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CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES
OBSERVATORIES BRANCH

PUBLICATIONS

OF THE

Dominion Observatory

OTTAWA

Volume XXIX

THE QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1966

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CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
Dominion Observatories

PUBLICATIONS
of the
DOMINION OBSERVATORY
OTTAWA

Volume XXIX • No. 1

RECORD OF OBSERVATIONS AT
MEANOOK MAGNETIC OBSERVATORY
1961 AND 1962

Anne B. Cook

Price: 50 cents

ROGER DUHAMEL, F.R.S.C.
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1964

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MEANOOK MAGNETIC OBSERVATORY

Geographic Latitude 54° 37'N

Geographic Longitude 113° 20'W

Officer-in-Charge: Anne B. Cook

Geomagnetic Latitude 61.8°N

Geomagnetic Longitude 301.0°E

Assistants: A. E. Evans
G. A. Brown

Introduction

No change was made in the Observatory program over the past four years.

Magnetic Equipment

The photographic recording equipment at Meanook consisted of two sets, standard and low sensitivity of la Cour variometers which have been in operation since the Second Polar Year, 1932-33. Telluric current recorders were in operation at the station throughout 1961-62. This report deals with the standard magnetic observations only.

Scale Coefficients

Standard	H	7.84 γ /mm	Temp	1 γ /degree	C
	D	0.98'/mm			
	Z	10.83 γ /mm			
Low	H	22.56 γ /mm			
	D	2.40'/mm			
	Z	29.98 γ /mm			

Absolute Instruments

The absolute instruments used at Meanook during 1961-62 were, Cooke magnetometer No. 15 for declination and horizontal intensity with IMS corrections of $-0.3'$ for declination and $-0.00160H$ for horizontal intensity; quartz horizontal magnetometer No. 259 for horizontal intensity with IMS correction $+0.00013H$; Ruska earth inductor No. 6540; Dominion Observatory proton precession magnetometer with constant 4257.60 cps per oersted; and a five-component electrical magnetometer as a stand-by instrument.

Absolute Observations of Base-line Values

Absolute observations were made on the average of once a week. Simultaneous marks were placed on the la Cour records, and the base-line values were determined

by calculation from the observed values and the measurement of the record ordinates at these points. The r.m.s. values of the observed minus adopted values for D, H, and Z were:

	D	H	Z
1961	$\pm .5'$	$\pm 2\gamma$	$\pm 3\gamma$
1962	$\pm .4'$	$\pm 2\gamma$	$\pm 4\gamma$

The proton precession magnetometer and the formula $Z = F \sin I$ were used for obtaining the value of Z.

The Magnetic Reductions

The time used throughout 1961-1962 was Universal Time (U.T.). The hourly values of H, D, and Z were obtained from the magnetograms by means of a ruled transparent scale. Each value represents the mean reading for 60 minutes, centred on the half hour. The product of the ordinates and the scale value is added to the adopted base-line value and the sum obtained is the appropriate hourly value printed in the text. From the tabulated mean values for each calendar month the mean value for each hour of the day and the mean daily value for each day of the month are derived.

The mean diurnal inequalities of the elements H, D, and Z not corrected for non-cyclic changes for all days and international quiet and disturbed days are given for the same period in the tables.

Magnetic Activity and Disturbance Indices

Maximum hourly ranges in all elements as well as disturbance indices and copies of magnetograms were sent upon request to geophysical prospecting agencies operating in Canada. Three-hour range indices from which planetary K-indices were derived were sent to De Bilt, Netherlands and Göttingen, Germany, each month. Meanook K-indices are published in International Association of Geomagnetism and Aeronomy Bulletins edited by Bartels, Romana and Veldkamp.

PUBLICATIONS OF THE DOMINION OBSERVATORY

Mean Values for Months and Years—Meanook

Month	D	H	Z	X	Y	I	F
	East			North	East	North	
1961	° ' "	γ	γ	γ	γ	° ' "	γ
January	24 07.6	13008	58762	11872	5317	77 31.1	60184
February	07.4	002	761	867	314	31.4	182
March	07.1	012	756	876	317	30.8	179
April	06.1	021	749	886	317	30.2	175
May	05.7	029	744	894	319	29.7	172
June	05.6	036	738	900	322	29.2	168
July	06.2	017	748	882	316	30.4	173
August	05.4	027	741	892	317	29.8	168
September	05.6	030	740	895	319	29.6	179
October	06.1	023	753	888	318	30.1	179
November	04.8	032	747	898	317	29.5	175
December	05.0	032	741	898	318	29.5	169
Year	24 06.0	13024	58748	11887	5318	77 30.1	60175
1962							
January	24 04.3	13047	58738	11912	5322	77 28.6	60170
February	07.3	045	734	911	319	28.7	165
March	03.4	052	732	918	321	28.2	165
April	03.2	043	725	910	316	28.7	156
May	02.6	063	727	930	322	27.8	154
June	02.1	065	718	932	321	27.3	154
July	02.2	069	717	936	323	27.1	154
August	01.9	056	711	924	317	27.8	145
September	01.6	047	719	917	312	28.4	151
October	01.4	041	718	911	309	28.7	149
November	01.4	053	717	922	313	28.0	151
December	00.7	062	721	932	315	27.6	156
Year	24 02.4	13054	58723	11919	5318	77 28.1	60156

MEAN VALUES FOR THE YEARS 1956 TO 1962 INCLUSIVE ARE AS FOLLOWS:

Year	D	H	Z	X	Y	I	F
	East			North	East	North	
	° ' "	γ	γ	γ	γ	° ' "	γ
1956	24 22.5	12894	58735	11740	5321	77 37.1	60134
1957	23.1	921	801	768	335	36.4	204
1958	14.9	942	818	800	315	35.6	225
1959	13.0	960	787	827	316	34.1	198
1960	09.7	985	774	845	316	32.5	177
1961	06.0	13024	748	887	318	30.1	175
1962	02.4	054	723	919	318	28.1	156

HORIZONTAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook

H = 12,000 γ +

January 1961

Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	1022	1038	1030	1029	1019	1013	1023	1015	1015	1008	1000	1021	1030	1030	1030	1023	1022	1019	1019	1019	1019	1019	1022	1022	1022
2 Q	1022	1022	1025	1026	1026	1025	1023	1019	1015	1019	982	1015	1038	1031	1030	1030	1026	1022	1023	1022	1022	1015	1015	1016	1021
3	1022	1022	1019	1022	1022	1022	1017	1015	1013	1030	1030	1031	1031	1031	1030	1030	1022	1015	1020	1015	1013	1018	1022	1022	1022
4 Q	1027	1030	1030	1030	1026	1022	1022	1023	1026	1023	1022	1018	1022	1030	1034	1038	1030	1026	1022	1023	1023	1024	1030	1023	1026
5 Q	1030	1034	1034	1034	1034	1034	1034	1032	1025	1027	1032	1030	1030	1033	1037	1039	1035	1023	1017	1016	1008	1014	1023	1024	1028
6	1022	1023	1023	1012	1017	1019	1014	1008	995	1000	960	884	1037	1038	1037	1033	1026	1021	1019	1021	1024	1026	1028	1036	1013
7	1041	1041	1039	1044	1045	1036	1025	1023	1022	1022	1021	1026	1020	1008	1026	1044	1039	1029	1017	1016	1019	1032	1034	1033	1029
8 D	1012	1039	1137	1157	1105	1075	1072	1037	760	851	965	979	1004	1014	1029	1038	1036	964	953	998	1009	1014	1021	1006	1011
9 D	1011	1014	1029	1044	1043	1031	975	736	550	669	557	615	707	796	936	919	913	926	936	952	996	996	1061	1084	896
10	1031	1024	1021	1016	1014	1014	1014	1007	1003	925	974	1021	999	1006	1030	1037	1021	1021	1014	1014	1014	1014	1016	1020	1011
11 Q	1021	1022	1024	1022	1021	1014	1018	1020	1015	1015	1016	1018	1021	1025	1028	1025	1021	1014	1013	1014	1014	1020	1022	1029	1020
12	1029	1033	1029	1025	1029	1029	1026	1021	1029	1029	1029	1026	1022	1036	1032	1029	1020	1016	1013	1014	1016	1014	1025	1028	1025
13	1030	1036	1036	1040	1041	1039	1036	1032	1007	981	1028	959	924	1014	1043	1029	1028	1022	1022	1023	1016	1036	1037	1037	1021
14	1039	1036	1036	1030	1030	1030	1030	1029	1025	1022	1029	1029	1030	1029	1027	1025	1017	1018	1018	1022	1022	1025	1036	1028	1028
15	1044	1042	1053	1039	1047	1045	1061	1014	1045	1044	1026	1020	997	1021	1036	1036	1026	1021	1021	1017	1026	1022	1004	1033	1031
16	1031	1035	1031	1022	1022	1048	1009	1039	849	981	1013	1030	1030	1027	1027	1027	1026	1021	1018	1022	1037	1032	1028	1030	1018
17	1030	1023	1014	1022	1025	1015	1006	993	1022	1016	968	951	1015	993	1022	1038	1034	1025	1022	1022	1029	1030	1037	1031	1016
18	1029	1031	1041	1039	1037	1036	1030	1035	1015	928	1015	1023	794	780	976	1046	1039	1019	1008	1006	1000	1018	1028	1023	1000
19 D	1030	1040	1030	1023	1031	1030	1023	1022	1018	1020	1024	1031	1033	1025	1002	926	856	890	960	954	1004	1094	1165	1111	1014
20 D	1196	1149	1220	1054	1050	1042	863	590	648	653	511	727	859	732	781	757	834	994	1043	1043	1028	1034	1032	1032	911
21	1030	1029	1028	1026	1018	1034	1012	1015	935	895	786	616	839	1067	1044	954	939	1004	1012	1009	1017	1020	1027	1028	974
22 D	1029	1026	1024	1024	1026	1024	1010	895	1000	994	918	586	946	1056	1040	1030	1004	1037	1013	1014	1019	1030	1034	1031	992
23	1026	1022	1037	1032	1027	1026	1028	1024	1001	1004	1012	1015	1023	1025	1031	1035	1029	1018	1014	1008	1012	1026	1036	1038	1023
24	1030	1027	1032	1030	1030	1020	976	867	1041	1031	1008	885	905	911	1019	1018	1019	1008	985	998	1004	1019	1030	1032	997
25	1008	1022	1039	1039	1037	1046	1032	1022	1007	978	832	820	884	855	1019	1048	1030	1021	1015	1016	1015	1022	1030	1030	994
26	1030	1030	1032	1031	1025	1016	1022	1023	1022	1010	986	999	875	884	1006	1031	1025	1019	996	994	1006	1012	1022	1030	1005
27	1022	1020	1030	1027	1023	1028	1020	998	990	1000	1004	1017	1023	1006	1019	1031	1037	1029	1016	1015	1015	1020	1025	1030	1019
28	1019	1014	1029	1026	1030	1027	1022	1022	1015	1006	1015	997	1005	983	1022	1038	1030	1018	997	1001	1004	1011	1022	1020	1016
29	1022	1024	1019	1026	1038	1026	1022	1022	1015	1019	1007	994	1022	1022	1035	1033	1023	1014	990	992	1000	1005	1014	1021	1017
30	1022	1028	1028	1022	1022	1032	1028	1023	1026	1027	1030	1031	1037	1038	1038	1038	1035	1030	1021	1014	1008	1014	1019	1026	1027
31 Q	1034	1034	1030	1030	1031	1031	1028	1023	1025	1027	1030	1031	1037	1037	1037	1037	1032	1023	1019	1015	1015	1017	1023	1030	1028
Mean	1032	1033	1040	1034	1032	1030	1017	989	973	976	962	950	976	986	1016	1015	1009	1010	1008	1010	1015	1022	1031	1032	1008

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook

D = 24° E + ...'

January 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	6.9	12.6	9.8	7.9	8.1	11.8	12.2	7.2	7.7	9.0	9.7	11.5	10.2	9.6	9.7	9.8	10.2	9.8	8.6	7.9	6.8	7.2	7.7	7.3	9.1
2 Q	7.7	7.7	7.8	7.8	7.7	7.0	6.4	6.4	6.8	9.8	4.7	11.3	12.5	10.0	8.8	9.8	9.1	8.5	6.9	6.7	5.9	6.3	7.6	7.8	8.0
3	7.1	6.8	6.9	7.3	9.9	7.4	7.0	7.0	7.1	8.8	8.4	7.4	7.1	7.2	7.4	8.9	9.8	7.4	6.5	5.4	5.3	5.7	6.0	6.3	7.2
4 Q	6.9	7.1	7.4	7.7	7.5	7.8	4.6	5.8	6.0	6.8	7.2	8.9	9.1	10.0	10.0	10.9	10.8	9.2	8.0	6.5	6.3	6.1	6.9	7.8	
5 Q	7.0	7.0	7.4	7.9	7.4	6.9	6.3	6.3	6.8	11.3	8.0	7.0	7.4	9.7	9.2	9.9	9.8	10.5	8.1	5.2	2.3	3.5	6.0	7.5	
6	7.3	8.1	8.2	8.7	6.7	6.9	3.8	7.2	7.1	12.3	10.0	8.1	16.7	12.6	12.4	11.8	11.7	10.2	7.6	4.6	3.2	4.1	5.6	5.7	8.4
7	4.6	5.3	5.5	3.3	9.2	8.2	7.5	7.3	6.2	7.1	7.8	7.5	7.8	10.8	10.9	12.6	9.3	10.0	9.1	7.4	5.9	4.0	4.4	3.9	7.3
8 D	1.5	5.3	-1.6	3.9	13.0	10.4	6.4	8.4	-17.5	14.1	19.1	19.5	16.6	19.5	15.8	12.4	7.7	3.9	-1.5	-3.3	4.8	6.1	7.1	8.1	7.5
9 D	8.0	8.9	9.3	25.8	17.7	10.0	12.5	7.6	28.5	19.9	7.5	19.9	28.8	15.1	14.6	1.3	-1.8	-4.5	-8.5	-7.4	0.2	2.1	-2.3	3.3	9.2
10	8.1	8.9	10.2	10.0	8.1	7.6	7.9	8.0	13.9	10.5	16.1	11.2	9.2	12.1	16.0	12.9	10.1	10.4	9.3	7.3	6.1	6.1	6.4	7.2	9.7
11 Q	7.2	7.3	8.0	8.1	7.5	9.3	7.9	7.0	8.0	7.6	7.5	7.2	7.2	7.5	9.2	10.1	10.4	9.8	8.6	7.3	6.2	5.9	6.1	6.4	7.8
12	6.9	7.3	8.1	8.1	7.2	6.8	6.7	6.7	10.5	6.3	7.2	8.0	7.3	8.2	9.5	10.9	11.0	9.3	5.9	4.2	3.6	3.1	2.9	4.2	7.1
13	5.7	5.8	7.3	8.2	8.1	7.7	7.9	7.8	6.4	16.9	17.1	18.5	26.0	21.9	17.2	16.2	10.9	8.9	7.7	4.3	1.0	0.5	2.5	4.4	10.0
14	3.7	4.2	5.9	8.2	9.2	9.0	7.7	7.3	5.5	6.4	7.3	8.1	8.0	8.0	8.6	9.8	11.2	10.1	7.0	5.4	2.5	2.9	1.9	0.5	6.6
15	1.8	1.3	7.3	6.6	6.8	7.7	5.7	5.3	9.3	8.2	10.2	11.3	10.0	8.0	9.1	10.7	9.6	8.4	7.5	5.7	4.3	4.2	0.4	1.0	6.7
16	3.2	5.3	6.7	8.8	8.0	13.0	14.1	2.4	-2.6	7.3	7.2	10.3	8.6	9.0	9.1	9.0	9.0	8.1	5.9	5.1	4.7	3.9	6.7	7.4	7.1
17	8.2	8.7	10.7	10.1	7.3	7.8	8.1	10.1	10.1	8.1	2.4	2.9	8.5	5.1	7.4	10.3	10.7	8.4	6.6	5.3	4.3	4.9	5.3	3.7	7.4
18	6.8	7.3	7.7	8.3	8.2	7.6	7.2	7.3	9.3	22.1	13.5	12.3	13.3	6.2	17.9	15.1	13.3	9.1	8.2	5.3	0.4	2.5	5.9	7.3	9.2
19 D	7.3	7.0	6.3	9.3	9.3	8.2	7.3	6.4	6.3	6.3	6.4	5.9	6.5	8.5	8.7	4.1	-16.9	-9.5	-10.1	2.9	2.6	2.9	-2.1	6.6	3.8
20 D	11.4	7.0	7.5	13.8	17.9	14.1	-7.0	-20.8	0.1	6.6	37.1	8.8	10.9	-24.3	-18.9	-18.5	-11.4	-4.6	8.3	6.4	2.5	2.7	6.8	8.7	2.8
21	8.3	7.9	8.3	9.5	30.1	11.9	10.1	10.6	5.6	18.2	15.8	4.1	17.9	11.8	15.1	7.7	-6.5	-3.1	2.2	2.6	2.7	4.9	6.5	7.6	8.7
22 D	7.8	8.2	8.4	8.7	8.2	7.5	10.0	-9.6	14.4	5.8	7.9	2.8	13.3	15.3	14.1	12.8	6.8	9.4	5.0	5.0	4.1	3.4	3.6	6.1	7.5
23	6.2	7.9	11.0	15.1	12.2	9.9	10.0	8.9	2.8	8.1	8.0	8.2	7.4	7.2	8.2	11.1	13.3	11.2	9.2	6.2	4.2	3.6	4.4	5.2	8.4
24	5.2	4.8	7.1	9.0	17.9	10.2	25.9	0.3	10.2	7.3	10.9	2.4	-2.5	6.6	8.2	10.6	8.1	5.2	9.2	2.3	3.0	3.0	4.6	3.6	7.2
25	5.8	6.2	8.3	8.3	21.9	10.7	8.9	8.3	6.0	4.3	9.2	7.3	13.1	5.2	11.0	14.7	12.1	10.1	11.5	8.6	6.6	6.3	6.2	6.7	9.1
26	6.3	7.1	7.6	8.1	9.7	7.7	14.6	8.8	10.1	7.6	0.8	12.8	7.2	4.8	7.9	10.6	7.1	8.1	4.2	2.4	1.1	2.4	3.2	3.7	6.8
27	6.0	7.1	8.5	7.1	7.2	7.4	8.6	5.6	-2.6	11.2	6.4	10.1	8.6	7.2	4.4	10.4	10.5	10.5	8.3	7.8	6.3	6.0	6.1	6.2	7.3
28	5.6	7.3	7.1	7.3	8.0	8.1	7.8	11.6	10.7	10.5	9.1	11.7	11.4	10.0	4.7	9.4	9.0	6.3	4.7	4.8	1.3	1.5	5.2	6.0	7.5
29	6.4	4.4	8.1	11.9	11.0	9.9	7.4	9.3	7.6	8.3	10.1	6.2	12.2	12.1	9.0	9.1	10.2	10.0	7.2	4.1	4.2	5.1	7.1	6.2	8.2
30	6.8	7.5	7.6	8.2	14.8	7.2	7.2	7.6	8.0	8.2	7.9	7.8	8.0	7.3	8.3	9.4	11.1	11.5	11.2	10.1	7.9	5.2	4.1	4.3	8.2
31 Q	5.9	6.1	8.4	7.4	5.8	6.0	6.1	7.0	7.6	8.7	8.8	7.2	7.2	7.7	8.6	9.7	11.7	11.1	9.5	7.6	6.6	5.3	5.2	5.5	7.5
Mean	6.4	6.9	7.6	9.1	10.7	8.8	8.3	5.8	7.0	9.8	10.0	9.2	10.8	8.7	9.4	9.4	7.7	7.2	6.3	5.1	4.2	4.2	4.8	5.7	7.6

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 3 Meanook

$z = 58,000 \gamma +$

January 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	809	826	807	801	793	792	797	785	775	775	752	743	772	777	777	778	779	781	779	779	779	779	779	779	783	
2 Q	777	777	777	777	777	777	777	776	778	777	767	726	726	759	770	776	776	770	770	774	774	777	777	777	777	770
3	777	777	777	777	778	778	778	778	725	731	772	772	772	770	770	776	776	770	769	771	771	776	776	776	776	770
4 Q	776	777	777	777	777	778	776	775	778	777	771	767	764	765	768	768	768	768	770	772	772	772	772	772	772	772
5 Q	770	770	770	769	767	767	767	767	767	765	756	767	759	748	752	759	766	767	768	772	772	771	774	774	776	767
6	776	776	777	779	776	776	781	779	749	755	724	648	765	778	772	771	772	772	770	770	770	771	772	775	765	
7	775	777	797	814	800	797	792	781	776	771	767	764	745	712	718	730	748	764	770	771	775	778	772	770	769	
8 D	796	830	908	949	875	832	824	808	794	741	755	732	722	722	729	737	755	746	755	776	789	789	791	780	789	
9 D	786	797	815	833	810	779	723	714	719	724	739	630	730	550	552	594	624	659	706	733	790	801	842	821	728	
10	788	769	767	766	767	771	777	769	753	652	704	745	741	732	757	759	766	769	775	777	777	777	778	778	759	
11 Q	778	778	778	778	778	782	779	776	767	767	768	767	768	769	772	772	770	774	777	778	778	778	778	776	774	
12	775	775	775	775	774	771	771	769	757	769	769	767	758	759	766	767	767	769	768	768	768	768	771	775	769	
13	777	777	777	778	778	784	785	782	736	691	768	733	604	731	779	767	764	768	770	770	769	769	776	776	759	
14	777	781	790	785	781	777	772	769	769	769	769	768	768	769	769	768	768	769	768	767	767	768	769	779	772	
15	792	804	811	803	791	795	769	715	767	780	766	746	703	726	753	764	763	779	778	776	778	779	832	856	776	
16	789	775	775	789	810	802	767	759	681	746	764	764	776	773	773	773	771	770	771	771	770	768	768	768	770	
17	769	769	779	779	769	768	766	706	763	759	706	693	736	736	743	758	762	762	766	766	768	769	770	768	755	
18	768	768	769	769	769	768	766	758	746	618	749	754	597	585	661	770	767	759	767	780	772	777	779	778	741	
19 D	769	778	808	782	779	768	767	767	763	757	759	763	768	757	747	701	670	710	743	808	847	868	887	883	777	
20 D	876	870	804	814	838	812	776	612	556	688	821	701	687	666	505	546	595	739	786	793	776	781	780	781	729	
21	781	780	784	795	805	802	779	634	605	562	557	517	627	809	789	711	703	739	756	764	770	778	780	779	725	
22 D	779	782	777	775	775	775	779	535	717	732	721	558	632	793	786	772	770	784	771	780	786	782	789	781	747	
23	781	787	795	807	791	780	777	767	715	726	746	755	760	765	768	772	773	773	769	768	767	770	777	773	769	
24	772	778	779	790	791	798	724	527	769	769	745	672	668	680	736	727	736	744	783	787	773	776	779	789	746	
25	791	801	792	793	817	802	778	771	732	690	649	614	624	704	736	767	768	770	778	778	777	779	780	777	753	
26	777	776	777	779	779	780	768	757	756	756	686	698	642	661	692	746	751	770	772	778	780	782	781	786	751	
27	782	790	789	770	770	778	776	726	671	711	723	750	757	736	756	757	762	767	769	769	769	771	769	771	758	
28	777	777	783	778	777	777	779	775	758	752	743	703	731	713	740	747	770	773	778	801	790	791	790	790	766	
29	780	799	787	802	779	777	778	769	758	763	739	704	715	734	769	775	767	769	768	768	771	776	780	779	767	
30	771	771	775	783	791	781	769	768	750	755	767	758	760	762	767	767	767	768	768	768	768	770	770	768	768	
31 Q	768	768	777	778	773	768	769	769	766	757	759	756	756	757	763	767	767	766	767	767	767	768	770	769	766	
Mean	783	786	789	792	788	784	774	738	739	736	740	717	721	733	740	747	750	761	768	774	777	779	784	784	762	

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 4 Meanook

H = 12,000 γ +

February 1961

Day	Hour U. T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
		to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	Q	1037	1037	1039	1037	1039	1031	1030	1030	1027	1030	1031	1031	1032	1032	1036	1038	1038	1031	1034	1035	1026	1022	1030	1037	1033	
2	Q	1037	1037	1037	1037	1034	1034	1030	1031	1032	1031	1034	1037	1039	1039	1043	1039	1034	1026	1018	1015	1016	1023	1027	1029	1032	
3		1036	1040	1038	1042	1040	1040	1038	1034	1025	961	935	1029	1009	896	874	1052	1048	1037	1038	1028	1031	1034	1045	1047	1017	
4	D	1041	1038	1043	1045	1037	1043	1048	1052	1025	1029	1021	1009	954	1016	748	965	993	931	848	862	969	1146	1134	1320	1013	
5		1076	1031	1013	1093	1060	1045	1038	869	704	594	583	807	1000	1050	1009	1017	999	994	993	992	994	1005	1005	1013	958	
6		1011	1023	1024	1020	1020	1023	1016	980	593	871	986	1015	1027	1023	977	879	1000	1031	1009	1001	1000	999	992	1000	980	
7		1023	1029	1023	1024	1041	1054	1040	1030	1020	1001	951	993	992	1007	1023	1025	1024	1017	1016	1009	1001	1005	1022	1035	1017	
8		1049	1048	1015	1015	1016	1016	1017	1016	1017	1013	1022	1016	1014	1001	1009	1015	1040	1031	1015	995	1014	1008	1009	1023	1018	
9		1024	1027	1025	1038	1039	1039	1032	1026	1023	1023	1009	1008	1015	1020	1022	1008	1023	1030	1022	1017	1013	1014	1016	1016	1022	
10		1023	1030	1031	1032	1038	1035	1032	1024	1011	1033	1032	1031	1031	1031	1028	1025	1030	1029	1023	1025	1025	1025	1026	1031	1028	
11		1035	1044	1038	1034	1041	1040	1033	1027	1027	1024	938	895	1003	1040	1045	1038	1031	1023	1020	1022	1020	1018	1022	1027	1020	
12	Q	1029	1031	1027	1026	1024	1026	1030	1031	1031	1032	1033	1033	1033	1035	1037	1037	1031	1031	1031	1031	1024	1023	1018	1022	1029	
13		1026	1031	1035	1038	1032	1028	1027	1024	923	359	569	522	698	715	795	842	891	969	1036	1028	1023	1023	1023	1032	904	
14		1028	1027	1029	1029	1027	1028	1026	1030	1028	1030	1024	1028	1031	1032	1027	1027	1030	1024	1022	1027	1015	1020	1023	1014	1026	
15		1016	1031	1032	1024	1023	1017	1028	1024	1020	999	992	873	991	1036	1028	1030	1032	1018	1009	1009	1009	1016	1023	1027	1013	
16	D	1032	1016	1016	1031	1032	1029	1019	892	894	747	268	739	750	663	882	1033	1007	1008	1009	1009	991	1009	1018	1032	922	
17	D	1024	1024	1027	1025	1023	1020	1026	1024	1018	935	873	540	823	1035	1049	1031	1018	1005	1010	994	1015	1026	1053	1205	993	
18	D	1290	1182	1294	1123	1105	856	859	940	651	704	406	637	704	673	1017	1036	1031	979	1010	1009	1009	1012	1013	1022	941	
19		1014	1023	1035	1029	1034	1032	1020	977	838	966	963	916	666	1002	1044	1018	1014	1009	992	1001	1015	1020	1031	1035	987	
20	D	1027	1028	1038	1057	1100	1040	1036	999	904	775	796	783	674	883	1035	937	1016	1013	1011	987	1005	1008	1016	1032	967	
21		1032	1033	1025	1024	1031	1027	1027	905	955	967	939	903	892	921	1011	1020	993	998	1003	993	977	993	1001	1016	987	
22		1031	1030	1031	1015	1033	1031	1023	991	1009	976	893	915	974	1008	1016	975	1005	1014	1020	1013	1023	1015	1025	1018	1003	
23		1023	1025	1031	1034	1032	1023	1026	1026	1017	1018	1023	1023	1008	1024	1038	1033	1031	1022	1012	1008	1001	1016	1023	1026	1023	
24		1026	1026	1031	1034	1041	1027	1035	998	1021	1016	1023	1030	1028	1028	1030	1030	1024	1015	1006	1008	1011	1014	1016	1023	1023	
25	Q	1024	1030	1030	1030	1030	1026	1030	1031	1024	1028	1031	1032	1035	1035	1035	1033	1030	1022	1011	1007	1008	1016	1020	1027	1026	
26	Q	1030	1031	1028	1027	1030	1032	1031	1031	1031	1036	1035	1037	1038	1039	1038	1035	1031	1028	1021	1020	1021	1024	1023	1025	1030	
27		1031	1038	1036	1031	1031	1040	1039	1039	1040	1038	1031	1032	1015	1041	1041	1041	1039	1023	1012	1016	1028	1036	1038	1039	1033	
28		1040	1031	1032	1060	1083	1047	1043	1047	1050	1009	1012	938	907	1009	1043	1040	1031	1009	1002	992	994	1009	1010	1027	1019	
29																											
30																											
31																											
Mean		1040	1036	1040	1038	1040	1026	1024	1005	963	937	909	923	942	976	999	1011	1016	1013	1009	1005	1010	1021	1025	1043	1002	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 5 Meantook

D = 24° E + ...'

February 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	6.1	6.2	6.3	6.4	6.4	6.6	7.2	7.3	7.4	9.1	8.3	8.1	7.6	6.9	7.2	9.2	10.1	9.0	6.2	6.1	4.3	4.3	5.2	6.0	7.0	
2 Q	6.4	7.3	7.6	7.9	7.5	7.2	7.5	7.0	6.8	7.0	7.3	7.3	7.3	7.3	7.3	9.1	10.1	11.0	10.5	8.2	5.8	5.0	5.8	5.9	7.5	
3	6.2	6.5	7.3	7.0	6.9	6.3	6.5	8.1	6.7	10.7	17.4	21.0	23.2	18.9	10.0	11.9	14.1	9.6	9.0	6.0	4.2	3.1	2.7	3.5	9.4	
4 D	5.2	6.1	7.2	6.2	6.2	4.8	10.6	5.5	2.2	10.1	11.4	11.5	13.2	16.4	10.3	17.4	7.5	13.9	14.2	17.9	15.6	11.7	7.6	4.6	9.9	
5	-2.6	5.9	11.7	8.3	14.6	19.3	8.8	-2.5	17.5	18.0	6.7	19.9	13.5	8.2	6.5	10.4	11.2	12.3	9.3	7.5	4.9	4.2	5.4	6.8	9.4	
6	7.5	6.4	7.0	7.3	8.0	7.7	6.1	7.2	5.5	7.0	10.2	15.5	10.4	10.3	9.2	0.3	8.5	10.9	8.5	6.2	5.1	2.3	0.6	5.2	7.2	
7	4.9	2.3	3.2	6.5	6.6	11.5	8.4	8.2	8.2	8.8	9.0	18.2	19.2	13.9	11.4	10.2	14.0	11.8	10.0	9.1	7.1	2.7	0.5	0.3	8.6	
8	3.0	-0.7	3.2	7.9	7.9	7.9	8.0	7.5	7.9	8.0	9.1	9.0	9.1	6.3	9.6	8.7	12.5	12.8	11.1	8.9	5.1	3.7	2.3	2.1	7.1	
9	2.9	3.3	4.3	3.6	6.5	6.8	4.9	5.8	6.3	7.2	6.5	7.0	7.2	8.2	9.8	7.5	9.7	9.1	7.1	6.1	5.3	4.1	4.0	3.6	6.1	
10	3.7	3.9	3.9	5.9	6.2	6.5	7.1	5.3	9.3	11.8	8.2	7.3	7.1	7.1	8.1	8.9	9.3	10.9	9.3	6.8	3.5	2.1	2.6	1.7	6.5	
11	2.2	0.2	1.3	6.3	8.0	8.0	7.4	6.8	6.1	6.8	2.7	15.2	17.8	10.1	7.5	9.2	10.6	9.0	7.7	6.6	5.3	4.1	5.3	6.2	7.1	
12 Q	6.5	6.9	7.0	7.0	7.0	7.7	7.0	6.8	6.8	6.9	7.1	7.3	7.2	6.6	6.8	7.9	7.4	6.5	7.9	7.8	7.3	6.9	6.5	6.3	7.0	
13	5.9	5.9	6.0	6.9	7.0	6.1	6.7	7.8	7.9	-9.0	-9.9	44.4	37.3	8.0	19.9	12.1	-0.7	-4.8	-0.1	2.2	6.0	6.1	6.8	6.7	7.7	
14	6.4	6.3	6.0	6.0	6.5	6.3	6.1	6.1	7.0	6.8	7.0	7.1	8.3	8.4	9.1	9.6	10.7	10.9	7.9	7.1	5.2	3.5	5.3	7.0	7.1	
15	7.0	7.4	8.1	7.6	7.1	7.1	12.0	4.1	5.6	4.7	8.9	8.6	4.0	9.9	9.0	7.5	7.9	7.6	6.9	6.1	4.0	4.2	5.7	6.6	7.0	
16 D	8.0	13.5	7.0	6.9	6.2	8.9	6.6	18.8	6.2	10.4	7.5	25.8	21.0	-4.4	-1.0	14.8	10.6	7.1	5.4	4.9	3.1	4.3	4.9	6.5	8.4	
17 D	7.2	7.5	7.8	7.8	7.6	7.5	7.6	6.3	6.2	5.3	7.0	22.0	16.1	20.2	13.5	10.7	6.8	4.1	-2.0	0.8	0.1	0.4	0.8	1.8	7.2	
18 D	10.5	17.7	14.6	10.8	17.4	13.9	21.7	8.8	6.2	-10.3	0.5	-3.8	25.6	7.1	6.2	8.5	11.9	8.8	9.6	3.8	4.7	6.3	6.6	6.6	8.9	
19	5.1	6.3	7.3	7.3	7.8	8.1	19.2	17.5	1.1	-2.6	3.9	4.7	1.6	9.1	10.2	9.8	11.4	10.6	4.2	4.4	3.0	2.3	3.3	4.3	6.7	
20 D	4.7	3.9	11.0	12.3	12.9	11.1	10.7	5.7	3.9	-16.9	11.6	11.6	13.7	6.3	6.7	2.0	10.2	7.9	5.9	3.9	3.8	3.9	3.9	6.1	6.5	
21	6.7	7.3	8.5	19.0	14.7	10.0	8.8	-2.7	-1.1	7.3	-0.9	3.1	9.6	4.5	7.3	7.8	8.5	8.6	5.7	6.0	0.4	1.0	2.3	5.1	6.2	
22	7.0	6.8	6.9	19.6	10.1	7.6	10.7	-3.2	8.8	6.9	2.0	3.6	5.9	10.4	7.0	5.9	5.9	5.8	6.0	5.7	4.4	3.9	4.1	8.9	6.7	
23	6.0	5.3	5.9	6.9	7.1	10.7	28.5	9.4	8.8	4.0	4.7	5.9	4.7	4.9	6.1	8.8	10.9	10.8	7.6	5.1	3.7	3.0	2.0	3.9	7.3	
24	4.7	5.7	6.7	6.9	7.7	29.4	12.4	7.4	4.9	5.9	6.0	7.3	7.3	7.0	7.8	9.7	10.6	9.9	7.8	5.8	5.4	5.9	5.9	6.0	8.1	
25 Q	5.8	5.8	6.6	6.6	6.4	6.4	6.3	6.5	8.1	6.8	7.0	6.7	7.8	8.4	8.8	9.4	10.1	9.8	7.9	5.9	3.9	2.8	2.9	2.9	6.6	
26 Q	3.0	3.8	5.3	7.1	6.4	6.5	6.3	6.9	7.8	7.3	6.9	7.0	7.6	7.9	8.8	9.8	9.6	8.8	7.7	4.9	3.9	3.8	4.1	4.9	6.5	
27	4.3	4.9	4.9	5.0	7.9	5.3	7.3	6.6	5.8	5.7	8.0	9.1	6.1	6.3	9.8	11.9	11.9	10.7	8.0	5.9	2.9	2.8	3.0	2.3	6.5	
28	2.0	1.9	1.9	-0.1	3.0	4.3	7.7	2.9	9.6	9.7	11.9	6.9	3.9	12.3	10.5	14.6	14.2	13.2	5.1	4.7	-0.9	-2.0	-1.5	0.3	5.7	
29																										
30																										
31																										
Mean	5.2	5.9	6.6	7.7	8.1	8.9	9.6	6.5	6.7	5.5	6.6	11.3	11.6	8.8	8.7	9.4	9.8	9.2	7.3	6.2	4.5	3.8	3.9	4.7	7.4	

MEANTOOK MAGNETIC OBSERVATORY, 1961-1962

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook

$Z = 58,000 \gamma +$

February 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	769	769	769	769	770	773	771	769	769	768	767	767	758	758	760	766	766	766	766	762	762	759	764	767	767	766
2 Q	767	767	767	767	767	767	767	767	767	767	767	767	766	764	764	764	767	768	768	769	769	769	768	768	768	767
3	768	766	766	766	765	765	767	770	771	730	642	760	733	664	622	738	756	757	764	763	768	766	768	767	746	
4 D	766	766	766	770	776	787	786	792	791	793	778	756	670	716	570	619	652	694	720	805	847	877	810	778	754	
5	843	860	836	776	727	766	791	706	707	913	807	798	769	793	782	793	793	791	785	785	785	784	784	786	790	
6	783	784	781	780	780	779	772	768	868	884	768	774	778	771	747	692	760	764	765	770	779	782	780	783	779	
7	797	797	800	803	807	833	813	790	783	780	735	737	750	768	777	774	770	769	770	771	774	774	791	816	782	
8	804	811	811	784	780	774	778	772	756	738	764	768	761	746	751	739	765	770	769	776	778	779	780	784	772	
9	781	781	798	795	791	799	803	779	771	768	750	742	745	755	767	759	759	769	770	770	770	773	777	777	773	
10	776	777	780	780	780	779	777	769	759	767	773	771	770	770	769	769	767	759	759	761	763	763	769	770	770	
11	770	780	797	795	781	773	773	767	764	757	667	585	671	727	756	768	768	767	770	770	772	772	770	768	754	
12 Q	768	769	769	769	769	771	771	771	770	768	765	765	761	761	761	767	767	767	768	768	769	770	770	769	768	
13	768	768	768	769	769	770	767	758	673	641	711	700	878	733	660	743	770	748	771	779	781	783	784	783	753	
14	779	777	774	773	772	770	770	771	770	770	769	769	770	770	770	768	768	766	765	769	771	770	780	780	771	
15	879	776	777	769	769	769	770	760	753	720	705	640	714	756	757	761	768	766	768	770	770	770	771	771	755	
16 D	773	780	781	778	771	767	747	587	464	673	780	756	813	681	645	734	746	781	777	777	779	780	681	784	739	
17 D	777	777	776	772	770	772	771	773	757	650	608	556	756	735	726	748	750	745	756	766	794	817	858	885	754	
18 D	748	456	800	862	772	707	606	705	583	479	652	585	573	664	782	771	776	790	806	792	787	786	785	787	711	
19	787	782	787	788	787	785	793	721	622	652	650	655	517	711	766	756	772	767	770	778	779	779	780	784	740	
20 D	781	802	815	844	834	802	727	717	582	511	530	659	682	702	779	694	780	774	787	790	800	802	803	804	742	
21	793	803	799	801	791	791	770	620	665	680	691	669	614	716	772	772	748	787	792	812	801	804	805	793	754	
22	799	782	792	796	786	780	765	649	730	735	709	705	728	739	770	754	772	786	783	783	785	785	792	803	763	
23	792	781	771	775	781	788	742	765	765	765	770	767	757	759	774	769	779	772	770	770	777	782	781	781	772	
24	781	779	779	780	799	792	786	710	757	764	769	771	770	770	771	773	773	772	770	772	773	773	772	770	772	
25 Q	770	770	770	770	770	770	770	770	765	749	765	770	769	769	769	769	769	767	764	766	770	774	775	775	769	
26 Q	774	774	779	774	771	770	766	766	766	760	762	762	761	761	761	759	759	754	753	759	768	770	769	765	765	
27	765	765	767	773	793	803	792	760	765	765	759	758	745	748	756	759	760	758	760	769	770	770	768	766	766	
28	770	770	779	797	834	793	781	789	759	749	754	717	644	727	766	771	771	769	767	770	781	788	778	778	767	
29																										
30																										
31																										
Mean	780	770	784	785	781	778	768	744	730	732	727	723	729	741	745	754	763	766	769	775	779	782	783	784	761	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook

H = 12,000 γ +

March 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	1026	1031	1032	1037	1031	1034	1035	1038	1029	1031	1023	1016	937	1024	1047	1042	1030	1016	1008	1007	1009	1024	1035	1031	1024
2	1037	1036	1037	1045	1056	1057	1050	1045	1036	1031	1036	1038	1039	1040	1041	1038	1031	1023	1010	1005	1009	1015	1023	1022	1033
3 Q	1031	1031	1037	1037	1036	1035	1032	1038	1037	1031	1036	1035	1036	1038	1037	1037	1031	1023	1007	1005	1009	1018	1023	1031	1030
4 Q	1037	1039	1040	1041	1040	1037	1039	1041	1041	1041	1042	1044	1041	1038	1037	1038	1037	1016	1000	1000	1005	1013	1023	1031	1032
5	1031	1034	1036	1027	1030	1037	1037	1035	1035	1021	1023	1041	1041	1041	1044	1046	1034	1027	1023	1021	1003	1017	1109	1269	1044
6 D	1238	1292	1115	1276	1138	1063	894	875	657	634	749	837	577	704	1006	1054	1049	1030	1023	1014	1009	1014	1016	1023	970
7 Q	1023	1024	1026	1029	1031	1031	1030	1029	1029	1030	1031	1033	1032	1039	1036	1035	1031	1023	1016	1011	1009	1015	1015	1022	1026
8 Q	1020	1024	1028	1032	1039	1045	1045	1039	1025	1023	1020	1015	1024	1033	1032	1034	1023	1014	1006	1001	1008	1024	1015	1009	1024
9	1016	1031	1031	1027	1040	1053	1087	1066	1016	1005	1023	1035	1031	1038	1016	1007	1030	1014	1008	1001	1016	1030	1031	1047	1029
10 D	1041	1040	1058	1093	1125	1226	1121	1071	504	141	-231	297	688	943	1023	1016	985	995	1006	1018	1028	1031	1031	1031	887
11	1027	1023	1019	1016	1012	1013	1014	1016	1017	1009	1016	1018	1020	1012	998	1018	1009	1009	1001	994	998	1016	1019	1035	1014
12	1032	1010	1017	1023	1022	1017	1016	1020	1020	1017	992	1031	1031	1020	1028	1023	1014	1006	1007	1015	1016	1019	1034	1022	1019
13	1023	1012	1016	1024	1023	1024	1018	1008	1009	1027	1031	1023	1039	1041	1017	1001	1010	1013	1010	1009	1016	1020	1023	1031	1020
14 D	1040	1052	1099	1176	1075	1015	1039	952	741	703	655	843	947	976	1016	1009	1010	961	988	1005	1006	1024	1028	1029	975
15 D	1031	1031	1034	1038	1078	1051	1037	1038	1023	750	835	844	945	954	928	1016	1026	1016	1016	1024	1036	1023	1017	1056	994
16	1085	1094	1139	1045	1038	1054	991	937	983	1031	1039	993	911	1032	1049	1024	1022	1016	1016	1018	1020	1023	1029	1032	1026
17	1031	1035	1029	1029	1033	1034	1021	842	939	704	1023	1041	1031	1026	1028	1038	1020	1008	1009	1008	1014	1022	1028	1038	1001
18	1033	1039	1031	1034	1038	1039	1038	1039	1038	1035	1039	1035	1023	969	988	986	978	967	979	1013	1024	1034	1024	1025	1019
19 D	1037	1035	1038	1039	1048	947	944	933	644	684	857	981	841	775	1017	1045	990	929	1020	1017	1011	1030	1023	1034	955
20	1035	1035	1037	1043	1053	1046	1025	1026	964	825	877	900	906	951	947	1013	1031	1005	999	991	1007	1016	1024	1033	991
21	1044	1036	1032	1038	1031	1037	1039	1044	1035	1030	1038	1042	1038	1038	1031	1031	1022	1009	1007	998	1000	1015	1023	1023	1028
22	1031	1040	1023	1039	1037	1053	1033	867	874	1026	1035	973	977	1009	1041	1039	1030	1019	1012	1014	1016	1017	1019	1025	1010
23	1031	1036	1038	1039	1035	1047	1040	1019	993	1023	1006	1031	1000	983	922	1024	1040	1018	1016	1016	1016	1023	1031	1038	1019
24	1038	1036	1038	1041	1040	1041	1040	1045	1037	1041	993	969	1050	1047	1039	1036	1032	1018	1017	1016	1023	1023	1023	1027	1030
25 Q	1031	1031	1038	1038	1040	1039	1040	1040	1046	1046	1047	1045	1035	1032	1045	1043	1024	1015	1007	1008	1015	1023	1024	1023	1032
26	1032	1038	1042	1053	1046	1047	1062	1056	1031	913	1025	1049	1046	1050	1047	1045	1030	1016	1009	1008	1015	1031	1013	1014	1030
27	1038	1046	1046	1044	1047	1048	1063	1056	956	954	1024	1013	980	1016	1031	969	802	937	1025	1010	988	1027	1025	1031	1007
28	1028	1039	1093	1203	1123	1141	872	740	797	959	1015	1039	1023	1024	1037	1009	1020	1012	1012	1013	1007	1016	1024	1031	1011
29	1037	1035	1035	1032	1033	1038	1032	1039	1041	1035	1038	1041	1035	1043	1047	1045	1027	1012	1006	998	1006	1016	1023	1025	1030
30	1036	1035	1056	1127	1111	1068	1046	988	980	1049	1031	1037	1034	1038	1034	1025	1014	1008	1002	1002	1014	1016	1023	1031	1034
31	1034	1037	1041	1038	1039	1039	1040	1041	1045	1051	1053	1053	1053	1056	1055	1053	1045	1037	1021	1021	1022	1028	1034	1046	1041
Mean	1040	1044	1044	1058	1051	1047	1027	1001	956	932	949	980	981	1001	1022	1027	1015	1007	1009	1009	1012	1021	1027	1038	1012

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 8 Meanook

D = 24° E + ...'

March 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	3.6	5.3	6.6	6.0	7.0	8.5	5.9	4.4	5.7	6.8	6.8	10.4	1.6	7.8	11.4	12.4	12.9	13.0	10.5	5.1	1.8	0.3	0.0	0.5	6.4
2	-1.5	0.3	2.3	3.4	7.6	21.2	8.6	10.7	7.2	5.7	6.3	7.2	7.2	7.7	9.4	10.9	11.7	11.6	9.6	6.5	3.1	1.5	-0.1	-1.1	6.5
3 Q	0.3	2.5	4.1	5.8	6.4	5.7	6.5	8.2	7.2	5.3	6.2	6.7	7.6	8.9	9.9	11.1	12.3	12.0	8.8	6.5	3.7	3.2	3.8	4.1	6.5
4 Q	3.7	4.4	5.2	5.8	5.9	5.5	6.0	5.7	5.9	6.5	7.1	7.6	7.4	7.4	8.4	7.4	13.0	13.0	10.5	7.4	4.5	3.4	3.8	3.8	6.6
5	5.0	4.8	5.0	6.4	6.6	6.0	5.9	6.4	6.9	5.0	5.9	8.0	8.0	8.1	9.4	11.2	13.2	9.9	7.4	6.8	7.9	4.1	6.1	9.3	7.2
6 D	9.2	5.4	-0.6	-1.7	5.7	13.3	13.0	15.9	-3.0	18.8	16.3	19.2	20.1	3.4	12.4	12.6	13.3	11.4	7.0	5.8	4.8	4.2	4.8	4.0	9.0
7 Q	4.4	4.8	5.7	5.8	5.9	6.6	6.7	6.7	6.6	6.8	6.8	7.1	6.8	8.6	9.7	12.1	14.6	13.3	10.7	7.7	5.2	3.4	3.0	1.5	7.1
8 Q	1.4	1.5	3.8	4.3	4.3	5.1	5.7	6.7	10.3	8.2	7.2	5.9	5.9	7.5	10.6	13.1	13.1	11.1	9.7	5.8	2.9	2.1	1.9	2.2	6.3
9	2.8	1.0	2.4	3.8	3.9	3.3	3.7	11.1	9.2	6.0	6.2	6.8	7.7	8.8	14.3	12.7	11.7	10.6	8.6	6.7	1.0	-1.0	2.7	4.8	6.2
10 D	0.7	1.1	-0.2	-1.2	-4.9	1.8	5.0	4.3	8.7	35.1	62.5	21.5	31.3	10.8	9.3	9.1	1.0	4.0	5.6	4.2	5.4	6.5	6.4	6.8	9.8
11	6.7	6.9	6.6	6.2	8.3	6.7	6.7	10.5	9.2	9.1	7.6	8.8	7.9	8.9	9.1	12.0	10.8	9.5	7.6	4.5	-0.7	2.0	4.2	5.5	7.3
12	5.1	6.3	6.0	6.6	6.2	5.9	6.7	9.0	7.6	7.3	3.5	9.0	9.1	7.6	8.7	10.8	9.4	8.6	6.7	5.1	4.5	3.8	3.2	4.0	6.7
13	2.6	1.9	3.8	5.8	6.1	6.0	7.0	16.9	13.6	7.8	6.6	5.0	10.1	9.7	7.7	5.6	6.3	6.4	5.7	3.2	2.0	2.7	3.7	3.9	6.3
14 D	3.2	1.6	11.6	27.8	7.6	5.7	20.4	22.2	2.0	-2.4	-5.0	-5.2	17.4	17.3	15.6	13.5	10.6	7.5	-0.2	2.0	0.7	2.9	4.7	5.9	7.8
15 D	6.7	6.2	5.7	5.6	37.5	9.6	5.1	9.1	8.2	-12.5	9.2	17.4	-2.6	5.5	8.0	6.0	8.8	7.8	4.5	3.8	2.9	5.0	8.1	9.5	7.3
16	6.7	8.1	12.9	6.2	16.1	14.5	6.0	-3.1	4.1	11.3	8.0	7.5	-0.2	8.4	12.4	14.9	13.4	10.9	8.9	7.1	4.5	4.3	4.7	5.0	8.0
17	4.9	6.0	6.1	4.6	4.8	5.4	6.0	6.2	5.3	-0.2	8.1	10.0	8.6	6.0	10.1	13.2	12.5	10.4	11.1	7.8	5.7	4.3	4.5	4.2	6.9
18	5.4	4.4	6.5	6.4	5.5	5.4	5.9	6.0	6.7	7.1	8.0	7.1	4.8	1.9	5.7	5.7	4.4	0.3	0.1	3.7	5.3	4.1	5.7	5.5	5.1
19 D	5.5	6.0	5.5	5.6	5.9	27.1	7.1	-4.4	-16.7	-1.2	2.8	9.1	9.7	10.8	15.2	16.8	15.4	2.0	5.1	3.9	5.1	5.7	6.4	7.1	6.5
20	8.8	8.2	5.8	7.1	14.9	9.6	7.5	7.1	3.6	-5.5	-5.3	16.9	6.8	4.5	2.2	14.2	12.9	12.0	9.3	7.5	5.6	2.4	3.5	4.5	6.9
21	2.6	4.3	7.4	9.3	17.1	5.8	6.6	11.7	7.3	5.6	3.5	5.6	4.8	5.7	9.4	9.7	12.3	8.5	6.4	2.8	0.4	1.9	3.0	4.4	6.5
22	5.0	6.6	10.9	7.4	8.7	25.2	7.7	-2.3	4.6	11.0	6.7	6.6	0.4	4.2	10.4	12.5	14.2	14.3	12.4	9.7	6.7	4.4	3.4	3.2	8.1
23	3.4	4.2	4.5	5.1	9.6	13.6	10.5	10.6	10.0	9.5	4.7	6.7	5.9	10.6	5.7	10.7	15.6	12.7	6.7	4.6	3.6	3.5	4.0	4.4	7.5
24	4.8	5.3	5.3	5.5	5.0	9.7	14.0	7.5	4.8	7.0	4.2	0.9	8.7	10.5	12.2	12.0	12.6	9.4	6.2	4.6	4.0	3.1	3.1	3.8	6.8
25 Q	5.0	5.8	5.9	6.5	6.3	6.5	6.5	10.0	6.8	6.4	7.0	7.6	7.9	8.4	10.8	14.6	16.5	15.3	11.4	7.2	3.5	2.1	1.8	2.6	7.6
26	2.9	4.3	4.8	4.8	10.0	13.1	17.6	11.7	4.9	-0.4	8.2	7.4	7.8	10.4	12.2	14.1	15.1	12.4	10.5	7.2	4.5	2.1	2.1	1.6	7.9
27	2.5	3.5	4.5	4.7	5.0	5.7	9.4	7.6	6.9	7.6	8.5	8.1	5.4	7.8	14.3	14.6	0.2	-1.3	7.5	9.7	-3.8	-2.0	1.5	3.5	5.5
28	3.6	2.4	-0.6	11.8	14.3	5.4	-1.5	-15.1	9.4	8.7	10.4	9.4	8.9	12.9	17.2	17.6	15.2	12.4	9.7	4.5	5.6	4.5	4.5	4.8	7.3
29	5.6	5.8	5.6	5.5	5.5	5.7	6.3	6.5	6.5	6.5	12.2	9.4	8.3	10.8	13.3	15.5	15.2	12.3	10.7	2.1	-1.6	-1.7	-0.1	2.7	7.0
30	3.8	3.6	2.8	13.9	5.5	4.0	2.8	7.2	24.3	9.5	7.8	7.8	10.5	11.5	14.4	16.0	14.3	10.9	6.4	3.1	1.5	0.8	1.9	4.5	7.9
31	5.7	5.4	4.9	5.2	5.2	5.2	5.2	5.5	6.2	6.4	6.9	7.9	7.9	11.1	12.9	16.1	15.0	13.3	8.8	4.2	1.9	1.4	2.1	2.1	6.9
Mean	4.2	4.4	5.2	6.4	8.2	8.8	7.4	7.1	6.4	6.5	8.2	8.5	8.1	8.5	10.7	12.2	11.9	9.9	7.9	5.5	3.3	2.7	3.5	4.1	7.1

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 9 Meanook

z = 58,000 γ +

March 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	770	770	769	774	796	799	783	748	754	761	744	723	672	720	767	771	770	766	762	770	773	775	780	784	763
2	792	803	803	823	835	808	803	792	779	769	764	764	762	762	762	767	767	767	762	760	765	769	769	769	780
3 Q	772	778	781	775	772	767	765	752	752	749	754	757	756	758	761	768	767	759	754	757	760	761	762	761	762
4 Q	761	758	758	759	759	760	766	765	760	759	759	758	756	756	752	751	753	753	756	758	761	768	768	765	759
5	762	762	766	775	775	769	764	762	759	744	705	734	758	760	765	758	759	760	759	761	767	789	859	773	765
6 D	745	653	561	745	806	762	782	768	677	691	709	707	783	608	734	762	775	772	772	771	771	773	773	772	736
7 Q	770	770	770	770	769	769	769	769	768	768	768	768	764	764	767	767	764	759	758	760	761	765	769	770	766
8 Q	772	778	778	782	792	801	797	795	772	760	759	749	749	755	761	761	760	757	755	757	766	766	766	768	769
9	763	771	781	799	797	804	814	783	746	735	749	766	768	766	747	733	736	736	740	743	750	760	763	769	763
10 D	771	775	782	836	861	858	826	790	526	511	1118	953	955	740	760	771	774	781	773	773	781	781	781	781	794
11	782	776	776	776	782	781	788	770	771	757	763	770	772	773	770	771	768	769	767	772	774	782	782	790	774
12	793	794	781	771	770	771	771	776	771	761	730	761	771	766	770	772	771	769	769	771	771	772	781	780	771
13	782	785	782	775	771	771	772	779	696	749	748	737	750	761	760	740	750	750	752	760	771	774	776	773	761
14 D	780	824	867	846	863	782	741	651	629	511	393	496	610	639	696	734	757	755	782	793	784	783	782	781	720
15 D	780	772	772	776	780	749	771	749	744	564	556	603	707	674	729	760	759	758	761	766	771	788	804	814	738
16	847	857	856	805	782	754	743	485	702	760	772	728	660	735	763	760	761	768	769	769	769	769	768	766	756
17	763	767	768	769	767	768	761	691	698	661	720	752	752	749	750	766	755	755	761	761	768	770	770	771	750
18	769	769	768	765	765	763	762	761	760	760	759	759	741	682	708	696	717	720	747	760	768	771	780	769	751
19 D	766	762	760	761	790	724	730	789	732	649	675	734	703	631	731	770	742	731	784	774	785	796	793	802	746
20	808	792	776	781	759	739	759	746	654	535	473	509	617	636	698	739	746	749	760	762	781	776	771	772	714
21	782	780	780	783	771	771	762	762	749	740	739	743	749	750	752	760	760	759	767	771	769	779	781	776	764
22	771	773	791	791	781	738	749	599	625	731	750	707	730	727	760	771	769	769	770	770	770	770	768	762	748
23	761	763	763	767	771	761	718	719	684	712	712	736	720	710	702	741	747	750	760	760	763	767	764	766	742
24	763	763	766	766	769	785	761	764	743	740	711	642	725	748	750	751	754	754	756	758	763	766	766	767	751
25 Q	768	768	762	762	762	762	763	762	761	759	759	759	756	750	751	760	756	750	754	756	760	764	767	762	760
26	761	761	761	772	781	783	772	741	738	642	709	741	742	754	762	762	761	761	761	761	761	762	762	762	753
27	762	761	761	761	762	776	794	783	707	657	681	684	651	696	736	696	630	642	718	741	738	753	763	763	726
28	761	769	797	794	805	794	749	695	719	707	730	762	753	750	761	758	767	761	771	772	770	772	773	772	761
29	771	766	763	763	763	761	761	761	740	717	740	742	759	761	761	761	760	759	757	761	763	763	759	755	757
30	763	770	798	827	837	802	777	733	665	764	762	768	764	769	768	767	764	764	767	767	767	767	766	766	769
31	761	758	758	758	758	758	755	755	759	759	757	755	759	759	759	759	750	749	750	751	753	757	754	758	756
Mean	772	773	773	781	786	774	768	742	721	707	724	728	739	727	749	755	754	753	760	763	767	771	775	772	756

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook

H = 12,000 γ +

April 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	1041	1053	1125	1095	1029	1034	1026	809	790	918	787	944	1005	1054	1056	1041	1031	1027	1010	1017	1005	1010	1029	1063	1000
2	1049	1041	1045	1043	1059	1064	1066	1002	773	833	723	853	960	1007	1025	1035	1038	1023	1018	1014	1017	1014	1029	1062	991
3 D	1086	1099	1196	1081	1241	1172	1001	740	787	758	933	1052	1067	1016	982	945	971	979	996	1016	1036	1027	1057	1071	1013
4 Q	1110	1062	1031	1025	1031	1036	1063	1031	1031	1024	1031	1032	1031	1023	1033	1038	1026	1018	1008	1009	1009	1013	1023	1023	1032
5 Q	1035	1039	1041	1047	1049	1035	1040	1031	1031	1036	1031	1007	1032	1043	1031	1031	1032	1023	1015	1016	1015	1016	1023	1035	1031
6	1035	1032	1039	1038	1035	1039	1035	1036	1038	1035	1039	1038	1038	1038	1041	1036	1019	994	996	1005	1016	1028	1047	1056	1031
7	1035	1027	1032	1057	1038	1032	1031	1031	1031	1020	1000	1047	1054	1047	1040	1040	1033	1021	1016	1016	1020	1023	1031	1031	1031
8	1035	1037	1042	1039	1040	1043	1039	984	1041	1049	1037	1048	1053	1051	1051	1047	1038	1026	1028	1024	1023	1020	1016	1035	1035
9 D	1039	1046	1040	1046	1051	1055	1052	1051	1034	685	152	576	1001	1077	1070	1058	1046	1014	1019	1012	1023	1023	1027	1026	967
10	1037	1041	1051	1043	1053	1059	982	1039	992	908	920	1027	997	926	1007	1029	1030	1030	1028	1037	1034	1034	1053	1031	1017
11 D	1037	1062	1051	1056	1073	990	1015	1002	1022	821	986	992	951	858	989	994	944	972	1033	1027	1033	1038	1040	1046	1001
12	1030	1039	1033	1038	1037	1039	1038	994	1022	1032	1026	998	984	986	977	994	1022	1022	1022	1023	1032	1023	1030	1037	1020
13	1030	1034	1039	1037	1040	1046	1046	1035	1037	1039	1042	1041	1022	1000	968	1053	1037	1022	1020	1022	1023	1031	1054	1032	
14 D	1043	1035	1044	1046	1048	1053	1053	1040	1032	952	861	830	808	753	877	913	864	867	875	1042	1083	1156	740	728	1000
15 D	796	620	723	997	1001	858	586	965	1008	924	842	928	1022	1003	1022	938	1032	1017	1013	1002	997	1004	1024	1032	1015
16	1028	1039	1036	1028	1034	1030	1029	1031	1004	985	997	960	930	962	1011	1013	1015	1015	1016	1013	1022	1026	1055	1026	1013
17 Q	1003	1021	1024	1026	1025	1028	1028	1025	1028	1031	1037	1023	1022	1027	1037	1036	1028	1011	994	985	990	999	1010	1022	1019
18 Q	1031	1030	1030	1034	1034	1034	1031	1030	994	984	1037	1040	1037	1034	1051	1049	1030	1023	1015	1012	1007	1008	1015	1030	1026
19	1031	1038	1033	1024	1037	1039	1037	1045	1030	1044	1046	1044	1046	1046	1047	1042	1022	1008	991	1000	1003	1018	1030	1032	1031
20	1044	1033	1037	1041	1038	1039	1038	991	1030	1051	1046	1045	1042	1046	1039	1035	1030	1015	1014	1008	1007	1015	1022	1031	1031
21 Q	1037	1041	1042	1042	1039	1038	1037	1040	1040	1044	1046	1045	1038	1038	1037	1036	1026	1014	1014	1015	1019	1011	1022	1030	1033
22	1037	1038	1044	1040	1041	1043	1045	1048	1054	1055	1047	1038	996	985	1011	1016	979	1014	1015	1019	1022	1022	1005	1015	1026
23	1031	1023	1026	1031	1037	1044	1047	1042	936	980	987	932	976	1013	1028	1006	1013	1012	1004	1015	1022	1030	1047	1030	1013
24	1046	1062	1099	1052	1035	1030	1036	1039	1042	1043	1035	1007	1038	1022	1012	1003	1008	1005	1007	1004	1020	1038	1026	1012	1030
25	1030	1062	1078	1050	1054	1051	1039	1039	1022	1008	1034	1036	1041	1038	1037	1024	1014	1007	1006	1012	1015	1022	1039	1039	1033
26	1053	1060	1109	1109	1095	1014	1061	1053	1049	1050	1049	1050	1052	1048	1013	1021	1030	1021	1003	1026	1027	1028	1013	1026	1044
27	1022	1038	1030	1047	1029	1054	1069	1006	840	935	1027	1037	984	889	989	1021	1029	1007	1007	1015	1014	1019	1029	1037	1007
28	1050	1048	1057	1063	1091	1067	1075	1036	1030	1031	1039	1016	1025	1029	1029	1028	1021	1005	996	1001	1011	1021	1036	1045	1035
29	1036	1024	1035	1037	1032	1030	1032	1037	1039	1045	1051	1047	1047	1043	1033	1031	1024	1017	1019	1021	1031	1047	1061	1054	1036
30	1062	1057	1039	1036	1044	1039	1036	1039	1039	1047	1036	1018	1008	1042	1021	1017	1018	1015	1006	1018	1009	1016	1039	1055	1031
31																									
Mean	1049	1058	1063	1045	1050	1038	1024	1010	995	979	964	992	1011	1006	1020	1016	1016	1009	1007	1015	1019	1026	1042	1048	1021

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 11 Meanook

D = 24° E + ...'

April 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	3.7	2.9	3.7	9.9	3.9	3.6	6.5	11.8	23.0	16.8	9.0	24.3	18.3	16.4	15.6	15.4	12.4	7.0	5.3	3.5	0.0	-0.1	0.7	2.0	9.0	
2	3.9	5.1	5.1	5.1	10.6	17.7	8.4	7.8	37.6	19.1	4.5	13.5	24.1	20.1	19.4	18.8	18.6	12.1	7.1	6.8	5.2	1.2	-1.5	-2.4	8.0	
3 D	-2.7	-2.8	-0.3	7.3	16.6	5.1	10.5	7.0	9.6	20.8	12.9	7.5	8.8	12.2	17.4	8.2	9.6	6.4	3.4	2.1	3.6	3.1	3.3	3.6	5.9	
4 Q	6.6	2.2	1.9	4.6	4.2	3.6	9.3	2.3	5.4	5.5	7.3	8.2	8.3	10.3	13.3	16.1	16.5	15.6	13.7	7.7	5.8	4.4	2.6	1.6	7.4	
5 Q	1.7	3.2	2.5	3.5	7.2	4.4	5.4	6.8	7.4	7.7	7.3	4.4	9.9	11.3	12.2	14.1	14.0	13.6	10.4	7.8	5.3	3.4	2.3	1.0	7.0	
6	1.6	2.5	2.0	2.1	4.6	5.6	5.9	5.7	7.2	6.4	7.3	7.2	7.6	9.4	10.3	15.0	16.5	15.1	5.8	4.5	3.4	0.3	-3.5	-3.7	5.8	
7	-7.8	-4.4	0.5	10.3	7.8	4.4	5.9	5.9	6.8	7.3	10.4	7.8	6.4	8.4	9.3	10.7	12.7	11.2	8.9	5.9	3.6	2.5	1.6	1.7	5.6	
8	2.9	3.4	3.8	3.4	5.2	3.8	4.4	6.3	11.2	7.1	6.7	7.2	6.4	8.3	10.2	12.5	13.2	11.1	8.4	5.6	3.2	1.7	1.3	0.2	6.1	
9 D	1.5	2.9	3.4	3.3	1.0	4.0	5.7	6.1	7.7	4.5	13.0	68.5	19.6	14.1	16.5	16.3	14.5	12.1	6.8	0.5	0.2	2.1	2.1	2.9	9.6	
10	3.9	4.6	3.8	4.4	8.7	19.6	12.0	5.7	7.0	3.3	0.6	9.1	11.1	7.6	11.7	11.8	9.2	10.6	9.6	7.5	5.7	3.9	2.0	0.6	7.3	
11 D	1.6	1.5	13.8	12.9	9.6	14.0	4.7	13.2	4.3	-5.0	7.3	7.2	5.1	0.3	8.4	10.2	8.0	4.7	2.5	1.8	3.2	3.8	3.3	2.1	5.7	
12	2.5	3.3	4.3	5.0	4.9	4.6	11.0	-4.8	10.1	6.8	7.9	8.0	3.9	9.2	11.2	8.2	11.0	10.5	5.3	2.9	2.8	1.9	1.9	2.1	5.6	
13	2.9	3.7	6.2	6.1	7.1	3.8	3.7	1.9	2.5	5.4	7.6	8.3	8.1	6.8	8.8	4.0	4.3	6.4	7.2	3.8	-0.6	-1.9	-1.8	-1.4	4.3	
14 D	-0.7	0.1	1.0	1.5	1.4	1.6	2.4	3.7	4.8	9.7	23.0	13.1	33.5	27.3	33.2	18.2	11.2	8.8	-2.7	3.6	9.6	11.4	20.1	13.6	10.4	
15 D	2.5	7.3	7.1	-3.3	-6.8	8.4	34.0	-1.2	7.4	6.0	-0.7	-2.0	4.3	7.4	8.8	9.7	11.7	12.2	10.8	7.8	0.3	-0.4	0.3	2.2	2.7	
16	3.5	4.7	6.6	6.9	6.0	7.0	6.6	5.0	6.4	5.6	4.8	2.1	-1.5	4.5	12.7	13.4	13.6	12.6	8.4	7.2	6.6	2.2	2.5	1.4	6.2	
17 Q	0.4	2.6	3.4	4.9	4.5	4.7	5.6	4.8	7.2	6.5	5.7	2.7	4.7	8.8	13.2	15.2	14.7	12.2	8.1	3.2	1.3	0.1	-0.7	-0.5	5.6	
18 Q	0.9	2.5	4.3	4.3	5.3	8.2	9.1	7.2	3.4	-1.7	7.2	6.9	6.2	6.5	12.1	14.1	13.6	12.3	8.4	5.7	2.5	1.3	0.0	0.3	5.9	
19	1.4	1.6	3.7	7.7	5.4	3.7	4.3	6.3	7.4	8.3	4.7	6.3	7.3	10.2	13.1	14.2	14.1	12.5	3.4	1.0	-2.8	-1.7	-1.5	-1.2	5.4	
20	-1.0	2.3	4.0	4.3	8.1	5.9	7.2	0.5	8.7	8.1	6.4	6.3	7.0	8.4	10.1	11.9	13.2	13.6	11.2	7.0	2.7	1.5	1.4	0.9	6.2	
21 Q	1.2	2.0	2.8	4.1	4.5	5.1	5.3	5.7	5.9	6.3	6.5	6.6	7.9	8.2	10.3	12.1	13.1	12.0	9.2	5.6	4.7	1.3	0.9	0.8	5.9	
22	0.4	0.5	2.5	3.7	4.3	4.6	4.6	5.3	5.4	6.0	3.8	6.7	4.9	13.2	18.0	15.2	6.7	5.9	8.2	2.3	2.8	-1.6	-5.5	-2.7	4.8	
23	-2.5	1.3	3.3	4.3	3.6	6.1	5.1	4.3	1.5	13.6	11.2	10.1	16.0	19.4	16.2	13.2	12.0	9.6	8.1	5.5	4.1	0.3	0.5	-0.5	6.9	
24	-1.5	-3.4	4.5	2.5	2.3	3.5	3.5	4.3	4.3	5.1	5.3	4.1	8.2	9.3	9.2	7.9	7.7	7.4	2.9	-0.6	-2.4	-1.0	-1.6	-2.1	3.3	
25	-2.0	-0.6	10.2	3.4	3.2	5.3	4.0	4.0	4.5	6.3	6.3	7.3	8.4	10.6	12.9	14.1	14.1	9.6	4.5	-1.8	-2.6	-0.7	-0.6	-0.8	5.0	
26	-1.4	-1.1	-0.5	-1.0	5.2	12.9	8.2	8.2	4.7	5.2	6.1	7.2	8.5	9.4	9.4	10.2	13.0	11.9	8.3	2.9	3.2	3.1	2.9	3.6	5.8	
27	4.6	6.4	6.7	5.3	7.8	3.4	4.0	5.5	-8.1	9.2	11.3	13.7	19.5	14.0	14.3	18.5	16.6	12.2	6.9	1.5	-0.9	-1.5	1.3	1.5	7.2	
28	-1.1	0.8	3.3	5.7	8.3	8.1	5.0	3.9	3.8	4.2	4.4	3.4	5.1	7.1	10.2	11.3	11.7	11.6	6.3	2.0	0.5	-2.4	-2.2	-1.6	4.6	
29	-1.3	2.5	4.1	5.0	5.4	5.9	5.8	5.7	5.1	4.6	4.4	6.9	7.0	9.6	11.2	13.8	14.3	11.5	6.7	2.1	0.4	0.2	-1.8	-2.5	5.3	
30	-1.3	-3.2	-0.1	2.7	3.7	2.4	3.2	3.7	5.0	7.7	7.9	8.2	12.3	13.4	14.9	11.7	14.1	8.6	5.2	2.7	-1.4	-3.0	-4.9	-4.7	4.5	
31																										
Mean	0.8	1.8	3.9	4.7	4.6	6.4	4.8	5.1	4.7	7.2	7.3	9.7	9.9	10.7	13.1	12.9	12.5	10.7	6.9	3.9	2.3	1.2	0.8	0.6	6.1	

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 12 Meanook

z = 58,000 γ +

April 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	760	783	890	891	808	782	780	638	577	710	693	567	668	741	754	758	761	769	772	772	770	768	772	771	748
2	771	762	766	770	794	775	773	709	532	716	723	629	613	693	732	759	761	762	759	769	785	788	801	821	740
3 D	829	848	851	540	721	786	671	615	826	783	779	795	801	767	747	698	705	740	750	758	766	767	794	805	756
4 Q	839	805	788	773	775	782	791	740	771	761	762	763	766	761	771	771	769	763	761	760	760	761	761	761	772
5 Q	770	772	783	784	801	771	769	771	764	756	746	702	738	762	760	756	759	759	757	757	758	758	759	767	762
6	770	770	782	793	784	782	774	762	760	750	750	750	751	751	754	754	754	754	749	750	757	782	812	798	766
7	790	783	800	832	783	769	762	750	736	707	636	719	750	756	754	751	751	751	753	757	758	758	762	761	755
8	761	757	757	757	761	761	767	720	751	761	744	742	754	760	760	757	757	751	751	750	750	752	752	752	754
9 D	757	760	763	770	781	784	742	751	730	632	551	672	681	748	762	756	751	744	751	752	754	752	761	773	737
10	785	784	776	776	786	696	626	716	720	683	601	718	706	655	720	736	741	749	762	762	768	763	773	763	732
11 D	763	784	827	788	612	708	710	667	726	565	697	699	673	592	655	686	700	748	764	762	771	772	773	773	718
12	759	759	759	762	763	763	762	611	713	745	745	707	696	698	696	720	743	757	760	762	768	764	764	767	739
13	762	762	769	773	774	774	762	755	750	751	751	752	749	733	704	769	732	739	743	745	751	751	751	757	748
14 D	761	755	757	759	759	760	771	765	748	707	672	671	617	578	605	588	598	670	737	878	828	816	668	508	707
15 D	506	653	757	513	762	623	502	736	762	758	654	683	757	761	776	745	783	783	782	781	786	798	786	781	718
16	776	782	791	783	786	781	768	735	737	705	728	711	700	723	751	763	759	772	775	784	803	803	825	787	765
17 Q	764	767	764	768	765	765	760	726	736	743	754	737	738	750	760	763	763	763	763	763	772	773	772	770	758
18 Q	772	769	768	763	764	769	771	751	666	626	718	743	751	745	760	761	761	761	760	760	760	762	764	773	750
19	773	773	773	782	765	763	761	751	702	736	752	762	763	763	763	761	759	762	761	761	763	759	768	777	761
20	794	799	789	784	767	735	744	666	686	750	755	754	755	761	760	760	757	756	751	751	757	761	762	754	754
21 Q	762	761	761	761	761	762	761	759	759	747	752	754	755	755	751	750	751	751	751	749	751	751	751	751	755
22	752	752	757	757	757	757	756	756	754	751	723	697	625	624	655	708	711	722	739	749	757	784	787	761	733
23	756	752	757	761	773	778	783	765	632	680	705	672	666	717	747	741	746	748	746	754	762	786	803	803	743
24	795	800	850	806	774	763	756	756	754	751	738	702	729	735	731	717	728	737	742	754	764	780	788	781	760
25	778	796	816	784	811	815	785	768	742	698	741	747	751	751	752	751	750	748	746	750	750	756	773	783	764
26	794	800	837	843	817	665	758	777	763	769	763	760	755	755	723	715	746	751	751	754	759	765	765	765	765
27	763	773	773	784	787	781	780	708	546	631	695	734	676	652	711	741	742	742	748	752	751	755	764	773	732
28	786	782	799	808	851	820	811	784	752	749	758	737	748	759	764	764	763	760	762	765	773	771	776	783	776
29	776	762	759	758	754	754	754	755	755	757	757	755	755	755	757	756	752	748	746	748	754	763	787	813	760
30	800	799	794	776	777	786	771	755	752	735	720	710	719	754	744	745	744	741	744	748	749	754	760	772	756
31																									
Mean	768	773	787	767	773	760	749	732	720	721	719	718	720	725	736	737	742	750	755	762	765	769	771	767	749

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 13 Meanook

H = 12,000 γ +

May 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	1039	1076	1206	1115	1088	1045	1038	1038	1036	1006	880	886	932	1021	1051	1037	1016	1012	1007	1011	1018	1032	1045	1092	1030
2	1192	1304	1292	1115	1053	1025	1014	1014	958	935	1029	1014	1028	1029	1050	1045	1029	1022	1014	1013	1013	1014	1017	1021	1052
3 Q	1029	1034	1037	1036	1036	1036	1032	1031	994	1018	1037	1049	1051	1056	1060	1051	1037	1022	1012	995	996	1009	1015	1029	1029
4	1036	1038	1043	1039	1040	1038	1037	1038	1039	1037	1043	1036	1034	1044	1052	1048	1037	1014	998	982	1004	1040	1078	1036	1035
5	1037	1027	1024	1034	1038	1045	978	795	999	1065	1037	1003	1069	1061	1045	1036	942	1030	1043	1036	1043	1037	1076	1028	1022
6 D	1038	1076	1040	1060	1054	899	807	865	797	739	414	786	888	701	920	1057	1047	1045	1045	1042	1045	1047	1054	1046	938
7 D	1059	1060	1052	1053	1075	1054	980	853	981	922	963	817	922	952	958	994	1050	1036	1046	1050	1051	1047	1049	1028	1002
8	1035	1037	1046	1053	1054	1071	1010	1044	1028	968	1027	1044	1042	1031	1028	1035	1024	1018	1021	1025	1028	1032	1030	1042	1032
9	1047	1046	1063	1046	1046	1038	926	810	632	668	1035	1068	1059	1032	996	1005	1035	1029	1032	1034	1038	1037	1035	1044	992
10	1036	1055	1042	1042	1041	1040	1049	1047	1005	958	992	997	1013	1058	1051	1041	1036	1035	1036	1038	1036	1035	1052	1084	1034
11	1049	1075	1084	1115	1075	1127	1108	1047	894	957	1030	1035	1013	1035	1037	1038	1046	1017	1038	1039	1064	1057	1039	1068	1045
12	1050	1081	1080	1116	1060	1038	978	983	979	952	933	1036	1038	1057	1047	1048	1031	1023	1028	1028	1017	1030	1044	1115	1033
13	1234	1311	1256	1074	1075	1033	1031	1018	993	993	998	857	991	1038	1049	1020	1035	1014	1007	1017	1028	1031	1050	1061	1051
14	1068	1051	1083	1074	1030	1030	1032	1025	1032	1024	950	1005	1057	1038	1008	1024	1024	1013	1011	1014	1019	1023	1031	1032	1029
15 Q	1035	1047	1049	1047	1044	1042	1044	1052	1050	1042	1050	1053	1052	1050	1051	1044	1048	1044	1021	1019	1019	1017	1042	1075	1043
16 D	1142	1186	1041	1029	1056	1122	886	926	863	762	794	993	1044	1006	969	958	1016	1029	1006	1032	1037	1021	1041	1090	1002
17	1056	1046	1051	1044	1045	1043	1037	1029	1029	1029	1050	1024	1005	985	1008	1051	1044	1037	1021	1023	1028	1028	1029	1028	1032
18 Q	1037	1038	1044	1045	1042	1044	1037	1044	1034	1020	1038	1050	1044	1044	1052	1051	1050	1044	1038	1028	1020	1015	1022	1037	1038
19	1046	1061	1043	1046	1053	1044	1035	1035	998	941	992	1055	1063	1066	1060	1053	1045	1039	1028	1035	1035	1028	1038	1069	1038
20	1070	1030	1054	1177	1186	1130	1089	1090	1038	1015	1028	1026	1013	1020	1037	1023	1030	1020	1017	1008	1013	1028	1028	1041	1038
21 Q	1056	1051	1052	1051	1050	1053	1044	1030	1044	1046	1041	1029	1036	1060	1056	1053	1037	1027	1007	1007	1009	1035	1060	1075	1042
22	1044	1061	1051	1060	1044	1056	1056	1067	1068	1068	1074	1086	1090	1096	1091	1083	1056	1053	1020	1027	1032	1028	1037	1045	1058
23	1060	1051	1052	1056	1085	1066	1056	1051	1042	1058	1043	1020	1028	1052	1050	1041	1036	1028	1019	1020	1029	1035	1042	1047	1045
24	1077	1069	1075	1060	1046	1029	1037	1036	1029	1029	1030	1030	1036	1028	1055	1036	1038	1032	1020	1024	1028	1036	1057	1053	1042
25 D	1094	1119	1129	1115	1096	789	792	934	917	788	824	761	730	680	850	970	1010	1002	1028	1062	1044	1051	1044	1035	953
26	1073	1084	1060	1029	1028	1038	1028	974	1029	1044	1045	1008	977	1014	1036	1044	1046	1035	1035	1044	1048	1050	1050	1058	1037
27	1052	1046	1060	1064	1047	1045	1050	996	1039	1037	1033	1036	1042	1029	1010	1020	1027	1014	1013	1017	1029	1030	1035	1052	1034
28	1050	1063	1062	1068	1056	1052	1050	1059	1050	1051	1032	1002	1050	1048	1054	1028	1011	1002	995	1004	1028	1075	1028	1032	1039
29 Q	1036	1043	1037	1051	1060	1066	1055	1052	1051	1052	1053	1056	1055	1059	1060	1055	1046	1035	1018	1013	1019	1024	1036	1046	1045
30	1067	1060	1050	1052	1060	1059	1052	1044	1046	1051	1063	1075	1078	1092	1090	1080	1062	1060	1042	1044	1046	1051	1055	1083	1061
31 D	1052	1083	1035	1075	1076	1081	1060	1007	747	613	620	980	1086	1069	1083	1075	1037	1050	1029	1051	1053	1052	1056	1090	1007
Mean	1066	1078	1074	1066	1059	1041	1014	1001	982	964	973	998	1018	1018	1031	1037	1033	1028	1023	1025	1030	1035	1042	1054	1029

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Meanook

D = 24° E + ...'

May 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	-2.5	-1.3	0.0	4.6	6.6	5.2	3.3	1.8	4.6	5.6	0.1	2.0	18.1	13.2	11.0	12.4	13.9	9.3	7.0	2.5	-0.5	-3.0	-4.3	-7.8	4.2
2	-7.0	-5.4	6.4	16.8	-0.9	0.5	2.5	9.3	12.6	12.2	3.0	5.7	4.7	6.4	11.3	14.3	14.0	10.4	8.0	5.7	3.7	3.5	2.7	2.7	6.0
3 Q	3.7	4.4	5.8	7.0	6.2	5.8	6.9	7.2	4.9	8.2	6.6	7.2	8.5	13.1	13.5	12.7	12.4	11.2	7.7	5.2	2.0	-0.2	-1.0	-0.2	6.6
4	0.6	2.4	3.4	4.2	4.4	5.1	6.2	6.3	7.3	6.3	4.0	5.9	7.1	10.3	12.2	13.0	14.2	16.1	13.1	6.9	3.3	0.5	-6.4	-4.5	5.9
5	-4.7	-3.4	0.0	2.0	1.1	2.4	3.2	18.1	12.7	5.4	2.2	3.5	5.9	8.3	9.4	10.3	9.2	-2.7	4.6	-1.7	-0.3	1.4	-2.9	-2.5	3.4
6 D	-1.1	0.0	1.0	3.0	1.8	18.5	-1.6	1.9	-6.0	-3.2	-9.5	6.6	11.8	13.2	14.8	13.9	10.8	8.5	7.3	5.2	4.2	1.4	0.7	-0.1	4.3
7 D	0.4	2.1	3.1	2.0	6.1	10.4	-3.6	8.8	9.8	10.4	6.1	-0.8	4.3	9.4	9.2	9.4	9.4	7.4	6.6	6.4	3.5	3.4	-0.3	-0.5	5.1
8	-1.9	0.1	0.7	1.6	4.1	6.7	9.3	4.7	5.2	1.2	3.6	6.9	9.0	9.0	8.9	9.4	10.4	7.3	4.5	0.9	0.6	1.8	0.0	-0.6	4.3
9	-0.6	-0.6	1.2	3.3	7.3	19.2	-2.4	4.7	-4.7	-17.1	12.1	9.5	10.4	9.4	9.2	7.5	7.1	8.9	7.4	5.3	4.4	3.3	2.4	1.4	4.5
10	2.1	2.4	2.4	3.0	3.9	8.3	5.4	4.1	2.6	7.5	11.7	6.5	12.3	12.5	12.3	12.3	11.9	11.5	9.3	7.4	4.4	2.7	1.7	-0.5	6.6
11	2.5	0.1	-2.8	6.4	4.0	5.4	9.3	5.5	8.7	11.8	7.4	8.3	9.4	8.2	8.7	9.3	12.1	10.3	3.3	0.1	2.3	0.8	-0.1	-0.7	5.4
12	0.5	0.3	7.7	12.1	16.4	11.3	6.8	15.9	8.8	12.0	-3.1	5.4	11.5	13.3	15.7	16.5	15.9	12.0	7.2	1.4	-0.7	-3.3	-2.1	-3.0	7.4
13	0.6	1.5	7.6	10.0	15.9	4.7	4.2	3.0	0.5	3.0	-0.6	-1.7	5.2	10.5	15.6	17.8	15.1	12.6	7.2	2.8	-0.8	-1.5	0.9	2.2	5.7
14	3.8	5.3	14.8	15.8	7.8	6.5	5.0	4.2	4.4	5.7	0.4	5.1	8.0	8.4	8.8	13.5	15.2	12.4	8.2	4.2	0.7	-0.8	-1.3	-0.1	6.5
15 Q	1.0	2.5	3.3	3.3	3.5	4.0	5.5	5.3	5.8	6.4	6.9	6.3	9.1	9.9	14.2	15.1	16.7	15.2	11.5	6.5	2.5	-4.0	-4.4	-4.5	5.9
16 D	-2.2	-2.6	-1.3	0.5	1.7	11.6	14.1	7.8	5.4	2.6	7.8	2.6	7.5	14.9	18.0	16.2	15.5	13.0	8.3	2.7	1.5	-0.7	0.7	1.5	6.1
17	4.2	4.3	3.9	4.4	5.2	10.7	5.6	5.0	3.5	3.9	5.0	2.9	5.4	6.4	14.3	16.3	15.0	12.7	8.3	5.3	3.0	1.5	1.0	1.8	6.2
18 Q	2.4	4.2	4.4	4.5	4.5	5.1	6.4	5.6	3.5	2.5	3.5	5.8	7.4	11.3	14.7	15.6	16.2	15.1	11.4	5.6	1.6	-0.5	-1.7	-1.5	6.2
19	0.5	2.5	3.2	3.1	3.4	10.4	9.4	7.4	1.9	5.4	6.6	9.5	11.8	16.4	20.1	21.0	16.3	13.7	10.1	6.9	3.4	-1.1	-1.7	-1.8	7.4
20	-5.0	-1.6	-0.5	-0.4	0.6	5.1	4.5	4.4	7.4	12.0	10.3	10.1	16.0	14.1	16.0	15.1	12.9	14.1	9.1	5.3	1.4	-1.4	-3.6	-4.1	5.9
21 Q	-2.7	-0.7	2.8	1.9	3.1	5.5	5.1	2.5	5.3	5.5	5.3	5.4	6.4	11.2	13.7	15.2	15.6	13.2	10.2	1.6	-6.4	-7.8	-6.8	-5.5	4.1
22	-3.0	-2.9	-3.1	-2.2	1.1	1.9	2.1	2.4	3.3	4.4	5.3	5.0	9.4	13.3	14.2	15.2	15.1	13.3	11.8	0.8	-1.6	-7.3	-4.5	-3.4	3.8
23	-2.6	0.3	4.1	5.3	4.9	5.1	3.5	3.3	5.8	7.2	4.1	4.9	12.2	16.2	16.9	13.8	13.3	9.3	7.5	0.9	-1.4	-0.5	-1.6	-0.2	5.5
24	1.4	10.1	13.9	6.2	6.2	6.2	9.0	3.1	5.0	4.2	4.2	3.3	6.5	8.3	13.2	15.0	12.1	10.2	6.4	2.5	0.8	0.3	-0.8	-1.1	6.1
25 D	-0.7	0.4	5.1	1.5	-2.6	-1.8	1.2	10.2	-1.6	15.1	4.4	12.1	5.3	18.2	19.0	18.8	17.1	11.4	7.1	-2.2	-6.4	-3.7	-2.7	11.2	5.7
26	2.3	11.2	7.3	3.3	3.3	2.7	4.0	-2.4	3.0	4.4	4.7	3.3	3.3	10.3	16.7	18.5	17.1	12.7	8.2	3.8	1.3	0.3	-0.3	-0.9	5.8
27	0.1	2.7	1.9	11.9	5.9	3.0	8.4	4.5	10.4	6.6	8.3	10.7	13.8	12.9	10.0	11.1	12.8	10.0	7.1	4.1	1.8	-0.7	-2.6	-2.5	6.3
28	-1.1	0.1	2.1	-1.0	2.8	3.4	3.6	1.4	3.8	5.7	8.7	9.6	16.0	14.9	19.3	22.5	15.4	15.8	5.3	-2.5	-8.2	-1.1	-4.9	-3.5	5.3
29 Q	-1.1	0.3	2.5	3.4	9.4	14.1	6.8	1.5	2.4	3.8	4.9	6.7	9.1	10.8	13.1	14.4	14.6	13.0	7.0	2.7	0.1	-2.0	-3.6	-2.3	5.5
30	-1.1	1.4	2.3	1.3	0.4	0.6	3.3	4.5	11.5	14.9	9.7	8.6	12.7	12.4	15.7	15.1	13.7	10.7	7.3	2.0	0.8	-0.9	0.4	-0.1	6.1
31 D	0.4	0.5	4.0	4.5	16.2	6.4	10.7	10.8	12.3	11.4	29.1	24.7	11.3	11.7	15.1	17.4	14.1	13.8	7.3	4.4	0.8	2.4	2.5	1.9	9.7
Mean	-0.3	1.3	3.5	4.6	5.0	6.6	5.1	5.6	5.1	6.0	5.6	6.5	9.3	11.6	13.7	14.5	13.7	11.4	7.9	3.3	0.7	-0.6	-1.4	-1.0	5.7

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 15 Meanook

$z = 58,000 \gamma +$

May 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	775	782	849	852	851	800	771	762	761	719	652	643	629	692	754	762	768	763	761	761	759	763	772	795	758
2	850	836	772	784	796	774	751	719	712	666	708	729	737	742	759	765	761	758	751	751	754	761	764	764	757
3 Q	763	762	762	767	763	765	763	754	655	690	719	746	756	756	755	751	748	743	744	746	751	751	752	755	747
4	754	754	754	754	756	761	760	751	726	733	741	750	749	751	752	751	749	742	741	751	772	795	826	860	760
5	794	767	761	773	768	773	682	585	675	751	724	669	748	756	742	743	708	721	741	737	749	760	784	786	737
6 D	789	795	789	789	773	514	621	754	751	634	515	646	603	541	696	762	761	761	763	769	784	777	777	771	714
7 D	778	804	783	773	794	741	579	415	600	636	708	664	675	690	689	719	752	752	760	757	762	772	783	776	715
8	771	763	764	781	800	795	654	707	710	616	685	731	743	750	750	751	751	750	752	758	762	773	773	762	744
9	752	751	762	780	785	752	696	632	647	389	705	771	763	747	722	731	754	750	758	763	762	762	772	774	728
10	782	775	762	758	762	764	757	751	720	686	652	664	676	745	764	764	762	757	751	752	760	762	775	792	746
11	815	803	810	815	796	807	774	761	633	636	708	720	718	723	746	732	750	743	751	751	765	781	765	777	753
12	784	828	827	829	759	717	703	696	628	586	597	720	733	759	754	759	756	750	755	755	757	762	765	795	741
13	843	781	840	845	823	801	773	748	680	684	706	576	705	741	751	759	760	760	765	767	767	769	770	771	755
14	778	773	802	795	765	763	755	684	725	741	631	662	752	752	741	751	762	757	750	750	754	754	754	755	746
15 Q	757	757	757	755	755	754	752	752	748	720	737	752	763	755	746	741	742	742	742	751	759	768	787	803	754
16 D	850	881	795	771	784	748	669	709	786	787	626	696	739	721	702	730	772	762	751	757	757	762	773	795	755
17	797	783	772	768	770	774	763	730	730	702	751	741	723	708	720	762	760	750	742	746	750	752	754	761	750
18 Q	763	763	762	761	760	760	760	755	731	697	730	751	752	750	751	751	746	746	751	751	751	752	758	758	751
19	762	766	762	760	760	763	743	732	698	644	699	743	761	764	751	744	744	745	742	742	749	749	751	773	744
20	791	773	762	817	795	799	786	752	645	703	742	732	719	714	737	742	752	752	748	746	759	764	762	762	752
21 Q	769	776	776	774	763	764	730	714	724	738	738	731	726	740	740	742	734	733	732	740	744	750	755	763	746
22	760	762	754	753	750	743	741	741	740	740	745	753	752	753	746	743	734	737	732	743	752	756	753	752	747
23	745	741	741	748	770	782	775	753	713	726	720	704	681	718	741	720	722	723	730	743	751	754	764	764	739
24	774	789	794	777	775	754	733	704	721	712	723	731	730	704	733	733	733	734	735	741	744	753	764	769	744
25 D	791	815	839	805	774	401	635	770	769	796	793	745	664	568	592	690	738	751	791	779	765	762	764	770	732
26	786	806	777	759	755	754	728	628	711	748	754	733	701	724	744	745	752	748	744	744	745	750	753	759	744
27	770	765	774	779	765	767	744	689	716	747	735	745	744	732	722	729	744	742	735	735	744	751	752	762	745
28	763	771	771	787	789	785	774	768	753	733	701	633	691	729	735	731	724	724	724	733	742	764	754	746	743
29 Q	744	745	751	761	789	787	766	754	749	749	749	749	750	750	754	753	748	744	741	732	732	738	739	748	751
30	756	766	761	755	759	772	741	690	692	689	734	740	743	754	747	745	742	742	737	736	737	745	748	762	741
31 D	756	767	765	776	782	742	765	680	551	657	679	637	743	752	761	755	733	738	742	755	755	751	766	807	734
Mean	779	781	779	779	777	748	731	711	703	692	703	710	722	725	735	744	747	746	747	750	755	760	766	774	744

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 16 Meanook

H = 12,000 γ +

June 1961

Day	Hour U. T.	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
		to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	D	1064	1083	1050	1057	1075	1058	1053	1050	886	788	930	695	684	1036	1035	1039	1028	1036	1038	1044	1054	1045	1057	1053	998
2	D	1082	1104	1081	1052	1054	1050	1039	1031	808	832	1014	848	862	917	819	926	991	960	1016	1059	1060	1044	1044	1048	989
3		1060	1076	1060	1070	1069	1031	1021	978	940	926	984	1043	1053	1060	1067	1060	1061	1047	1035	1037	1035	1027	1042	1037	1034
4		1040	1053	1068	1056	1060	1053	1047	1042	1029	1030	1013	1045	981	995	1060	1060	1051	1037	1028	1033	1035	1035	1034	1046	1039
5		1050	1046	1050	1065	1071	1046	1047	990	903	972	959	1028	1060	1063	1059	1059	1033	1013	1020	1013	1028	1030	1044	1046	1029
6		1047	1051	1058	1047	1053	1050	1053	1032	1013	1068	1069	1068	1069	1042	1044	1062	1041	988	1036	1048	1068	1053	1042	1053	1048
7		1049	1049	1041	1035	1047	1084	1056	1051	865	770	727	1010	1036	1017	915	997	1020	1006	1005	1020	1029	1063	1082	1068	1002
8		1122	1178	1083	1049	1051	1060	1006	1005	927	896	987	943	1013	1029	1036	1036	1042	1024	1020	1033	1040	1061	1082	1064	1033
9		1061	1058	1048	1044	1048	1048	1044	1044	1048	1053	1052	1050	1053	1045	1035	1036	1036	1029	1025	1023	1021	1039	1041	1050	1043
10	Q	1064	1060	1056	1052	1042	1036	1040	1039	1037	1043	1033	995	1030	1067	1060	1050	1038	1031	1029	1028	1032	1038	1046	1052	1042
11	Q	1059	1058	1056	1053	1052	1051	1049	1052	1056	1059	1063	1070	1076	1077	1069	1058	1037	1022	1012	1009	1020	1027	1044	1057	1049
12		1066	1076	1070	1073	1077	1062	1043	1051	1049	1059	1029	953	1012	1030	1031	1063	1074	1057	1035	1027	1022	1031	1043	1054	1045
13	Q	1057	1065	1059	1056	1054	1050	1049	1045	1053	1051	1056	1066	1066	1066	1074	1073	1059	1044	1040	1036	1034	1037	1042	1051	1052
14		1058	1058	1058	1058	1054	1054	1051	1054	1052	1039	1069	1071	1073	1081	1082	1080	1066	1049	1040	1039	1034	1030	1034	1065	1056
15		1073	1084	1073	1073	1066	1066	1060	1054	1050	1051	1067	1033	1042	1051	1073	1066	1058	1066	1049	1026	1015	1026	1057	1058	1056
16		1104	1159	1087	1046	1049	1045	1044	1044	1037	1030	1036	1047	1046	1041	1045	1027	1035	1033	1027	1011	1011	1012	1029	1051	1046
17		1073	1074	1073	1088	1072	1051	1042	1042	1044	1050	1054	1044	1018	1058	1066	1066	1053	1042	1022	1018	1025	1023	1058	1057	1050
18		1051	1050	1049	1058	1058	1051	1044	1026	994	820	924	980	1023	1026	1057	1038	1057	1009	995	1008	1034	1063	1146	1097	1027
19		1051	1026	1065	1090	1113	1094	1058	1040	1037	1018	986	1008	1033	1049	1049	1054	1044	1028	1019	1024	1026	1027	1033	1043	1042
20		1066	1089	1058	1081	1069	1058	1058	963	1048	1051	1054	1066	1071	1066	1065	1058	1053	1028	1017	1026	1050	1057	1090	1111	1056
21	D	1222	1457	1395	1214	1128	1083	1081	1081	1047	1000	864	681	538	861	1035	1081	1025	940	909	963	1046	1156	1508	1458	1071
22	D	1589	1375	1247	1138	1207	1112	974	612	656	577	502	674	449	572	863	994	1018	1017	1037	1047	1048	1049	1043	1071	953
23		1145	1103	1070	1040	1024	1023	1026	1033	1032	1036	1040	1042	1026	1021	1009	1034	1034	1030	1038	1024	1022	1036	1055	1066	1042
24		1081	1116	1065	1053	1035	1034	1028	1033	1036	1032	1030	1036	1048	1059	1051	1040	1029	1020	1013	1021	1019	1027	1038	1059	1042
25		1042	1063	1045	1036	1050	1034	1038	1036	1026	1001	877	924	1039	1047	1049	1044	1043	1029	1031	1032	1032	1045	1042	1051	1027
26		1081	1066	1066	1049	1040	1042	1035	1042	1045	1051	1057	1058	1065	1062	1026	1039	1015	1011	1035	1027	1020	1022	1028	1037	1042
27		1048	1058	1054	1066	1066	1046	976	916	939	957	843	979	980	1019	1066	1073	1069	1058	1042	1026	1019	1033	1048	1062	1018
28	Q	1066	1067	1058	1064	1053	1049	1041	1048	1055	1050	1039	1039	1048	1047	1057	1065	1057	1049	1027	1015	1010	1021	1038	1069	1047
29	D	1111	1088	1158	1370	1214	1119	1046	916	865	735	959	1025	1018	1035	1072	1057	1050	1041	1025	1029	1020	1029	1040	1060	1045
30	Q	1057	1072	1054	1047	1038	1041	1037	1038	1041	1046	1047	1048	1050	1049	1049	1039	1025	1014	1021	1024	1026	1027	1033	1049	1042
31																										
Mean		1091	1099	1082	1076	1070	1056	1040	1013	987	970	979	986	986	1020	1034	1046	1041	1025	1023	1026	1031	1041	1063	1071	1036

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 17 Meanook

D = 24° E + ...'

June 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	2.4	2.2	3.9	4.8	7.2	10.2	4.4	6.4	6.5	21.6	12.2	4.2	13.3	10.0	17.2	18.2	17.0	10.3	7.7	4.1	0.8	-1.7	-1.6	-0.2	7.5
2 D	0.4	8.2	3.2	2.3	5.2	9.1	4.6	2.2	7.6	9.3	1.3	7.7	1.7	6.8	13.1	5.3	9.7	6.2	2.6	3.6	2.5	1.9	2.3	1.9	4.9
3	2.4	2.8	3.8	11.3	18.2	20.1	9.2	2.1	10.1	15.1	5.0	3.3	6.4	8.3	10.8	11.3	13.2	12.2	10.0	6.5	2.7	0.4	-0.9	-1.2	7.6
4	0.2	1.6	2.3	11.8	8.3	-1.5	6.3	6.8	11.1	14.3	11.1	7.9	0.4	9.3	14.2	17.1	14.2	11.3	8.0	4.3	1.9	1.0	0.4	0.8	6.8
5	1.1	2.4	3.2	5.7	13.1	9.1	4.8	1.0	-0.2	8.5	3.4	3.8	9.7	11.6	12.2	13.3	13.2	11.4	3.9	0.4	-1.5	-1.6	-2.0	-0.7	5.3
6	0.7	1.4	2.8	9.2	5.1	2.8	3.3	6.4	17.0	6.1	3.8	4.5	6.2	7.3	13.1	13.5	10.2	12.3	-3.6	-7.3	-0.6	-2.3	-1.1	-0.6	4.6
7	0.4	2.1	3.2	3.2	3.3	15.4	14.5	7.3	-8.5	12.6	17.0	6.3	14.3	15.4	16.9	13.1	12.0	5.2	4.0	1.5	-2.2	-1.7	2.5	2.3	6.7
8	2.5	15.8	7.2	3.8	1.4	15.1	-2.6	2.4	7.6	4.2	-1.7	2.2	4.1	11.2	13.4	11.7	11.1	8.0	4.4	4.3	-0.8	2.3	3.3	2.3	5.5
9	1.7	1.5	1.7	1.7	3.2	4.8	4.1	3.8	11.1	5.3	4.3	7.2	9.3	10.1	10.5	9.1	8.7	6.2	1.5	4.2	-3.9	-2.2	-0.7	0.0	4.3
10 Q	0.8	3.1	3.4	4.6	4.9	2.6	5.9	6.0	4.4	5.8	2.7	-0.2	11.1	12.6	12.9	13.0	11.6	10.9	8.1	3.5	0.5	0.3	-0.4	-0.8	5.3
11 Q	0.6	1.8	3.1	3.0	2.6	3.1	3.4	4.5	5.1	5.1	5.8	6.8	8.0	9.8	11.8	12.9	13.2	12.8	9.3	4.6	0.6	-2.2	-3.7	-4.1	4.9
12	-2.8	-0.1	3.6	5.1	2.8	9.8	11.3	5.4	3.5	3.2	-2.3	-2.5	3.7	6.9	10.3	18.5	18.3	14.4	10.0	4.3	0.4	-0.7	-1.6	-1.0	5.0
13 Q	-0.6	0.8	2.8	3.8	5.0	4.7	3.9	3.1	3.2	4.9	3.3	4.2	6.4	9.9	13.8	15.0	13.2	10.9	7.9	3.9	1.1	-0.7	-0.2	-0.7	5.0
14	-0.7	1.7	3.3	4.0	3.7	3.2	4.1	4.3	3.3	1.1	4.2	5.2	7.4	10.1	12.8	14.0	15.6	12.1	8.7	7.2	4.1	0.5	-2.6	-0.9	5.3
15	0.8	2.8	3.1	3.0	0.9	1.2	2.9	2.3	6.2	4.3	4.5	6.6	17.0	19.3	22.0	20.9	14.8	7.2	5.0	-0.1	-0.2	-0.5	-1.5	-1.0	5.9
16	-1.2	3.4	0.3	3.1	2.3	2.2	2.2	2.3	6.8	3.8	4.2	5.2	10.1	11.6	15.0	16.1	14.0	16.8	11.7	7.5	3.2	-2.4	-3.6	-3.6	5.4
17	-2.7	0.3	1.5	2.2	1.5	2.4	3.8	3.0	2.9	3.7	3.3	1.4	5.3	12.9	16.8	16.8	13.9	11.6	7.2	2.3	-1.6	-4.3	-3.3	-2.2	4.1
18	-2.6	-0.7	1.1	0.4	-1.3	4.8	6.9	6.6	6.5	-0.8	6.6	6.3	9.8	12.0	23.7	24.0	14.9	19.0	10.3	1.3	-1.9	-3.9	-1.8	-2.7	5.8
19	-3.2	-2.5	-1.7	0.6	2.6	2.3	1.4	1.2	2.3	3.1	5.8	6.9	10.1	12.6	13.4	13.0	13.2	10.0	6.2	2.7	1.0	-0.7	-1.0	-0.7	4.1
20	-1.0	-2.6	0.3	1.1	3.7	1.8	1.1	-3.2	4.6	7.1	7.2	8.6	10.1	13.4	16.3	16.1	18.0	14.2	12.4	0.3	-1.7	-5.5	-6.6	-1.0	4.4
21 D	-12.6	-8.6	-8.5	-2.3	-0.7	1.2	-2.0	1.2	5.9	6.1	3.9	-20.5	20.7	30.9	15.8	22.0	23.8	17.0	5.2	8.1	0.2	14.1	29.6	13.2	6.8
22 D	9.1	3.1	11.7	-17.5	-17.3	-7.6	-21.3	11.0	22.4	3.2	1.2	17.1	31.9	36.5	29.0	17.1	12.1	16.9	10.3	4.6	0.3	-1.1	-5.6	-5.1	6.7
23	2.1	4.5	4.8	2.5	2.8	3.9	3.8	3.7	3.7	5.2	6.2	6.4	6.6	10.8	13.7	15.7	17.1	11.8	9.2	3.8	2.5	1.3	-2.7	-3.3	5.7
24	-0.4	2.1	3.2	4.7	4.8	4.8	5.2	2.8	3.6	4.6	5.2	6.1	9.3	12.1	13.9	14.2	15.3	12.5	8.9	6.4	1.7	0.9	0.8	1.6	6.0
25	1.3	1.9	4.3	4.6	4.2	3.8	4.6	7.7	7.8	3.3	-2.8	-3.7	9.5	11.8	13.8	16.7	14.8	12.5	6.2	3.5	1.7	3.3	1.3	0.8	5.5
26	0.8	3.1	3.4	3.6	3.7	4.2	4.3	4.3	4.4	4.3	2.9	4.1	8.1	10.8	14.1	16.0	13.3	8.2	4.5	4.4	-1.4	-2.5	-1.8	-1.1	4.8
27	1.4	3.7	5.3	6.2	5.7	1.3	3.7	15.0	12.7	9.2	2.4	7.1	16.7	17.5	15.2	16.1	15.0	10.3	7.7	6.1	4.2	1.9	-0.1	0.4	7.7
28 Q	1.7	2.9	4.4	5.2	4.3	3.6	3.3	2.5	2.6	1.9	7.8	4.3	5.5	15.1	18.4	20.0	18.2	15.0	9.3	5.3	1.4	1.1	-0.6	0.6	6.4
29 D	1.1	-1.6	-4.6	3.3	-7.8	-14.5	3.3	1.6	9.1	9.3	8.3	7.7	8.2	17.1	19.9	17.9	15.9	14.1	9.3	4.8	1.4	-0.7	-0.8	0.5	5.1
30 Q	3.2	4.5	5.5	4.2	5.7	8.3	1.4	3.2	3.2	3.3	3.5	5.7	9.1	11.3	12.3	13.0	13.1	12.1	8.2	1.2	-2.5	-4.4	-5.5	-3.2	4.9
31																									
Mean	0.2	2.0	2.7	3.3	3.3	4.4	3.4	4.2	6.2	6.3	4.7	4.3	9.7	13.2	15.2	15.4	14.3	11.8	7.1	3.6	0.5	-0.3	-0.3	-0.6	5.6

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 18 Meanook

z = 58,000 γ +

June 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	831	808	779	787	810	777	767	732	635	538	602	690	519	732	723	716	714	735	743	748	754	758	761	774	726
2 D	788	826	789	779	790	768	762	743	456	465	675	611	606	605	557	630	698	713	736	754	755	754	756	755	699
3	765	768	767	778	766	704	691	638	605	571	680	737	752	756	756	748	747	738	735	736	740	747	757	766	727
4	765	765	768	789	756	734	768	747	684	654	658	693	648	649	722	735	731	731	725	730	736	738	744	756	726
5	755	753	751	774	770	766	765	702	592	621	626	689	726	744	736	736	736	738	737	733	735	735	742	746	725
6	748	752	767	767	754	755	743	698	684	731	742	743	740	711	686	712	722	717	690	708	735	746	744	744	731
7	736	737	734	736	745	734	638	681	561	499	494	634	691	691	572	625	692	713	725	747	756	767	767	757	685
8	778	853	767	758	757	694	545	616	626	629	606	623	689	715	724	736	745	738	735	736	747	757	769	760	713
9	748	747	747	747	748	749	748	734	688	703	737	738	744	736	724	735	736	736	736	741	743	751	751	754	738
10 Q	757	761	755	753	750	735	704	726	711	713	712	657	682	729	744	746	746	745	735	733	737	742	749	752	732
11 Q	755	757	753	748	746	749	749	748	746	746	746	748	749	748	742	740	737	733	730	728	735	742	749	754	745
12	753	758	756	762	776	725	763	762	751	748	674	594	627	659	671	722	735	739	746	742	743	749	755	755	728
13 Q	758	758	754	750	750	750	748	748	745	719	726	748	748	735	735	741	741	739	737	736	737	729	748	761	744
14	764	760	759	757	757	757	758	753	739	693	746	757	757	757	756	757	752	740	729	732	740	745	747	755	749
15	760	769	760	766	763	768	770	752	732	726	746	728	705	703	726	729	737	738	732	726	738	750	763	770	744
16	798	847	807	771	757	749	747	749	736	738	726	742	740	738	728	717	727	736	728	728	740	750	767	770	751
17	760	769	772	803	771	773	757	743	738	738	740	727	677	726	749	746	738	728	726	727	732	741	760	770	746
18	776	777	760	760	744	751	733	711	683	627	631	640	704	704	737	730	738	729	732	728	742	784	844	823	733
19	782	770	776	803	810	809	772	749	745	732	701	716	740	758	757	758	756	755	749	747	749	759	773	773	760
20	771	781	771	782	802	772	750	629	705	731	738	754	756	750	750	746	739	726	721	724	734	740	750	766	745
21 D	822	869	845	846	812	717	791	771	738	727	744	830	899	758	742	760	741	705	724	780	844	890	868	793	792
22 D	674	726	603	724	664	684	662	881	523	850	838	570	402	447	564	674	729	755	790	785	783	793	779	792	696
23	853	841	797	767	756	756	753	753	751	756	759	760	749	740	727	745	753	746	745	745	751	770	779	785	764
24	805	797	784	781	773	740	745	756	752	740	738	740	753	763	760	757	753	753	751	760	763	763	762	772	761
25	765	767	767	762	763	762	758	740	714	663	541	587	693	727	731	734	737	738	726	737	749	769	789	803	730
26	814	791	770	758	753	754	749	749	749	750	749	739	754	760	744	736	728	716	725	727	732	738	746	749	749
27	750	758	758	760	770	766	684	566	618	685	587	642	638	651	727	759	763	759	758	758	759	762	762	768	717
28 Q	769	769	767	770	776	785	780	769	757	737	705	678	724	725	740	750	752	756	757	756	759	769	778	791	755
29 D	804	804	854	779	744	597	765	872	796	739	693	727	736	738	758	762	750	749	745	753	758	766	769	779	760
30 Q	778	774	768	766	768	746	756	758	758	758	759	763	764	761	758	758	756	755	749	751	757	758	759	768	760
31																									
Mean	773	780	767	769	763	744	737	732	691	691	694	700	704	714	718	731	738	737	737	741	749	759	766	769	738

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 19 Meanook

H = 12,000 γ +

July 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	1057	1080	1072	1057	1072	1003	869	945	1017	1017	969	927	1057	1090	1084	1075	1033	1028	1025	1032	1041	1041	1039	1047	1028	
2	1047	1048	1062	1049	1057	1029	1049	1011	1104	1057	1064	1057	1066	1072	1072	1046	1021	1047	1025	1035	1038	1041	1056	1063	1051	
3	1057	1057	1064	1063	1063	1064	1065	1008	1025	1071	1025	743	949	1048	1035	1046	1033	1043	1053	1055	1052	1031	1038	1049	1031	
4	1054	1062	1053	1056	1056	1054	1057	1066	1068	1072	1050	1048	1080	1086	1087	1076	1055	1047	1048	1046	1061	1079	1106	1150	1067	
5 D	1190	1395	1436	1317	1051	939	814	909	746	793	838	698	767	935	984	978	1042	1069	1067	1048	1052	1073	1081	1060	1012	
6	1066	1076	1076	1084	1062	1044	1053	1026	1034	1039	1020	1009	1028	1044	1034	978	924	986	1078	1072	1051	1035	1036	1042	1037	
7	1018	1106	1149	1081	1058	1035	1010	947	1042	1033	956	989	996	1011	993	1040	1042	1049	1038	1046	1052	1054	1049	1045	1035	
8	1055	1050	1064	1062	1048	1050	1055	994	837	983	1040	1030	1015	1041	1042	1033	1034	1029	1031	1021	1033	1027	1044	1050	1028	
9	1055	1061	1069	1086	1057	1072	864	1020	1058	1021	1022	1018	1048	1051	1047	1042	1015	1045	1044	1040	1026	1015	1026	1028	1035	
10	1058	1073	1072	1081	1066	1054	914	587	929	882	669	759	880	1048	1060	1021	985	1026	1018	1008	1007	1021	1024	1036	970	
11 Q	1048	1079	1077	1063	1069	1045	1049	1046	1036	1041	1042	1051	1053	1059	1069	1062	1048	1044	1026	1033	1026	1034	1049	1056	1050	
12 Q	1035	1049	1059	1061	1058	1057	1063	1033	935	758	1007	1059	1074	1081	1080	1066	1048	1029	1026	1019	1018	1026	1031	1035	1029	
13 D	1050	1058	1065	1059	1062	1064	1066	1058	1056	1039	972	895	838	1121	524	554	1090	963	920	1023	1094	1049	1120	1238	999	
14 D	1204	1152	1105	1019	1088	1048	1011	1035	751	579	329	386	493	266	612	525	613	822	850	1042	1146	1139	1082	1135	851	
15	1161	1155	1192	1163	1018	680	744	793	884	878	877	862	898	925	943	990	1019	1033	1057	1033	1053	1232	1286	1371	1010	
16	680	790	790	1109	1065	1073	1028	1026	1040	933	951	1017	1002	969	952	1037	1019	1002	987	1018	1011	1009	1022	1044	1054	
17	1080	1062	1053	1067	1057	1051	1054	1055	1045	1018	853	792	745	752	1019	1082	1073	1042	1018	1000	1018	1160	1131	1241	1020	
18 D	1415	1417	1233	1320	1193	800	813	1036	767	895	978	708	324	294	270	556	492	634	914	1063	1140	1256	1355	1418	929	
19	1484	1357	1396	1319	1092	1045	1012	1010	1002	1006	1015	1018	1024	1004	1034	1022	1003	1004	1003	1011	1004	995	1022	1011	1079	
20	1018	1027	1035	1028	1074	1035	1036	1015	1004	1048	1042	1042	1045	1048	1049	1050	1034	1020	1026	1033	1026	1050	1058	1106	1039	
21	1082	1218	1307	1268	1095	1051	1048	311	677	859	801	843	647	629	656	623	926	924	976	1030	1043	1048	1048	1048	923	
22	1056	1054	1058	1043	1041	1077	1060	840	780	1026	1065	1040	1059	1024	962	1022	1055	1051	1036	1033	1024	1018	1026	1033	1020	
23	1032	1033	1040	1044	1039	1036	1043	1048	1049	1049	995	1050	1057	1011	938	918	1034	1030	1034	1037	1029	1031	1054	1074	1029	
24	1089	1074	1073	1087	1086	971	1040	1044	956	689	792	885	870	1028	1066	1042	1074	1069	1065	1059	1044	1042	1050	1073	1011	
25	1076	1160	1207	1238	1278	1167	1011	1006	911	855	862	1062	1023	1050	1064	1057	1058	1051	1042	1034	1026	1027	1033	1074	1057	
26	1096	1058	1072	1093	1049	1045	1056	1043	1049	1003	923	1001	1001	1005	1041	1065	1053	1032	1029	1033	1034	1039	1096	1111	1043	
27 D	1143	1103	1097	1102	1112	1136	1110	1071	481	473	538	701	876	997	995	1035	939	930	916	986	1117	1276	1127	1064	972	
28	1035	1072	1033	1041	1036	1017	985	1006	947	946	1049	1046	1033	1033	1021	991	1018	1006	1018	1018	999	1025	1025	1032	1018	
29 Q	1026	1025	1041	1047	1047	1035	1010	987	995	1014	1041	1052	1044	1034	1042	1044	1038	1032	1034	1033	1025	1018	1027	1037	1030	
30 Q	1041	1046	1031	1048	1054	1060	1041	995	1029	995	987	1003	1038	1040	1046	1047	1033	1025	1020	1029	1037	1025	1033	1039	1031	
31 Q	1034	1042	1044	1045	1044	1048	1049	1048	1048	1050	1047	1019	1017	1042	1056	1049	1036	1026	1015	1003	1018	1025	1024	1042	1036	
Mean	1105	1114	1117	1103	1072	1029	1003	968	945	939	930	929	937	962	964	973	996	1004	1014	1031	1043	1063	1071	1092	1017	

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 20 Meanook

D = 24° E + ...'

July 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	0.2	2.7	6.2	6.1	5.1	0.2	5.5	19.2	17.1	9.1	8.2	6.4	9.2	12.6	16.1	19.4	18.0	12.2	6.9	-0.1	-5.3	-7.6	-4.5	-0.1	6.8
2	2.5	3.7	4.7	3.9	4.3	4.6	3.5	13.4	6.5	3.5	5.7	7.5	11.2	13.2	14.0	15.6	9.3	10.2	6.7	-0.9	-3.0	-0.9	0.4	2.4	5.9
3	2.2	3.0	2.9	2.7	1.7	2.7	9.2	11.3	8.2	6.9	4.5	8.6	15.7	19.0	16.1	16.0	12.5	9.7	7.5	6.5	3.4	-1.7	-3.3	-2.5	6.8
4	0.0	0.2	2.5	3.8	3.3	3.2	1.4	1.5	5.0	6.3	6.4	8.2	14.1	15.3	15.1	15.3	6.5	7.5	4.1	4.1	3.9	5.7	9.7	6.7	6.7
5 D	10.9	-2.4	-17.1	-8.4	2.8	9.1	-4.5	0.3	-9.3	16.0	12.6	3.8	12.0	11.2	13.4	15.1	12.9	11.2	11.0	3.3	3.1	4.0	3.3	1.4	4.8
6	6.1	4.1	5.3	19.9	2.5	1.5	5.5	13.6	8.4	3.4	2.4	4.2	6.3	9.2	10.3	11.2	9.9	2.6	5.3	6.4	5.7	2.3	2.3	1.6	6.2
7	3.8	4.5	8.6	4.1	3.1	2.6	1.6	2.8	4.7	5.3	-1.2	0.4	5.9	10.6	10.2	12.7	14.5	10.0	8.9	5.4	2.7	1.5	1.3	2.1	5.3
8	3.4	4.9	6.5	9.7	4.6	1.8	12.0	9.9	17.7	23.2	4.1	7.1	11.4	11.6	12.9	13.2	9.7	8.2	1.9	0.4	0.9	0.8	2.4	2.9	7.6
9	3.6	2.2	2.9	6.1	12.2	8.9	-6.5	13.5	6.3	2.2	5.5	3.3	9.9	11.3	14.7	16.0	13.4	14.3	10.0	6.2	3.2	1.1	2.1	2.3	6.9
10	3.0	4.2	5.5	4.4	21.2	7.4	10.2	6.5	2.4	0.1	21.2	7.3	13.2	10.9	12.7	18.8	15.2	16.2	11.2	6.0	1.3	2.1	-0.4	-0.4	8.3
11 Q	3.0	5.2	7.9	5.5	3.8	6.0	6.0	6.2	6.4	3.3	4.5	6.6	7.8	14.1	16.5	17.6	18.5	19.0	10.8	2.5	0.5	-1.6	-0.9	0.2	7.1
12 Q	1.5	3.0	4.2	3.6	3.5	3.3	14.3	17.2	13.5	5.0	7.4	7.6	10.8	12.7	13.3	14.8	13.7	14.0	8.7	2.5	-0.5	-2.3	-3.5	-2.3	6.9
13 D	0.5	2.5	3.6	3.5	2.9	2.4	0.2	0.0	1.1	0.3	-4.5	-5.3	15.2	34.9	32.5	80.9	27.9	32.7	14.4	3.0	-3.8	-5.4	3.3	10.4	10.6
14 D	2.1	3.4	0.6	-0.5	4.5	4.4	1.4	4.3	-5.5	15.5	-31.6	39.5	8.1	4.4	15.6	23.2	7.8	22.9	19.0	8.4	18.1	10.2	5.5	5.0	7.8
15	9.5	4.4	3.0	2.5	0.6	0.6	-9.3	13.5	5.7	3.5	6.3	4.6	2.5	9.4	10.3	9.4	12.3	9.8	9.3	8.4	14.5	20.1	17.8	11.4	7.5
16	1.1	-21.0	-17.1	2.4	3.4	4.5	-4.2	-0.9	-2.5	-1.5	-4.1	2.9	7.6	12.3	11.1	14.0	20.9	20.1	8.3	-2.5	-7.3	-6.0	-2.8	-0.5	1.6
17	-0.3	3.4	5.2	4.6	10.5	6.3	4.4	2.5	2.5	1.5	-2.7	-5.8	17.6	22.1	23.3	20.9	24.2	23.4	19.8	23.0	-10.2	-1.7	-4.3	-9.7	7.5
18 D	-7.9	-5.2	-8.7	3.4	15.2	15.3	-16.2	3.4	4.3	-7.4	-2.3	2.6	-11.3	0.1	36.8	40.5	13.4	10.7	3.3	15.3	17.3	21.4	24.9	20.1	7.9
19	9.3	9.3	-12.2	-18.2	8.3	6.7	3.5	4.3	3.3	3.4	3.6	4.5	5.8	7.2	11.2	13.0	13.1	12.0	8.3	5.4	2.3	-0.2	-0.9	0.5	4.3
20	0.8	1.5	2.5	3.8	5.6	3.8	11.5	4.4	2.3	3.6	4.5	8.4	11.7	14.2	18.6	18.9	20.8	18.2	19.5	9.6	-2.0	-10.3	-7.3	-6.1	6.6
21	-4.8	-11.6	1.5	6.6	11.6	-18.4	-8.4	-7.5	12.3	6.9	13.7	5.4	21.6	3.4	1.1	4.6	10.6	7.1	4.2	4.4	2.9	2.0	2.6	2.9	3.1
22	0.9	2.3	2.8	3.0	2.7	2.4	19.2	9.1	17.5	12.5	3.5	6.5	8.8	8.3	10.8	13.0	11.9	11.3	6.8	1.7	0.8	1.3	1.4	1.3	6.6
23	1.7	2.0	2.5	3.2	3.6	3.6	2.8	2.5	3.0	5.1	12.9	5.0	10.2	14.3	15.3	6.2	9.6	16.0	4.4	3.5	3.0	2.7	3.7	1.6	5.8
24	2.2	3.9	5.2	3.6	12.8	3.4	10.1	5.1	5.4	26.2	9.1	2.8	3.6	13.8	17.4	15.2	15.2	11.0	7.4	3.4	2.6	1.8	1.4	3.2	7.7
25	3.7	4.2	10.7	-3.2	1.6	7.2	17.0	7.5	5.2	20.1	7.1	4.0	5.0	15.8	19.6	19.5	16.6	11.6	5.0	1.5	-1.6	-3.4	-3.8	-1.4	7.1
26	2.7	4.6	5.1	10.9	9.6	3.4	2.9	3.4	2.7	0.8	-9.3	6.4	6.6	11.5	16.4	15.7	13.9	9.2	4.3	3.7	7.4	-1.5	-3.8	-11.6	4.8
27 D	-2.9	-5.8	-1.4	-4.4	-0.4	11.1	1.1	7.4	-128.8	-15.7	42.8	21.4	36.7	36.8	26.9	23.0	25.1	18.0	11.4	-4.4	17.3	21.3	3.5	-4.4	1.5
28	-4.8	3.8	7.8	11.5	6.4	4.5	10.6	3.0	-2.6	2.9	5.0	6.5	10.7	14.5	18.1	15.8	16.2	10.7	7.6	4.2	0.7	-1.0	-1.2	1.5	6.4
29 Q	3.8	3.6	4.4	3.9	15.3	7.4	3.5	1.4	-0.5	-1.5	2.1	5.5	7.6	12.8	17.4	18.2	17.5	12.8	6.6	2.1	-1.2	-1.0	-1.4	-1.1	5.8
30 Q	0.3	0.6	1.9	2.1	3.0	5.4	7.7	2.7	8.6	2.2	-0.6	3.4	12.0	17.1	19.2	19.1	13.2	8.6	5.4	4.4	3.8	-0.1	0.2	1.2	5.9
31 Q	3.1	3.6	3.2	2.6	2.8	3.4	3.8	4.8	4.5	7.7	4.4	0.6	3.2	10.2	15.1	17.2	15.0	11.8	7.4	0.5	-2.4	-1.4	-2.0	-1.7	4.9
Mean	2.0	1.5	2.0	3.3	6.1	4.1	3.9	6.0	0.8	2.3	4.6	6.1	10.0	13.4	16.2	18.5	15.1	13.3	8.7	4.5	2.5	1.6	1.3	1.3	6.2

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 21 Meanook

$z = 58,000 \gamma +$

July 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	769	780	795	803	802	737	640	636	693	701	639	652	715	769	768	765	757	753	758	758	757	757	761	769	739	
2	775	775	771	771	777	703	726	721	638	735	758	758	758	756	751	739	727	731	730	737	738	748	758	768	744	
3	768	759	756	757	756	759	759	650	703	754	731	510	606	704	727	739	740	730	742	746	752	750	757	757	726	
4	758	757	758	764	764	764	757	755	742	746	733	715	736	749	751	748	745	737	736	737	746	768	813	888	757	
5 D	912	834	702	737	662	725	778	736	780	713	767	771	662	635	693	703	753	767	759	759	767	789	795	783	749	
6	794	779	797	780	780	769	769	724	700	738	716	737	750	757	748	724	680	693	735	738	748	749	758	769	747	
7	780	802	785	801	779	689	640	530	697	723	665	684	703	705	714	741	748	746	742	743	746	748	751	748	725	
8	756	761	777	794	766	753	710	618	527	546	689	719	704	717	716	715	720	731	735	733	740	750	772	785	718	
9	789	763	757	780	781	783	508	693	761	727	685	693	737	757	750	749	728	733	749	739	739	749	758	763	736	
10	772	790	792	809	748	759	691	649	662	582	595	630	618	737	764	737	695	713	723	728	733	751	759	754	716	
11 Q	766	780	794	778	775	759	742	745	735	732	742	754	752	749	751	748	744	748	737	743	746	750	769	781	755	
12 Q	787	784	769	757	758	754	737	685	596	644	682	743	768	764	753	746	738	737	742	741	742	752	757	759	737	
13 D	816	768	768	768	769	770	769	758	749	727	628	559	401	652	384	347	738	703	704	768	810	791	835	899	701	
14 D	889	876	857	801	813	791	761	769	779	651	751	1205	1225	807	943	822	648	730	697	801	824	816	823	846	830	
15	844	845	830	797	767	798	758	670	705	737	704	702	650	636	670	727	761	770	790	784	827	930	902	888	771	
16	768	714	782	813	799	790	775	772	764	704	692	761	758	730	725	761	758	754	751	759	769	768	758	770	758	
17	802	818	814	813	757	710	758	775	767	737	554	501	422	454	646	787	791	770	761	777	810	902	835	854	734	
18 D	878	814	868	820	749	563	860	808	715	686	705	780	715	223	478	834	739	761	758	869	910	922	858	829	756	
19	679	761	767	769	824	794	780	779	769	759	761	768	771	761	772	775	769	758	750	754	762	768	776	779	767	
20	769	761	764	761	793	770	727	768	739	769	774	769	769	764	759	758	758	749	753	753	745	748	767	821	763	
21	794	834	750	768	719	783	791	539	661	636	622	587	578	547	594	632	704	736	750	789	787	783	769	764	705	
22	759	767	769	770	762	780	724	611	533	702	755	749	771	743	682	718	748	751	748	748	749	754	762	771	734	
23	768	762	757	758	756	751	748	746	742	723	569	665	717	699	598	596	686	726	728	745	750	764	801	822	724	
24	823	830	820	820	780	674	759	749	660	529	658	656	639	717	754	749	754	750	749	739	739	756	768	790	736	
25	802	846	822	857	863	761	619	692	652	573	710	753	745	746	750	746	753	752	748	748	750	759	754	770	749	
26	809	804	804	843	804	791	781	769	758	685	586	653	701	728	737	759	759	760	659	766	770	811	816	851	763	
27 D	845	825	827	814	815	729	738	744	856	814	1043	1000	889	796	828	793	756	758	794	810	804	851	786	782	821	
28	805	846	820	804	803	760	704	744	655	629	759	782	782	786	781	770	769	765	760	770	781	781	775	770	767	
29 Q	771	776	781	794	791	779	749	736	711	717	738	770	775	771	760	768	763	757	744	749	759	759	760	772	760	
30 Q	781	788	783	776	781	771	721	651	693	651	647	696	729	745	749	749	744	739	737	738	756	767	769	770	739	
31 Q	768	764	764	760	760	760	760	759	747	738	740	693	705	728	749	757	757	756	757	757	760	762	766	771	752	
Mean	792	792	787	788	776	751	734	709	706	694	703	723	718	704	717	732	740	744	746	759	768	782	784	795	748	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 22 Meanook

H - 12,000 γ +

August 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	1053	1057	1072	1065	1056	1051	1054	1050	1050	1053	1055	1053	1057	1062	1059	1057	1050	1025	1000	1002	1003	1014	1036	1057	1046	
2 D	1182	1246	1103	1143	1421	1019	518	837	629	774	839	872	756	711	963	1012	1010	1018	1025	1002	1039	1061	1072	1080	972	
3	1088	1070	1058	1062	1112	1050	883	955	758	932	1056	1039	885	979	1039	1025	1048	1034	1020	1032	1040	1024	1075	1087	1015	
4 D	1126	1134	1144	1044	1047	1033	1004	977	948	1010	872	969	1041	1014	1013	1025	1034	1034	1017	1020	1025	1031	1033	1029	1026	
5	1033	1043	1047	1040	1050	1045	1041	1032	987	871	853	992	1042	1049	1034	1048	1028	1025	1024	1025	1033	1034	1052	1038	1019	
6	1035	1042	1049	1053	1043	1049	1047	1044	1039	1041	1041	1043	1033	1024	1033	1033	1021	1017	1010	1010	1023	1036	1021	1040	1034	
7 Q	1038	1045	1048	1050	1048	1049	1047	1049	1048	1055	1050	1050	1021	1042	1057	1049	1032	1017	1011	1009	1011	1019	1034	1032	1038	
8	1047	1048	1049	1065	1065	1074	1007	1072	986	766	827	861	1010	1043	1043	1061	1039	1018	1001	971	1025	1049	1050	1057	1010	
9 Q	1056	1057	1057	1052	1056	1057	1056	1059	1049	1047	1049	1049	1032	1018	1050	1048	1032	1015	1017	1017	1020	1026	1040	1045	1042	
10	1057	1071	1052	1058	1077	1104	1013	634	659	791	835	835	813	823	773	980	1024	1032	1052	1056	1040	1034	1048	1064	955	
11 D	1122	1136	1127	1244	1096	1056	1063	1064	997	875	884	873	428	727	938	1024	1064	1035	1044	1063	1038	1047	1088	1064	1004	
12	1054	1032	1032	1068	1064	1064	1067	1042	1047	1046	1046	1048	1049	1048	1030	1023	1022	1009	1009	1017	1013	1039	1032	1046	1039	
13 Q	1049	1078	1040	1040	1047	1049	1048	1048	1052	1055	1049	1049	1052	1052	1050	1040	1024	1009	1002	1009	1016	1021	1032	1042	1040	
14	1046	1048	1048	1047	1048	1048	1055	1055	1053	1056	1056	1054	948	1050	1064	1046	994	1016	1026	1025	1013	1016	1033	1040	1037	
15	1048	1043	1049	1049	1049	1063	1024	879	1033	1063	1049	1048	1063	1056	1048	1024	1024	1002	1009	1002	1007	1005	1024	1056	1030	
16	1061	1061	1062	1056	1049	1046	1047	1046	1042	1047	1047	1049	1049	1056	1056	1040	1035	1035	1019	1004	1002	1016	1042	1032	1042	
17	1042	1043	1052	1059	1051	1052	1056	1056	1060	1024	970	1040	1078	1079	1075	1063	1034	1013	1003	1006	1014	1024	1032	1043	1040	
18	1047	1049	1046	1049	1055	1059	1058	1056	1063	1063	1062	1069	1075	1083	1076	1064	1046	1025	1024	1023	1024	1025	1038	1047	1051	
19	1049	1062	1056	1055	1063	1046	984	926	1005	929	853	860	1007	1010	1040	1063	1056	1040	1031	1024	1020	1033	1042	1045	1012	
20	1047	1047	1044	1047	1055	1049	1048	1049	1047	1048	1009	1012	1034	1049	1017	1024	994	1001	1028	1027	1016	1024	1038	1043	1033	
21	1052	1060	1055	1050	1051	1055	1060	1059	1049	1048	1048	1025	1044	1056	1058	1040	1017	1012	1009	1017	1031	1039	1049	1053	1043	
22 Q	1056	1054	1047	1050	1053	1055	1056	1056	1056	1056	1056	1056	1056	1060	1055	1040	1025	1023	1027	1032	1033	1040	1049	1049	1047	
23 Q	1049	1049	1047	1051	1053	1052	1057	1048	1048	1059	1055	1045	1051	1055	1049	1040	1025	1014	1010	1016	1028	1038	1048	1056	1044	
24	1060	1056	1051	1055	1056	1056	1060	1063	1064	1064	1068	1071	1071	1071	1063	1056	1034	1008	1018	1020	1038	1042	1054	1075	1053	
25	1064	1060	1045	1056	1060	1062	1065	1070	1066	1052	1063	1056	1055	1038	1024	1031	1024	1004	1006	1016	1033	1046	1032	1031	1044	
26	1048	1066	1062	1064	1056	1060	1064	1071	1052	965	1056	1067	1071	1078	1071	1056	1037	1013	1004	1017	1020	1034	1050	1078	1048	
27	1049	1046	1056	1047	1049	1056	1027	1017	1062	1060	1056	1056	1056	1055	1053	1038	1038	1025	1024	1017	1018	1028	1039	1049	1043	
28	1049	1055	1066	1051	1054	1055	1054	1053	1055	1054	1046	1048	1047	1055	1055	1043	1023	1000	995	999	1008	1008	1030	1049	1040	
29	1058	1058	1055	1053	1054	1055	1055	1055	1055	1055	1056	1056	1050	1057	1055	1055	1035	1015	975	961	1005	1055	1061	1078	1045	
30 D	1099	1125	1110	1048	1039	1047	1046	1048	1019	950	582	458	471	823	890	899	890	959	1047	1038	1037	1057	1094	1111	954	
31 D	1088	1180	1235	1116	885	943	938	523	799	1021	1070	1014	993	983	969	1037	1037	1035	1023	1026	1029	1055	1051	1077	1005	
Mean	1063	1072	1067	1064	1063	1050	1019	1000	996	998	989	994	982	1010	1026	1035	1026	1017	1016	1016	1023	1033	1046	1055	1027	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 23 Meanook

D = 24° E + ...'

August 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	-0.2	1.8	2.8	10.5	3.5	2.5	3.1	3.6	2.7	3.1	5.2	5.9	7.9	11.8	13.1	12.1	12.2	8.4	7.3	3.1	-3.7	-6.5	-4.2	-3.2	4.3	
2 D	-6.3	0.2	-7.2	-9.1	7.6	-5.1	-5.4	3.9	2.6	16.5	16.4	9.8	7.1	9.4	14.2	14.0	14.4	10.1	5.9	0.3	-3.7	-2.4	1.9	3.5	4.1	
3	4.3	5.2	4.6	12.4	1.6	-0.3	1.9	4.6	-9.9	0.8	7.9	2.6	-5.1	4.1	14.7	15.4	16.8	12.9	6.6	5.9	1.6	-0.9	2.6	5.0	4.8	
4 D	1.6	16.4	6.5	1.7	3.0	11.4	4.2	8.0	-1.5	0.9	-3.0	-3.0	5.6	10.6	11.5	11.4	10.2	9.0	5.5	3.5	0.1	-0.7	-0.6	-0.4	4.7	
5	1.6	2.5	3.7	4.5	8.4	13.3	5.5	2.5	4.4	19.3	4.3	11.5	11.6	12.9	13.4	13.1	12.0	9.9	5.8	0.0	-1.4	-3.1	1.5	2.0	6.6	
6	3.1	4.1	2.8	2.9	1.6	1.9	2.1	4.4	5.5	5.8	6.3	8.4	8.4	13.1	12.3	12.3	10.0	7.5	4.0	-2.3	-4.1	-2.2	-1.2	1.2	4.5	
7 Q	3.1	4.4	4.6	4.3	3.4	3.1	3.6	4.5	5.2	5.3	6.7	5.7	4.3	11.4	14.0	14.4	13.0	9.5	6.4	0.6	-1.6	-0.4	-0.4	1.3	5.3	
8	1.7	2.1	2.6	2.7	1.8	3.6	19.4	6.7	4.5	7.9	17.8	4.3	4.5	11.7	16.5	15.3	12.5	11.2	8.9	-13.1	-8.2	-4.7	-2.1	-0.4	5.3	
9 Q	3.3	5.1	6.6	5.2	2.6	8.4	7.8	4.5	3.0	4.0	5.1	4.5	6.9	8.8	14.3	14.4	13.4	11.0	7.1	1.4	-1.7	-1.6	-1.0	0.7	5.6	
10	0.5	2.4	5.4	4.0	4.6	7.1	6.5	12.4	25.3	10.3	9.2	19.6	19.3	28.3	13.8	19.2	15.9	10.5	6.5	2.8	-1.2	-1.2	-0.1	0.1	9.2	
11 D	-0.8	4.3	0.8	5.9	9.8	2.4	-0.1	0.2	6.7	15.4	7.5	7.6	6.2	24.8	25.4	19.0	17.3	12.5	3.5	-2.3	-6.2	-6.5	-5.3	-3.3	6.0	
12	-0.9	-0.4	1.8	2.6	3.6	1.4	2.7	2.3	1.2	2.1	3.5	5.1	7.7	9.8	11.5	14.3	14.6	16.2	8.3	4.5	-4.5	-7.2	-5.7	-3.3	3.8	
13 Q	-1.9	0.1	0.7	0.1	0.6	0.8	1.6	2.2	2.6	1.6	2.7	4.1	6.5	10.0	13.7	15.7	15.5	12.5	6.7	1.2	-3.4	-5.1	-5.1	-3.9	3.3	
14	-1.4	0.2	0.8	0.8	1.6	2.2	2.5	2.8	5.1	3.5	2.6	1.7	-1.4	19.2	22.7	23.2	22.7	3.9	-0.4	-3.3	-6.0	-5.5	-4.3	-2.5	3.8	
15	-0.3	1.7	1.8	0.6	0.9	0.9	25.0	20.2	8.5	2.2	2.9	5.2	9.4	14.2	16.5	17.5	13.2	8.4	1.6	1.6	0.8	-0.4	-0.4	-0.5	6.3	
16	3.9	3.5	3.4	5.2	13.3	7.2	2.9	3.5	3.5	4.1	4.5	5.8	8.5	12.5	16.1	18.7	18.2	12.9	7.6	2.1	-0.6	-2.5	-3.4	12.3	6.8	
17	0.6	3.5	4.0	3.5	3.4	3.4	3.6	5.7	5.3	0.1	-3.4	3.5	11.9	13.4	15.3	16.8	17.3	14.9	6.8	-0.4	-2.5	-4.3	-2.8	-0.2	5.0	
18	2.6	3.4	3.5	4.1	4.5	4.5	4.7	6.1	5.5	4.2	4.7	6.5	9.0	12.6	15.7	16.8	17.0	10.7	6.5	1.6	-0.6	-0.6	-0.4	0.1	6.0	
19	2.5	5.1	6.5	4.9	5.1	10.4	11.3	14.3	13.2	6.5	8.3	23.0	9.5	12.6	14.7	18.7	15.5	12.4	6.7	3.1	0.6	-0.3	-0.6	0.8	8.5	
20	2.8	4.4	4.4	4.2	3.0	3.3	3.6	4.0	4.5	4.1	0.6	3.4	7.5	11.0	11.0	14.3	12.9	1.7	-0.6	-1.9	-0.4	-1.5	-1.4	0.7	4.0	
21	2.7	4.4	4.2	3.5	4.5	7.1	8.5	6.5	5.5	4.6	6.6	3.5	7.5	13.1	16.3	17.2	15.5	10.3	4.9	1.1	-1.8	-2.9	-1.7	0.6	5.9	
22 Q	2.6	3.1	4.0	3.5	3.4	3.4	3.5	3.6	4.5	5.6	7.4	7.9	9.8	12.4	13.2	13.2	12.9	9.3	3.1	-1.4	-3.4	-3.1	-1.9	1.2	4.9	
23 Q	2.5	3.0	2.6	2.5	2.6	3.6	2.5	2.4	2.0	4.8	4.9	6.2	8.9	10.9	10.5	10.8	11.4	7.6	2.2	-2.3	-3.5	-3.5	-2.3	0.6	3.8	
24	3.1	3.4	3.0	2.6	3.0	3.1	3.5	3.6	4.4	5.4	6.1	7.3	9.5	13.3	15.9	17.2	14.4	10.9	-0.4	-4.0	-6.3	-5.2	-3.4	-0.9	4.6	
25	2.6	4.1	3.7	2.3	1.6	1.5	3.0	4.6	4.6	8.5	11.6	12.4	11.5	14.4	11.4	9.4	10.4	8.2	4.6	-0.6	-3.2	-5.0	-3.3	-0.3	4.9	
26	2.0	2.6	1.5	2.6	5.1	4.7	6.5	5.3	3.0	-10.1	3.4	8.6	12.0	13.3	16.3	15.3	13.4	9.4	2.6	-0.9	-2.3	-5.3	-2.1	-2.8	4.3	
27	1.6	4.9	3.6	4.5	5.3	5.1	15.3	17.4	3.1	2.2	3.9	6.2	9.1	12.4	14.9	17.0	12.4	8.7	4.3	-0.3	-2.3	-1.4	0.2	1.7	6.2	
28	4.7	5.5	3.9	4.5	2.6	3.4	4.5	5.3	6.1	6.4	5.1	7.9	10.7	15.3	15.5	17.1	15.3	12.1	7.9	3.0	-1.3	-3.9	-2.9	-0.9	6.2	
29	0.9	2.6	3.4	4.1	4.5	4.9	4.6	4.5	4.5	4.7	5.1	7.5	7.3	11.4	13.4	14.5	16.3	15.6	16.0	5.7	-14.4	-4.7	-2.9	-0.1	5.4	
30 D	-2.3	2.5	3.7	13.4	10.2	5.9	4.5	3.7	6.3	20.6	-5.7	1.6	36.9	6.1	20.8	21.1	15.3	4.6	0.1	0.0	-0.2	2.2	1.4	0.4	7.2	
31 D	3.1	5.6	17.0	13.7	1.4	1.6	14.3	-18.8	17.0	10.4	5.8	2.8	1.9	6.5	13.9	16.7	16.6	14.3	6.2	1.3	-2.4	0.1	1.1	3.2	6.4	
Mean	1.4	3.6	3.6	4.1	4.1	4.1	5.7	5.0	5.1	5.8	5.3	6.7	8.7	12.6	14.9	15.7	14.5	10.2	5.2	0.3	-2.8	-2.9	-1.6	0.4	5.4	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 24 Meanook

z = 58,000 γ +

August 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	781	792	818	830	776	763	759	757	757	749	744	750	759	760	760	755	750	746	737	737	742	747	758	771	762	
2 D	814	890	835	827	718	717	727	837	992	760	705	780	685	588	650	730	755	750	747	768	776	791	811	803	769	
3	806	804	781	800	779	769	657	674	522	585	732	751	662	716	757	743	754	758	751	767	770	770	794	814	738	
4 D	815	825	849	814	791	684	618	692	651	715	664	679	741	727	737	750	756	753	754	758	759	769	770	759	743	
5	758	759	764	762	769	750	728	716	651	551	480	618	694	732	719	736	745	746	750	758	760	753	765	764	718	
6	768	759	754	757	752	756	757	757	726	738	720	728	733	721	736	738	742	745	742	742	747	752	752	759	745	
7 Q	752	751	754	757	757	752	751	753	746	746	743	744	717	712	733	747	747	743	743	747	750	754	760	765	747	
8	767	759	758	767	781	785	564	701	694	628	619	706	726	760	738	739	732	739	755	738	750	763	771	770	730	
9 Q	769	770	782	781	789	771	749	770	759	754	756	751	739	712	741	750	749	739	740	747	757	760	770	771	757	
10	779	783	792	797	801	793	760	686	694	741	728	706	706	650	629	681	739	752	771	770	763	763	774	791	744	
11 D	822	878	862	836	836	785	770	760	675	544	625	674	651	641	567	623	714	729	744	747	751	783	804	795	734	
12	772	760	767	793	793	792	770	713	761	759	759	760	760	755	746	742	750	751	750	748	740	740	754	760	758	
13 Q	759	779	772	767	755	755	750	750	748	748	748	750	751	751	751	751	750	748	747	740	739	739	743	748	752	
14	748	745	743	743	743	743	742	741	727	739	748	740	620	706	739	737	727	729	735	740	740	740	738	741	733	
15	748	744	742	742	742	744	716	721	738	740	738	739	741	739	733	725	720	717	728	739	748	750	752	761	738	
16	783	771	769	774	752	750	750	745	738	740	740	744	750	750	750	748	746	740	738	738	735	737	748	750	749	
17	752	751	748	750	748	748	746	742	746	641	541	662	739	752	752	752	752	747	739	743	752	760	763	763	733	
18	760	758	751	750	750	750	748	747	746	728	686	744	760	760	755	750	750	747	744	748	751	756	759	755	748	
19	756	759	764	760	783	769	737	699	699	624	530	614	651	664	725	760	763	759	759	763	760	769	771	760	725	
20	758	758	754	754	753	752	750	750	749	745	665	663	694	727	706	713	706	704	710	734	747	757	764	764	732	
21	758	758	756	756	759	758	728	734	739	739	738	716	717	737	747	740	736	733	729	734	738	741	746	747	741	
22 Q	747	747	747	746	746	746	744	744	744	742	742	743	740	740	739	738	737	732	729	732	731	732	737	740	740	
23 Q	746	747	746	746	746	746	747	732	721	731	728	727	732	738	740	740	739	732	737	738	740	741	741	741	739	
24	744	740	740	740	740	740	740	740	740	740	740	740	741	744	740	740	738	737	737	733	733	737	741	750	740	
25	755	758	749	744	744	750	759	758	742	737	727	740	742	726	720	719	722	724	727	727	732	737	738	740	738	
26	737	739	748	769	778	769	699	748	738	596	692	731	748	748	742	741	738	737	737	742	749	758	779	793	740	
27	809	765	758	750	758	759	725	702	759	757	753	752	749	749	746	739	743	741	740	742	746	749	750	756	750	
28	758	749	756	752	749	749	746	748	742	736	736	733	736	745	748	738	738	737	737	738	740	739	745	748	743	
29	749	748	748	748	744	744	744	744	744	744	744	744	744	739	743	746	746	739	727	732	742	757	759	758	801	747
30 D	838	855	854	814	798	779	763	745	710	523	463	534	520	523	618	636	642	682	747	765	771	801	823	830	710	
31 D	800	818	808	695	534	665	689	437	547	685	752	743	719	709	704	736	748	755	760	765	767	776	780	783	716	
Mean	771	775	773	768	757	753	730	727	724	700	693	716	715	717	723	732	738	738	742	746	750	756	763	768	741	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 25 Meanook

H = 12,000 γ +

September 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1 D	1078	1083	1064	1054	1056	1029	976	1039	996	858	492	929	1068	1062	1050	1016	1031	1033	1015	1017	1015	1055	1098	1073	1008		
2	1047	1049	1045	1052	1051	1047	1046	1016	1019	700	929	996	1018	1038	1036	1035	1032	1022	1020	1030	1044	1049	1065	1067	1019		
3	1052	1053	1052	1054	1061	1031	928	1062	1062	1042	991	1027	1046	1050	1050	1046	1032	1017	1014	1024	1037	1036	1044	1051	1036		
4	1051	1048	1050	1054	1054	1045	1054	1043	1054	1039	1037	974	1011	1059	1052	1036	1024	1017	1023	1029	1040	1046	1057	1046	1039		
5	1069	1060	1061	1047	1051	1054	1044	1032	1052	1050	1036	1036	1008	1017	1001	1020	1020	1007	1009	1017	1025	1034	1053	1058	1036		
6	1067	1054	1050	1056	1054	1050	1048	1050	1050	1053	1052	1050	1041	1062	1051	1040	1014	1001	999	1007	1024	1040	1049	1054	1042		
7 Q	1058	1047	1041	1047	1048	1051	1052	1053	1058	1062	1062	1062	1064	1062	1059	1042	1018	1004	1008	1022	1035	1044	1051	1052	1046		
8 Q	1052	1052	1054	1054	1054	1054	1054	1055	1059	1062	1062	1060	1064	1065	1061	1052	1032	1026	1022	1032	1038	1047	1054	1055	1051		
9	1064	1062	1066	1063	1062	1067	1077	1041	1047	740	991	1052	1050	1061	1062	1044	1022	1014	1026	1030	1046	1055	1042	1054	1035		
10	1061	1049	1048	1053	1054	1053	1051	1053	1053	1058	1055	1060	1060	1051	1042	1031	1014	1010	1013	1017	1017	1035	1046	1065	1044		
11	1046	1052	1055	1057	1061	1061	1065	1057	1068	1062	1058	1020	1019	1071	1067	1049	990	948	967	997	1038	1046	1053	1044	1032		
12	1025	1037	1067	1073	1139	1085	719	872	1057	1049	1005	902	910	1014	1059	1060	1033	1010	1010	1013	1016	1030	1047	1038	1011		
13	1050	1045	1053	1059	1059	1072	1072	1060	1052	1051	1056	1057	1055	1057	1045	1029	1014	1005	1008	1017	1035	1051	1031	1061	1046		
14 D	1059	1055	1055	1058	1100	1116	1103	909	939	1010	1066	1049	667	652	1023	1052	1027	1019	1027	1029	1019	1043	1089	1142	1013		
15	1041	1035	1033	1043	1044	1041	1041	1042	1019	957	827	945	1011	1048	1053	1044	1035	1029	1027	1028	1035	1038	1037	1043	1021		
16	1046	1047	1045	1044	1044	1051	1052	1046	1050	1053	1041	1001	1029	1011	1003	1044	1032	1023	1027	1037	1037	1021	1033	1056	1034		
17	1059	1069	1124	1118	1026	1001	1070	1055	1047	1048	1042	1005	1004	1033	1038	1044	1037	1019	1026	1027	1033	1037	1041	1043	1044		
18	1043	1045	1047	1038	1046	1044	1051	1039	1043	1045	1053	1054	1051	1049	1011	997	1019	1035	1029	1029	1033	1037	1043	1046	1039		
19 Q	1047	1052	1056	1047	1047	1051	1051	1052	1053	1057	1054	1056	1053	1044	1052	1054	1044	1036	1030	1041	1048	1051	1047	1048	1049		
20	1044	1043	1045	1051	1064	1067	1052	1048	1005	1040	1036	1046	1042	1044	1046	1032	1045	1052	1021	1022	1022	1034	1057	1058	1042		
21 Q	1054	1054	1055	1056	1055	1057	1054	1052	1055	1054	1055	1055	1054	1052	1048	1042	1028	1024	1025	1032	1036	1043	1050	1050	1048		
22	1053	1054	1058	1057	1058	1055	1058	1060	1063	1068	1072	1055	1034	1048	1058	1043	1034	1028	1024	1033	1037	1050	1052	1054	1050		
23 Q	1048	1050	1052	1054	1054	1054	1055	1057	1058	1058	1058	1058	1058	1058	1057	1051	1046	1031	1018	1026	1038	1050	1064	1066	1063	1051	
24 D	1058	1059	1061	1061	1061	1058	1057	1046	1005	1010	755	687	1095	1061	949	887	963	946	969	1008	1013	1051	1092	1090	1002		
25 D	1088	1067	1199	1108	1022	1037	397	745	840	748	867	969	769	924	1015	1032	1033	1038	1042	1037	1043	1059	1051	1065	966		
26	1050	1049	1059	1049	1055	1060	1058	1042	980	953	939	929	1010	1040	1013	1000	1005	1009	1021	1018	1047	1048	1058	1073	1023		
27	1072	1065	1045	1075	1059	1019	916	652	619	452	475	444	775	1023	1039	1047	1034	1041	1042	1038	1043	1046	1058	1052	922		
28	1054	1053	1050	1044	1046	1045	1042	1043	1044	1045	1046	1050	1054	1050	1044	1039	1022	1014	1015	1024	1033	1042	1066	1050	1042		
29	1042	1043	1036	1040	1031	1040	1035	1011	1004	1033	1020	1017	1044	1053	1046	1032	1019	1010	1017	1024	1030	1036	1050	1053	1032		
30 D	1044	1045	1051	1046	1060	1061	1044	1040	1036	1041	1040	1025	1013	1010	1054	1047	1040	1032	1025	1028	1028	1052	1209	1586	1069		
31																											
Mean	1054	1052	1059	1057	1056	1052	1011	1013	1016	983	976	989	1006	1029	1039	1033	1024	1024	1018	1025	1033	1036	1060	1076	1030		

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Meanook

D = 24° E + ...'

September 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	5.2	5.1	9.2	6.1	24.1	7.9	28.1	19.6	7.3	16.8	13.7	-0.1	12.4	15.4	15.2	12.2	7.5	8.5	1.7	1.8	-2.3	3.6	2.1	2.9	9.3	
2	1.5	2.6	4.8	10.4	8.3	7.3	2.8	0.3	9.9	-12.3	1.6	12.9	8.2	9.5	11.1	10.4	10.1	8.7	5.2	1.9	0.7	1.0	1.9	2.2	5.0	
3	6.5	3.3	2.9	4.4	23.2	9.2	-3.7	8.5	5.9	4.3	0.7	10.2	13.4	15.0	15.8	15.9	13.9	8.9	2.5	-2.2	-2.6	-1.6	1.6	3.9	6.7	
4	4.6	4.3	3.7	4.3	4.1	6.1	3.4	-1.6	-0.2	2.2	7.5	1.3	9.3	16.0	14.1	13.0	11.2	9.1	3.5	-0.5	1.0	0.8	0.5	1.7	5.0	
5	1.0	14.1	4.6	2.5	4.3	10.1	8.0	7.6	5.2	5.1	4.2	7.4	5.2	10.0	14.5	14.1	9.2	5.4	3.4	-1.0	-2.5	-3.4	-1.7	1.8	5.4	
6	3.6	5.2	6.3	8.6	8.4	5.8	3.8	3.1	3.2	3.3	3.9	4.1	6.1	10.6	13.0	14.9	14.4	8.4	1.8	-0.4	-0.7	0.5	1.6	3.1	5.5	
7 Q	3.8	3.8	2.6	3.0	3.4	3.6	4.1	4.4	8.6	6.5	6.1	6.7	7.8	10.1	12.1	13.2	11.2	8.8	1.6	-2.6	-3.1	-3.2	-1.5	2.6	4.7	
8 Q	4.4	3.6	3.4	3.9	4.0	4.4	4.2	4.7	5.0	6.3	5.8	4.4	7.8	11.3	13.1	14.5	14.7	12.0	7.8	1.3	-1.5	-2.2	-2.2	-0.5	5.4	
9	0.4	0.7	0.7	0.5	1.5	1.5	3.0	5.2	4.4	-2.4	21.9	14.4	16.6	17.2	14.7	12.0	10.6	5.6	2.2	-2.0	-3.4	-2.6	-0.5	1.3	5.1	
10	0.5	1.0	3.4	2.0	3.9	4.1	4.1	4.6	5.5	6.1	6.1	7.1	9.6	12.0	15.0	15.5	14.4	5.6	0.9	-3.4	-7.0	-2.7	0.5	2.7	4.6	
11	5.0	4.6	4.0	3.8	1.5	8.5	3.4	3.7	3.2	5.8	7.1	2.2	9.8	13.3	15.0	14.9	15.3	11.6	1.4	-4.6	-5.0	-2.2	-7.3	-3.9	4.6	
12	-0.2	2.4	3.0	3.3	2.8	-5.9	-2.6	6.0	5.1	5.1	3.9	4.6	18.1	22.8	19.1	15.4	12.6	8.8	3.6	0.5	-1.7	-1.4	0.4	2.7	5.4	
13	1.7	3.3	3.0	2.0	3.4	5.4	5.9	5.6	5.6	6.1	6.6	7.8	9.3	11.6	14.3	15.2	14.7	8.6	-0.8	-6.1	-3.6	-2.7	-2.2	-3.2	4.6	
14 D	-2.4	0.2	2.5	2.2	8.4	8.3	3.8	9.5	16.5	14.2	10.5	10.0	16.8	14.6	13.6	15.2	12.2	6.4	4.8	-0.3	-3.3	-1.7	0.1	-2.4	6.7	
15	2.3	3.3	4.4	5.0	4.3	4.5	4.5	5.8	5.9	13.7	12.5	9.2	19.4	13.2	9.0	9.8	8.8	7.7	5.0	3.6	2.2	2.1	1.7	2.8	6.7	
16	4.7	3.3	4.4	3.7	5.7	11.8	7.4	5.6	5.4	6.6	4.5	0.3	9.3	10.3	6.5	12.9	13.2	8.3	0.2	-1.5	-0.2	-0.8	1.5	2.9	5.3	
17	2.8	0.6	5.4	0.5	0.1	6.9	6.7	7.9	7.6	7.3	6.5	1.0	4.2	8.5	10.2	12.3	12.3	6.9	3.1	0.8	2.0	2.7	3.4	4.2	5.2	
18	4.8	4.7	5.2	5.1	3.7	1.4	4.0	3.6	7.6	7.2	7.2	6.1	6.2	7.7	5.2	2.7	4.4	9.1	8.4	6.3	4.4	3.0	3.4	3.8	5.2	
19 Q	3.7	3.7	4.4	4.4	4.6	4.2	4.2	4.2	4.6	5.4	5.4	6.4	7.4	7.8	10.3	10.1	9.9	8.2	5.8	3.0	2.5	2.5	2.5	1.5	5.3	
20	0.6	-0.3	-0.2	0.7	3.5	4.9	3.6	10.5	9.1	12.1	10.3	10.7	7.3	12.0	12.2	12.1	9.2	4.3	1.0	0.7	-2.2	-4.1	2.2	3.5	5.2	
21 Q	4.3	3.9	3.8	3.7	3.4	3.8	3.9	4.9	6.4	7.1	6.6	7.3	7.4	9.0	11.0	13.2	13.5	10.3	4.5	1.4	-0.1	1.0	2.6	3.6	5.7	
22	4.2	3.6	3.4	3.5	3.3	3.8	3.4	4.4	4.1	5.8	6.5	6.7	8.1	12.1	13.3	14.2	10.4	7.3	3.4	0.0	-1.4	1.0	2.5	4.2	5.3	
23 Q	4.8	4.4	4.2	3.9	3.9	4.2	4.3	4.5	5.1	5.8	6.1	6.9	7.6	9.0	11.0	11.3	10.8	8.6	2.6	-0.2	-1.0	0.8	3.4	4.8	5.3	
24 D	3.7	3.3	3.9	4.2	4.1	4.2	6.1	6.4	7.8	19.6	20.1	18.3	19.0	12.9	6.9	-7.3	2.5	2.5	-9.6	-5.9	-6.9	2.5	0.8	3.4	5.1	
25 D	9.0	1.5	18.9	21.4	13.7	-1.3	-21.5	-14.1	7.3	-5.4	8.6	17.6	-6.9	1.0	8.0	13.0	10.8	7.4	5.0	5.2	3.5	2.6	3.9	4.4	4.7	
26	5.8	17.5	12.7	5.3	9.3	5.0	7.1	1.8	-1.5	-5.8	9.7	12.3	18.2	12.3	8.8	9.3	4.8	6.7	4.2	0.3	5.1	1.9	1.4	6.4	6.6	
27	3.8	16.6	13.8	23.4	12.2	18.1	-9.1	-41.8	8.1	-16.8	8.7	7.4	0.1	6.5	15.4	14.3	11.3	10.3	5.4	2.0	2.2	1.7	2.7	4.4	5.1	
28	5.2	5.2	5.1	4.7	4.4	4.1	3.5	3.4	5.7	6.6	7.3	7.8	8.1	9.4	11.8	13.0	12.7	9.2	6.0	1.0	-0.7	-1.5	-2.1	3.6	5.6	
29	4.6	3.6	3.6	4.1	8.3	3.4	4.5	2.5	2.7	7.8	8.7	6.6	12.3	9.5	10.1	11.2	9.2	5.0	6.5	4.7	3.0	4.1	6.3	7.8	6.3	
30 D	4.8	4.5	4.9	3.6	5.7	2.8	1.5	6.0	7.9	6.8	7.0	10.0	7.0	4.9	9.9	12.7	13.5	11.3	9.8	7.3	1.5	13.7	-2.0	13.0	7.0	
31																										
Mean	3.5	4.5	5.1	5.1	6.4	5.3	3.4	3.2	6.0	5.0	7.8	7.6	9.5	11.2	12.0	12.0	11.0	8.0	3.3	0.4	-0.7	0.5	0.9	3.0	5.6	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook

z = 58,000 γ +

September 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	790	812	791	782	756	584	549	612	664	505	648	634	736	755	754	735	736	749	750	776	775	801	845	801	723	
2	767	770	761	777	763	754	716	646	701	542	594	679	727	754	757	761	762	756	757	757	761	763	768	780	732	
3	788	766	757	761	755	679	557	722	761	743	660	662	726	743	747	748	748	743	744	749	756	758	756	757	733	
4	760	755	754	754	757	758	738	647	702	689	701	682	700	747	750	752	754	754	749	750	756	758	760	757	737	
5	770	801	800	778	755	727	703	658	718	736	721	734	726	739	727	723	723	727	741	752	766	775	774	761	743	
6	760	757	765	775	782	767	753	746	747	748	743	737	737	752	753	754	753	749	746	749	755	756	755	752	754	
7 Q	754	755	752	749	748	750	750	734	724	740	750	750	748	746	746	749	751	748	747	753	753	751	748	746	748	
8 Q	746	744	746	746	746	746	747	751	747	744	743	735	746	749	749	751	749	746	749	751	744	742	744	740	746	
9	744	743	747	748	746	748	764	760	737	569	624	738	743	746	738	739	742	746	751	754	750	753	751	756	735	
10	767	763	766	756	753	750	747	743	746	746	739	740	746	744	743	746	738	736	735	742	749	753	756	760	748	
11	757	754	752	754	759	778	773	769	760	756	746	704	688	733	736	738	735	726	737	776	816	816	818	787	757	
12	748	745	775	795	801	686	568	622	766	766	733	617	611	671	730	758	765	766	761	763	766	768	777	780	731	
13	774	769	773	790	817	812	793	779	764	755	761	758	758	756	755	754	753	748	746	747	758	768	777	785	769	
14 D	790	779	763	759	785	780	790	645	510	687	752	742	713	557	658	759	756	751	752	758	758	768	810	855	737	
15	768	752	752	753	755	752	755	761	680	666	618	658	693	736	764	762	761	763	759	756	759	763	758	759	738	
16	764	762	764	762	764	734	729	734	721	745	745	676	704	707	712	739	745	747	749	761	766	764	764	773	743	
17	784	811	872	863	663	725	776	762	768	768	758	716	702	728	741	752	758	752	761	763	764	769	768	767	762	
18	768	771	774	779	766	722	752	751	741	751	755	757	754	753	727	700	711	741	754	755	757	758	754	754	751	
19 Q	752	752	753	757	755	752	751	749	751	749	746	746	747	744	745	752	750	749	750	753	754	753	754	754	751	
20	758	762	773	795	811	806	773	758	729	727	726	734	720	719	720	721	711	714	729	742	752	751	758	755	748	
21 Q	752	753	752	751	751	751	755	765	761	752	751	742	745	745	744	746	744	740	741	741	742	741	745	747	748	
22	750	749	749	749	750	751	752	754	753	752	748	716	679	676	722	729	744	744	738	744	748	750	748	747	739	
23 Q	747	747	747	747	747	747	749	750	751	751	750	749	749	749	749	748	745	740	746	747	749	748	746	744	747	
24 D	743	743	744	743	743	741	741	721	670	612	595	602	745	699	620	599	657	706	733	752	764	794	840	806	713	
25 D	804	792	849	775	593	696	356	600	738	524	632	662	591	644	699	743	751	748	757	762	767	774	778	786	701	
26	791	794	764	770	741	727	751	734	654	562	569	557	653	721	726	735	735	750	760	764	793	777	787	805	726	
27	809	811	787	804	677	709	672	568	566	490	373	493	632	699	710	744	732	749	763	759	761	760	760	758	691	
28	758	757	757	757	757	756	753	756	750	753	751	753	754	754	753	753	751	744	743	749	753	757	767	765	754	
29	764	756	757	757	765	767	760	711	667	702	707	691	710	740	752	752	754	753	757	758	752	751	753	756	741	
30 D	755	753	758	763	793	796	764	763	749	750	742	720	732	720	746	752	756	756	758	760	763	828	927	903	772	
31																										
Mean	766	766	768	768	751	742	718	716	716	693	696	696	714	724	732	740	742	745	749	755	771	766	775	773	741	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 28 Meanook

H = 12,000 γ +

October 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	1783	1681	1114	1162	1000	1045	511	765	846	409	703	661	757	916	1051	1037	1026	1010	1009	1022	1031	1024	1026	1022	984
2	1018	1016	1016	1020	1015	1020	1018	1016	1007	1018	1018	1016	1013	1002	1004	1014	1012	1004	1018	1025	1026	1024	1019	1018	1016
3	1018	1026	1029	1029	1030	1030	1033	1033	1025	1026	1033	1034	1020	1021	1014	1014	1025	1023	1010	1016	1025	1026	1032	1028	1025
4	1029	1037	1041	1034	1035	1035	1041	1039	1041	1037	1022	1000	1000	994	1009	1033	1018	1011	1010	1009	1014	1010	1026	1029	1023
5	1033	1040	1041	1041	1039	1039	1046	1043	1032	1026	1041	1047	1046	1044	1041	1033	1028	1019	1017	1015	1019	1024	1035	1041	1035
6	1041	1044	1044	1044	1044	1042	1042	1037	1026	1041	1037	1033	1014	1025	1034	1041	1035	1024	1029	1029	1029	1031	1033	1033	1035
7	1043	1030	1028	1050	1050	1053	1050	1050	1055	1041	1053	1032	1025	1035	1050	1035	1032	1028	1018	1023	1027	1032	1039	1042	1038
8	1044	1048	1050	1048	1048	1048	1063	1037	1032	1040	1050	1055	1057	1056	1055	1046	1034	1025	1019	1021	1025	1032	1039	1043	1042
9	1049	1054	1049	1048	1040	1052	1043	1047	1048	1048	1049	1050	1054	1048	1048	1045	1037	1024	1011	1013	1020	1027	1033	1038	1041
10 Q	1043	1047	1048	1047	1046	1047	1047	1048	1050	1052	1053	1055	1055	1054	1050	1046	1036	1028	1010	1013	1019	1026	1033	1042	1042
11	1046	1049	1046	1054	1054	1054	1054	1054	1006	807	974	954	1028	1056	1036	1033	1031	1026	1012	1007	1003	1009	1036	1037	1019
12	1055	1153	1116	1141	1084	1047	1025	985	837	976	1034	1048	1056	1033	997	1017	1033	1032	1021	1026	1025	1025	1036	1042	1035
13	1041	1043	1041	1050	1056	1025	1061	989	944	1019	1055	1046	1047	1045	1045	1042	1029	1014	1021	1028	1028	1030	1033	1030	1032
14	1033	1040	1042	1041	1042	1040	1046	1009	1042	1043	1034	1011	1025	1035	1045	1045	1035	1027	1017	1011	1017	1025	1034	1033	1032
15 Q	1040	1043	1046	1046	1046	1046	1046	1042	1041	1040	1048	1055	1058	1058	1056	1051	1050	1047	1039	1034	1032	1040	1040	1042	1045
16 Q	1047	1049	1052	1053	1052	1050	1050	1049	1048	1049	1050	1050	1050	1050	1050	1048	1045	1034	1024	1021	1025	1032	1035	1040	1044
17 Q	1045	1052	1054	1055	1055	1054	1056	1056	1056	1056	1056	1056	1056	1056	1056	1053	1047	1036	1028	1025	1029	1039	1053	1057	1049
18 Q	1060	1061	1061	1060	1057	1054	1053	1056	1058	1059	1060	1061	1063	1064	1062	1058	1052	1041	1029	1023	1025	1032	1038	1046	1051
19	1049	1055	1049	1056	1054	1058	1048	1040	1047	1049	1054	1054	1055	1054	1049	1048	1043	1033	1025	1028	1032	1035	1048	1053	1046
20	1060	1188	1221	1347	1324	1117	777	1052	1032	1041	1048	1046	1040	1040	1041	1037	1032	1019	1021	1021	1030	1035	1040	1041	1069
21	1040	1037	1040	1040	1041	1040	1039	1040	1041	1044	1051	1051	1043	1025	1029	1024	1017	1000	1002	1015	1025	1030	1017	1023	1031
22	1047	1040	1043	1040	1040	1038	1040	1041	1040	1035	1017	1045	1040	1039	1040	1041	1027	1018	1013	1020	1031	1035	1040	1041	1035
23	1048	1049	1049	1049	1048	1049	1046	1055	1046	1049	1048	1048	1050	1046	1040	1032	1036	1036	1034	1040	1041	1033	1025	1043	1043
24	1050	1049	1052	1048	1040	1032	1052	1047	1030	1032	1034	1048	1047	1048	1055	1054	1048	1047	1032	1031	1032	1038	1041	1047	1043
25	1051	1054	1054	1054	1049	1049	1048	1048	1040	1043	1055	1056	1054	1050	1047	1042	1047	1032	1009	1017	1028	1037	1040	1034	1043
26 D	1047	1049	1039	1040	1056	1015	1023	963	428	595	637	726	851	974	1033	1032	1061	1056	1040	1026	1003	1020	1057	1076	952
27 D	1129	1061	1095	1114	1187	1197	1058	895	890	751	796	1031	1033	1032	1066	1043	1017	974	978	1009	1041	1100	1105	1049	1027
28 D	1034	1040	1036	1044	1046	1040	1032	1032	985	765	673	491	170	253	170	225	145	622	938	963	1036	1174	1130	1046	796
29 D	1028	1079	1028	872	689	588	843	1041	1049	1042	1040	1041	1035	1038	1036	1033	1024	1015	1009	1010	1017	1025	1025	1030	985
30	1030	1029	1028	1027	1025	1025	1025	1025	1018	1038	1032	1039	1033	1032	1032	1029	1014	1006	1014	1013	1017	1023	1025	1032	1026
31	1031	1032	1032	1032	1032	1033	993	1040	1040	1037	1034	1032	1034	1025	1032	1032	1025	1018	1010	1012	1017	1024	1030	1033	1027
Mean	1068	1073	1054	1058	1046	1034	1010	1022	996	978	996	999	997	1008	1012	1012	1005	1011	1015	1018	1025	1035	1040	1039	1023

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 29 Meanook

$D = 24^{\circ} E + \dots'$

October 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	38.3	19.3	60.1	4.7	-9.6	-20.7	15.2	-5.2	-6.5	7.8	16.2	7.8	21.5	16.0	15.5	16.4	16.0	13.5	10.8	8.8	7.0	6.3	6.5	6.0	6.3	
2	4.9	5.2	6.3	6.0	6.0	5.9	6.7	4.7	4.6	7.1	7.7	8.1	6.9	7.1	8.9	10.7	10.0	7.6	8.9	7.8	6.3	5.3	4.8	4.1	6.7	
3	4.3	4.9	5.2	5.2	5.2	5.2	5.5	5.5	5.8	7.0	9.4	8.9	6.9	9.2	8.9	9.1	10.4	9.2	6.1	2.4	0.1	0.1	1.1	1.9	5.7	
4	2.8	3.1	4.1	3.8	3.0	4.4	4.8	5.3	7.8	7.4	6.7	2.9	7.8	6.3	7.7	8.6	6.5	4.6	2.8	2.7	1.9	0.5	0.8	2.7	4.5	
5	2.7	4.6	5.4	5.2	5.2	5.6	9.1	6.7	4.7	7.2	8.0	8.0	7.9	7.2	9.0	11.0	10.7	8.9	6.7	3.9	2.7	1.8	2.2	2.9	6.1	
6	3.6	3.7	4.5	4.1	4.7	4.8	5.7	5.8	8.7	10.9	12.7	7.6	2.6	5.7	7.8	8.2	8.8	5.8	2.2	2.2	1.0	0.8	1.7	3.2	5.3	
7	3.1	5.5	13.6	6.4	7.6	4.0	5.0	4.5	2.8	3.3	7.6	8.3	10.3	8.3	10.0	10.7	10.5	9.1	5.7	3.6	1.7	1.4	2.1	2.9	6.2	
8	3.3	3.6	4.4	4.7	4.9	5.8	11.6	13.8	10.8	7.9	11.1	10.5	11.2	10.2	11.3	11.6	12.4	11.6	8.3	5.4	2.0	11.3	1.8	3.2	8.0	
9	2.9	3.1	3.8	3.3	4.3	4.1	6.2	5.0	5.0	5.0	5.3	5.7	6.0	6.0	7.7	10.1	11.3	11.0	7.8	4.2	2.2	2.5	3.0	3.9	5.4	
10 Q	4.2	4.2	5.4	5.4	5.4	5.4	5.1	5.1	5.1	5.4	5.4	5.6	5.8	7.5	8.0	10.4	11.1	10.4	7.0	2.2	-1.4	-1.1	0.1	1.8	5.1	
11	2.4	2.9	4.1	3.8	4.3	3.3	3.6	4.8	8.4	24.0	21.3	22.1	18.7	7.9	7.9	10.3	10.3	11.7	8.4	4.5	-0.6	-3.3	-1.5	-0.5	7.4	
12	-2.5	5.5	17.2	3.4	4.5	7.5	6.4	6.6	15.9	6.5	6.4	7.7	7.4	7.2	-0.6	-1.5	9.5	10.4	3.9	1.4	1.5	0.2	-1.2	0.4	5.2	
13	-3.3	-2.0	3.5	5.3	10.6	7.0	3.5	6.9	20.8	13.8	6.3	7.0	6.1	6.4	7.3	8.3	7.1	0.5	0.6	2.4	1.8	1.4	2.6	2.6	5.3	
14	3.1	3.4	5.0	4.8	4.8	4.5	4.8	1.3	10.3	7.4	5.5	6.0	9.5	8.4	6.3	9.5	9.0	9.1	6.8	4.8	2.1	1.7	2.3	3.6	5.6	
15 Q	3.9	4.3	4.5	4.6	4.1	5.5	4.1	4.8	6.0	8.2	6.6	7.4	5.6	5.9	7.0	8.0	8.2	7.2	5.2	1.8	0.8	1.3	2.6	3.2	5.0	
16 Q	3.4	3.6	4.2	4.2	4.6	4.3	4.6	4.7	5.6	5.7	5.7	5.6	5.8	6.1	7.2	8.1	9.1	9.1	7.4	4.2	2.2	1.9	2.1	2.4	5.1	
17 Q	2.8	3.2	3.7	4.2	4.2	4.6	4.2	4.4	4.7	5.0	5.2	5.3	5.8	6.3	8.2	10.6	12.3	12.1	8.3	3.3	1.2	0.4	0.2	1.5	5.1	
18 Q	2.1	2.7	3.2	3.3	3.2	2.8	3.7	5.5	6.0	6.2	5.9	6.1	5.7	6.2	7.2	8.3	9.2	10.3	8.2	5.0	2.5	2.5	3.2	3.0	5.1	
19	2.4	1.9	2.2	0.1	3.9	4.8	4.4	8.0	6.5	6.9	7.0	6.1	5.8	6.2	7.3	9.6	11.2	10.1	8.2	5.4	3.1	2.1	0.0	4.1	5.1	
20	3.9	1.5	-4.9	-2.5	-1.3	-8.9	-17.9	11.7	7.2	4.2	5.5	5.7	6.6	7.7	7.9	9.5	9.7	7.1	5.1	2.6	2.4	3.1	3.7	4.1	3.1	
21	4.1	4.4	4.4	4.4	4.1	4.1	4.6	5.0	5.1	5.1	5.2	6.7	7.9	3.2	5.1	7.7	7.1	1.2	-3.7	-4.6	-1.3	1.0	-1.8	-0.3	3.3	
22	0.4	4.0	4.4	4.9	5.2	5.2	5.0	3.2	5.1	5.4	1.4	7.4	7.9	7.2	9.2	7.3	7.0	8.4	5.9	3.6	2.1	2.2	2.9	3.3	4.9	
23	3.8	4.1	5.0	5.2	4.6	4.1	4.3	5.2	2.4	6.1	6.2	7.5	6.8	6.8	8.4	5.2	3.9	4.6	3.5	1.1	1.1	0.5	1.1	3.6	4.4	
24	4.1	4.1	4.2	4.1	10.1	11.2	9.1	7.2	6.6	8.6	4.1	8.1	8.1	9.2	8.2	7.5	6.4	5.0	2.8	1.2	-0.7	0.4	1.5	2.2	5.5	
25	2.8	3.3	4.1	4.4	4.1	4.1	4.1	5.1	4.2	6.1	7.6	8.2	8.7	8.6	3.9	3.8	5.4	4.7	-1.3	-4.9	-1.8	1.0	1.1	1.6	3.7	
26 D	3.5	3.7	4.6	7.0	3.4	8.1	8.5	14.7	-28.1	14.7	38.6	30.2	35.1	23.0	15.1	7.2	3.9	4.8	1.4	1.7	0.3	-3.9	-2.8	-8.8	7.7	
27 D	-4.1	1.7	-2.9	19.1	16.9	7.3	8.2	1.7	4.9	13.3	2.8	7.1	8.6	7.2	6.7	9.5	4.8	2.8	0.3	-0.7	1.2	-2.8	-3.7	-3.7	4.4	
28 D	-0.9	1.7	3.0	5.6	7.5	5.0	5.3	4.2	3.1	10.0	26.0	34.0	64.0	31.0	41.0	65.0	31.0	20.7	20.0	65.8	55.9	10.5	8.7	12.6	22.1	
29 D	17.8	23.0	19.9	27.1	18.8	13.0	31.6	11.3	4.8	1.6	2.7	6.2	5.3	6.4	8.6	10.5	11.7	11.0	7.8	5.8	4.5	4.0	4.4	5.4	11.0	
30	5.2	5.0	4.9	4.8	4.9	4.9	5.3	5.4	6.0	4.7	4.0	4.0	5.0	5.4	8.0	10.0	8.4	6.6	2.8	1.4	1.6	3.0	3.8	3.9	5.0	
31	4.0	4.9	4.7	5.6	5.4	6.0	3.6	4.8	3.9	4.1	4.7	5.2	5.7	3.7	5.0	8.1	9.8	9.0	6.0	3.2	1.9	2.2	3.0	3.4	4.9	
Mean	4.2	4.7	3.0	5.6	5.3	4.3	6.0	5.7	5.1	7.6	8.7	9.0	10.6	8.5	9.0	10.6	9.8	8.3	5.6	4.9	3.4	1.9	1.8	2.5	6.1	

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 30 Meanook

z = 58,000 γ +

October 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	671	299	495	639	763	809	671	893	979	1062	959	1014	687	706	792	788	784	777	782	783	783	776	776	771	769	
2	772	772	773	773	772	772	774	769	755	770	772	768	763	761	759	763	766	764	768	763	756	762	764	764	766	
3	764	765	764	764	764	764	763	763	744	739	755	758	747	745	753	751	752	752	752	755	762	762	764	766	757	
4	771	771	771	771	772	771	763	763	762	753	743	710	698	698	719	750	752	755	760	761	763	762	774	786	754	
5	784	772	762	761	761	762	757	762	750	708	751	757	759	759	759	760	760	756	754	756	759	759	762	763	758	
6	762	762	761	761	762	762	761	751	706	718	731	741	719	713	730	738	741	745	748	754	762	764	767	767	747	
7	768	775	797	803	791	785	784	774	757	732	758	744	725	736	756	759	759	759	757	754	752	752	755	756	762	
8	756	756	756	756	758	769	784	704	725	741	764	765	764	762	759	758	757	755	752	752	758	755	754	755	755	
9	754	756	756	760	772	763	768	764	761	758	757	751	752	752	755	757	756	754	750	750	750	751	751	751	756	
10 Q	751	751	751	751	751	751	752	752	752	752	752	752	752	752	752	752	751	751	751	751	752	761	761	761	753	
11	760	759	759	759	759	761	760	760	708	564	661	615	677	738	754	758	759	758	761	764	766	761	767	771	736	
12	794	828	840	891	846	704	743	696	536	588	694	731	750	729	693	692	734	756	769	767	769	771	781	794	746	
13	813	831	821	803	784	729	782	720	588	697	770	761	760	759	761	762	759	754	750	750	753	762	767	773	759	
14	807	796	780	763	759	757	731	653	727	747	737	712	723	740	750	758	756	754	755	747	750	754	756	758	749	
15 Q	758	757	756	753	751	751	757	751	740	731	742	744	748	749	753	756	756	750	748	743	742	745	750	753	749	
16 Q	749	749	749	749	749	749	749	749	749	749	749	749	748	748	749	749	749	749	748	745	744	745	748	749	749	
17 Q	749	749	749	749	749	749	749	749	747	747	749	749	749	749	749	750	750	749	745	745	748	749	749	744	749	
18 Q	744	744	744	744	744	749	755	749	748	745	745	745	746	746	748	749	752	752	750	749	749	748	748	749	748	
19	749	749	761	793	785	782	774	758	739	729	741	745	749	749	749	749	748	741	739	741	748	746	749	748	753	
20	804	849	885	819	728	575	619	806	760	758	756	756	756	755	760	761	761	760	760	760	759	758	758	758	759	
21	757	757	757	757	757	758	755	755	755	755	750	746	739	730	729	731	730	728	734	740	753	772	770	762	749	
22	784	775	768	762	762	762	761	755	752	741	695	736	737	734	730	753	748	747	744	746	753	753	752	752	750	
23	750	750	749	749	748	750	753	739	749	755	750	747	749	745	744	742	739	737	736	740	743	747	747	749	746	
24	750	749	750	755	749	728	728	746	707	684	700	726	730	727	731	739	740	740	747	749	750	749	749	749	736	
25	748	748	748	749	749	749	749	751	714	717	733	739	733	719	695	694	705	717	732	743	757	757	765	762	736	
26 D	758	762	762	781	782	730	739	662	521	479	547	514	518	625	663	693	705	733	745	759	775	803	819	811	695	
27 D	832	781	816	752	803	810	771	741	669	578	662	745	740	746	773	755	749	740	762	788	803	830	823	803	761	
28 D	796	797	796	799	792	767	757	755	621	402	808	1225	868	1173	1054	757	935	1103	966	823	739	826	824	833	842	
29 D	819	814	687	631	505	550	584	722	770	780	775	770	774	773	775	773	770	768	760	760	768	773	778	778	736	
30	775	772	770	770	769	770	769	760	728	748	761	769	768	764	768	768	765	769	765	769	770	770	770	771	766	
31	770	770	770	770	771	768	683	725	758	769	769	758	759	756	759	761	761	761	764	764	764	765	765	765	759	
Mean	768	757	761	761	758	747	743	748	725	716	743	760	736	753	756	749	756	762	760	757	758	764	767	767	753	

HORIZONTAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 31 Meanook

H = 12,000 γ +

November 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	1033	1038	1038	1034	1048	1042	1036	1032	1007	1018	1023	1000	1038	1055	1049	1044	1040	1028	1017	1016	1025	1033	1034	1033	1032
2	1040	1044	1041	1041	1041	1040	1039	1039	1000	995	1009	1024	938	1012	1049	1052	1045	1039	1032	1032	1032	1033	1033	1040	1029
3	1039	1040	1039	1043	1055	1048	1050	1040	1034	1032	1049	1048	1043	1042	1041	1040	1040	1036	1030	1032	1033	1037	1037	1040	1040
4	1041	1045	1047	1046	1045	1044	1045	1044	1045	1046	1048	1048	1047	1047	1046	1041	1037	1032	1033	1040	1046	1041	1041	1032	1043
5 D	1033	1039	1046	1048	1040	1059	1088	1023	996	950	992	1064	1040	874	914	1037	1032	1033	1025	1018	1025	1039	1028	1032	1020
6	1041	1040	1041	1058	1065	1053	1040	992	959	869	915	978	1032	1055	1049	1046	1042	1033	1032	1033	1040	1042	1047	1053	1023
7 D	1052	1049	1048	1056	1086	1066	1095	992	742	845	662	708	780	696	774	916	945	894	960	953	1087	1134	1044	1031	942
8 D	1090	1153	1206	1104	1120	1056	913	901	1024	1032	1025	1017	1009	1007	1040	1033	1027	1018	1017	1024	1014	1025	1018	1033	1038
9	1037	1040	1023	1041	1043	1038	1048	1014	916	1010	985	976	1009	1042	1050	1041	1036	1024	1007	1008	1018	1032	1035	1037	1021
10	1040	1043	1043	1036	1039	1056	1050	1046	1036	1030	1036	1048	1052	1047	1048	1041	1033	1026	1018	1020	1025	1032	1038	1040	1038
11	1044	1047	1047	1047	1048	1047	1046	1044	1044	1046	1047	1049	1048	1047	1046	1044	1040	1031	1027	1028	1032	1036	1040	1045	1043
12	1046	1040	1041	1050	1059	1094	1138	1077	855	909	971	947	909	985	1040	1025	992	1008	1031	1027	1026	1027	1044	1047	1016
13	1050	1046	1043	1040	1044	1046	1046	1040	1040	1039	1040	1044	1045	1045	1046	1043	1036	1027	1024	1024	1025	1032	1041	1050	1040
14	1061	1065	1058	1057	993	1089	1039	973	939	1073	1050	1051	1050	1055	1053	1050	1041	1026	1006	1001	1015	1031	1039	1040	1036
15 Q	1047	1049	1049	1048	1047	1045	1042	1041	1041	1042	1047	1048	1048	1049	1048	1043	1036	1029	1022	1025	1033	1037	1041	1042	1042
16	1050	1052	1055	1054	1051	1049	1047	1047	1049	1048	1049	1050	1052	1052	1050	1049	1042	1034	1026	1027	1034	1038	1034	1033	1045
17 D	1048	1055	1053	1055	1055	1049	1048	1048	1050	1055	1056	1055	1057	1047	1003	1004	1055	1041	1030	1032	1019	1026	1033	1073	1044
18 D	1102	1087	1104	1128	1044	1019	979	728	453	500	815	685	634	852	994	1000	1029	1022	1033	993	1026	1065	1060	1049	933
19	1049	1054	1081	1047	1036	1007	938	957	1042	1042	1026	994	997	1041	1056	1048	1041	1034	1033	1033	1036	1041	1041	1049	1030
20	1050	1053	1049	1046	1041	1042	1033	985	1015	1049	1042	1025	956	957	1058	1044	1034	1016	1008	1006	1009	1034	1033	1034	1026
21	1041	1034	1072	1073	1065	1034	1029	1028	1026	1047	1047	1048	1048	1048	1050	1049	1048	1042	1037	1034	1039	1041	1040	1041	1044
22 Q	1042	1045	1049	1051	1051	1050	1051	1051	1049	1049	1041	1043	1051	1057	1054	1049	1045	1037	1033	1033	1033	1038	1042	1048	1045
23 Q	1050	1053	1050	1050	1050	1048	1049	1049	1049	1050	1051	1051	1048	1052	1053	1051	1050	1048	1037	1033	1034	1038	1043	1049	1047
24 Q	1050	1052	1051	1051	1050	1052	1050	1048	1042	1050	1052	1053	1052	1052	1053	1049	1044	1038	1031	1027	1030	1036	1042	1052	1046
25	1056	1058	1056	1056	1057	1056	1052	1049	1044	1034	1056	1056	1058	1061	1062	1060	1055	1049	1038	1036	1038	1042	1048	1053	1051
26	1057	1058	1056	1054	1053	1048	1051	1052	1042	1036	1050	1048	1059	1057	1056	1058	1055	1045	1039	1034	1043	1045	1044	1043	1049
27	1049	1048	1044	1050	1048	1047	1049	1050	1050	1051	1050	1049	1048	1042	1051	1054	1048	1035	1026	1026	1027	1035	1044	1050	1045
28	1056	1054	1052	1051	1051	1051	1054	1056	1057	1058	1057	1058	1054	1054	1054	1052	1048	1034	1027	1035	1042	1043	1046	1050	1050
29	1055	1052	1050	1047	1046	1051	1048	1048	1042	1041	1045	1055	1056	1057	1055	1050	1056	1039	1027	1027	1028	1036	1043	1048	1046
30 Q	1053	1053	1053	1052	1051	1050	1047	1046	1052	1048	1048	1047	1056	1058	1058	1057	1053	1043	1034	1033	1036	1045	1053	1058	1049
31																									
Mean	1050	1053	1056	1054	1051	1049	1041	1018	991	1003	1013	1012	1011	1018	1033	1039	1037	1028	1025	1023	1032	1040	1040	1044	1032

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 32 Meanook

D = 24° E + ...'

November 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	3.5	3.9	4.0	4.9	8.8	4.1	5.9	6.1	7.5	7.5	6.3	2.0	5.1	7.1	7.2	7.5	8.8	7.5	4.1	1.5	1.1	1.8	2.5	3.1	5.1	
2	3.8	4.0	4.5	4.9	4.9	4.6	4.8	6.7	8.2	16.1	24.1	16.2	3.0	9.1	11.7	10.6	9.9	6.8	4.9	3.0	3.0	3.1	3.4	2.9	7.3	
3	2.1	2.5	3.2	2.5	10.6	4.2	6.2	7.2	3.0	4.9	6.1	5.2	5.9	6.1	6.6	7.0	7.9	7.0	5.0	3.1	2.4	3.2	3.3	3.1	4.9	
4	2.8	2.5	3.9	4.0	4.1	4.6	4.0	4.0	4.7	4.7	5.6	5.3	5.5	6.0	6.2	7.0	7.5	4.2	1.0	-1.2	-1.3	1.6	3.1	2.5	3.8	
5 D	2.1	2.9	4.0	3.9	3.1	6.9	8.5	6.0	15.2	9.9	14.0	12.0	12.1	8.1	-6.9	2.0	2.6	2.1	2.1	0.3	0.0	0.9	1.9	2.8	4.8	
6	4.8	4.0	5.1	17.1	16.0	7.8	7.1	6.0	14.9	12.0	12.9	8.8	8.3	7.0	5.8	8.0	7.9	6.1	3.6	3.0	3.0	3.6	4.0	4.6	7.6	
7 D	3.4	1.9	0.9	4.9	8.0	10.7	9.4	5.3	10.0	8.9	19.8	21.9	4.8	-3.0	-12.7	-9.2	-3.2	-2.9	-10.2	-6.1	4.0	2.9	2.8	0.8	3.1	
8 D	1.1	7.7	21.1	4.9	7.0	3.8	7.7	6.5	7.1	5.2	4.4	3.6	4.5	1.9	6.9	8.1	8.9	7.5	5.0	4.4	1.4	-1.2	-0.8	1.8	5.4	
9	4.7	5.0	11.8	7.5	8.2	9.4	8.0	4.9	-9.8	8.9	9.1	7.0	13.7	8.5	9.9	10.8	8.9	6.7	3.2	0.6	-1.3	0.6	1.8	2.0	5.8	
10	2.2	3.8	4.2	8.9	13.7	7.1	2.9	4.5	2.9	4.4	4.0	6.6	6.4	7.0	6.7	8.8	9.4	7.9	4.0	2.1	1.1	1.0	2.2	3.3	5.2	
11	3.7	4.1	4.7	4.9	4.8	4.1	3.9	3.8	3.2	4.1	3.4	4.8	5.3	5.6	7.2	8.9	10.0	9.1	7.9	4.5	2.9	2.7	2.6	1.0	4.9	
12	1.8	1.6	1.1	4.2	5.1	6.4	3.7	19.1	1.9	2.7	6.6	12.1	14.7	17.1	3.2	6.9	1.0	0.8	4.2	2.4	0.4	-0.1	2.7	4.2	5.2	
13	0.0	2.2	5.1	5.7	6.9	6.9	4.8	4.6	4.6	3.7	2.4	3.6	4.2	4.9	6.0	7.4	7.9	7.9	5.8	1.9	-0.1	0.8	0.9	1.8	4.2	
14	1.4	2.5	4.9	2.0	1.2	13.8	6.2	-1.6	15.5	2.7	4.2	4.6	6.2	6.2	6.6	7.7	9.8	8.7	3.9	-4.0	-3.1	-0.5	2.2	3.6	4.4	
15 Q	4.4	5.0	5.2	5.2	5.1	4.8	4.4	4.8	4.0	3.8	4.7	4.8	4.8	5.0	5.8	7.1	8.8	7.9	5.8	3.2	2.3	2.0	2.7	2.9	4.8	
16	3.4	3.8	3.9	4.8	5.0	4.9	4.9	4.9	3.6	2.9	3.9	4.9	5.1	5.7	6.0	8.0	9.6	8.9	6.9	4.9	2.6	1.9	0.1	-0.1	4.6	
17 D	2.7	2.9	4.3	4.4	4.5	3.8	4.9	5.1	5.9	4.6	3.9	4.8	5.9	7.5	2.4	-8.5	7.8	4.9	4.9	0.6	-1.7	-2.0	-2.8	-6.7	2.7	
18 D	0.1	1.3	-0.1	7.1	7.1	11.5	5.9	6.1	4.9	10.0	20.5	30.8	-8.5	14.8	6.9	-7.0	0.0	1.8	5.9	-0.9	-5.2	0.3	0.7	0.4	4.8	
19	2.3	4.8	15.0	8.0	9.9	9.0	4.0	-2.1	5.3	4.1	4.3	-0.1	1.3	4.2	7.0	7.8	6.6	5.8	4.9	3.9	3.0	3.7	4.0	4.6	5.1	
20	4.0	4.2	4.3	5.8	4.2	8.3	9.8	5.9	6.7	5.1	5.9	8.8	2.7	-5.0	8.4	5.4	4.9	4.9	0.9	-0.2	-4.1	-1.2	1.0	3.7	3.9	
21	3.0	3.1	2.1	7.0	8.4	8.6	8.9	6.8	4.1	4.8	5.4	5.4	4.9	4.3	4.6	5.9	6.3	4.8	3.9	3.4	3.3	3.0	3.4	2.9	4.9	
22 Q	4.5	4.0	4.3	4.6	4.4	4.4	4.0	3.9	4.0	3.7	3.9	4.1	4.7	5.9	6.7	7.7	8.0	7.3	5.4	4.0	2.8	2.9	3.0	3.1	4.6	
23 Q	3.8	4.2	4.5	4.9	4.9	4.7	4.0	3.9	3.7	3.9	4.2	4.9	4.9	5.0	5.8	6.9	8.8	8.6	5.0	2.9	2.1	2.4	3.1	3.2	4.6	
24 Q	3.5	3.5	3.5	4.1	3.5	3.9	3.9	3.9	6.2	4.9	4.5	4.6	4.9	5.5	6.2	7.2	8.0	8.0	5.9	4.2	2.5	1.7	1.7	1.6	4.5	
25	2.5	3.9	4.9	5.2	5.0	4.7	4.5	5.2	10.7	6.3	4.8	5.2	6.1	7.0	7.6	7.3	6.4	5.7	3.8	2.0	0.9	0.8	1.6	2.9	4.8	
26	3.8	4.7	5.0	5.6	5.4	7.0	6.0	7.1	4.5	6.1	8.4	4.5	5.0	5.8	7.4	8.0	7.7	6.6	3.5	1.0	0.3	1.0	1.9	2.1	4.9	
27	2.1	3.0	4.4	4.9	5.3	4.9	5.1	5.6	3.9	3.3	3.6	5.1	5.1	3.9	4.0	7.0	8.3	8.3	6.9	4.2	2.8	1.2	1.6	2.5	4.5	
28	3.2	4.9	4.8	5.0	4.4	5.1	4.0	3.8	3.8	3.8	3.8	4.0	4.0	4.4	5.3	6.9	6.3	6.0	0.7	-2.0	-1.9	-1.3	0.2	2.0	3.4	
29	3.1	4.2	5.0	5.5	5.3	7.2	4.3	4.0	3.7	2.9	3.8	5.0	7.6	7.3	7.0	7.2	7.7	7.2	6.1	4.4	2.3	1.5	1.7	2.1	4.8	
30 Q	3.3	3.9	4.0	4.7	4.9	4.2	3.7	4.5	3.7	3.2	3.4	4.2	4.2	5.1	5.0	6.8	8.5	8.5	5.7	3.5	1.8	1.0	0.9	1.1	4.2	
31																										
Mean	2.9	3.7	5.1	5.6	6.3	6.4	5.5	5.2	5.6	5.6	7.1	7.2	5.4	5.9	5.4	5.8	7.0	6.2	4.0	1.8	0.9	1.3	1.9	2.2	4.8	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 33 Meanook

z = 58,000 γ +

November 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	762	762	762	762	751	772	764	738	694	706	736	716	738	753	759	760	760	759	755	759	762	765	761	761	751
2	758	758	758	758	758	759	758	725	650	629	651	709	681	705	737	750	750	748	747	750	756	758	759	759	732
3	760	761	769	780	785	769	770	765	731	725	754	758	759	759	759	761	761	759	757	748	751	753	757	759	760
4	763	763	763	763	764	768	767	764	763	760	760	760	759	759	761	761	759	757	748	751	753	757	759	758	760
5 D	774	774	769	759	764	788	758	735	626	555	641	734	722	594	602	689	724	738	750	758	764	770	770	790	723
6	780	776	774	788	779	785	769	715	549	563	629	662	726	765	777	768	761	759	759	759	759	759	759	758	737
7 D	756	759	780	791	803	804	825	734	674	653	627	609	496	610	647	680	761	759	772	802	868	835	806	780	735
8 D	812	846	811	839	834	788	648	664	748	763	759	747	738	756	769	765	765	761	759	769	782	791	769	770	769
9	769	780	782	780	779	780	779	747	617	715	692	672	681	726	740	745	754	756	758	761	767	771	767	768	745
10	763	763	765	771	767	750	754	754	743	734	737	751	757	750	756	760	758	756	759	764	765	766	762	759	757
11	759	758	757	756	756	755	755	754	753	754	750	753	755	753	757	759	763	759	755	756	758	759	759	759	756
12	763	771	798	792	794	819	797	684	508	625	653	652	593	627	681	703	727	726	756	763	765	765	779	789	722
13	787	790	782	781	777	769	759	754	754	751	750	757	759	758	759	759	756	756	752	753	754	757	757	757	762
14	757	757	758	770	719	791	750	556	543	764	757	763	754	755	755	755	751	751	749	746	751	757	767	764	739
15 Q	758	757	755	753	753	751	752	752	752	746	747	752	752	752	752	753	753	753	750	752	756	756	755	755	753
16	754	754	754	754	754	754	755	755	751	751	751	752	750	750	750	751	751	751	750	750	750	750	752	759	752
17 D	758	759	756	756	757	759	756	747	742	746	751	751	747	740	714	683	715	726	745	746	754	762	777	831	749
18 D	867	834	861	855	780	724	681	530	528	496	511	534	653	530	596	615	684	717	780	769	812	803	796	806	698
19	809	802	792	789	779	688	621	638	738	756	743	704	714	737	757	756	752	749	752	756	757	758	758	757	744
20	755	755	755	756	766	777	767	659	672	743	745	732	647	646	732	745	755	762	766	765	751	762	767	771	740
21	783	800	848	843	817	779	745	723	731	756	756	754	749	750	755	756	755	756	755	755	756	756	755	754	766
22 Q	759	758	757	756	756	756	755	754	753	745	725	732	746	754	755	755	755	755	755	755	755	756	756	756	753
23 Q	754	754	754	753	752	751	751	751	751	751	751	749	740	742	746	751	755	754	754	754	756	756	755	754	752
24 Q	754	754	755	756	757	759	761	758	755	749	753	753	751	750	750	753	755	756	758	757	758	758	756	755	755
25	755	753	755	753	753	753	754	754	732	654	728	745	751	749	748	749	752	751	752	752	755	757	756	755	746
26	754	753	753	753	753	753	745	732	740	732	753	736	752	756	752	751	750	750	751	750	752	752	753	755	749
27	756	759	761	763	761	756	756	746	735	745	751	751	746	744	746	754	756	756	756	757	756	755	755	754	753
28	752	750	748	747	748	748	747	747	747	745	744	744	744	742	739	739	741	743	743	744	745	745	748	748	745
29	750	753	754	754	753	744	747	744	741	734	726	736	742	747	747	750	749	747	747	748	750	752	752	752	747
30 Q	752	751	750	749	749	748	744	724	734	743	745	745	747	748	748	748	750	750	748	748	749	750	751	750	747
31																									
Mean	768	769	771	773	767	763	750	720	699	710	719	724	722	724	735	741	749	751	755	757	763	763	763	765	747

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 34 Meanook

H = 12,000 γ +

December 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1 D	1060	1062	1062	1066	1065	1052	1034	999	925	780	540	521	482	152	395	764	1001	1011	1019	1016	1015	1027	1020	1032	879	
2 D	1042	1105	1043	1024	1012	1018	994	968	925	784	474	544	824	481	397	544	832	965	964	1031	1074	1203	1184	1209	902	
3 D	1294	1486	1387	1247	1145	1028	1016	767	331	567	589	452	522	839	988	1026	1021	1036	1035	1024	1026	1037	1050	1039	956	
4	1045	1050	1053	1050	1045	1044	1043	1032	973	947	1021	1019	1010	1059	1056	1045	1028	1043	1045	1031	1026	1029	1035	1043	1032	
5	1050	1052	1051	1044	1051	1049	1039	1037	1050	1050	1050	1050	1051	1049	1058	1052	1024	973	1038	1027	1015	1028	1035	1036	1040	
6	1051	1043	1049	1049	1041	1052	1044	1043	1043	1036	1043	1039	1020	991	982	980	945	981	1060	1032	1024	1026	1028	1040	1027	
7	1046	1045	1044	1044	1045	1043	1036	1036	1029	1002	1044	996	944	1052	1061	1053	1045	1036	1032	1029	1032	1038	1044	1047	1034	
8 Q	1049	1051	1050	1050	1050	1049	1050	1044	1044	1047	1050	1052	1055	1055	1056	1054	1052	1048	1038	1035	1036	1042	1047	1051	1048	
9	1051	1050	1049	1049	1049	1048	1050	1050	1046	1033	1045	1036	1050	1054	1050	1050	1048	1043	1032	1030	1028	1037	1005	1050	1043	
10	1054	1055	1054	1052	1045	1049	1047	1047	1048	1050	1035	1005	1036	1054	1051	1060	1052	1036	1029	1025	1022	1036	1044	1045	1043	
11	1052	1044	1043	1052	1057	1051	1039	978	746	829	949	949	957	1005	1029	1036	1033	1012	1000	1004	1013	1040	1051	1047	1003	
12	1044	1049	1068	1060	1052	1045	1043	1040	1040	1042	1044	1044	1047	1047	1053	1052	1044	1037	1029	1036	1037	1044	1053	1054	1046	
13	1057	1055	1054	1052	1052	1051	1051	1051	1052	1052	1055	1056	1058	1057	1056	1052	1050	1050	1044	1040	1041	1044	1037	1044	1050	
14	1052	1051	1049	1049	1049	1047	1050	1049	1046	1051	1051	1054	1057	1057	1061	1062	1059	1049	1045	1041	1045	1046	1053	1052	1051	
15	1053	1057	1054	1049	1037	1045	1045	1044	1027	1037	1030	1029	998	1045	1060	1069	1068	1061	1053	1046	1045	1037	1041	1059	1045	
16	1060	1060	1057	1055	1053	1051	1047	1046	1047	1048	1045	1049	1061	1055	1059	1061	1062	1057	1046	1044	1040	1045	1045	1046	1052	
17	1051	1051	1051	1054	1049	1046	1046	1050	1052	1050	1045	1048	1054	1060	1060	1060	1060	1054	1046	1044	1041	1040	1046	1055	1051	
18 Q	1059	1059	1050	1049	1054	1057	1055	1055	1054	1054	1057	1056	1055	1060	1060	1061	1053	1049	1046	1045	1045	1049	1053	1058	1054	
19 Q	1062	1061	1061	1059	1055	1054	1057	1057	1059	1060	1062	1062	1062	1062	1062	1062	1061	1053	1054	1053	1053	1054	1059	1061	1058	
20 Q	1063	1062	1059	1053	1053	1053	1053	1048	1052	1053	1044	1046	1060	1065	1063	1063	1062	1054	1051	1049	1048	1052	1056	1062	1055	
21	1065	1061	1058	1050	1050	1059	1062	1061	1058	1052	1058	1064	1064	1066	1064	1063	1061	1056	1050	1047	1048	1050	1053	1063	1057	
22	1063	1063	1061	1061	1055	1054	1055	1054	1055	1056	1055	1055	1053	1030	1060	1065	1060	1055	1048	1044	1045	1047	1048	1055	1054	
23	1054	1053	1049	1040	1048	1053	1045	1036	1045	1050	1037	1004	979	1053	1067	1063	1063	1059	1048	1045	1044	1042	1036	1049	1044	
24	1075	1072	1056	1055	1053	1055	1054	1051	1057	1050	1037	1032	1039	1055	1069	1050	1059	1060	1039	1037	1037	1037	1046	1055	1051	
25 Q	1060	1060	1060	1058	1057	1055	1053	1052	1051	1052	1052	1052	1052	1055	1060	1061	1062	1054	1049	1038	1037	1037	1039	1052	1056	1053
26	1062	1062	1061	1061	1060	1059	1061	1059	1053	1056	1054	1052	1052	1054	1063	1068	1068	1068	1062	1053	1045	1038	1042	1054	1063	1057
27	1061	1077	1066	1060	1063	1060	1055	1052	1047	1037	1049	1030	1029	1062	1067	1069	1067	1057	1047	1045	1053	1055	1061	1059	1055	
28 D	1061	1060	1053	1054	1053	1052	1046	1046	1043	952	771	918	1038	1054	1012	913	942	1046	1056	1045	1037	1035	1046	1045	1016	
29	1045	1061	1063	1049	1054	1052	1045	1047	1045	1037	1011	1029	1051	1047	1044	1053	1048	1041	1046	1045	1045	1045	1029	1037	1045	
30 D	1061	1066	1063	1052	1053	1061	1055	1055	1049	966	1030	982	951	1000	1013	1005	1005	1031	1045	1045	1036	1039	1045	1048	1031	
31	1049	1052	1050	1050	1045	1045	1051	1052	1051	1045	1045	1039	1022	1045	1054	1055	1058	1052	1030	1022	1046	1037	1049	1052	1046	
Mean	1063	1072	1065	1058	1053	1050	1046	1032	1005	998	983	980	992	994	1007	1022	1035	1039	1039	1037	1038	1046	1048	1055	1032	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook

D = 24° E + ...'

December 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	3.3	4.2	5.0	5.2	5.1	5.1	4.6	2.5	2.0	18.3	9.8	31.6	40.3	34.2	-1.5	8.0	4.9	7.3	6.1	3.8	3.9	2.8	3.3	2.3	8.8
2 D	2.8	10.1	8.3	9.3	15.0	10.0	10.1	5.5	5.0	11.8	12.0	9.6	5.6	4.8	-18.5	8.9	-0.9	-11.1	-0.4	3.0	9.1	14.9	12.4	7.4	6.0
3 D	-9.4	0.8	6.9	15.1	6.0	16.1	9.6	14.7	19.4	-5.0	29.8	41.6	-1.0	5.1	5.3	-6.0	-4.0	5.1	4.0	5.0	3.8	7.9	3.0	3.1	7.4
4	4.1	9.6	9.6	6.9	6.3	7.5	4.1	4.2	-2.8	-2.5	4.9	6.8	4.0	5.9	5.8	3.0	-2.9	1.4	2.0	1.0	1.7	2.0	3.2	3.6	3.7
5	4.0	3.9	4.5	6.8	6.7	4.3	2.1	1.6	2.0	2.9	3.2	4.4	4.7	4.7	5.0	6.3	2.0	-3.6	-12.0	-7.1	-5.1	-1.9	0.9	2.9	1.8
6	2.4	5.0	5.4	8.6	14.2	5.1	5.5	4.1	4.0	2.3	4.9	6.1	10.0	6.0	3.2	6.1	-2.0	-1.0	-1.0	-2.0	-1.1	1.1	2.8	3.1	3.9
7	4.8	5.4	6.0	6.9	6.0	5.0	4.0	4.5	5.9	5.5	5.0	9.1	1.8	7.9	6.8	7.0	7.0	5.2	3.7	2.7	2.0	2.1	3.0	3.2	5.0
8 Q	3.8	4.2	4.9	4.9	4.7	4.0	4.2	3.0	1.3	2.7	3.0	4.4	4.1	4.4	5.3	6.5	7.0	6.9	5.1	3.0	2.0	2.3	3.0	3.8	4.1
9	4.1	4.3	4.4	4.4	4.4	4.0	4.3	5.2	4.9	4.0	4.7	4.3	4.6	5.7	5.9	7.2	7.9	7.2	5.0	2.7	0.8	0.7	2.2	3.0	4.4
10	3.4	4.0	4.7	4.9	5.0	5.0	4.3	4.5	3.6	3.8	5.0	5.2	9.0	7.2	7.9	7.5	6.8	2.7	0.5	0.4	-0.9	-3.5	-3.9	0.0	3.6
11	1.9	3.2	4.1	6.9	9.1	10.5	8.1	9.2	10.8	15.7	6.7	8.1	13.6	14.0	10.7	6.2	3.0	-6.1	-6.3	-7.9	-8.0	-6.0	-3.9	-2.9	4.2
12	-0.9	2.0	1.1	4.4	5.3	6.2	5.2	5.6	5.8	4.7	4.1	3.6	4.4	4.1	5.9	7.0	8.0	7.1	6.1	4.5	2.8	2.0	2.2	2.6	4.3
13	3.3	4.1	4.8	4.9	4.9	4.4	4.1	3.8	3.4	3.4	3.1	3.4	3.9	4.2	5.3	6.3	5.2	5.9	3.6	2.1	2.2	1.3	1.1	-1.1	3.6
14	-2.8	2.0	5.1	6.2	7.0	5.6	5.7	5.3	5.7	5.2	5.0	5.0	4.2	4.6	5.0	5.9	6.9	7.5	5.9	3.8	2.0	0.5	1.0	2.1	4.4
15	3.1	4.5	4.9	4.6	8.1	9.2	6.5	5.0	1.2	4.1	3.2	0.7	-1.9	2.0	4.0	5.1	6.5	6.5	5.1	4.2	2.2	1.6	2.1	2.3	3.9
16	2.2	3.1	4.0	4.5	5.1	5.7	9.9	6.6	6.1	4.2	5.2	4.1	3.9	2.7	3.1	4.2	6.4	6.6	5.1	4.7	3.9	2.6	1.3	2.1	4.5
17	2.7	3.6	10.9	6.2	5.4	5.1	5.0	4.4	4.1	3.7	2.6	2.6	3.5	4.0	4.1	5.2	6.0	5.1	3.8	4.0	3.7	3.1	3.0	3.0	4.4
18 Q	3.5	4.0	5.2	6.5	4.7	4.6	4.1	3.7	3.6	3.6	4.1	4.1	4.1	4.9	4.9	5.8	6.5	5.9	5.1	4.0	2.7	2.1	2.1	2.4	4.3
19 Q	3.2	4.0	4.3	4.6	5.1	5.3	4.5	3.6	3.7	3.6	3.4	3.6	4.1	4.7	4.7	5.0	6.2	6.1	4.1	3.1	2.7	2.2	2.7	3.1	4.1
20 Q	3.6	4.1	4.3	4.3	4.5	4.2	6.1	7.7	8.6	5.3	1.3	6.1	5.7	4.6	4.8	6.1	7.0	6.6	4.1	3.5	2.4	1.6	2.2	3.5	4.7
21	3.6	4.2	4.4	4.5	5.1	3.7	3.6	3.6	4.1	2.5	2.0	4.4	4.2	4.1	4.6	5.2	6.1	5.5	5.1	4.0	3.5	2.6	2.5	2.5	4.0
22	3.3	3.7	4.3	4.2	5.4	4.9	4.1	3.7	3.3	4.6	3.0	6.1	7.1	2.4	4.2	4.0	5.0	1.4	0.1	-0.8	-1.4	0.6	1.0	2.1	3.2
23	3.0	4.0	4.1	4.1	5.4	8.6	7.6	6.3	14.1	4.5	5.4	9.1	13.1	15.5	9.3	9.2	9.1	7.2	4.2	2.5	1.7	1.3	1.2	-1.9	6.2
24	1.3	3.7	5.1	4.9	4.9	10.8	7.6	6.3	3.1	2.0	5.1	7.8	8.8	1.3	6.4	6.1	3.7	6.1	3.9	2.9	2.9	2.1	2.1	2.1	4.6
25 Q	3.1	4.0	4.6	5.0	5.0	4.7	4.1	5.1	5.6	5.2	4.0	3.1	3.7	4.1	4.9	6.2	7.0	8.1	6.3	4.9	3.1	2.1	1.8	2.2	4.5
26	2.8	3.7	4.6	5.4	5.3	2.1	6.2	2.8	2.1	3.2	4.1	6.9	7.0	6.1	5.0	5.8	6.6	4.8	3.2	3.0	2.6	1.6	1.2	0.1	4.0
27	1.4	1.8	0.1	4.8	9.2	6.0	5.3	9.1	9.3	6.2	8.2	7.5	6.1	7.6	6.2	6.8	8.2	8.0	6.2	4.3	2.1	1.2	1.3	2.4	5.4
28 D	3.4	3.1	3.2	5.0	5.1	5.1	6.2	12.4	8.4	10.1	19.2	13.2	10.9	7.2	5.0	-14.8	-19.2	1.2	8.2	4.5	3.1	1.0	1.0	1.3	4.3
29	3.2	5.2	9.7	6.3	6.2	5.3	4.1	4.2	3.7	4.2	5.1	-0.1	8.1	4.8	1.1	6.2	8.4	7.5	4.7	1.2	0.6	1.2	0.6	2.4	4.3
30 D	3.8	4.9	4.9	3.3	11.3	15.8	6.0	4.2	6.1	-1.8	0.4	3.7	-6.9	-2.6	-3.9	-2.0	-0.5	-1.2	4.4	3.7	2.2	3.3	2.0	2.7	2.7
31	3.2	3.3	4.2	5.3	7.8	7.9	6.2	3.3	3.3	4.2	4.4	-0.7	-0.7	1.3	6.0	7.1	6.8	6.7	1.6	0.3	0.3	-0.3	1.6	2.7	3.6
Mean	2.4	4.1	5.1	5.8	6.6	6.5	5.6	5.3	5.2	4.6	5.9	7.3	6.1	6.0	4.1	4.9	4.2	4.1	3.1	2.2	1.7	1.8	1.9	2.2	4.4

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 36 Meanook

z = 58,000 γ +

December 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	748	747	747	747	747	751	745	743	790	722	668	383	708	907	428	611	766	743	761	765	766	777	778	792	722
2 D	821	868	805	778	769	738	716	712	648	572	709	755	552	385	357	722	744	820	815	820	829	803	744	675	715
3 D	614	701	659	755	754	722	668	755	841	778	566	528	581	597	636	675	689	737	755	766	785	800	787	769	705
4	770	778	777	777	784	771	763	745	658	597	681	704	690	740	754	744	744	756	758	763	765	767	767	767	743
5	765	760	760	760	761	761	752	735	756	760	758	756	756	755	754	755	749	735	744	764	751	767	777	768	757
6	778	769	775	783	805	777	756	755	760	758	763	745	708	659	627	665	663	706	789	791	778	771	765	765	746
7	764	764	761	755	753	749	744	747	724	688	743	723	686	741	761	763	760	759	757	759	760	760	757	757	742
8 Q	757	756	755	754	753	754	754	754	747	757	757	754	754	754	754	754	752	748	749	749	752	754	756	756	754
9	754	753	752	751	751	752	753	751	747	730	738	743	746	754	754	754	752	751	754	754	755	759	757	754	751
10	754	752	752	754	753	753	752	751	750	751	740	681	697	743	756	754	753	750	747	749	754	764	770	770	748
11	775	777	787	795	799	782	766	703	603	538	625	626	619	646	668	680	689	689	704	723	742	744	753	764	708
12	775	777	809	805	776	760	753	753	753	753	753	751	743	751	751	755	755	754	750	753	754	754	754	754	760
13	754	754	754	753	753	753	753	753	753	753	753	753	752	752	752	753	753	747	743	744	751	753	755	763	752
14	768	770	766	765	762	764	760	755	744	754	754	754	753	753	753	754	753	751	750	750	750	750	750	750	756
15	751	753	754	755	770	756	753	733	690	681	705	698	683	711	729	740	743	743	748	750	750	750	755	755	736
16	754	754	754	756	760	759	753	742	742	735	731	733	743	743	744	754	753	752	748	751	751	751	751	751	749
17	754	754	762	755	755	754	750	743	739	738	731	738	743	746	746	746	743	742	744	746	748	749	750	752	747
18 Q	752	750	752	754	754	752	744	744	746	746	746	746	743	743	744	746	746	746	747	747	747	747	747	747	747
19 Q	746	746	746	746	747	747	746	744	744	744	744	744	744	744	744	746	746	744	744	746	752	752	752	753	746
20 Q	752	750	751	751	753	753	744	723	736	741	722	710	731	747	751	750	749	746	744	744	747	749	753	751	744
21	751	749	750	753	754	753	751	749	743	738	730	743	743	743	743	746	744	743	743	743	744	746	747	748	746
22	746	746	747	747	750	751	747	744	743	738	733	735	728	709	688	720	730	735	736	743	741	743	743	746	737
23	749	751	756	763	773	765	765	751	743	747	724	676	630	678	742	750	750	743	744	747	751	752	749	750	740
24	754	754	751	754	765	755	740	735	731	721	709	701	713	736	722	725	735	734	736	744	754	754	754	751	739
25 Q	746	744	746	746	746	744	743	742	733	729	737	742	743	743	743	744	744	743	744	746	747	747	747	747	743
26	746	746	746	746	746	738	743	733	718	713	722	720	718	721	731	734	735	734	734	743	743	744	744	753	735
27	748	752	770	779	780	756	764	734	744	735	743	723	690	721	744	750	745	743	743	744	744	744	744	744	745
28 D	744	745	752	755	755	754	742	711	700	614	603	613	666	715	703	643	649	721	741	745	747	754	766	761	713
29	773	787	777	776	766	754	745	744	741	714	696	702	721	729	734	745	745	744	744	745	747	748	756	755	745
30 D	754	753	755	779	787	769	768	761	735	662	692	682	664	671	689	723	749	753	744	753	755	761	765	765	737
31	756	755	755	760	761	756	745	744	744	734	722	717	691	724	732	742	740	739	734	735	745	745	753	753	741
Mean	754	759	758	762	763	755	748	742	734	714	716	703	705	718	708	730	738	744	748	752	755	757	747	754	740

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

Hour U. T. Month Season	Hour to Hour																								
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	
HORIZONTAL INTENSITY (gammas) (All Days)																									
Table 37 Meanook																								1961	
January	+24	+25	+32	+26	+24	+22	+9	-19	-35	-32	-46	-58	-32	-22	+8	+7	+1	+2	0	+2	+7	+14	+23	+24	
February	+38	+34	+38	+36	+38	+24	+22	+3	-39	-65	-93	-79	-60	-26	-3	+9	+14	+11	+7	+3	+8	+19	+23	+41	
March	+28	+32	+32	+46	+39	+36	+15	-11	-56	-80	-63	-32	-31	-11	+10	+15	+3	-5	-3	-3	0	+9	+15	+26	
April	+28	+37	+42	+24	+29	+17	+3	-11	-26	-42	-57	-29	-10	-15	-1	-5	-5	-12	-14	-6	-2	+5	+21	+27	
May	+37	+49	+45	+37	+30	+12	-15	-28	-47	-65	-56	-31	-11	-11	+2	+8	+4	-1	-6	-4	+1	+6	+13	+25	
June	+55	+63	+46	+40	+34	+20	+4	-23	-49	-66	-57	-50	-50	-16	-2	+10	+5	-11	-13	-10	-5	+5	+27	+35	
July	+68	+97	+100	+86	+55	+12	-14	-49	-72	-78	-87	-88	-80	-55	-53	-44	-21	-13	-3	+14	+26	+46	+54	+75	
August	+36	+45	+40	+37	+36	+23	-8	-27	-31	-29	-38	-33	-45	-17	-1	+8	-1	-10	-11	-11	-4	+6	+19	+28	
September	+24	+22	+29	+27	+26	+22	-19	-17	-14	-47	-54	-41	-24	-1	+9	+3	-6	-6	-12	-5	+3	+6	+30	+46	
October	+45	+50	+31	+35	+23	+11	-13	-1	-27	-45	-27	-24	-26	-15	-11	-11	-18	-12	-8	-5	+2	+12	+17	+16	
November	+16	+21	+24	+22	+19	+17	+9	-14	-41	-29	-19	-20	-21	-14	+1	+7	+5	-4	-7	-9	0	+8	+8	+12	
December	+21	+40	+33	+26	+21	+18	+14	0	-27	-34	-49	-62	-40	-38	-25	-10	+3	+7	+7	+5	+6	+14	+16	+23	
Year	+37.7	+42.9	+41.0	+36.8	+31.2	+19.4	+0.6	-16.4	-38.7	-61.0	-53.8	-44.8	-35.8	-20.1	-5.5	-0.2	-1.3	-4.5	-5.2	-2.4	+3.5	+12.5	+22.2	+31.5	
Winter	+27.8	+30.0	+31.8	+27.5	+25.5	+20.2	+13.5	-7.5	-35.5	-40.0	-51.8	-62.3	-38.2	-25.0	-4.8	+3.2	+5.8	+4.0	+1.8	+0.3	+5.2	+13.8	+17.5	+25.0	
Equinox	+31.2	+35.2	+33.5	+33.0	+29.2	+21.2	-3.5	-10.0	-30.8	-53.5	-50.2	-31.5	-22.8	-10.5	+1.8	+0.5	-6.5	-8.8	-9.2	-4.8	+0.8	+8.0	+20.8	+28.8	
Summer	+54.0	+63.5	+57.8	+50.0	+38.8	+16.8	-8.2	-31.8	-49.8	-59.5	-59.5	-50.5	-46.5	-24.8	-13.5	-4.5	-3.2	-8.8	-8.2	-2.8	+4.5	+15.8	+28.2	+40.8	
DECLINATION (minutes) (All Days)																									
Table 38 Meanook																								1961	
January	-1.2	-0.7	0.0	+1.5	+3.1	+1.2	+0.7	-1.8	-0.6	+2.2	+2.4	+1.6	+3.2	+1.1	+1.8	+1.8	+0.1	-0.4	-1.3	-2.5	-3.4	-3.4	-2.8	-1.9	
February	-2.2	-1.5	-0.8	+0.3	+0.7	+1.5	+2.2	-0.9	-0.7	-1.9	-0.8	+3.9	+4.2	+1.4	+1.3	+2.0	+2.4	+1.8	-0.1	-1.2	-2.9	-3.6	-3.5	-2.7	
March	-2.9	-2.7	-1.9	-0.7	+1.1	+1.7	+0.3	0.0	-0.7	-0.6	+1.1	+1.4	+1.0	+1.4	+3.6	+5.1	+4.8	+2.8	+0.8	-1.6	-3.8	-4.4	-3.6	-3.0	
April	-5.3	-4.3	-2.2	-1.4	-1.5	+0.3	-1.3	-1.0	-1.4	+1.1	+1.2	+3.6	+3.8	+4.6	+7.0	+6.8	+6.4	+4.6	+0.8	-2.2	-3.8	-4.9	-5.3	-5.5	
May	-6.0	-4.4	-2.2	-1.1	-0.7	+0.9	-0.6	-0.1	-0.6	+0.3	-0.1	+0.8	+3.6	+5.9	+8.0	+8.8	+8.0	+5.7	+2.2	-2.4	-5.0	-6.3	-7.1	-6.7	
June	-5.4	-3.6	-2.9	-2.3	-2.3	-1.2	-2.2	-1.4	+0.6	+0.7	-0.9	-1.3	+4.1	+7.6	+9.6	+9.8	+8.7	+6.2	+1.5	-2.0	-5.1	-5.9	-5.9	-6.2	
July	-4.2	-4.7	-4.2	-2.9	-0.1	-2.1	-2.3	-0.2	-6.4	-3.9	-1.6	-0.1	+3.8	+7.2	+10.0	+12.3	+8.9	+7.1	+2.5	-1.7	-3.7	-4.6	-4.9	-4.9	
August	-4.0	-1.8	-1.8	-1.3	-1.3	-1.3	+0.3	-0.4	-0.3	+0.4	-0.1	+1.3	+3.3	+7.2	+9.5	+10.3	+9.1	+4.8	-0.2	-5.1	-8.2	-8.3	-7.0	-5.0	
September	-2.1	-1.1	-0.5	-0.5	+0.8	-0.3	-2.2	-2.4	+0.4	-0.6	+2.2	+2.0	+3.9	+5.6	+6.4	+6.4	+5.4	+2.4	-2.3	-5.2	-6.3	-5.1	-4.7	-2.6	
October	-1.9	-1.4	-3.1	-0.5	-0.8	-1.6	-0.1	-0.4	-1.0	+1.5	+2.6	+2.9	+4.5	+2.4	+2.9	+4.5	+3.7	+2.2	-0.5	-1.2	-2.7	-4.2	-4.3	-3.6	
November	-1.9	-1.1	+0.3	+0.8	+1.5	+1.6	+0.7	+0.4	+0.8	+0.8	+2.3	+2.4	+0.6	+1.1	+0.6	+1.0	+2.2	+1.4	-0.8	-3.0	-3.9	-3.5	-2.9	-2.6	
December	-2.0	-0.3	+0.7	+1.4	+2.2	+2.1	+1.2	+0.9	+0.8	+0.2	+1.5	+2.9	+1.7	+1.6	-0.3	+0.5	-0.2	-0.3	-1.3	-2.2	-2.7	-2.6	-2.5	-2.2	
Year	-3.3	-2.3	-1.6	-0.6	+0.2	+0.2	-0.3	-0.6	-0.7	0.0	+0.8	+1.8	+3.1	+3.9	+5.0	+5.8	+5.0	+3.2	+0.1	-2.5	-4.3	-4.7	-4.5	-3.9	
Winter	-1.8	-0.9	0.0	+1.0	+1.9	+1.6	+1.2	-0.4	+0.1	+0.3	+1.4	+2.7	+2.4	+1.3	+0.8	+1.3	+1.1	+0.6	-0.9	-2.2	-3.2	-3.3	-2.9	-2.4	
Equinox	-3.1	-2.4	-1.9	-0.8	-0.1	0.0	-0.8	-1.0	-0.7	+0.4	+1.8	+2.5	+3.3	+3.5	+5.0	+5.7	+5.1	+3.0	-0.3	-2.6	-4.2	-4.6	-4.5	-3.7	
Summer	-4.9	-3.6	-2.8	-1.9	-1.1	-0.9	-1.2	-0.5	-1.4	-0.6	-0.7	+0.2	+3.7	+7.0	+9.3	+10.3	+8.7	+6.0	+1.5	-2.8	-5.5	-6.3	-6.2	-5.7	
VERTICAL INTENSITY (gammas) (All Days)																									
Table 39 Meanook																								1961	
January	+21	+24	+27	+30	+26	+22	+12	-24	-23	-26	-22	-45	-41	-29	-22	-12	-1	+6	+12	+15	+17	+22	+22	+22	
February	+19	+9	+23	+24	+20	+17	+7	-17	-31	-29	-34	-38	-32	-20	-16	-7	+2	+5	+8	+14	+18	+21	+22	+23	
March	+16	+17	+17	+25	+30	+18	+12	-14	-35	-49	-32	-28	-17	-29	-7	-1	-2	-3	+4	+7	+11	+15	+19	+16	
April	+19	+24	+38	+18	+24	+11	0	-17	-29	-28	-30	-31	-29	-24	-13	-12	-7	+1	+6	+13	+16	+20	+22	+18	
May	+35	+37	+35	+35	+33	+4	-13	-33	-41	-52	-41	-34	-22	-19	-9	0	+3	+2	+3	+6	+11	+16	+22	+30	
June	+35	+42	+29	+31	+25	+6	-1	-6	-47	-47	-44	-38	-34	-24	-20	-7	0	-1	-1	+3	+11	+21	+28	+31	
July	+44	+44	+39	+40	+28	+3	-14	-39	-42	-54	-45	-25	-30	-44	-31	-16	-8	-4	-2	+11	+20	+34	+36	+47	
August	+30	+34	+32	+27	+16	+12	-11	-14	-17	-41	-48	-25	-26	-24	-18	-9	-3	-3	+1	+5	+9	+15	+22	+27	
September	+25	+25	+27	+27	+10	+1	-23	-25	-25	-48	-45	-45	-27	-17	-9	-1	+1	+4	+8	+14	+30	+25	+34	+32	
October	+15	+4	+8	+8	+5	+6	-10	-5	-28	-37	-10	+7	-17	0	+3	-4	+3	+9	+7	+4	+5	+11	+14	+14	
November	+21	+22	+24	+26	+20	+16	+3	-27	-48	-37	-28	-23	-25	-23	-12	-6	+2	+4	+8	+10	+16	+16	+16	+18	
December	+14	+19	+18	+22	+23	+15	+8	+2	-6	-26	-24	-37	-35	-22	-32	-10	-2	+4	+8	+12	+15	+17	+7	+14	
Year	+24.5	+25.1	+26.4	+26.1	+21.7	+9.9	-2.5	-18.2	-31.0	-39.5	-33.6	-30.2	-27.9	-22.9	-15.5	-7.3	-1.9	+1.4	+4.7	+9.2	+14.8	+19.0	+22.0	+24.3	
Winter	+18.8	+18.5	+23.0	+25.5	+22.3	+17.5	+7.5	-16.5	-27.0	-29.5	-27.0	-35.8	-33.2	-23.5	-20.5	-9.5	-2.5	+3.0	+7.5	+12.0	+16.0	+17.8	+16.8	+19.2	
Equinox	+18.8	+17.5	+22.5	+19.5	+17.2	+6.0	-5.2	-15.2	-29.2	-40.5	-29.2	-24.2	-22.5	-17.5	-6.5	-4.5	-1.2	+2.8	+6.3	+9.5	+15.5	+17.8	+22.2	+20.0	
Summer	+36.0	+39.2	+33.8	+33.2	+25.5	+6.2	-9.8	-23.0	-36.8	-48.5	-44.5	-30.5	-28.0	-27.8	-19.5	-8.0	-2.0	-1.5	+0.2	+6.2	+12.8	+21.5	+27.0	+33.8	

PUBLICATIONS OF THE DOMINION OBSERVATORY

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

Hour Month Season	U. T.																								
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	
HORIZONTAL INTENSITY (gammas) (Quiet Days)																									
Table 40 Meanook																								1961	
January	+2	+4	+4	+4	+3	+1	0	-1	-3	-2	-9	-2	+5	+6	+9	+9	+4	-3	-6	-7	-8	-7	-2	0	
February	+1	+3	+2	+1	+1	0	0	+1	-1	+1	+3	+4	+5	+6	+8	+6	+3	-2	-7	-8	-11	-8	-6	-2	
March	0	+1	+5	+7	+8	+9	+8	+8	+7	+5	+6	+6	+7	+8	+8	+8	+8	-11	-22	-24	-20	-10	-9	-6	
April	+5	+11	+5	+7	+8	+6	+12	+3	-3	-4	+8	+2	+4	+5	+10	+10	0	-10	-19	-21	-20	-18	-10	0	
May	-1	+3	+4	+7	+7	+9	+3	+2	-5	-4	+4	+8	+8	+14	+16	+11	+4	-5	-20	-27	-27	-20	-4	+13	
June	+14	+18	+10	+8	+2	-1	-3	-2	+2	+3	+1	-3	+8	+15	+15	+11	-3	-15	-21	-24	-22	-17	-6	+9	
July	+1	+13	+15	+17	+19	+13	+7	-14	-27	-64	-11	+1	+10	+16	+23	+18	+5	-4	-11	-12	-11	-10	-3	+6	
August	+7	+15	+6	+7	+9	+10	+11	+9	+8	+12	+10	+8	0	+3	+10	+1	-14	-26	-29	-25	-20	-13	-2	+3	
September	+3	+2	+3	+3	+3	+5	+5	+5	+8	+10	+9	+10	+10	+7	+5	-2	-18	-27	-26	-20	-7	+1	+5	+5	
October	+1	+4	+6	+6	+5	+4	+4	+4	+4	+5	+7	+9	+10	+10	+9	+5	0	-9	-20	-23	-20	-13	-7	-1	
November	+2	+4	+4	+4	+4	+3	+2	+1	+1	+2	+2	+2	+5	+8	+7	+4	0	-7	-14	-16	-13	-7	-2	+4	
December	+5	+5	+2	0	0	0	0	-2	-2	0	-1	0	+4	+7	+7	+7	+3	-3	-8	-10	-10	-6	0	+4	
Year	+4.2	+6.9	+5.5	+5.9	+5.7	+4.9	+4.1	+1.2	-0.9	-3.0	+2.4	+3.8	+6.2	+8.7	+10.6	+7.3	-1.3	-10.2	-16.9	-18.1	-15.8	-10.7	-3.8	+2.9	
Winter	+2.5	+4.0	+3.0	+2.2	+2.0	+1.0	+0.5	-0.2	-1.2	+0.2	-1.2	+1.0	+4.8	+6.8	+7.8	+6.5	+2.5	-3.8	-8.8	-10.2	-10.5	-7.0	-2.5	+1.5	
Equinox	+4.8	+4.5	+4.8	+5.8	+6.0	+6.0	+7.2	+5.0	+4.0	+4.0	+7.5	+6.8	+7.2	+7.2	+8.0	+5.2	-4.5	-14.2	-21.8	-22.0	-16.8	-10.0	-5.2	-0.5	
Summer	+5.2	+12.2	+8.8	+9.8	+9.2	+7.8	+4.5	-1.2	-5.5	-13.2	+1.0	+3.5	+6.5	+12.0	+16.0	+10.2	-2.0	-12.5	-20.2	-22.0	-20.0	-15.0	-3.8	+7.8	
DECLINATION (minutes) (Quiet Days)																									
Table 41 Meanook																								1961	
January	-0.8	-0.7	+0.1	+0.1	-0.5	-0.3	-1.5	-1.2	-0.7	+1.1	-0.5	+0.6	+1.0	+1.3	+1.4	+2.2	+2.6	+2.3	+1.2	-0.2	-1.7	-2.5	-2.0	-1.2	
February	-1.4	-0.9	-0.4	+0.1	-0.2	-0.1	-0.1	-0.1	+0.4	+0.5	+0.4	+0.3	+0.6	+0.5	+0.8	+2.2	+2.5	+2.1	+1.1	-0.3	-1.9	-2.4	-2.0	-1.7	
March	-3.9	-3.0	-1.9	-1.2	-1.1	-1.0	-0.6	+0.6	+0.5	-0.2	0.0	+0.2	+0.3	+1.4	+3.1	+4.8	+7.1	+6.1	+3.4	+0.1	-2.8	-4.0	-4.0	-4.0	
April	-4.2	-3.8	-3.3	-2.0	-1.2	-1.1	+0.6	-1.0	-0.5	-1.5	+0.5	-0.6	+1.1	+2.7	+5.9	+8.0	+8.0	+6.8	+3.6	-0.3	-2.4	-4.2	-5.3	-6.7	
May	-5.0	-3.5	-1.9	-1.6	-0.3	+1.2	+0.5	-1.2	-1.3	-0.4	-0.2	+0.6	+2.4	+5.6	+8.2	+9.0	+9.4	+7.9	+3.9	-1.4	-5.7	-8.6	-9.1	-8.5	
June	-4.2	-2.7	-1.4	-1.1	-0.8	-0.8	-1.7	-1.4	-1.6	-1.1	-0.7	-1.1	+2.7	+6.4	+8.6	+9.5	+8.6	+7.0	+3.3	-1.6	-5.1	-6.5	-7.4	-6.9	
July	-3.8	-2.9	-1.8	-2.6	-0.4	-1.0	+1.0	+0.3	+0.4	-2.8	-2.6	-1.4	+2.2	+7.2	+10.2	+11.3	+9.5	+7.1	+1.7	-3.7	-6.1	-7.4	-7.6	-6.8	
August	-2.6	-1.4	-0.9	-1.4	-2.0	-0.7	-0.8	-1.1	-1.1	-0.3	+0.8	+1.1	+2.7	+6.1	+8.6	+9.1	+8.7	+5.4	+0.5	-4.7	-7.3	-7.3	-6.7	-4.6	
September	-1.0	-1.4	-1.6	-1.5	-1.4	-1.2	-1.1	-0.7	+0.7	+0.9	+0.7	+1.0	+2.3	+4.2	+6.2	+7.2	+6.7	+4.3	-0.8	-4.7	-5.9	-5.5	-4.3	-2.9	
October	-1.8	-1.5	-0.9	-0.7	-0.8	-0.6	-0.7	-0.2	+0.4	+1.0	+0.7	+0.9	+0.7	+1.3	+2.4	+4.0	+4.9	+4.7	+2.1	-1.8	-4.0	-4.1	-3.4	-2.7	
November	-0.6	-0.4	-0.2	+0.2	0.0	-0.1	-0.5	-0.3	-0.2	-0.6	-0.4	0.0	+0.2	+0.8	+1.4	+2.8	+3.9	+3.5	+1.0	-1.0	-2.2	-2.5	-2.2	-2.2	
December	-0.9	-0.3	+0.3	+0.7	+0.5	+0.2	+0.3	+0.3	+0.2	-0.2	-1.2	-0.1	0.0	+0.2	+0.6	+1.6	+2.4	+2.4	+0.6	-0.6	-1.7	-2.3	-2.0	-1.3	
Year	-2.5	-1.9	-1.2	-0.9	-0.7	-0.5	-0.4	-0.5	-0.2	-0.3	-0.2	+0.1	+1.4	+3.1	+4.8	+6.0	+6.2	+5.0	+1.8	-1.7	-3.9	-4.8	-4.7	-4.0	
Winter	-0.9	-0.6	-0.1	+0.3	0.0	-0.1	-0.5	-0.3	-0.1	+0.2	-0.4	+0.2	+0.5	+0.7	+1.0	+2.2	+2.8	+2.6	+1.0	-0.5	-1.9	-2.4	-2.1	-1.6	
Equinox	-2.7	-2.4	-1.9	-1.4	-1.1	-1.0	-0.4	-0.3	+0.3	0.0	+0.5	+0.4	+1.1	+2.4	+4.4	+6.0	+6.7	+5.5	+2.1	-1.7	-3.8	-4.4	-4.2	-3.8	
Summer	-3.9	-2.6	-1.5	-1.7	-0.9	-0.3	-0.2	-0.8	-0.9	-1.2	-0.7	-0.2	+2.5	+6.3	+8.9	+9.7	+9.0	+6.8	+2.4	-2.8	-6.0	-7.5	-7.7	-6.7	
VERTICAL INTENSITY (gammas) (Quiet Days)																									
Table 42 Meanook																								1961	
January	+4	+4	+6	+6	+4	+4	+3	+3	+1	-5	-12	-15	-11	-7	-2	0	-1	-1	+2	+3	+3	+4	+4	+4	
February	+3	+3	+4	+3	+3	+3	+2	+2	0	-4	-2	-1	-4	-4	-4	-1	-1	-3	-4	-2	0	+2	+3	+2	
March	+5	+7	+6	+6	+8	+9	+9	+5	-1	-4	-3	-5	-7	-7	-5	-2	-3	-8	-8	-6	-3	+2	+3	+2	
April	+22	+15	+14	+11	+14	+11	+11	-10	-20	-33	-13	-20	-10	-5	+1	+1	+1	0	-1	-1	+1	+2	+2	+5	
May	+10	+11	+12	+14	+16	+16	+5	-4	-28	-30	-15	-4	0	+1	0	-2	-6	-8	-5	-3	+2	+9	+16		
June	+16	+16	+12	+10	+11	+6	0	-2	-4	-12	-17	-29	-14	-8	-3	0	-1	-1	-6	-6	-2	+3	+9	+18	
July	+26	+30	+30	+24	+24	+16	-7	-33	-52	-52	-39	-17	-3	+3	+4	+5	+1	-1	-5	-3	+4	+9	+16	+22	
August	+8	+12	+14	+13	+12	+7	+1	+3	-3	-2	-3	-4	-11	-17	-6	-2	-3	-8	-6	-4	-2	+3	+6	+6	
September	+2	+2	+2	+2	+1	+1	+2	+2	-1	-1	0	-4	-1	-2	-2	+1	0	-3	-1	+1	+1	-1	-2	-2	
October	+1	+1	+1	0	0	+1	+3	+1	-2	-4	-2	-1	-1	0	+1	+2	+2	+1	-1	-3	-2	0	+2	+2	
November	+4	+3	+2	+2	+2	+1	+1	+1	-4	-3	-5	-7	-6	-5	-3	-2	0	+2	+1	+1	+3	+4	+3	+2	
December	+4	+2	+3	+3	+4	+3	0	-5	-6	-3	-6	-8	-3	0	+1	+1	0	-2	-1	-1	+2	+3	+4	+4	
Year	+8.8	+8.8	+8.8	+7.8	+8.2	+6.5	+2.5	-3.2	-9.9	-12.9	-9.9	-9.5	-5.8	-4.1	-1.4	+0.2	-0.8	-2.7	-3.3	-2.3	0.0	+2.3	+4.8	+6.8	
Winter	+3.8	+3.0	+3.7	+3.5	+3.2	+2.8	+1.5	-1.0	-2.0	-4.2	-6.8	-7.5	-5.7	-3.5	-1.8	0.0	0.0	-1.0	-0.5	+0.2	+2.0	+3.2	+3.5	+3.0	
Equinox	+7.5	+6.2	+5.8	+4.8	+5.8	+5.5	+6.2	-0.5	-6.0	-10.5	-4.5	-7.5	-4.8	-3.5	-1.2	+0.5	0.0	-2.5	-2.7	-2.2	-0.8	+0.8	+1.5	+1.8	
Summer	+15.0	+17.2	+17.0	+15.2	+15.7	+11.2	-0.2	-8.0	-21.8	-24.0	-18.5	-13.5	-7.0	-5.2	-1.2	+0.2	-2.3	-4.5	-6.8	-5.0	-1.2	+3.0	+9.3	+15.5	

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

Hour Month Season	U. T.																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
HORIZONTAL INTENSITY (gammas) (Disturbed Days)																								
Table 43. Meanook																								
January	+91	+88	+123	+96	+86	+76	+24	-109	-170	-128	-170	-177	-55	-41	-7	-31	-36	-3	+16	+27	+46	+69	+98	+88
February	+116	+91	+119	+89	+92	+81	+81	+14	-69	-129	-294	-225	-186	-113	-21	+33	+46	+20	+11	+5	+31	+73	+80	+155
March	+121	+134	+113	+168	+137	+104	+61	+18	-242	-374	-383	-196	-157	-86	+42	+72	+56	+30	+55	+60	+62	+68	+67	+78
April	+101	+144	+141	+46	+94	+26	-58	-40	-22	-171	-244	-124	-29	-57	-11	-30	-28	-30	-12	+21	+35	+50	+101	+108
May	+97	+125	+79	+86	+91	+9	-75	-63	-119	-216	-257	-113	-46	-99	-24	+30	+51	+52	+50	+67	+66	+63	+68	+77
June	+203	+210	+175	+155	+125	+73	+28	-73	-159	-225	-157	-226	-300	-127	-46	+9	+11	-12	-6	+17	+34	+54	+112	+127
July	+248	+272	+234	+211	+148	+45	+10	+69	-192	-197	-221	-275	-293	-230	-276	-223	-117	-69	-19	+80	+157	+206	+200	+230
August	+131	+172	+152	+127	+105	+28	-78	-103	-114	-66	-143	-155	-254	-141	-38	+7	+15	+24	+39	+37	+41	+58	+75	+80
September	+54	+50	+75	+54	+48	+49	-96	-56	-49	-78	-168	-80	-89	-70	-7	-5	+7	+2	+4	+12	+12	+41	+96	+180
October	+256	+234	+114	+98	+47	+28	-55	-9	-93	-252	-179	-159	-179	-106	-78	-75	-94	-13	+46	+67	+77	+120	+120	+96
November	+70	+81	+96	+63	+74	+54	+29	-57	-142	-119	-85	-90	-91	-100	-51	+3	+22	+6	+18	+9	+39	+62	+41	+48
December	+147	+199	+165	+132	+109	+85	+72	+10	-102	-147	-276	-273	-193	-252	-196	-106	+3	+61	+67	+75	+80	+111	+112	+118
Year	+136.2	+150.0	+132.2	+112.1	+95.5	+50.7	-9.8	-33.2	-122.8	-175.2	-214.8	-174.4	-156.0	-118.5	-58.2	-26.3	-5.3	+5.7	+22.4	+38.9	+56.7	+81.2	+97.5	+115.4
Winter	+106.0	+114.5	+125.8	+100.0	+90.2	+61.5	+39.0	-35.5	-120.8	-130.8	-206.3	-191.2	-131.2	-126.5	-68.7	-25.2	+8.8	+21.0	+28.0	+29.0	+49.0	+78.8	+82.8	+102.2
Equinox	+133.0	+140.8	+110.8	+91.5	+79.0	+51.8	-39.5	-21.7	-101.5	-218.8	-243.5	-139.8	-113.5	-79.8	-10.0	-9.5	-14.8	-2.8	+23.2	+37.5	+46.5	+69.7	+96.0	+115.5
Summer	+169.7	+194.8	+160.0	+144.8	+117.2	+38.8	-28.8	-42.5	-146.0	-176.0	-194.5	-192.2	-223.2	-149.2	-96.0	-44.2	-10.0	-1.2	+16.0	+50.2	+74.5	+95.2	+113.8	+128.5
DECLINATION (minutes) (Disturbed Days)																								
Table 44. Meanook																								
January	+1.1	+1.1	-0.2	+6.2	+7.1	+3.9	-0.3	-7.7	+0.2	+4.4	+9.5	+5.2	+9.1	+0.7	+0.7	-3.7	-9.2	-7.2	-7.5	-5.4	-3.2	-2.6	-2.6	+0.4
February	-1.1	+1.6	+1.3	+0.6	+1.9	+1.1	+3.2	+0.8	-3.3	-8.5	-0.6	+5.2	+9.7	+0.9	-1.1	+2.5	+1.2	+0.2	-1.6	-1.9	-2.7	-2.9	-3.4	-3.1
March	-3.0	-4.0	-3.7	-0.8	+2.3	+3.4	+2.1	+1.4	-8.2	-0.5	+9.1	+4.3	+7.1	+1.5	+4.0	+3.5	+1.8	-1.5	-3.7	-4.1	-4.3	-3.2	-2.0	-1.4
April	-6.4	-5.0	-1.8	-2.5	-9.1	-0.2	-9.0	-1.1	-0.1	+0.3	+4.3	+12.0	+7.1	+5.4	+10.0	+5.7	+4.2	+2.0	-2.7	-3.7	-3.5	-2.8	-1.0	-1.9
May	-6.8	-6.1	-3.8	-3.9	-1.6	+2.8	-2.0	+1.7	-2.2	+1.0	+1.4	+2.8	+1.8	+7.3	+9.0	+9.0	+7.2	+4.7	+1.1	-2.9	-5.5	-5.6	-6.0	-3.4
June	-6.2	-6.6	-5.1	-8.1	-8.9	-6.8	-8.4	-1.8	+4.1	+3.7	-0.8	-3.0	+9.0	+14.0	+12.8	+9.9	+9.5	+6.6	+0.8	-1.2	-5.2	-3.7	-1.4	-4.2
July	-6.0	-8.0	-11.1	-7.8	-1.5	+2.0	-10.1	-3.4	-84.1	-24.8	-3.1	+5.9	+6.6	+11.0	+18.5	+30.0	+11.0	+12.6	+5.3	-1.4	+3.9	+3.8	+1.6	0.0
August	-6.6	+0.1	-1.5	-0.6	+0.7	-2.4	-2.2	-6.2	+0.5	+7.1	-1.5	-1.9	+5.8	+5.8	+11.5	+10.8	+9.1	+4.4	-1.4	-5.1	-8.2	-7.1	-6.0	-5.0
September	-2.5	-3.6	+1.3	+0.9	+4.7	-2.1	-2.9	-1.1	+2.8	+3.8	+5.4	+4.6	+3.1	+3.2	+4.2	+2.6	+2.7	+0.6	-4.2	-4.9	-6.1	-2.4	-5.6	-2.3
October	+0.6	-0.4	-17.4	+2.4	-2.9	-7.8	+3.4	-5.0	-14.7	-0.8	+7.0	+6.8	+16.6	+6.4	+7.1	+11.4	+3.2	+0.2	-2.2	+6.0	+3.5	-7.5	-7.7	-8.0
November	-2.3	-0.8	+1.9	+0.9	+1.8	+3.2	+3.1	+1.7	+4.5	+3.6	+8.4	+10.5	-0.4	+1.7	-4.8	-7.1	-0.9	-1.5	-2.6	-4.5	-4.4	-4.0	-3.8	-4.3
December	-5.1	-1.2	-0.2	+1.7	+2.6	+4.6	+1.4	+2.0	+2.3	+0.8	+8.4	+14.1	+3.9	+3.9	-8.6	-7.0	-9.8	-5.6	-1.4	-1.8	-1.4	+0.1	-1.5	-2.5
Year	-3.7	-2.7	-3.4	-0.9	-0.2	+0.2	-1.8	-1.6	-4.0	-0.8	+4.0	+5.5	+6.5	+5.1	+5.3	+5.6	+2.5	+1.3	-1.7	-2.6	-3.3	-3.2	-3.3	-3.0
Winter	-1.8	+0.2	+0.7	+2.4	+3.4	+3.2	+1.8	-0.8	+0.9	+0.1	+6.4	+8.7	+5.6	+1.8	-3.4	-3.8	-4.7	-3.5	-3.3	-3.4	-2.9	-2.4	-2.8	-2.4
Equinox	-2.8	-3.2	-5.4	0.0	-1.2	-1.7	-1.6	-1.5	-5.0	+0.7	+6.5	+6.9	+8.5	+4.1	+6.3	+5.8	+3.0	+0.3	-3.2	-1.7	-3.1	-4.1	-4.1	-3.4
Summer	-6.4	-4.9	-5.4	-5.1	-2.8	-1.0	-5.7	-2.4	-7.9	-3.2	-1.0	+1.0	+5.5	+9.5	+13.0	+14.9	+9.2	+7.1	+1.4	-2.6	-3.8	-3.2	-3.0	-3.2
VERTICAL INTENSITY (gammas) (Disturbed Days)																								
Table 45. Meanook																								
January	+47	+57	+67	+76	+61	+38	+19	-68	-45	-26	+5	-78	-47	-57	-91	-85	-72	-27	-2	+23	+43	+49	+63	+54
February	+29	-24	+48	+66	+45	+27	-12	-25	-105	-119	-70	-77	-41	-40	-40	-26	+1	+17	+30	+46	+62	+73	+68	+68
March	+21	+10	+2	+46	+73	+28	+23	+3	-85	-162	-57	-48	+5	-89	-17	+13	+15	+12	+28	+28	+31	+37	+39	+43
April	-4	+33	+64	-53	0	+5	-48	-20	+32	-38	-56	-23	-21	-38	-18	-32	-20	+10	+30	+59	+54	+54	+29	+1
May	+63	+83	+64	+53	+51	-101	-76	-65	-39	-28	-66	-52	-45	-76	-42	+1	+21	+23	+32	+33	+35	+35	+43	+54
June	+49	+72	+39	+48	+29	-26	+15	+65	-105	-71	-23	-49	-102	-79	-66	-26	-8	-3	+13	+29	+44	+58	+52	+44
July	+86	+52	+33	+16	-10	-56	+10	-8	+4	-53	+7	+82	+7	-149	-106	-72	-45	-28	-29	+30	+52	+62	+48	+56
August	+83	+119	+107	+63	+1	-8	-21	-40	-19	-89	-92	-52	-71	-97	-79	-39	-11	-1	+16	+26	+31	+50	+63	+60
September	+47	+47	+52	+36	+5	-9	-89	-61	-63	-113	-55	-57	-26	-54	-33	-11	+2	+13	+21	+33	+37	+64	+111	+101
October	+15	-70	-50	-40	-32	-28	-56	-6	-49	-101	-11	+93	-43	+44	+51	-7	+28	+63	+42	+22	+13	+41	+43	+38
November	+59	+60	+61	+65	+53	+38	-1	-53	-71	-92	-77	-60	-63	-89	-69	-49	-5	+5	+26	+34	+61	+57	+49	+60
December	+18	+44	+25	+44	+44	+28	+9	+18	+24	-49	-71	-126	-84	-63	-89	-156	-44	+1	+36	+45	+56	+60	+50	+34
Year	+42.8	+40.2	+42.7	+35.0	+26.7	-5.3	-18.9	-21.7	-43.4	-78.4	-47.2	-36.4	-44.2	-65.6	-55.5	-31.4	-7.8	+10.0	+21.0	+34.6	+43.4	+53.3	+54.8	+51.1
Winter	+38.2	+34.2	+50.2	+62.8	+50.8	+32.8	+3.8	-32.0	-49.2	-71.5	-53.2	-85.2	-58.8	-62.3	-89.0	-51.0	-18.8	+7.8	+24.8	+38.8	+56.0	+59.8	+57.5	+54.0
Equinox	+19.8	+5.0	+17.0	-2.8	+11.5	-1.0	-42.5	-21.0	-41.2	-103.5	-44.7	-8.8	-21.2	-34.2	-4.2	-9.2	+6.2	+24.5	+30.2	+35.5	+33.8	+49.0	+55.5	+45.8
Summer	+70.3	+81.5	+60.8	+45.0	+17.8	-47.8	-18.0	-12.0	-39.8	-60.2	-43.8	-15.2	-52.7	-100.2	-73.2	-34.0	-10.8	-2.2	+8.0	+29.5	+40.5	+51.2	+51.5	+53.5

PUBLICATIONS OF THE DOMINION OBSERVATORY

THREE-HOUR RANGE INDICES, MEANOOK 1961

Table 46

January					February				
	D	H	Z	K	D	H	Z	K	
1	2221 0000	2212 1100	2221 0000	2222 1100	0000 0111	0000 0000	0000 0000	0000 0111	
2	0012 1100	0013 1110	0013 2000	0013 2110	1000 0000	0000 0000	0000 0000	1000 0000	
3	0110 0100	1120 0111	0030 0000	1130 0111	0023 3221	1015 5322	0015 4310	1015 5322	
4	0010 0000	0010 0100	0010 0000	0010 0100	0132 4334	1133 6566	0223 5454	1233 6566	
5	0010 0011	1011 0111	0011 1000	1011 1111	3455 2110	5576 4211	3455 3100	5576 4211	
6	0123 2000	0125 2101	0034 3011	0135 3111	0055 3312	3276 5522	2065 3412	3276 5522	
7	0211 2111	1111 2111	2211 2200	2211 2211	1213 2202	3324 3112	2323 2102	3324 3112	
8	3355 1331	4466 3442	4444 2332	4466 3442	2021 1110	2131 1221	2033 2210	2133 2221	
9	0456 5322	2377 6434	2356 6443	2477 6444	1122 0100	1112 2100	1122 1100	1122 2100	
10	0022 2100	2034 2200	1024 2100	2034 2200	0022 0010	0021 0011	0021 0000	0022 0011	
11	0011 0000	0010 0000	0010 0000	0011 0000	2003 3100	2104 3100	1105 4000	2105 4100	
12	0020 1100	0121 1101	0020 1100	0121 1101	0000 0000	0000 0011	0000 0000	0000 0011	
13	0023 3210	1144 4011	0044 5101	1144 5211	0036 5421	1177 5522	0056 6321	1177 6522	
14	0000 0100	0000 0012	0000 0001	0000 0112	1000 0121	3111 2222	1000 0110	3111 2222	
15	2042 2112	2143 3113	1143 3103	2143 3113	0233 2100	2115 3210	1014 3000	2235 3210	
16	2242 0021	2365 1122	3253 0000	3365 1122	2146 5211	3268 6322	1167 5311	3268 6322	
17	1122 2110	2133 3111	1133 3100	2133 3111	0025 4333	1127 7435	0027 5334	1127 7435	
18	0033 5222	1124 7323	1135 6222	1135 7323	5567 5331	7677 7443	6767 5332	7677 7443	
19	2000 1443	2111 3445	3111 2443	3111 3445	1243 4211	3156 6322	2055 6311	3156 6322	
20	5556 5432	6677 6642	6666 5631	6677 6642	3345 4322	2456 7424	3465 5422	3456 7424	
21	0445 5310	1246 6411	1255 5310	1256 6411	2232 3222	3155 5433	2154 5323	3155 5433	
22	0055 4321	1167 6432	1065 5321	1167 6432	1342 2222	1245 5322	1154 3311	1355 5322	
23	2221 0110	2321 1111	2232 1101	2332 1111	1341 1110	2232 3221	2232 2100	2342 3221	
24	1343 3221	1253 5221	1254 4221	1354 5221	0320 0000	1441 1100	0340 0000	1441 1100	
25	1433 3221	2336 6322	2345 4211	2446 6322	0011 0000	0011 0001	0002 0000	0012 0001	
26	0133 3211	1113 5322	1023 4211	1123 5322	0000 0110	0000 0111	0000 0000	0000 0111	
27	1032 1200	1143 2201	1043 2100	1143 2201	0121 2110	0110 2211	0220 2000	0221 2211	
28	1001 2011	2112 3221	1023 2221	2123 3221	0233 3121	1335 5222	2334 4121	2335 5222	
29	2311 1111	2212 2222	2213 3201	2313 3222					
30	0212 0000	0221 0111	0222 0000	0222 0111					
31	1100 0000	1000 0100	1100 0000	1100 0000					
March					April				
	D	H	Z	K	D	H	Z	K	
1	0221 3011	1132 4111	0232 3000	1132 4111	2244 2211	4466 3223	4455 3001	4466 3223	
2	1420 0010	2321 0111	1320 0000	2421 0111	1464 2212	2375 4233	1365 4122	2475 4223	
3	0010 0000	1000 1100	0011 0000	1011 1100	2644 2211	5766 4322	3665 3312	5766 4322	
4	0000 0100	0001 1100	0000 0000	0001 1100	2040 0010	3130 1101	3140 0000	3140 1101	
5	0002 1123	0112 1125	0103 0015	0113 1125	0202 0000	1212 1110	1303 1000	1313 1110	
6	4555 6110	7666 7210	7655 6100	7666 7210	1110 1121	0010 1113	0010 0002	1110 1123	
7	0000 1110	0000 1111	0000 0000	0000 1111	2202 1110	3203 1111	2314 0000	3314 1111	
8	0120 1010	1120 1012	0120 0011	1120 1012	0021 0110	1041 0112	0031 0000	1041 0112	
9	0121 2222	1142 3323	1232 2101	1242 3323	0116 3220	1138 5332	0137 4111	1138 5332	
10	2368 6211	3478 6322	2368 6210	3478 6322	1543 3220	2545 4333	1545 3211	2545 4333	
11	0021 1220	1012 2222	0011 0101	1022 2222	3633 3220	3745 5332	3644 4311	3745 5332	
12	0012 1101	2013 2112	1003 0001	2013 2112	0241 2110	2253 2311	0153 2200	2253 2311	
13	1133 1210	2142 3322	0143 1220	2143 3322	1110 3321	0010 4523	0000 3412	1110 4523	
14	4444 3331	5576 4432	4455 5321	5576 5432	1134 4445	3245 6466	1034 5456	3245 6466	
15	0425 3212	1336 5333	0436 5223	1436 5333	5663 2232	6875 3432	6784 2322	6885 3432	
16	4343 3210	5353 5211	4463 4100	5463 5211	1222 3222	2223 5233	2232 3223	2233 5233	
17	1054 2110	2166 2212	1055 2100	2166 2212	0012 2110	2112 1210	0022 2100	2122 2210	
18	0000 2321	1100 3332	0000 3321	1100 3332	0222 1000	1133 1101	0044 1000	1244 1101	
19	0454 4332	1576 6543	0454 5322	1576 6543	0121 0220	2121 0222	0131 0001	2131 0222	
20	2324 3321	3344 4332	2345 5221	3345 5232	1231 1110	2241 1101	2342 0000	2342 1111	
21	2322 2220	3212 1321	2122 1210	3322 2321	0001 0010	0000 0101	0000 0000	0001 0111	
22	2442 2110	3364 4211	1463 3000	3464 4211	0002 3322	0001 3312	0003 3102	0003 3322	
23	0222 2210	1233 4222	0132 3100	1233 4222	0132 2121	1143 3112	0143 3011	1143 3122	
24	0333 1100	1114 1211	0234 2000	1334 2211	3101 1111	3203 2122	3202 1101	3203 2122	
25	0010 1110	1000 1111	0000 1000	1010 1111	3111 0120	3122 1111	3233 0001	3233 1121	
26	0243 1110	1144 1112	0144 1000	1244 1112	2321 1230	3431 2332	3430 2210	3431 2332	
27	0112 2431	2155 3531	0143 3431	2155 3531	0243 3221	2255 5212	0255 4001	2255 5222	
28	2342 2220	4564 3221	2453 2200	4564 3221	2220 1020	2332 1222	2332 1011	2332 1222	
29	0002 1121	1001 1111	0002 1000	1002 1111	1001 1221	2001 1222	2000 0012	2001 1222	
30	1452 1111	2442 1111	3351 1000	3452 1111	1102 2221	2102 2223	1202 2112	2202 2223	
31	0000 1211	0000 1213	0000 0111	0000 1213					

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

THREE-HOUR RANGE INDICES, MEANOOK 1961

May					June												
	D	H	Z	K	D	H	Z	K									
1	3323	2211	5425	4213	4424	4112	5425	4213	1335	4321	3258	4433	3346	5322	3358	4433	
2	4423	1110	5554	1211	4433	1000	5554	1211	2244	4220	3266	5541	3366	4520	3366	4520	
3	0121	1000	0032	0110	0042	0000	0142	1110	1333	1110	2344	1212	2344	0100	2344	1212	
4	0011	0122	0011	1123	0020	0013	0021	1123	0332	3111	2233	4112	1343	4001	2343	4112	
5	1143	1332	2164	2434	2164	2323	2164	2434	0322	1210	2244	1122	1243	2001	2344	2222	
6	1545	4221	3667	7333	2666	6222	3667	7333	1230	2432	2241	3332	1141	3331	2241	3432	
7	2353	2211	4365	4323	2364	3312	4365	4323	0454	3332	2566	4333	1455	4322	2566	4333	
8	0242	1121	2244	1223	1254	0011	2254	1223	3433	2122	4355	2223	4443	3112	4455	3223	
9	0345	1100	2486	3312	1466	2201	2486	3312	0121	1221	1111	2222	0133	2111	1133	2223	
10	0222	1111	3133	3123	1133	3002	3233	3123	1222	2010	1223	3200	1333	3000	1333	3210	
11	2333	2222	3365	3344	2344	3222	3365	3344	0000	1020	1011	1211	0000	0011	1011	1221	
12	3343	2221	3554	2324	3555	2113	3555	2324	1323	2200	2414	2211	1434	3200	2434	3211	
13	4423	3221	6645	5232	5445	4111	6645	5232	0000	0010	1001	1101	0002	1000	1002	1111	
14	3322	1110	3334	3211	3244	2200	3344	3211	0011	0101	1012	0103	0033	0001	1033	0103	
15	0011	1022	1011	1113	0012	0022	1012	1123	0012	2221	2223	2222	1022	2121	2223	2222	
16	2434	3222	5656	4433	4555	3322	5656	4433	2021	2210	4211	1221	3122	1211	4222	2221	
17	1232	3100	2122	3111	2133	2100	2233	3111	0200	2110	2302	2212	1312	3001	2312	3212	
18	0021	1010	1012	1011	0022	0000	1022	1011	1223	3232	1246	3324	0233	2023	1246	3334	
19	0323	2221	2134	1122	1234	1012	2334	2222	1221	1110	3232	1111	2223	0001	3323	1111	
20	1332	2110	3542	2211	2353	2110	3553	2211	1131	0121	3241	0223	1241	0012	3241	0223	
21	1220	1120	2121	2112	1121	1000	2221	2122	3437	5334	6558	7447	4536	6345	6558	7447	
22	1100	1221	3321	1232	0000	0011	3321	1232	5666	6332	7677	7434	5677	6323	7677	7434	
23	1112	2221	2312	3222	1232	3111	2332	3222	2000	2222	4210	2223	3100	2212	4210	2223	
24	2121	1000	3212	2112	2232	2001	3232	2112	2211	1120	3212	1222	2222	1111	3222	1222	
25	2553	5331	5775	6533	3665	6322	5775	6533	1023	2211	3225	3213	1035	3111	3235	3213	
26	3020	2110	3133	3111	3042	3111	3143	3111	0001	1210	2101	3211	1000	1000	2101	3211	
27	1331	1110	2241	2112	2331	2112	2341	2112	0243	2100	1255	3110	0154	3000	1255	3110	
28	1112	2232	1113	2223	1223	3111	1223	3233	0002	2110	1132	2211	0003	2000	1113	2211	
29	0220	0020	1210	0111	1210	0011	1220	0121	3533	2121	5666	3223	4655	2222	5666	3223	
30	1132	2211	2122	1212	1233	2101	2233	2212	1301	1010	2211	0222	1210	0010	2311	1222	
31	1356	2321	4366	3334	1455	3223	4466	3334									
July									August								
1	1342	0121	2654	3201	2443	3100	2654	3221	0201	1121	2211	1213	2301	0002	2311	1223	
2	0241	1221	1452	2222	0442	0110	1452	2222	3565	3231	5885	6334	4675	5322	5885	6334	
3	0033	3311	1246	5322	0045	5200	1246	5322	2443	3122	3665	5333	2555	4122	3665	5333	
4	0011	1212	3112	2234	1012	2014	3112	2234	4433	2220	3455	3322	4553	2211	4555	3322	
5	5544	4222	6756	6334	6554	5322	6756	6334	0324	1121	2245	2222	1345	3111	2345	3222	
6	2422	2211	3333	2433	2333	1322	3433	2433	0011	2110	2212	2212	0032	1000	2232	2212	
7	3333	2220	5354	3321	4453	3211	5454	3321	0001	2120	1100	2112	0001	2000	1101	2122	
8	1244	2211	2265	3223	2355	2222	2365	3223	0355	3140	1255	4232	0265	3221	1365	4242	
9	1252	2120	2363	2311	2363	2211	2363	2321	0320	1110	2330	2100	1330	2000	2330	2110	
10	1445	3221	3476	5322	2445	4322	3476	5322	0254	5211	2375	5322	0265	5312	2375	5322	
11	1121	2221	3211	1223	2222	1102	3222	2223	3233	5320	3544	7333	3345	6412	3545	7433	
12	0033	1010	2156	1110	1055	1000	2156	1110	0130	1220	3130	1222	2240	0001	3240	1222	
13	0004	6664	1116	8866	0016	6754	1116	8866	0000	0010	3110	0000	2100	0000	3110	0010	
14	3268	7533	4479	8664	4358	7453	4479	8664	0010	3310	0110	4321	0011	4100	0111	4321	
15	3443	3233	3763	4235	3543	4234	3763	4235	0141	1200	1161	2211	0030	0100	1161	2211	
16	6322	2330	5434	3223	6334	2112	6434	3333	1310	1110	2200	1112	1300	0001	2310	1112	
17	1324	5253	3226	7245	2425	6234	3426	7255	0012	0120	1114	1121	0015	2000	1115	2121	
18	4545	7633	6877	7755	4667	7744	6877	7755	0001	2210	1011	1111	0003	0000	1013	2211	
19	6510	1110	6610	2213	5510	1011	6610	2213	0234	1100	1344	2102	0334	3001	1344	3102	
20	1231	1242	3342	0235	1341	0124	3342	1235	0001	1210	1103	2222	0003	2110	1103	2222	
21	3553	6521	5685	6643	4574	6532	5685	6643	0221	1100	2112	1110	0021	1000	2222	1110	
22	1233	2110	3364	4311	2254	4301	3364	4311	0000	0010	0010	0001	0000	0000	0000	0010	
23	0003	2321	1114	4522	0015	4422	1115	4522	0010	0100	1020	0010	0020	0000	1020	0010	
24	1434	3110	3556	6223	2545	5112	3556	6223	0000	1220	0000	1212	0000	0000	0000	1222	
25	3433	3122	5556	3123	4545	3012	5556	3123	1011	2111	2112	2212	1122	2000	2122	2212	
26	1313	2134	4325	3135	2315	2034	4325	3135	1233	1111	2234	1112	0244	0001	2244	1112	
27	3378	4344	4597	6566	4498	5334	4598	6566	1240	0110	2231	0111	2240	0000	2241	0111	
28	3342	2222	4344	2332	3444	1121	4444	2332	0111	1110	2111	1101	0001	1000	2111	1111	
29	0322	2220	2333	2213	1333	1111	2333	2223	0001	1342	1001	1333	0000	0123	1001	1343	
30	1142	2111	2253	1112	0243	1011	2253	2112	2236	7522	4437	7534	3347	5333	4447	7534	
31	0012	2120	2012	2122	0023	2000	2023	2122	4563	3222	5673	3333	4663	3222	5673	3333	

PUBLICATIONS OF THE DOMINION OBSERVATORY

THREE-HOUR RANGE INDICES, MEANOOK 1961

September						October											
	D	H	Z	K		D	H	Z	K								
1	3445	2222	4547	3333	3546	3223	4547	3333	6655	4211	8778	6233	8778	6233			
2	1234	1211	3137	3312	2245	2202	3247	3312	0021	1100	2131	2211	0032	1010	2132	2211	
3	1543	1221	2554	1222	2554	1020	2554	1222	0011	2120	1112	2211	0022	2100	1122	2221	
4	0122	2110	2133	3113	1042	3001	2143	3113	0002	2110	1112	3213	0013	3102	1113	3213	
5	3321	2221	2132	3212	2342	2121	3342	3222	0011	0000	1022	0010	2023	0000	2023	0010	
6	1210	2211	2101	2211	1201	2000	2211	2211	0022	1100	1022	2101	0033	2000	1033	2201	
7	0021	1211	1010	1211	0021	0000	1022	1211	2111	2000	1011	2001	2233	2000	2233	2001	
8	0001	1120	1101	0111	0001	1000	1101	1121	0221	1110	0143	2111	0243	0000	0243	2111	
9	0034	1211	1157	1211	0135	1011	1157	1211	0210	0010	1200	0100	0100	0000	1210	0110	
10	1101	1221	2001	1213	1001	0022	2101	1223	0000	0120	0000	0000	0000	0000	0000	0120	
11	0202	2223	2113	4433	1213	3133	2213	4433	0023	3221	0045	3123	0044	4011	0045	4223	
12	1462	3211	3574	5212	2564	4112	3574	5212	4644	3311	5465	3311	4664	3312	5665	3312	
13	0211	1221	1220	1223	1221	0112	1221	1223	2343	1210	1454	1211	245	5	0111	2455	1211
14	2353	6422	2465	7324	2364	5114	2465	7324	1031	2100	1032	2100	2043	2000	2143	2100	
15	1023	2101	2135	3211	2044	3000	2145	3211	0111	1011	0011	1110	0011	0000	0111	1110	
16	0222	2211	1213	3212	0323	2011	1323	3212	0000	0000	0010	1100	0000	0000	0010	1100	
17	2522	2110	3633	3211	3633	3100	3633	3211	0000	0010	0000	0001	0000	0000	0000	0011	
18	1221	1210	1221	2201	1321	2200	1321	2211	0000	1100	0000	1100	0100	0000	0100	1100	
19	0100	1010	1100	1110	0000	1000	1100	1110	1111	1111	1121	0111	1221	0000	1221	1111	
20	0222	2212	1132	1222	1232	1121	1232	2222	3560	0110	5773	0110	4661	0000	5773	0110	
21	0010	0110	0000	0111	0011	0000	0011	0111	0000	1211	0001	2112	0000	2022	0001	2222	
22	0011	2210	1111	2111	0012	3110	1112	3211	1112	1100	2103	1100	2003	1100	2113	1100	
23	0000	1111	1000	1211	0000	0000	1000	1211	0020	0111	0020	0112	0010	0000	0020	0112	
24	0035	4433	1137	5544	0046	5533	1147	5544	0322	1000	1221	0000	0322	0000	1022	1000	
25	5674	4211	6686	6222	5676	4212	6686	6222	0020	2121	0021	1212	0032	2121	0032	2222	
26	3323	3222	2244	4223	2343	5322	3344	5323	0265	4233	2476	5334	0465	5232	2476	5334	
27	3567	4121	3477	6221	4567	5210	4577	6221	2534	2223	4667	3334	3456	3233	4667	3334	
28	0020	0112	1010	0113	0021	0111	1021	0113	1136	7754	1157	8855	0258	8864	1258	8865	
29	0222	1101	1132	1211	0142	3001	1242	3211	3462	1110	5633	2211	5562	1010	5663	2211	
30	0122	2125	1222	3126	0322	2036	1322	3126	0011	1110	0022	2211	0032	1100	0032	2211	
31									0120	1100	0140	1100	0240	0000	0240	1100	
November						December											
	D	H	Z	K		D	H	Z	K								
1	0222	1000	1232	3000	0232	2000	1232	3000	0046	7542	0167	8744	0047	7622	0167	8744	
2	0022	2100	0033	4100	0033	3000	0033	4100	3337	7634	4447	7755	3346	7735	4447	7755	
3	0321	0000	0222	0000	0232	0000	0332	0000	5567	6312	6687	7323	6566	6322	6687	7323	
4	0000	0111	0000	0121	0000	0000	0000	0121	2233	1200	2244	3211	1344	3200	2344	3211	
5	1232	4110	1554	6222	1354	5212	1554	6222	0120	2331	1120	2331	0020	1231	1120	2331	
6	1343	2100	2346	2102	1356	2000	2356	2102	0201	2320	2201	3431	1201	3430	1201	3431	
7	1345	5433	2367	5564	2355	5453	2367	5564	0012	2000	1024	4000	0023	3000	1024	4000	
8	4451	2110	5561	3121	3551	2021	5561	3121	0011	0100	0010	1110	0010	0000	0011	1110	
9	2131	2110	2153	3221	1053	3110	2153	3221	0001	1110	0002	1100	0012	2000	0012	2110	
10	0311	1100	1212	1201	0212	1000	1312	1201	0002	1111	0102	2211	0003	3001	0103	3211	
11	0000	1010	0001	1201	0000	0000	0001	1211	0244	2210	1165	3222	0254	3221	1265	3222	
12	1243	3211	1364	4312	2263	3312	2364	4312	1100	1000	1200	0000	3200	0000	3200	1000	
13	1011	0010	1111	0111	0100	0000	1111	0111	0000	0010	0000	0111	0000	0000	0000	0111	
14	1452	0121	1562	0111	0463	0000	1563	0121	1110	0100	0010	0201	0010	0000	1110	0201	
15	0001	0000	0000	0000	0000	0000	0001	0000	0122	1000	0222	3001	0233	2000	0233	3001	
16	0000	0001	0000	0001	0000	0000	0000	0001	0121	0100	0011	1100	0011	0000	0121	1100	
17	0000	3422	1010	4423	0000	3412	1010	4423	2200	0000	1001	0000	0000	0000	2201	0000	
18	2256	6331	3487	6442	3466	6432	3487	6442	0100	0000	0000	0000	0000	0000	0100	0000	
19	3342	2000	3363	3010	3462	2000	3463	3010	0000	0000	0000	0000	0000	0000	0000	0000	
20	0231	4211	0142	4222	0142	4222	0242	4222	0022	0000	0021	1000	0022	0000	0022	1000	
21	2210	0111	2310	0110	3220	0000	3320	0111	0001	0000	0001	0011	0001	0000	0001	0011	
22	0001	0000	0001	0000	0002	0000	0002	0000	0101	2101	0000	2111	0101	3200	0101	3211	
23	0000	0100	0000	1011	0000	0000	0000	1111	0232	2111	1123	4102	1123	4111	1233	4112	
24	0010	0000	0010	0111	0000	0000	0010	0111	2322	2200	3212	2211	1222	3210	3322	3211	
25	0021	1000	0012	1000	0034	0000	0034	1000	0001	1110	0000	1111	0011	0000	0011	1111	
26	0122	1110	0122	0111	0022	1000	0122	1111	0221	1000	0211	1101	0221	1000	0221	1101	
27	0010	0010	1010	1110	0010	0000	1010	1110	2231	1110	2233	3111	2232	2000	2233	3111	
28	0000	0010	0000	0110	0000	0000	0000	0110	0023	3411	0026	4422	0024	3311	0026	4422	
29	0101	0000	0111	0100	0101	0000	0111	0100	2103	2112	2113	2222	2113	2111	2113	2222	
30	0010	0011	0010	0101	0020	0000	0020	0111	1322	2210	2224	3311	1324	3300	2324	3311	
31									0111	1110	0112	2121	0011	2010	0112	2121	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook

H = 12,000 γ +

January 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	1051	1054	1053	1037	1047	1052	1054	1054	1053	1052	1050	1054	1054	1059	1058	1060	1054	1046	1038	1037	1044	1047	1051	1046	1050	
2	1042	1045	1041	1037	1045	1046	1046	1022	928	879	921	1046	1025	1062	1061	1061	1055	1045	1045	1041	1043	1046	1047	1057	1029	
3	1057	1055	1055	1055	1054	1052	1050	1051	1054	1054	1049	1053	1051	1058	1061	1061	1063	1054	1051	1045	1038	1042	1046	1053	1052	
4 Q	1054	1055	1055	1054	1055	1057	1057	1055	1060	1059	1046	1053	1061	1062	1061	1062	1062	1054	1046	1041	1043	1047	1055	1061	1055	
5 Q	1064	1063	1063	1059	1056	1053	1053	1054	1055	1058	1059	1057	1066	1069	1070	1072	1069	1066	1054	1047	1045	1053	1061	1065	1060	
6	1067	1069	1063	1058	1057	1058	1060	1062	1058	1055	1060	1063	1063	1066	1063	1066	1063	1066	1063	1057	1052	1052	1053	1061	1068	1061
7	1070	1069	1069	1069	1068	1066	1066	1065	1066	1066	1066	1066	1068	1068	1066	1066	1066	1064	1061	1052	1045	1045	1054	1061	1063	
8	1063	1062	1062	1061	1055	1055	1052	1052	1057	1054	1058	1066	1068	1068	1061	1064	1065	1061	1055	1050	1048	1050	1054	1061	1058	
9	1065	1065	1059	1053	1051	1055	1057	1061	1060	1058	1055	1046	1035	1064	1045	1063	1078	1059	1053	1046	1037	1040	1053	1063	1055	
10 D	1068	1061	1073	1155	1271	1242	1100	1068	1008	1030	625	412	450	266	275	698	1046	1101	1042	1023	1032	1049	1047	1077	926	
11 D	1069	1053	1052	1033	1038	1038	1018	1029	990	997	1023	1034	1015	1013	1045	1061	1059	1045	1038	1034	1036	1038	1045	1045	1035	
12	1052	1052	1049	1046	1054	1052	1049	1052	1045	1051	1050	1053	1052	1053	1053	1055	1052	1045	1037	1037	1037	1038	1047	1052	1048	
13	1054	1054	1052	1048	1047	1045	1053	1051	1032	1045	1045	1046	1052	1053	1054	1060	1053	1045	1038	1035	1033	1038	1051	1058	1048	
14	1062	1068	1066	1065	1061	1059	1060	1060	1048	1042	1039	1053	1066	1062	1059	1044	1030	1060	1059	1048	1044	1030	1021	1046	1052	
15	1076	1060	1053	1056	1068	1059	1037	1030	1021	1022	1020	1022	1052	1046	1049	1057	1066	1053	1044	1040	1044	1043	1044	1060	1047	
16 D	1067	1066	1053	1060	1056	1052	1036	1036	1063	1050	1040	1001	945	1037	1051	1058	1063	1057	1047	1044	1036	1029	1042	1053	1044	
17	1060	1061	1060	1060	1068	1055	1051	1051	1050	1050	1050	1051	1050	1052	1056	1058	1054	1051	1044	1038	1036	1037	1044	1052	1052	
18	1059	1057	1057	1055	1053	1052	1050	1052	1052	1052	1053	1050	1059	1058	1059	1056	1052	1052	1047	1042	1041	1044	1053	1062	1053	
19 D	1065	1072	1068	1065	1068	1066	1057	1069	1037	1046	1044	1050	1048	967	980	1000	990	1020	1055	1057	1031	1034	1043	1050	1041	
20	1052	1052	1048	1045	1045	1044	1047	1040	1040	1047	1047	1047	1050	1053	1054	1054	1050	1046	1039	1034	1044	1044	1056	1061	1048	
21	1060	1062	1052	1057	1056	1052	1044	1040	1026	1025	1038	1052	1015	989	1073	1074	1065	1058	1056	1054	1052	1048	1048	1058	1048	
22 Q	1066	1066	1066	1066	1064	1064	1056	1056	1062	1062	1062	1062	1065	1065	1067	1063	1057	1049	1029	1029	1033	1044	1053	1060	1057	
23 Q	1063	1063	1060	1056	1056	1056	1056	1056	1057	1060	1060	1061	1061	1060	1057	1056	1053	1050	1045	1040	1040	1044	1050	1058	1055	
24 Q	1062	1064	1064	1061	1060	1059	1060	1061	1061	1060	1060	1061	1062	1064	1064	1061	1054	1049	1045	1044	1044	1047	1052	1058	1057	
25	1065	1067	1067	1068	1065	1064	1065	1062	1061	1038	1045	1059	1072	1068	1067	1064	1060	1052	1047	1041	1044	1053	1062	1066	1059	
26	1068	1067	1061	1058	1056	1054	1053	1054	1054	1060	1036	1040	1058	1062	1066	1063	1067	1053	1032	1036	1038	1047	1046	1057	1054	
27 D	1056	1054	1059	1058	1051	1044	1040	1036	1035	981	892	1065	1068	1060	1062	1062	1061	1053	1047	1048	1041	1039	1036	1054	1042	
28	1060	1063	1060	1056	1050	1044	1044	1050	1050	1050	1058	1058	1059	1060	1060	1060	1059	1058	1052	1045	1043	1037	1039	1045	1047	1052
29	1050	1053	1053	1050	1044	1051	1049	1049	1051	1052	1060	1061	1044	1035	1052	1062	1067	1061	1052	1049	1046	1044	1050	1049	1051	
30	1045	1051	1051	1045	1045	1048	1041	1045	1050	1054	1044	1037	1022	1062	1043	1057	1064	1059	1052	1047	1044	1036	1043	1055	1047	
31	1060	1060	1060	1059	1059	1058	1056	1054	1053	1054	1060	1061	1064	1065	1066	1065	1060	1051	1044	1038	1041	1044	1049	1054	1056	
Mean	1060	1060	1058	1058	1062	1060	1052	1051	1043	1041	1026	1030	1030	1027	1031	1047	1057	1054	1047	1042	1041	1043	1049	1057	1047	

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 48 Meanook

D = 23° E + ...'

January 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1	63.3	64.2	65.2	72.2	63.6	66.3	65.2	65.5	64.1	63.3	63.3	63.2	62.1	63.3	64.3	66.3	67.7	68.4	67.2	65.1	62.8	62.2	62.1	62.4	64.7		
2	63.2	63.7	64.9	66.2	66.2	67.6	69.9	74.2	69.0	65.3	58.3	67.4	64.1	64.0	65.3	64.3	65.2	64.1	63.0	64.4	63.3	61.7	62.2	63.1	65.0		
3	63.2	63.3	64.1	64.7	65.0	64.7	64.2	64.2	64.0	62.7	62.7	64.8	62.7	63.4	63.4	65.2	67.2	67.4	66.6	65.6	64.2	62.2	60.9	61.9	64.1		
4 Q	62.6	63.2	64.2	64.6	64.5	64.2	64.0	63.9	64.5	64.4	61.7	62.0	63.7	64.6	64.8	66.0	66.6	66.5	66.2	65.1	63.3	62.6	62.3	62.9	64.1		
5 Q	63.4	64.1	64.5	65.2	65.0	64.5	64.2	64.3	64.1	63.5	64.0	61.4	62.2	63.0	64.1	65.3	66.3	67.6	66.5	65.8	64.3	63.0	62.1	62.2	64.2		
6	63.2	64.4	64.9	65.0	64.6	65.2	66.2	64.9	64.2	63.5	64.1	65.5	65.8	64.2	64.7	65.4	66.1	64.3	62.9	63.2	63.6	62.0	61.4	61.6	64.2		
7	62.9	63.4	64.1	64.5	64.9	64.9	64.6	64.1	63.4	63.3	63.9	64.4	63.2	63.6	64.2	66.8	66.9	65.2	64.9	64.1	62.3	60.6	59.1	61.2	63.8		
8	63.7	64.0	64.4	64.8	64.8	66.0	65.0	62.1	63.4	62.1	63.2	63.4	62.7	64.3	64.2	64.3	67.1	64.4	64.2	64.6	62.8	62.4	62.2	62.3	63.8		
9	63.2	63.5	64.7	66.3	66.3	64.3	64.7	64.7	63.9	63.8	63.7	62.2	58.3	66.1	63.7	64.3	68.1	64.3	65.5	62.4	59.7	58.9	60.3	61.4	63.5		
10 D	62.2	63.1	61.2	58.4	78.2	66.3	68.3	67.1	62.1	66.7	66.1	79.0	70.3	86.2	82.3	71.6	58.3	67.3	64.6	65.1	61.2	59.4	59.1	62.3	66.9		
11 D	67.1	63.6	67.3	73.2	72.2	72.2	61.1	68.3	62.7	60.8	64.3	64.3	62.2	60.3	63.2	67.1	69.2	69.1	66.3	64.6	63.2	62.0	62.0	62.6	65.4		
12	63.4	64.1	65.1	67.7	68.6	66.2	66.2	64.2	58.5	63.3	64.3	63.2	62.7	63.1	64.1	66.2	68.0	67.2	64.7	62.2	59.8	59.3	60.3	61.4	63.9		
13	62.9	63.4	65.3	66.1	66.2	71.3	66.8	64.0	59.3	63.1	64.2	63.7	63.3	64.0	65.2	66.2	68.1	68.3	67.3	65.9	63.2	62.1	61.4	61.5	64.7		
14	62.6	64.1	65.1	65.3	65.2	64.9	64.8	64.8	64.3	66.3	66.1	67.6	66.2	65.1	67.2	66.7	63.2	65.7	63.2	60.3	60.4	59.2	53.1	53.3	63.5		
15	62.3	64.7	64.7	66.2	71.9	63.8	64.6	63.3	61.1	60.8	64.2	68.8	64.3	63.1	65.3	66.2	67.0	66.2	65.2	64.6	63.1	61.1	62.8	63.6	64.5		
16 D	62.6	62.8	66.2	66.1	63.4	65.4	74.2	74.6	65.2	65.4	67.4	67.2	56.1	66.1	65.0	67.4	67.6	67.6	67.6	65.1	63.2	59.6	61.2	60.3	65.3		
17	62.1	63.3	64.8	67.4	65.3	63.4	64.2	64.0	64.3	64.7	65.2	65.2	63.1	64.6	66.1	66.6	68.1	69.0	67.9	66.0	64.2	63.1	62.6	62.6	64.9		
18	62.9	63.2	64.2	64.9	64.9	64.6	64.6	65.0	63.8	64.4	64.6	63.5	63.2	64.0	64.2	66.1	68.2	70.1	68.6	67.1	64.0	62.2	61.7	62.0	64.7		
19 D	62.4	62.2	63.3	63.1	64.9	64.6	64.3	65.1	66.2	65.9	64.7	63.6	62.4	56.0	44.2	55.7	56.2	58.2	61.4	64.9	62.4	61.2	63.0	64.2	61.7		
20	64.1	64.3	65.9	66.0	66.1	66.2	64.7	63.4	61.6	63.7	64.3	65.2	64.2	63.5	64.8	65.2	66.4	66.4	66.6	66.1	65.0	62.1	62.3	63.2	64.6		
21	63.1	63.3	67.3	66.2	65.7	65.0	65.4	65.2	66.0	65.0	64.2	67.5	66.6	53.9	64.4	68.2	67.2	66.1	65.4	63.4	61.2	61.1	61.1	62.2	64.4		
22 Q	63.2	64.1	64.6	65.1	64.9	64.7	65.2	67.1	63.9	63.3	63.6	63.6	64.2	64.4	65.2	65.8	66.9	67.4	66.6	65.0	62.0	60.2	62.3	63.2	64.4		
23 Q	63.3	63.9	64.2	64.6	64.3	63.9	64.0	63.3	63.3	63.7	64.1	64.0	64.0	64.3	64.8	65.5	67.0	67.3	67.0	65.2	62.5	61.2	61.8	62.6	64.2		
24 Q	62.5	63.1	63.9	64.2	64.3	64.1	63.6	63.4	63.1	63.1	63.5	63.6	63.5	64.1	64.7	65.9	67.1	66.7	65.1	63.1	61.0	59.5	60.5	61.7	63.5		
25	62.7	63.2	64.1	64.3	64.5	64.8	63.1	62.6	61.9	61.0	63.6	63.7	65.2	65.6	66.5	67.2	68.8	68.2	67.0	64.2	61.4	60.1	60.6	60.3	63.9		
26	60.7	62.3	64.1	65.1	64.4	63.6	65.1	65.0	63.3	64.7	59.9	63.0	67.1	65.4	65.7	67.5	64.5	65.9	66.3	66.8	64.8	63.7	61.6	59.6	60.5	60.8	65.0
27 D	63.1	63.3	64.5	64.7	65.4	73.3	67.8	71.0	63.2	66.2	62.3	70.7	65.7	64.5	63.4	65.9	66.3	66.8	64.8	63.7	61.6	59.6	60.5	60.8	65.0		
28	63.1	63.2	63.8	64.5	65.3	65.1	66.6	64.5	63.2	59.6	63.8	64.5	64.1	63.3	63.5	64.5	66.3	68.2	67.1	66.5	64.1	61.7	61.1	62.1	64.2		
29	63.0	63.6	63.7	64.5	68.0	62.5	64.3	65.1	65.5	67.1	63.2	63.6	63.1	62.9	62.0	62.1	66.2	68.1	67.9	66.2	64.7	63.0	61.5	61.2	64.3		
30	62.2	62.6	62.5	63.9	63.7	64.2	66.0	75.3	67.1	61.4	60.0	59.7	58.8	64.1	61.5	61.7	67.2	68.1	67.3	66.0	63.4	61.4	60.3	62.0	63.8		
31	62.7	63.1	63.5	63.6	64.1	64.1	63.7	63.6	64.0	63.7	63.7	63.4	63.1	63.2	63.6	65.1	67.4	68.7	67.1	65.6	64.1	63.3	63.0	62.4	64.2		
Mean	63.0	63.5	64.5	65.4	66.0	65.5	65.4	65.7	63.7	63.7	63.6	64.9	63.5	64.1	64.4	65.6	66.3	66.8	65.7	64.5	62.6	61.2	61.2	61.8	64.3		

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 49 Meanook

$z = 58,000 \gamma +$

January 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	748	745	747	763	768	760	745	744	741	739	734	736	734	736	744	744	744	744	744	744	744	744	744	745	745	745
2	752	752	755	766	765	754	742	712	591	541	605	710	696	727	728	749	742	739	739	744	744	746	744	744	720	
3	743	743	744	744	744	744	744	740	739	734	724	723	726	725	735	744	744	744	743	744	745	746	746	745	740	
4 Q	744	744	744	744	743	742	741	741	735	726	722	712	731	735	736	737	737	737	743	747	747	744	743	743	738	
5 Q	742	741	736	741	741	741	741	740	738	731	736	730	728	736	739	742	742	743	742	742	742	742	741	741	739	
6	739	739	739	742	744	744	747	741	741	736	726	734	734	738	739	739	738	735	735	735	736	736	737	737	738	
7	739	739	739	742	742	737	736	736	736	736	736	735	729	729	731	733	735	735	736	736	738	743	744	736	737	
8	740	745	754	756	754	751	745	731	729	729	713	729	735	735	735	733	735	730	732	735	735	737	741	741	737	
9	737	737	737	743	743	743	737	729	725	733	729	723	679	703	715	715	716	718	729	733	735	736	743	744	729	
10 D	745	746	758	809	559	866	800	757	725	724	624	470	475	358	769	790	700	755	741	767	754	765	777	789	709	
11 D	785	771	778	788	782	766	705	733	703	713	725	740	724	706	723	744	742	744	750	750	751	755	755	753	745	
12	753	754	754	757	757	751	743	735	722	735	742	742	744	745	745	748	748	746	746	746	746	746	748	748	746	
13	751	751	752	751	751	736	735	744	718	715	726	735	736	741	745	750	750	748	748	745	744	745	746	746	742	
14	746	749	745	745	745	743	745	741	742	745	736	744	749	745	745	732	706	694	713	725	735	744	755	778	740	
15	786	764	756	766	756	744	733	683	689	687	690	680	735	744	746	755	758	751	745	744	745	748	762	771	739	
16 D	756	755	755	756	757	764	746	750	757	746	736	679	614	689	713	744	745	745	752	755	750	750	756	757	739	
17	758	756	757	759	757	758	754	750	747	746	746	746	739	745	746	746	747	750	747	747	746	749	749	749	750	
18	749	749	747	747	747	747	747	747	746	746	745	737	736	739	746	747	747	747	749	747	745	746	749	749	746	
19 D	745	749	747	752	750	759	773	760	743	744	741	725	726	667	615	660	705	730	769	754	743	751	754	755	734	
20	749	749	753	754	756	757	753	747	727	737	746	744	745	746	746	749	745	744	745	745	746	750	753	753	747	
21	749	751	754	754	751	746	749	733	678	676	714	736	705	679	728	745	746	747	747	749	751	753	753	750	735	
22 Q	750	750	750	750	750	750	751	751	749	750	751	751	751	752	753	753	753	753	749	746	746	746	746	745	750	
23 Q	745	745	745	745	745	745	744	744	744	743	743	743	740	739	740	742	743	743	746	747	747	747	746	744	744	
24 Q	744	744	744	744	743	743	741	741	741	741	741	741	739	738	739	741	741	741	746	747	746	745	746	745	743	
25	745	745	745	745	744	744	745	742	738	715	717	732	745	744	743	743	744	743	743	742	743	743	743	741	741	
26	742	743	743	742	741	741	739	737	718	734	716	690	712	726	725	725	725	727	734	737	738	745	746	749	732	
27 D	752	751	749	745	746	769	750	725	691	646	592	720	742	733	736	743	742	742	742	745	746	751	752	755	732	
28	752	747	747	746	747	749	742	726	702	732	743	740	742	742	742	742	742	741	741	741	746	746	745	742		
29	743	743	743	743	754	747	746	741	726	725	736	740	723	662	681	719	738	744	740	740	740	740	743	745	734	
30	748	748	751	753	757	751	748	715	716	726	726	703	679	722	725	733	747	743	740	740	741	741	743	745	735	
31	747	746	746	746	745	743	742	742	741	738	738	739	740	740	740	742	742	740	744	744	740	742	744	741	742	
Mean	749	748	749	753	745	753	746	738	725	721	719	720	717	715	732	740	738	740	743	744	744	746	748	749	738	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 50 Meanook

H = 12,000 γ +

February 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	1061	1064	1062	1061	1059	1060	1061	1062	1062	1065	1065	1067	1068	1072	1072	1075	1075	1067	1055	1050	1046	1048	1057	1064	1062
2	1068	1061	1058	1064	1061	1060	1059	1054	1054	1058	1059	1062	1065	1068	1068	1069	1068	1061	1047	1044	1046	1052	1062	1066	1060
3	1068	1069	1065	1063	1061	1059	1060	1058	1057	1060	1062	1063	1065	1065	1065	1065	1060	1052	1046	1044	1044	1050	1056	1064	1059
4 D	1067	1068	1068	1066	1064	1061	1057	1060	1066	1079	1086	1079	950	834	899	934	964	1029	1002	1017	1047	1042	1038	1058	1027
5	1057	1067	1065	1058	1043	1041	1044	1044	1044	1040	1040	1047	1049	1050	1052	1051	1048	1047	1044	1041	1040	1044	1048	1053	1048
6	1053	1052	1051	1047	1044	1044	1044	1049	1049	1051	1049	1054	1057	1060	1058	1061	1054	1046	1044	1044	1048	1055	1059	1048	1051
7 D	1050	1044	1048	1053	1045	1026	1051	1047	956	771	1040	1067	1052	1051	1045	984	1013	1024	1028	1036	1036	1040	1045	1052	1025
8 Q	1056	1059	1058	1057	1054	1053	1052	1055	1053	1051	1052	1043	1050	1061	1061	1060	1059	1051	1044	1044	1048	1052	1054	1059	1054
9	1059	1060	1052	1061	1065	1062	1058	1051	1051	1050	1040	1044	1048	1052	1067	1064	1054	1051	1036	1036	1041	1044	1051	1056	1052
10 Q	1058	1061	1065	1065	1061	1060	1060	1062	1060	1062	1062	1059	1062	1065	1065	1062	1052	1044	1036	1036	1039	1048	1054	1059	1057
11	1062	1064	1059	1053	1054	1060	1060	1062	1064	1064	1063	1032	1028	1080	1081	1076	1074	1062	1040	1016	1011	998	1043	1076	1053
12 D	1231	1119	1110	1044	1049	1059	1076	1085	1040	1003	1028	1046	1050	1044	1051	1058	1045	1043	1029	1014	1012	1025	1040	1042	1056
13	1053	1060	1067	1078	1073	1059	1052	1050	1044	1036	992	891	1032	1065	1063	1056	1058	1053	1046	1043	1044	1043	1046	1039	1043
14	1046	1054	1071	1080	1065	1064	1053	1053	1059	1048	1026	1052	1058	1054	1054	1065	1059	1052	1056	1054	1046	1035	1032	1038	1053
15	1056	1058	1060	1061	1072	1068	1063	1059	1053	1052	1040	1044	1045	1059	1068	1072	1060	1029	1054	1065	1073	1061	1060	1065	1058
16 D	1068	1074	1076	1076	1079	1081	1078	1084	1136	892	664	502	802	747	597	721	966	1003	1005	1012	1025	1047	1069	1080	953
17	1074	1062	1064	1052	1074	1051	1066	993	892	915	966	1039	1053	1060	1055	1050	1054	1056	1058	1048	1047	1047	1048	1049	1036
18	1052	1054	1053	1053	1055	1054	1057	1054	1044	1021	1060	1061	1060	1062	1064	1062	1061	1055	1033	1036	1044	1044	1036	1046	1051
19 Q	1049	1053	1054	1056	1056	1051	1062	1057	1054	1056	1059	1052	1043	1052	1059	1063	1056	1048	1044	1044	1045	1050	1050	1050	1053
20	1052	1057	1058	1059	1058	1058	1057	1053	1059	1047	1054	1054	1052	1044	1061	1066	1060	1054	1051	1051	1054	1053	1053	1060	1055
21	1060	1062	1062	1062	1061	1056	1050	1060	1060	1059	1059	1060	1052	1051	1066	1060	1058	1020	1025	1036	1036	1046	1054	1056	1053
22	1058	1060	1076	1076	1064	1075	1079	1029	1029	1056	1020	982	982	1073	1069	1032	1066	1048	1032	1035	1041	1047	1052	1057	1047
23	1058	1065	1063	1060	1052	1054	1060	1058	1057	1044	1031	1016	1057	1064	1028	1040	1050	1044	1022	1019	1030	1036	1040	1046	1045
24	1050	1060	1064	1064	1058	1058	1058	1059	1055	1039	1044	1029	1036	1045	1050	1062	1065	1046	1017	1018	1021	1041	1042	1053	1047
25	1052	1059	1060	1060	1057	1054	1059	1063	1062	1060	1061	1060	1062	1057	1055	1060	1055	1048	1037	1034	1027	1040	1050	1046	1053
26 D	1044	1048	1059	1058	1052	1053	1054	1059	1058	1066	1072	1075	1083	1102	1106	1099	1076	1044	1012	1011	1044	1049	1043	1044	1059
27	1046	1046	1057	1057	1056	1062	1062	1056	1042	817	857	772	820	886	1048	985	1024	1058	1044	1032	1033	1036	1044	1050	1000
28 Q	1054	1057	1056	1055	1054	1052	1053	1052	1040	1052	1051	1033	1045	1061	1065	1062	1059	1050	1038	1038	1041	1045	1051	1052	1051
29																									
30																									
31																									
Mean	1063	1061	1063	1061	1059	1057	1059	1055	1046	1022	1025	1014	1030	1035	1039	1040	1050	1046	1037	1036	1040	1044	1049	1055	1045

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 51 Meanook

D = 23° E + ...'

February 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	62.2	62.9	63.4	63.8	63.7	63.6	63.0	63.0	62.8	63.0	63.1	63.3	63.2	63.4	64.0	65.0	67.3	69.0	68.1	67.0	65.0	62.3	61.5	62.3	64.0
2	62.3	61.9	63.3	63.9	64.5	64.1	62.9	62.1	63.1	63.6	63.8	64.0	64.0	64.1	65.0	65.9	68.0	68.9	67.1	65.3	61.8	59.5	59.0	61.5	63.7
3	62.5	62.7	63.8	64.3	63.3	63.1	64.1	64.2	66.4	63.1	63.3	64.0	64.1	64.7	64.8	66.0	66.6	67.0	66.4	63.3	62.7	61.2	60.8	60.9	63.9
4 D	61.1	61.6	63.0	63.5	63.6	64.0	63.3	63.8	64.0	60.8	65.7	68.8	75.5	70.3	70.6	71.0	63.0	59.8	65.7	61.0	61.0	61.1	62.6	62.0	64.4
5	62.2	62.5	63.1	62.9	63.9	63.1	63.0	62.7	62.8	63.0	62.9	65.0	64.2	64.2	64.9	66.1	67.2	67.1	65.2	65.1	63.7	62.4	62.4	63.1	63.9
6	63.5	64.0	64.3	64.3	64.2	64.1	64.2	62.9	62.7	62.6	63.3	63.5	64.0	64.3	65.0	66.5	68.1	67.9	66.1	63.4	62.1	61.3	61.3	62.4	64.0
7 D	61.1	64.0	67.2	64.4	65.1	78.3	78.2	64.0	55.0	47.5	60.0	65.4	66.3	63.0	63.4	56.0	57.9	60.9	64.3	62.1	62.3	62.8	63.1	63.4	63.2
8 Q	64.1	64.3	64.5	64.7	64.7	65.1	63.4	64.1	62.7	61.1	62.1	61.9	62.0	64.9	65.2	67.8	67.6	65.8	63.9	62.1	61.0	61.0	61.8	62.1	63.7
9	62.4	62.8	64.7	64.9	63.8	63.4	63.0	64.9	65.4	61.3	62.2	63.1	63.0	62.1	64.9	67.7	67.7	65.6	64.2	61.9	61.3	60.7	61.5	61.9	63.5
10 Q	62.9	63.2	63.7	64.0	64.8	66.8	63.7	62.8	62.2	61.9	62.2	63.0	64.1	65.7	65.8	67.3	68.8	67.9	65.9	63.8	62.3	61.5	61.2	61.5	64.0
11	61.9	62.5	62.3	63.6	64.4	63.4	63.2	63.9	63.7	63.5	63.6	60.0	63.9	66.1	68.2	70.6	69.0	68.5	70.8	67.7	63.8	54.9	48.9	51.9	63.3
12 D	63.1	59.0	54.1	60.9	64.9	63.9	64.7	67.4	61.0	62.9	67.1	66.3	65.9	63.3	65.3	66.6	67.2	68.4	66.0	62.9	62.0	59.8	58.9	59.9	63.4
13	61.4	61.4	60.9	67.0	74.9	60.8	63.0	63.9	64.8	66.3	69.3	59.6	65.0	67.1	66.9	69.3	68.1	66.7	67.1	63.8	62.7	61.2	60.0	58.3	64.6
14	59.9	58.0	63.3	67.1	60.3	64.1	71.4	63.6	65.5	69.3	65.7	69.9	67.3	65.3	64.0	66.9	67.5	66.1	62.9	63.2	63.0	61.1	61.5	60.6	64.5
15	62.1	62.9	62.0	64.1	69.1	60.9	62.9	62.3	63.8	63.7	60.0	63.5	64.9	65.0	64.9	66.0	67.9	68.4	55.3	54.9	60.2	61.9	62.4	62.7	63.0
16 D	62.4	62.4	62.5	62.1	61.9	62.7	62.9	61.0	70.3	73.9	55.6	107.9	87.1	64.9	54.0	62.6	59.8	54.9	51.7	50.9	43.9	53.7	58.8	59.9	62.8
17	63.8	58.9	59.4	61.9	65.6	64.6	60.0	62.2	60.8	63.9	75.2	68.4	67.9	69.3	67.9	66.0	66.9	63.9	62.3	61.3	60.6	61.9	62.9	63.6	64.1
18	63.1	62.9	63.1	63.4	63.2	63.6	63.2	63.6	61.9	63.8	66.7	64.9	64.1	64.0	65.2	66.0	66.1	65.8	64.0	57.8	59.2	60.0	61.0	61.8	63.3
19 Q	62.3	62.4	62.4	62.7	63.0	63.9	66.2	63.2	62.7	62.9	63.9	63.8	62.4	65.7	65.9	66.8	67.0	66.1	63.0	61.9	61.4	62.3	62.2	62.2	63.6
20	58.2	58.2	58.6	58.8	58.8	58.5	61.9	61.9	66.2	65.1	65.9	64.3	64.7	62.9	64.9	66.1	66.3	65.5	63.9	61.9	60.4	60.0	60.9	61.3	62.3
21	62.9	62.9	63.7	63.7	63.3	62.7	62.3	66.9	61.9	62.0	62.8	63.2	62.6	69.9	68.2	63.8	67.0	63.6	55.9	58.0	57.3	59.3	61.0	62.0	62.8
22	63.9	63.9	63.4	62.8	57.8	67.2	62.8	63.2	66.3	64.8	61.5	62.5	58.9	72.4	72.4	64.9	68.3	67.5	65.2	61.7	61.3	61.9	62.7	62.9	64.2
23	62.1	61.9	62.0	62.0	68.3	64.3	63.9	62.9	61.8	61.7	62.0	57.5	62.7	65.8	63.6	61.4	65.9	66.8	63.9	60.0	59.4	59.1	58.8	58.7	62.4
24	60.9	61.8	62.8	64.0	64.5	69.0	62.9	63.8	57.8	61.9	65.0	64.9	61.3	64.3	65.5	64.6	66.0	67.0	61.9	57.0	58.5	58.5	59.9	59.9	62.7
25	61.9	62.5	63.4	63.3	63.5	64.1	64.4	64.9	62.1	62.6	63.5	63.0	64.2	64.0	66.0	67.9	68.1	69.1	65.6	64.0	61.9	60.0	59.2	59.6	63.7
26 D	59.0	61.7	63.7	63.8	66.0	64.8	63.5	62.6	62.0	62.4	64.0	64.9	66.3	70.1	70.1	72.5	72.3	69.9	66.0	45.8	47.9	56.4	61.0	63.9	63.4
27	64.9	64.3	63.0	63.5	63.7	63.1	63.1	63.0	64.0	71.9	73.0	88.6	85.6	82.3	71.3	64.2	61.3	66.3	63.9	58.3	58.3	62.1	63.0	63.3	66.9
28 Q	63.6	63.5	63.1	63.3	63.5	63.5	64.4	66.9	62.8	62.8	63.1	61.5	62.0	65.5	66.0	66.5	66.5	65.6	63.0	61.8	60.0	60.1	60.9	61.0	63.4
29																									
30																									
31																									
Mean	62.2	62.2	62.7	63.5	64.2	64.3	64.1	63.6	63.1	63.3	64.2	66.3	66.0	66.2	65.8	66.1	66.5	66.1	63.9	61.0	60.2	60.3	60.7	61.2	63.7

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 52 Meanook

z = 58,000 γ +

February 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	739	739	739	739	739	739	738	737	737	737	737	737	737	737	737	739	739	737	735	735	737	737	738	739	738
2	739	741	742	741	739	737	738	734	707	729	733	734	735	735	737	737	737	733	737	737	737	738	738	739	735
3	740	743	743	745	747	745	747	744	734	731	737	737	737	735	737	737	735	734	739	740	741	742	742	741	740
4 D	741	740	740	744	742	741	738	714	720	735	739	718	627	382	491	582	622	656	709	739	737	744	747	750	692
5	748	752	759	779	755	750	752	750	745	740	738	739	744	744	745	745	746	744	745	747	747	745	745	743	748
6	739	740	742	744	744	746	745	742	742	742	741	741	742	741	741	746	746	746	747	746	746	744	746	746	744
7 D	752	769	769	752	752	759	745	737	609	526	679	730	727	732	733	700	728	726	756	753	751	751	752	752	727
8 Q	747	747	746	746	746	746	745	740	738	737	740	735	734	737	746	746	742	741	742	744	746	746	746	746	743
9	745	745	747	747	745	743	742	738	740	726	727	728	737	740	744	744	744	744	745	746	746	747	747	747	742
10 Q	747	746	743	743	745	741	740	738	737	735	737	737	737	738	739	742	742	741	743	743	743	744	744	741	741
11	739	739	743	747	750	745	740	737	727	731	726	693	652	720	733	735	735	728	726	733	748	751	780	787	735
12 D	831	818	832	769	760	771	777	722	707	670	680	728	738	738	740	751	757	748	743	755	770	766	768	761	754
13	756	753	762	805	801	780	753	748	738	718	681	618	699	736	741	739	747	746	743	739	743	744	746	754	741
14	770	775	792	794	783	791	746	721	743	726	713	723	727	741	743	748	745	741	738	739	741	753	754	755	750
15	748	744	749	764	771	774	747	744	739	738	708	706	716	728	741	745	736	727	740	742	741	736	739	736	740
16 D	738	735	734	735	736	738	740	752	760	683	692	514	540	499	651	595	712	740	759	781	768	754	762	786	704
17	779	786	806	786	795	744	768	685	475	579	653	735	751	755	749	742	746	744	746	751	752	755	751	754	733
18	752	747	747	747	745	745	746	748	742	691	730	744	745	744	746	747	742	743	743	747	751	756	748	748	744
19 Q	745	743	743	743	743	747	735	738	743	739	744	737	720	724	727	739	745	744	743	747	748	748	747	745	741
20	743	741	741	741	741	741	744	727	744	734	737	743	731	708	726	733	737	738	741	743	746	748	747	745	738
21	740	740	740	740	740	745	752	746	748	745	741	735	711	696	728	728	725	731	729	738	741	745	748	748	737
22	745	745	746	747	757	780	763	691	651	698	701	646	639	712	719	698	717	734	737	744	746	748	750	750	723
23	747	746	747	748	761	756	752	745	738	725	649	691	722	728	703	716	735	737	735	745	747	748	748	750	734
24	747	745	747	747	748	751	747	737	671	677	696	698	692	708	704	703	726	734	741	751	752	759	756	755	729
25	747	745	746	746	748	755	756	748	747	743	743	740	739	738	737	738	738	738	737	737	741	746	752	751	744
26 D	755	751	751	748	748	748	747	742	738	740	740	741	731	725	731	720	726	727	746	748	756	750	748	747	742
27	746	745	745	742	739	737	735	737	726	630	570	439	465	529	640	677	702	725	735	747	740	740	747	748	687
28 Q	747	747	747	746	745	746	747	744	714	730	742	728	729	738	743	744	738	734	737	739	741	742	744	744	740
29																									
30																									
31																									
Mean	750	750	753	753	752	751	747	735	716	708	713	703	704	703	720	722	732	734	740	745	746	747	749	750	734

HORIZONTAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 53 Meanook

H = 12,000 γ +

March 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	1057	1059	1059	1059	1059	1055	1058	1045	1044	1062	1054	1036	1028	1054	1068	1059	1051	1052	1044	1044	1050	1056	1058	1060	1053	
2	1054	1050	1054	1058	1055	1059	1066	1059	1054	1054	1054	1053	1054	1050	1060	1059	1044	1047	1022	1031	1040	1040	1043	1050	1050	
3	1058	1065	1065	1060	1059	1059	1054	1059	1065	1065	1069	1069	1074	1068	1044	1032	1037	1038	1035	1032	1035	1036	1037	1060	1053	
4	1063	1053	1059	1062	1058	1054	1058	1055	1059	1060	1051	1050	1052	1062	1063	1056	1049	1047	1044	1044	1047	1051	1058	1054	1055	
5 D	1059	1060	1065	1065	1062	1062	1065	1068	1050	972	1025	1047	950	661	1007	1060	1025	994	1022	1030	1049	1048	1047	1054	1023	
6 D	1052	1057	1064	1112	1182	1143	1070	994	1008	806	911	912	557	1032	1034	1032	1045	1039	1036	1037	1044	1054	1055	1059	1014	
7	1058	1052	1045	1047	1053	1057	1036	1051	1037	1044	1047	1055	1054	1042	1052	1049	1044	1029	1037	1037	1039	1044	1050	1056	1047	
8 Q	1058	1059	1060	1053	1059	1053	1051	1049	1040	1067	1064	1062	1064	1064	1059	1061	1056	1047	1037	1036	1036	1040	1044	1050	1053	
9 Q	1057	1061	1061	1061	1061	1061	1060	1061	1062	1062	1062	1065	1065	1064	1064	1065	1061	1051	1045	1041	1037	1044	1049	1060	1057	
10	1068	1068	1057	1060	1075	1090	1090	1090	1072	1037	959	992	971	934	1019	1067	1060	1040	1032	1032	1034	1037	1036	1063	1041	
11	1063	1084	1099	1094	1129	1076	1068	1037	1044	1044	989	970	1064	1066	1061	1059	1036	1016	1036	1037	1038	1044	1048	1054	1052	
12 D	1059	1052	1057	1061	1062	1076	1068	1062	1061	1054	1036	925	936	950	942	966	1014	1052	1020	1013	1022	1036	1065	1059	1027	
13	1052	1058	1062	1060	1058	1053	1059	1051	1029	1045	1060	1040	1036	1064	1059	1058	1052	1047	1048	1044	1047	1051	1057	1055	1052	
14	1054	1060	1061	1060	1061	1063	1067	1054	1060	1060	1070	1064	1055	1061	1069	1069	1067	1054	1045	1047	1050	1051	1055	1057	1059	
15	1067	1069	1065	1084	1068	1076	1091	1071	1063	1068	1069	1062	1063	1075	1072	1069	1061	1054	1045	1048	1051	1051	1046	1060	1065	
16 Q	1065	1069	1067	1066	1066	1063	1062	1062	1065	1063	1069	1073	1069	1068	1068	1070	1063	1051	1045	1044	1048	1048	1049	1053	1061	
17	1063	1063	1065	1066	1063	1067	1069	1061	1063	1066	1048	1064	1051	1062	1061	1063	1066	1053	1045	1043	1046	1055	1056	1061	1059	
18	1063	1068	1071	1069	1071	1074	1077	1071	1078	1074	1078	1070	1011	1023	1068	1068	1057	1048	1038	1032	1033	1035	1052	1063	1058	
19 D	1068	1061	1061	1065	1069	1067	1065	1071	1068	1068	1062	1045	949	895	1009	1059	1072	1044	997	995	1025	1029	1052	1048	1039	
20	1053	1059	1060	1061	1061	1058	1061	1062	1068	1067	1070	1067	992	1025	1052	1065	1060	1020	1012	1034	1040	1044	1051	1053	1050	
21 D	1044	1053	1060	1057	1052	1054	1057	1013	1065	1071	1044	1059	1058	1044	1020	1013	1030	1029	1018	1045	1045	1062	1070	1056	1047	
22	1051	1060	1064	1060	1062	1059	1054	1059	1061	1065	1068	1068	1068	1069	1068	1062	1054	1041	1028	1022	1026	1047	1039	1035	1054	
23	1051	1059	1058	1064	1064	1064	1064	1063	1064	1066	1057	996	1053	1077	1072	1067	1059	1049	1034	1030	1034	1040	1045	1051	1053	
24	1071	1061	1052	1063	1066	1066	1065	1062	1057	1058	1067	1068	1069	1075	1073	1070	1053	1043	1035	1036	1035	1038	1044	1051	1058	
25	1067	1071	1063	1064	1087	1072	1051	1021	1035	1052	1030	1017	1023	1073	1074	1064	1054	1051	1047	1039	1031	1031	1043	1051	1050	
26	1067	1063	1057	1061	1063	1065	1064	1063	1064	1063	1058	1067	1069	1067	1071	1067	1061	1052	1048	1046	1049	1051	1056	1056	1060	
27 Q	1060	1071	1068	1071	1072	1071	1070	1067	1068	1075	1076	1079	1080	1076	1081	1079	1071	1058	1045	1042	1044	1045	1053	1059	1066	
28	1064	1067	1070	1071	1071	1072	1074	1075	1078	1079	1080	1082	1078	1067	1075	1077	1066	1050	1053	1049	1044	1044	1051	1071	1067	
29	1066	1078	1073	1057	1061	1061	1046	1043	1064	1070	1068	1067	1035	1059	1075	1075	1063	1054	1048	1042	1033	1035	1041	1051	1057	
30 Q	1057	1062	1063	1064	1067	1064	1064	1065	1066	1073	1074	1075	1068	1070	1072	1069	1057	1041	1034	1030	1035	1043	1059	1064	1060	
31	1061	1066	1067	1068	1070	1074	1074	1072	1074	1067	1075	1075	1075	1075	1073	1064	1059	1043	1044	1045	1051	1056	1063	1058	1065	
Mean	1060	1062	1063	1065	1070	1067	1064	1056	1058	1051	1050	1044	1025	1035	1054	1058	1053	1043	1036	1036	1040	1045	1051	1056	1052	

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 54 Meanook

D = 23° E + ...'

March 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	61.8	62.1	62.5	62.6	62.5	62.4	62.1	72.0	70.0	65.7	64.9	60.5	66.7	63.5	67.4	68.8	66.7	67.1	66.0	63.1	61.9	61.0	61.0	60.7	64.3	
2	60.8	61.2	62.0	62.3	63.0	64.5	65.0	63.1	62.9	63.2	64.7	65.7	63.8	66.3	69.1	70.0	66.0	65.2	64.0	58.1	61.3	62.1	62.0	62.4	63.7	
3	62.7	62.5	62.7	62.4	62.9	62.9	64.1	65.5	63.6	63.0	63.9	64.0	64.4	64.8	63.8	62.8	62.9	63.7	61.0	57.0	56.0	57.5	56.0	57.1	62.0	
4	56.3	60.3	62.0	63.3	63.5	63.0	63.1	63.0	63.0	63.3	63.5	65.3	66.0	68.9	69.3	67.7	66.1	64.6	62.5	60.4	60.0	59.9	59.9	60.9	63.2	
5 D	60.9	61.7	62.4	62.5	62.2	62.4	62.3	63.0	63.8	63.0	69.9	70.0	72.9	100.5	74.8	68.1	66.0	57.9	53.5	52.2	57.4	58.9	60.6	62.1	64.5	
6 D	62.9	62.1	60.0	61.2	97.0	73.0	62.5	66.3	65.9	46.4	61.6	77.8	66.6	76.9	67.3	67.9	69.3	63.9	61.3	59.4	59.4	60.8	63.0	64.2	65.7	
7	64.0	63.7	64.0	64.1	63.2	68.0	60.3	62.9	61.3	60.2	60.9	63.5	64.8	65.1	65.1	66.8	67.5	64.9	63.9	62.0	61.0	60.9	61.6	62.2	63.4	
8 Q	62.2	62.8	63.0	66.0	64.2	63.3	64.0	64.7	60.3	63.9	63.0	63.1	63.6	64.1	65.0	67.5	68.1	68.5	67.5	64.3	62.0	60.7	60.5	60.7	63.9	
9 Q	61.4	62.1	62.7	63.0	63.0	63.1	63.0	63.0	63.0	63.0	63.1	63.4	63.0	62.9	65.0	67.2	68.0	69.1	68.4	65.1	62.1	60.4	59.5	59.9	63.5	
10	59.8	60.1	60.1	61.0	60.2	60.6	62.9	60.2	67.5	66.5	68.2	66.7	71.0	64.0	65.5	70.0	68.9	67.1	65.4	64.0	61.3	59.2	56.0	53.9	63.3	
11	56.0	57.4	59.2	59.4	70.7	71.9	67.0	67.9	65.0	64.8	60.4	56.8	62.9	66.1	68.0	68.9	67.6	62.1	62.0	61.0	58.8	59.5	60.1	61.1	63.1	
12 D	60.1	60.9	61.2	62.1	62.9	62.1	67.2	62.0	66.4	67.6	65.6	53.2	63.2	66.8	68.2	64.2	63.1	66.4	59.3	58.1	54.3	56.7	60.1	59.2	62.1	
13	60.3	61.0	61.6	63.1	63.9	63.1	63.2	63.0	61.2	66.2	67.1	65.9	62.2	65.6	68.0	70.1	68.1	65.8	64.5	63.0	61.0	60.5	60.2	60.9	63.7	
14	61.6	62.3	62.4	63.0	63.4	63.1	64.9	64.1	71.0	68.3	65.5	65.1	65.0	66.4	68.2	67.4	67.0	66.0	64.6	60.0	59.1	69.7	60.1	61.0	64.1	
15	60.9	60.6	59.7	70.9	66.2	64.0	64.5	63.0	62.6	65.1	64.4	65.2	65.4	65.9	67.6	68.9	68.8	68.1	66.4	62.2	61.1	61.1	60.1	60.3	64.3	
16 Q	61.1	61.6	62.2	62.4	62.1	62.0	62.9	64.3	65.0	61.2	64.8	64.1	63.5	63.3	65.7	68.3	69.3	69.1	67.0	63.1	61.9	60.4	60.1	61.1	63.6	
17	61.1	61.4	61.5	62.0	62.4	62.1	63.2	65.2	66.8	66.1	59.9	64.0	61.4	66.1	67.6	67.2	69.0	67.6	64.4	61.4	59.1	59.6	59.9	60.9	63.3	
18	61.1	61.1	61.4	62.2	61.9	61.9	61.5	63.0	63.6	62.3	64.0	62.6	59.0	61.7	67.9	71.1	70.1	67.2	63.1	60.1	57.2	56.5	58.2	59.1	62.4	
19 D	60.0	60.1	61.2	62.1	62.2	61.8	62.3	72.1	62.3	62.4	64.0	64.7	57.2	68.1	59.3	69.3	68.7	69.1	63.1	53.1	52.0	55.1	59.4	60.1	62.1	
20	60.5	61.6	62.7	62.7	63.1	65.7	62.6	61.5	62.5	63.3	64.1	64.4	58.2	63.9	68.1	70.4	71.1	66.7	54.2	56.9	60.1	59.1	58.9	58.2	62.5	
21 D	58.9	60.5	62.2	63.2	63.5	62.7	80.6	70.9	68.2	64.5	62.7	61.5	63.1	66.1	65.1	65.1	65.0	65.5	62.2	60.4	57.2	57.3	58.2	60.4	63.6	
22	60.0	61.2	62.4	62.5	62.9	63.1	64.4	64.1	63.0	62.5	62.9	62.6	62.6	64.5	66.9	69.1	71.1	70.9	69.0	64.6	60.3	58.5	59.2	60.1	63.7	
23	61.1	61.5	61.5	61.6	62.2	62.2	62.2	62.5	64.4	63.7	63.2	56.1	61.0	65.3	67.9	70.3	71.3	70.1	67.3	63.1	59.9	58.3	58.5	59.2	63.1	
24	58.6	59.6	61.2	61.6	61.9	62.1	62.2	62.9	64.5	65.2	65.0	64.8	64.2	64.8	67.2	70.9	72.3	69.8	65.0	63.3	60.2	58.8	59.2	59.3	63.5	
25	59.1	59.4	60.7	61.2	60.4	62.5	70.4	60.5	69.1	72.2	66.3	68.2	75.0	68.3	67.7	69.2	69.3	67.2	67.8	65.8	62.2	59.2	59.3	59.7	65.0	
26	59.4	60.3	63.0	60.5	62.0	62.5	63.1	62.6	63.3	63.5	62.1	62.5	63.6	64.6	66.2	68.2	69.1	69.1	67.1	63.7	65.4	64.2	64.3	65.2	63.9	
27 Q	60.6	61.3	61.7	61.3	62.2	62.1	62.2	63.1	66.2	64.3	63.2	62.7	63.7	65.1	66.4	69.8	71.7	70.3	67.8	65.1	61.9	60.1	59.6	59.6	63.8	
28	59.8	60.6	61.3	61.9	62.2	62.3	62.4	62.4	62.6	62.9	63.0	63.1	61.2	61.4	65.8	69.2	69.9	67.3	65.0	64.9	61.1	57.2	56.2	56.1	62.5	
29	58.7	51.0	58.2	64.7	62.9	62.2	67.0	70.0	67.3	62.9	62.4	61.8	58.3	62.0	66.4	70.0	70.9	70.4	68.1	63.3	60.9	59.1	59.0	59.7	63.2	
30 Q	60.3	61.0	60.9	61.5	62.1	62.2	63.0	63.4	63.1	64.2	63.3	63.1	62.6	64.6	66.9	68.9	70.2	69.6	67.9	62.9	59.1	57.2	56.9	57.6	63.0	
31	58.9	59.3	60.3	61.7	61.6	61.3	61.9	62.2	62.9	63.2	63.2	63.1	63.1	64.7	66.7	68.2	69.2	68.3	64.7	61.0	58.2	57.5	58.1	59.4	62.4	
Mean	60.4	60.7	61.5	62.6	64.0	63.4	64.1	64.3	64.6	63.7	63.9	63.7	63.8	66.5	66.9	68.4	68.5	67.1	64.3	61.4	59.9	59.2	59.5	60.0	63.4	

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 55 Meanook

$z = 58,000 \gamma +$

March 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	744	744	744	743	745	747	742	704	686	733	735	706	674	703	726	740	744	747	743	743	743	743	743	744	745	732
2	744	747	752	755	754	750	744	747	748	747	747	746	743	726	730	738	737	745	737	738	743	746	748	750	744	
3	747	747	746	745	744	743	741	741	738	744	742	742	740	737	732	726	715	715	721	728	747	757	761	771	740	
4	777	765	746	742	742	741	741	742	742	742	730	693	708	733	739	740	740	740	742	742	742	744	743	742	740	
5 D	742	738	738	738	738	738	737	737	696	539	634	699	679	557	682	732	725	733	735	734	747	757	756	748	711	
6 D	747	747	753	788	766	776	764	656	561	546	520	591	519	626	645	700	733	745	754	759	757	757	753	751	696	
7	751	747	747	748	748	739	638	700	709	718	726	737	742	735	747	746	746	746	752	748	747	747	747	747	736	
8 Q	744	744	742	742	742	745	744	727	702	729	739	739	740	741	741	744	743	742	741	741	742	743	742	742	739	
9 Q	741	741	740	740	739	739	738	738	738	738	738	737	737	737	737	737	737	737	733	731	731	733	737	738	737	
10	740	742	751	758	780	803	780	735	731	715	635	668	648	650	693	737	730	737	744	744	745	753	757	769	731	
11	783	788	803	786	798	768	758	726	735	732	691	663	722	734	740	745	738	737	747	746	747	746	748	747	747	
12 D	746	750	752	747	746	757	767	746	736	725	719	623	589	624	634	665	690	749	752	759	752	746	752	755	720	
13	768	778	768	766	757	750	751	736	690	681	724	726	713	736	736	734	734	736	736	738	739	740	743	741	738	
14	742	742	742	741	741	742	737	740	736	720	733	732	723	714	732	738	741	736	737	740	737	736	737	739	736	
15	742	745	752	801	784	795	786	771	752	743	739	728	725	732	738	737	736	734	733	734	743	745	741	749		
16 Q	736	736	737	736	737	739	743	736	738	701	725	728	729	728	729	732	732	730	729	731	732	736	736	736	732	
17	738	736	733	736	736	736	737	707	713	718	708	714	706	714	725	728	729	732	727	730	732	736	733	734	727	
18	733	731	732	731	731	731	736	734	734	732	727	717	638	620	693	710	719	727	726	728	737	736	737	738	720	
19 D	739	743	744	737	736	747	752	715	734	726	715	700	542	476	596	690	729	737	736	753	754	738	743	736	709	
20	736	736	736	736	743	758	744	736	736	733	725	719	648	654	692	715	724	723	714	721	729	747	757	764	726	
21 D	756	750	749	742	742	752	711	660	724	736	716	715	726	717	719	713	725	725	733	763	757	758	786	764	735	
22	736	736	737	734	736	749	742	736	732	731	731	732	733	736	737	737	737	737	736	736	738	738	744	745	738	737
23	739	739	736	734	734	734	734	734	724	733	716	662	692	728	737	738	737	737	737	737	737	741	741	739	730	
24	745	755	764	747	739	737	737	736	718	705	730	734	733	737	737	738	734	733	731	734	734	733	736	736	736	
25	737	743	752	762	799	783	750	700	629	681	700	659	637	724	740	739	734	732	734	736	737	736	736	734	726	
26	743	753	760	758	752	746	741	736	734	732	724	724	734	734	736	736	734	733	732	732	730	730	730	730	737	
27 Q	733	737	737	734	734	734	733	728	732	732	734	733	731	731	734	736	736	733	736	732	730	730	728	728	733	
28	730	730	731	731	730	730	730	730	730	730	727	724	720	705	713	725	725	728	725	732	737	739	740	751	729	
29	760	791	835	791	780	760	746	726	739	737	734	728	684	695	728	741	739	737	736	736	733	736	736	737	744	
30 Q	738	741	737	734	734	734	734	736	732	730	730	729	730	732	734	734	732	730	726	725	727	729	732	730	732	
31	732	732	730	730	730	730	728	729	729	729	729	730	730	732	734	731	731	726	725	724	726	730	734	732	730	
Mean	745	747	749	749	749	749	741	727	719	714	714	709	694	698	717	729	732	735	735	738	739	742	744	744	732	

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 56 Meanook

H = 12,000 γ +

April 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	1068	1074	1073	1073	1075	1082	1118	1075	927	981	1011	981	997	1021	1067	1079	1063	1056	1049	1054	1054	1058	1064	1063	1048
2	1065	1066	1065	1064	1052	1067	1066	1068	1073	1075	1076	1075	1072	1066	1063	1061	1054	1049	1050	1043	1037	1046	1070	1053	1062
3	1049	1061	1066	1068	1068	1060	1046	1059	1072	1064	1064	1066	1071	1066	1061	1051	1043	1021	1019	1026	1036	1043	1060	1058	1054
4	1067	1060	1064	1069	1064	1083	988	983	822	809	954	1067	1075	1082	1080	1075	1066	1049	1044	1042	1048	1053	1070	1059	1032
5	1067	1071	1057	1067	1059	1058	1061	1061	1061	1062	1061	1051	1066	1073	1067	1067	1058	1046	1036	1039	1042	1050	1060	1067	1059
6 D	1072	1078	1083	1090	1127	1149	1114	1087	890	714	846	1013	1043	1067	1057	1061	1058	1029	996	1019	1044	1074	1076	1092	1037
7 D	1183	1129	1056	1128	1163	822	649	652	639	547	879	595	726	925	922	1009	1063	1046	1043	1030	1058	1073	1114	1185	943
8 D	1161	1114	1081	1103	1065	1058	1019	955	944	1005	1034	1029	893	920	1003	992	900	963	1017	1029	1041	1076	1075	1068	1023
9	1076	1052	1057	1063	1060	1069	1077	1049	1064	1053	1059	1057	1042	1026	977	998	1044	1034	1040	1042	1038	1044	1048	1056	1047
10 D	1048	1057	1086	1091	1074	1080	1081	1066	1050	775	722	695	967	1056	876	843	1028	1021	1004	1036	1034	1068	1145	1074	999
11	1105	1202	1115	1158	1129	1055	913	990	986	729	704	694	917	1026	1078	1029	997	1026	1058	1054	1056	1056	1056	1065	1008
12	1057	1083	1108	1062	1054	1059	1057	1057	1055	1052	1058	1059	1047	1020	1046	1063	1038	1031	1039	1042	1044	1044	1052	1076	1054
13 Q	1090	1053	1058	1050	1056	1059	1058	1057	1051	1050	1061	1064	1060	1058	1052	1048	1042	1027	1028	1042	1047	1049	1051	1064	1053
14 Q	1064	1066	1065	1060	1060	1061	1064	1066	1068	1071	1070	1068	1068	1067	1066	1058	1053	1042	1037	1038	1038	1043	1043	1042	1058
15	1056	1066	1074	1065	1063	1067	1066	1072	1074	1075	1079	1076	1075	1084	1089	1063	1051	1042	1059	1066	1061	1049	1049	1049	1066
16	1052	1059	1054	1054	1052	1054	1056	1056	1054	1056	1056	1059	1056	1066	1066	1059	1059	1045	1042	1043	1043	1048	1058	1059	1054
17	1061	1074	1082	1103	1081	1066	1063	1066	1065	1059	1066	1073	1064	1066	1066	1059	1053	1049	1043	1042	1038	1042	1042	1051	1062
18	1056	1059	1066	1070	1057	1058	1039	1035	987	995	1003	1074	1079	1052	1017	1066	1063	1066	1052	1055	1042	1052	1057	1064	1049
19	1058	1076	1072	1066	1065	1064	1068	1065	1074	1075	1074	1073	1069	1071	1074	1064	1051	1048	1050	1054	1051	1053	1050	1058	1063
20	1062	1057	1059	1073	1072	1066	1072	1074	1071	1070	1073	1075	1078	1077	1075	1066	1056	1058	1051	1050	1050	1048	1048	1057	1064
21	1084	1077	1084	1081	1080	1081	1085	1075	1076	1077	1089	1095	1092	1083	1074	1070	1010	952	957	1015	1040	1067	1088	1089	1063
22 D	1130	1107	1099	1089	1060	1012	879	838	738	967	856	690	849	952	966	961	893	993	1031	1081	1067	1066	1096	1121	981
23	1107	1105	1103	1088	1052	1056	1020	962	996	821	924	876	1033	1074	1058	1066	1044	1058	1065	1065	1060	1065	1066	1061	1034
24 Q	1058	1061	1059	1063	1064	1065	1066	1065	1066	1068	1068	1072	1066	1047	1073	1076	1060	1034	1048	1058	1055	1058	1053	1058	1061
25	1059	1058	1062	1065	1066	1068	1066	1058	1066	1078	933	1042	1085	1084	1078	1059	1050	1043	1028	1042	1048	1058	1067	1073	1056
26	1065	1065	1069	1066	1073	1067	1059	861	727	1044	1055	986	1015	1053	1072	1066	1054	1046	1045	1050	1044	1051	1047	1059	1031
27	1062	1055	1072	1074	1078	1071	1074	1076	1081	994	1046	1050	1057	1056	1048	1029	1049	1039	1041	1043	1052	1065	1063	1062	1056
28	1061	1077	1070	1087	1083	1083	1054	1077	1076	1058	1072	1069	1074	1056	1048	1039	1033	1054	1059	1055	1056	1065	1068	1055	1064
29 Q	1065	1080	1069	1065	1071	1073	1074	1080	1073	1067	1068	1063	1040	989	968	1038	1047	1043	1047	1048	1048	1045	1050	1055	1053
30 Q	1059	1065	1073	1073	1071	1073	1073	1072	1069	1056	1067	1068	1065	1064	1058	1049	1042	1045	1048	1047	1057	1052	1065	1065	1062
31																									
Mean	1076	1077	1073	1078	1073	1059	1038	1025	1000	985	1004	998	1028	1045	1042	1042	1037	1035	1038	1045	1048	1059	1065	1069	1043

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 57 Meanook

D = 23° E + ...'

April 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	59.3	60.2	60.4	60.2	64.9	65.2	62.1	63.3	77.9	84.4	61.7	67.2	73.2	60.5	66.0	68.7	69.2	67.2	63.2	61.7	58.7	58.0	60.1	60.6	64.7
2	60.7	61.6	62.2	62.9	66.7	63.2	61.3	62.1	63.0	63.8	64.3	64.5	64.4	65.1	65.8	67.2	67.4	65.2	60.3	61.6	56.9	56.2	54.7	53.8	62.3
3	56.6	59.6	61.2	61.8	62.1	65.3	77.2	65.3	62.6	62.2	63.4	64.0	64.0	64.2	66.2	68.2	66.7	67.9	61.3	57.0	56.3	58.3	57.4	59.2	62.8
4	58.6	59.6	61.4	62.1	64.5	65.9	53.7	69.4	53.8	89.0	77.5	69.2	65.2	68.6	70.3	70.5	70.2	68.1	65.1	62.2	59.2	58.4	62.3	62.2	65.3
5	61.7	57.6	61.2	61.3	65.3	61.1	62.4	61.3	61.9	61.4	62.3	61.0	62.6	66.2	69.1	70.2	70.5	68.7	66.4	62.3	59.7	58.2	58.1	58.6	62.9
6 D	60.2	59.4	60.4	59.2	63.3	65.2	68.6	67.6	60.0	65.2	60.8	72.5	75.4	72.2	72.1	73.7	72.9	69.8	62.2	53.6	58.3	48.2	51.2	53.1	63.5
7 D	63.2	60.8	57.3	60.3	65.4	45.1	49.3	88.1	75.3	69.3	63.8	62.1	75.0	67.0	70.5	64.2	71.3	68.2	66.6	66.7	62.2	60.2	57.6	64.0	63.9
8 D	64.4	65.8	60.2	70.1	68.0	63.9	58.2	51.6	56.3	59.1	60.3	68.2	62.0	58.3	70.2	70.1	65.2	52.4	55.3	53.2	53.2	59.0	54.0	58.2	60.7
9	58.7	62.3	59.7	60.5	61.1	63.2	62.0	56.6	63.7	63.5	64.2	65.8	65.3	67.3	62.2	62.2	70.1	67.1	65.9	64.2	59.6	60.3	61.0	59.6	62.8
10 D	60.1	60.3	59.1	61.5	61.7	60.3	63.3	61.8	64.3	67.3	79.7	101.1	84.5	75.3	83.7	69.8	63.1	63.3	60.5	61.3	53.3	56.2	60.7	58.1	66.3
11	55.3	60.4	84.6	70.9	65.3	62.4	48.9	60.1	62.3	54.3	64.9	60.4	66.5	71.9	72.3	69.2	59.5	60.7	67.3	63.6	63.4	62.2	60.3	59.2	63.6
12	59.0	59.4	72.4	62.5	62.0	62.2	62.4	63.2	62.8	62.2	62.7	64.1	63.3	63.3	65.8	67.4	66.9	66.8	65.2	62.0	60.6	59.3	56.3	54.9	62.8
13 Q	59.2	58.3	59.0	61.2	62.3	62.2	62.3	62.4	60.7	61.0	63.3	63.4	63.8	64.7	64.8	66.4	66.3	63.5	60.3	58.5	58.1	58.1	58.2	58.3	61.5
14 Q	59.1	60.7	60.8	61.4	62.0	62.1	62.3	62.3	62.1	62.4	63.0	63.8	65.2	66.4	68.3	69.8	70.4	69.2	66.0	63.1	60.3	57.8	57.1	56.9	63.0
15	57.4	58.6	60.5	62.8	67.5	60.0	61.7	61.6	62.1	62.6	63.3	63.6	65.3	67.1	69.5	70.2	68.2	62.8	60.0	62.0	58.3	57.1	56.4	57.1	62.3
16	60.5	60.7	61.9	62.4	62.6	63.1	62.9	62.9	62.7	64.3	63.9	64.7	66.1	65.4	67.1	69.3	69.6	69.3	65.0	63.2	57.3	55.6	54.4	55.2	62.9
17	57.1	59.0	59.8	74.3	69.4	62.3	62.2	63.0	63.4	63.4	62.3	63.3	62.1	67.8	70.2	71.3	71.3	69.8	64.7	62.6	59.3	58.2	57.4	57.3	63.8
18	57.2	58.3	61.4	63.8	64.2	60.5	66.3	67.8	69.7	70.2	72.6	69.5	67.6	68.6	67.5	69.4	68.6	68.2	68.7	68.2	59.8	60.3	58.9	58.3	65.2
19	57.6	58.4	61.8	67.9	62.3	61.4	61.9	73.3	63.4	61.7	62.3	63.0	63.5	66.8	68.2	68.7	68.2	65.8	63.0	61.1	59.8	59.5	58.7	58.2	63.2
20	57.3	57.9	60.3	67.5	62.4	61.2	61.2	62.2	62.8	62.5	63.2	63.7	66.1	68.3	70.3	70.5	69.3	65.6	63.3	60.3	59.3	56.8	56.4	57.1	62.7
21	56.1	58.7	60.3	59.4	61.1	60.9	60.1	61.3	59.5	60.2	63.5	64.9	66.4	68.9	69.3	70.9	73.4	58.8	52.7	45.3	51.3	56.5	58.3	56.7	60.6
22 D	60.2	60.0	60.1	65.9	65.2	87.9	83.3	66.9	83.5	70.2	66.2	65.1	65.3	62.1	63.5	63.3	58.0	61.3	62.2	63.3	61.3	61.1	61.4	59.9	65.7
23	59.4	56.3	62.0	65.4	77.3	68.2	67.9	84.2	68.3	61.5	67.3	72.8	70.4	70.3	69.4	70.5	68.8	65.4	63.1	60.9	58.3	59.4	59.4	59.9	66.1
24 Q	60.8	62.1	62.0	61.8	62.4	62.5	62.0	62.0	62.7	60.8	60.9	62.9	61.5	65.4	67.5	69.4	70.3	69.2	63.5	59.6	57.1	55.4	56.4	57.5	62.3
25	59.4	60.5	61.4	61.7	62.3	62.1	69.3	60.5	64.5	62.3	53.4	68.7	68.8	70.5	72.5	70.0	66.4	66.5	61.4	55.4	52.8	55.7	56.3	57.2	62.5
26	59.0	60.3	61.5	62.4	62.4	71.5	73.2	61.8	59.0	67.1	68.9	69.0	70.3	74.7	73.3	71.4	70.3	66.3	63.5	61.8	60.4	59.1	58.7	58.5	65.2
27	58.1	58.2	58.9	60.4	68.4	63.4	64.3	63.5	61.3	56.4	64.9	67.2	70.2	71.9	71.3	67.4	66.2	63.3	57.7	55.4	55.1	56.4	56.5	55.8	62.2
28	56.3	55.7	56.9	57.6	58.6	64.3	69.1	67.1	65.4	64.5	67.9	67.7	68.1	70.4	72.4	72.2	65.2	60.3	63.4	60.9	60.2	58.5	57.5	57.7	63.3
29 Q	57.0	57.0	61.4	65.4	61.5	60.8	60.9	61.1	63.5	63.0	64.4	64.1	67.3	65.8	63.4	67.8	67.4	65.6	63.1	59.6	55.5	54.4	56.2	57.4	61.8
30 Q	58.9	58.4	59.2	59.8	60.3	60.4	60.3	60.1	60.7	60.9	64.0	65.4	65.9	67.4	70.4	70.5	67.4	64.0	60.3	57.6	55.0	53.4	54.5	55.6	61.3
31																									
Mean	58.9	59.5	61.6	63.1	64.1	63.3	63.4	63.8	64.0	64.6	64.7	66.8	67.2	67.4	69.1	69.0	67.9	65.3	62.7	60.0	58.0	57.6	57.5	57.9	63.2

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 58 Meanook

Z = 58,000 γ +

April 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	727	726	726	736	775	773	777	755	586	662	662	625	658	692	730	743	736	736	736	739	739	736	736	736	718	
2	731	733	733	738	742	733	730	730	731	726	724	725	726	725	725	726	726	725	725	726	734	742	749	760	732	
3	763	739	734	733	734	746	723	701	747	736	732	728	733	731	728	726	727	731	737	736	737	744	747	745	735	
4	746	745	736	738	749	758	572	647	452	413	550	692	725	741	739	734	732	727	734	733	733	734	746	758	694	
5	781	790	794	811	768	746	736	737	733	725	715	718	724	736	747	750	747	746	734	733	734	734	733	731	746	
6 D	733	730	730	737	804	757	733	681	649	572	465	633	670	717	730	733	733	723	715	730	752	822	778	767	712	
7 D	833	837	768	794	737	507	531	606	737	767	634	533	499	553	573	719	747	740	736	744	780	779	806	831	700	
8 D	811	798	776	744	777	758	689	636	633	654	675	677	629	627	628	627	650	712	728	739	746	759	756	757	708	
9	789	764	746	747	752	753	699	665	747	746	738	734	728	720	670	689	724	731	733	740	740	740	745	755	733	
10 D	749	743	751	801	771	757	756	746	724	433	516	498	592	704	585	640	698	725	747	786	796	792	837	759	704	
11	772	829	792	811	817	728	541	581	644	620	588	641	657	718	752	727	715	732	757	752	757	764	768	776	718	
12	757	767	796	771	744	743	740	740	731	733	733	734	730	714	724	736	733	733	739	743	744	749	757	779	745	
13 Q	790	745	747	746	747	749	750	746	731	723	732	736	738	737	736	732	731	728	732	732	737	741	739	743	740	
14 Q	749	751	745	738	736	736	736	736	736	736	736	737	738	740	740	739	737	736	733	734	736	741	742	739	738	
15	737	738	743	753	769	746	746	738	738	737	736	734	736	737	733	729	726	721	718	725	724	721	725	733	735	
16	740	743	751	746	738	733	729	729	721	717	712	717	721	717	721	721	725	731	731	736	736	743	750	747	732	
17	742	752	776	816	811	775	751	745	728	724	707	718	714	713	730	737	738	736	730	732	734	739	738	736	743	
18	736	734	738	749	760	747	714	707	657	635	637	727	736	721	664	712	725	736	740	740	744	746	746	750	721	
19	746	745	779	784	759	742	733	715	725	737	736	733	725	725	731	734	734	732	734	732	725	725	729	742	738	
20	748	755	756	756	739	746	739	732	726	730	733	733	733	737	737	737	738	733	728	728	735	737	737	737	738	
21	743	739	741	737	735	742	737	732	728	726	730	732	731	731	731	729	728	728	709	719	771	779	769	779	739	
22 D	843	812	803	802	780	659	573	617	407	617	606	519	568	669	619	646	624	696	747	780	784	800	810	812	691	
23	813	813	795	780	738	737	703	562	650	591	565	575	682	727	737	745	727	738	745	746	747	747	752	747	715	
24 Q	745	746	740	740	739	739	738	733	734	737	735	741	737	725	730	738	735	729	735	728	726	729	735	738	735	
25	741	739	740	739	739	741	716	703	693	716	599	648	740	741	728	716	713	719	720	725	734	740	746	744	720	
26	745	741	747	742	738	744	690	662	451	643	693	638	659	704	740	747	750	747	746	745	747	750	754	761	712	
27	758	746	751	755	769	739	758	757	766	675	679	711	712	718	717	702	720	726	729	732	732	739	742	745	732	
28	747	754	758	778	782	761	667	719	730	721	721	726	734	721	716	727	728	669	716	718	725	736	745	742	731	
29 Q	738	741	752	751	741	742	745	751	740	720	718	721	708	673	653	702	723	727	727	727	727	731	740	744	727	
30 Q	741	734	734	736	738	740	739	740	742	708	714	728	729	727	726	716	710	716	721	727	735	743	748	746	730	
31																										
Mean	759	758	756	760	758	736	707	702	684	679	674	684	697	711	707	719	723	727	732	737	743	749	754	755	725	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 59 Meanook

H = 12,000 γ +

May 1962

Day	Hour U. T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1		1096	1089	1079	1081	1084	1090	1073	1064	1065	1065	1058	1067	1070	1065	1058	1049	1037	1025	1027	1041	1051	1057	1073	1056	1064	
2		1081	1080	1080	1113	1127	1111	1050	1040	1064	1065	1042	1041	1058	1063	1065	1057	1039	1020	1036	1047	1055	1071	1073	1087	1065	
3		1111	1101	1087	1083	1073	1071	1075	1069	1036	1015	1029	1067	1058	1071	1066	1055	1050	1036	1037	1041	1049	1059	1064	1071	1061	
4	Q	1072	1073	1069	1069	1069	1071	1072	1071	1076	1080	1080	1080	1081	1081	1074	1065	1055	1047	1047	1054	1057	1058	1060	1065	1068	
5		1070	1073	1072	1071	1070	1073	1076	1073	1074	1080	1080	1080	1080	1080	1080	1074	1069	1062	1055	1057	1066	1082	1091	1073	1074	
6	D	1089	1093	1082	1091	1091	1087	1087	1090	1095	1088	1073	1015	968	925	703	705	773	935	964	1038	1076	1098	1095	1080	1014	
7		1142	1116	1104	1081	1067	1057	1050	1052	1046	1050	1046	1056	1037	1047	1055	1053	1048	1041	1035	1041	1034	1041	1072	1056	1059	
8		1071	1070	1065	1063	1066	1072	1061	1069	1071	1072	1071	1073	1073	1070	1069	1073	1059	1043	1038	1035	1050	1062	1065	1082	1064	
9		1080	1065	1073	1069	1065	1063	1064	1064	1060	1065	1072	1073	1077	1077	1077	1074	1070	1060	1055	1056	1055	1053	1055	1060	1066	
10		1072	1048	1080	1073	1066	1065	1066	1065	1065	1055	1055	1076	1073	1072	1074	1080	1073	1073	1065	1065	1060	1059	1060	1065	1065	1067
11		1073	1079	1073	1071	1076	1077	1070	1077	1079	1080	1085	1087	1057	1061	1082	1064	1037	1023	1042	1047	1057	1062	1057	1080	1067	
12		1071	1074	1066	1066	1066	1067	1061	1058	1067	1051	1063	1072	1066	1069	1067	1065	1060	1051	1042	1059	1063	1067	1070	1079	1064	
13	D	1074	1078	1081	1089	1091	1091	1078	1073	1073	1071	1042	1004	904	1050	1071	1073	1065	1056	1048	1064	1080	1061	1089	1143	1065	
14	D	1139	1160	1135	1167	1072	1042	1033	1037	1034	997	1081	1024	1073	1086	1095	1091	1079	1060	1047	1051	1065	1065	1087	1092	1076	
15	D	1096	1065	1081	1087	1065	1065	1070	993	1069	1087	1071	1063	1077	1080	1043	1053	1026	1017	1009	1024	1079	1073	1062	1064	1059	
16		1068	1080	1066	1071	1093	1128	1073	1062	1064	783	817	994	1077	1089	1083	1073	1072	1065	1056	1050	1056	1073	1081	1070	1048	
17		1066	1073	1071	1071	1073	1073	1073	1073	1075	1069	1060	1069	1074	1070	1069	1064	1057	1048	1045	1046	1049	1063	1065	1080	1066	
18	Q	1085	1080	1079	1070	1065	1070	1070	1073	1075	1080	1080	1084	1083	1080	1073	1062	1055	1046	1045	1047	1053	1059	1077	1087	1070	
19		1091	1097	1095	1080	1073	1080	1071	1080	889	1080	1033	1057	1069	1088	1095	1080	1077	1065	1058	1051	1060	1065	1068	1085	1066	
20		1087	1103	1079	1079	1071	1072	1075	1079	1076	1079	1074	1083	1094	1091	1086	1064	1053	1056	1055	1054	1054	1063	1076	1080	1074	
21		1076	1087	1070	1072	1072	1070	1071	1072	1074	1076	1079	1080	1081	1071	1072	1072	1064	1048	1038	1040	1046	1056	1072	1092	1069	
22		1098	1093	1072	1073	1072	1072	1072	1073	1076	1079	1080	1086	1083	1080	1080	1067	1058	1048	1048	1048	1056	1059	1063	1075	1073	
23	Q	1086	1089	1094	1087	1082	1076	1072	1072	1068	1072	1076	1079	1083	1099	1103	1090	1073	1064	1056	1055	1056	1056	1061	1073	1076	
24	Q	1079	1090	1096	1091	1079	1072	1072	1072	1074	1079	1079	1083	1088	1090	1086	1082	1071	1055	1054	1055	1058	1063	1068	1073	1075	
25	Q	1079	1079	1074	1074	1077	1079	1081	1084	1084	1087	1087	1089	1092	1092	1088	1079	1064	1048	1045	1054	1058	1068	1079	1091	1076	
26		1094	1091	1086	1078	1081	1078	1081	1085	1089	1090	1091	1094	1090	1087	1074	1061	1050	1039	1040	1051	1060	1087	1099	1101	1078	
27		1079	1081	1073	1077	1102	1121	1158	1098	1067	1054	1069	1013	1062	1087	1046	1018	1033	1046	1046	1055	1056	1086	1094	1095	1072	
28		1080	1064	1064	1067	1072	1072	1070	1072	1071	1046	1032	993	1013	1026	1018	1028	1017	1007	1008	1043	1072	1085	1083	1096	1050	
29		1098	1073	1096	1099	1094	1080	1079	1051	1045	1064	1076	1057	1055	1059	1064	1046	1036	1034	1044	1056	1061	1063	1072	1079	1066	
30		1073	1079	1077	1072	1072	1072	1076	1078	1074	1074	1079	1084	1081	1072	1061	1047	1036	1045	1049	1057	1066	1079	1091	1069	1069	
31	D	1087	1086	1081	1087	1107	1126	1138	1090	1076	1025	814	619	257	593	981	1062	1080	1071	1050	1064	1083	1080	1094	1140	1000	
Mean		1086	1084	1081	1081	1079	1079	1075	1068	1063	1057	1051	1046	1040	1054	1057	1053	1047	1043	1041	1049	1059	1066	1074	1083	1063	

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 60 Meanook

B = 23° E + ...'

May 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	54.3	57.7	57.6	59.0	61.2	63.5	63.7	62.3	62.2	62.0	60.4	63.6	65.3	67.4	68.6	70.2	69.1	64.4	59.5	55.3	55.2	52.5	49.4	49.6	60.6	
2	51.2	53.5	54.5	53.6	57.7	63.2	65.0	68.1	64.7	64.2	63.4	62.1	67.8	69.7	70.6	72.4	72.9	64.8	60.7	57.3	55.0	52.3	50.9	51.5	61.1	
3	54.2	52.5	54.9	58.8	58.8	60.9	59.7	64.4	65.3	61.8	60.3	63.3	68.4	68.2	71.7	71.0	69.9	67.5	61.5	58.3	57.2	56.2	56.3	56.3	61.6	
4 Q	58.1	59.3	61.9	61.4	62.3	62.4	68.9	65.7	63.4	62.2	63.3	64.5	66.5	69.1	71.3	72.4	72.2	69.5	65.3	62.3	59.2	57.3	56.5	56.6	63.8	
5	57.4	59.0	60.4	61.3	61.5	62.2	64.0	63.6	63.9	63.1	63.7	65.3	67.3	68.2	70.2	71.6	71.9	70.1	66.9	62.3	58.1	54.5	52.4	52.2	63.0	
6 D	52.1	53.1	58.0	58.3	57.8	58.7	59.8	60.8	62.7	64.1	63.5	61.4	65.9	66.7	47.7	68.4	60.9	67.2	55.7	52.2	52.1	55.3	55.3	56.0	58.9	
7	56.3	62.0	59.1	63.3	59.4	62.6	61.7	60.4	62.3	61.5	60.4	63.4	65.1	67.5	70.0	71.2	70.1	66.0	64.2	60.7	56.3	54.4	54.7	56.3	62.0	
8	57.2	58.8	61.1	61.3	61.7	62.3	67.2	65.9	63.1	61.2	61.9	62.6	64.2	68.1	69.7	70.4	68.7	66.8	63.4	60.3	57.9	55.9	54.3	53.7	62.4	
9	55.3	58.7	60.3	60.4	64.2	61.6	61.6	61.2	61.8	62.1	62.3	62.9	64.6	67.1	69.3	70.3	69.5	67.8	64.5	61.9	58.1	57.3	57.5	57.9	62.4	
10	58.1	57.9	60.2	63.2	61.6	61.1	62.3	66.3	67.3	66.4	64.5	61.3	63.6	70.3	73.3	73.3	70.2	68.1	64.4	61.2	58.2	57.2	55.6	57.0	63.4	
11	59.0	60.8	62.6	62.0	60.7	60.3	61.2	64.0	63.1	63.1	63.1	62.9	61.4	73.7	77.3	75.2	68.7	61.0	54.2	51.2	55.7	55.0	55.2	58.0	62.1	
12	60.1	61.0	61.4	62.1	62.2	62.1	66.6	64.0	62.2	57.3	61.5	64.4	67.3	70.2	70.5	79.9	68.4	65.9	61.3	60.6	58.3	56.9	56.2	56.9	62.8	
13 D	58.0	58.7	59.3	61.4	63.7	66.1	62.6	61.3	61.9	60.5	61.2	61.0	58.0	70.2	71.5	70.3	68.0	64.2	60.2	56.2	59.1	56.4	55.4	55.3	61.7	
14 D	55.6	50.1	59.6	62.6	65.3	64.8	69.2	65.4	61.7	59.3	61.1	62.2	65.5	66.8	70.2	70.2	69.1	67.0	63.2	59.3	58.2	56.1	55.2	57.5	62.3	
15 D	58.5	60.2	69.3	80.7	63.1	60.6	60.7	63.5	62.6	61.2	61.2	59.6	64.7	68.4	69.5	71.2	67.8	66.4	62.3	51.0	54.2	56.2	58.5	60.2	63.0	
16	60.9	61.2	61.3	61.2	61.2	71.1	63.6	64.6	61.2	65.3	77.6	75.0	70.2	71.3	72.1	71.5	69.6	66.3	63.2	59.4	56.3	55.8	56.4	55.3	64.6	
17	57.2	59.1	61.2	61.5	61.7	61.2	62.2	63.9	63.2	59.4	60.2	62.4	66.5	69.0	71.3	70.7	68.8	65.9	63.2	61.2	57.4	56.7	56.3	58.1	62.4	
18 Q	59.2	60.7	62.4	63.2	62.1	62.2	63.0	61.3	61.1	62.0	62.1	64.2	66.1	68.3	71.2	72.2	72.1	68.2	63.5	59.7	57.2	56.4	56.9	58.2	63.1	
19	58.8	59.5	60.4	61.1	60.5	61.4	62.9	61.3	59.1	71.2	65.2	63.2	71.7	71.5	68.8	70.2	67.2	69.0	66.7	63.1	60.7	56.7	57.6	57.8	63.6	
20	58.9	59.3	61.9	61.9	62.5	61.4	63.2	65.1	63.7	62.8	64.2	65.3	68.2	70.1	70.4	71.2	67.7	68.6	66.2	62.5	58.2	56.3	57.1	58.0	63.5	
21	58.8	60.2	62.3	61.3	61.3	61.5	61.9	62.2	62.6	62.6	63.5	64.3	65.4	65.5	69.0	70.2	69.2	66.4	63.4	60.7	57.2	53.7	53.6	54.3	62.1	
22	57.2	60.3	63.8	63.3	62.4	61.8	61.4	61.3	61.8	62.2	61.2	62.5	65.5	69.1	72.4	73.1	72.1	69.5	63.2	61.0	57.9	57.8	57.4	57.2	63.1	
23 Q	59.2	60.9	61.7	62.3	61.5	61.5	60.7	59.9	61.2	63.2	62.3	65.0	68.4	72.4	73.8	73.3	72.7	69.5	66.9	64.2	61.1	59.2	58.1	58.4	64.1	
24 Q	59.2	61.7	64.1	64.8	62.3	61.5	60.4	61.1	61.4	62.0	62.3	63.7	67.3	70.1	72.1	74.2	71.6	68.2	63.4	59.5	57.7	55.9	55.2	56.5	63.2	
25 Q	58.8	59.9	60.5	60.4	60.6	60.7	60.9	61.2	61.7	62.1	62.3	64.4	67.4	70.2	72.4	72.9	70.9	66.3	60.9	57.7	55.1	54.0	54.2	55.5	62.1	
26	57.7	59.2	60.1	60.2	59.9	60.1	60.8	61.5	62.4	62.2	63.5	65.6	67.5	71.4	73.4	73.7	70.3	66.4	61.5	55.0	52.8	52.3	51.5	53.2	61.8	
27	55.5	57.1	59.1	59.2	57.3	56.9	53.9	57.5	58.1	63.7	65.2	64.5	72.2	76.7	76.8	79.4	68.1	64.7	57.1	56.1	51.2	52.4	50.3	52.2	61.0	
28	54.2	58.3	60.8	61.8	62.1	60.2	59.5	60.6	60.2	60.4	64.8	64.7	67.8	68.8	71.2	79.3	67.2	61.2	55.3	55.0	57.2	56.4	56.3	57.9	61.3	
29	59.1	60.2	61.1	63.2	59.9	62.4	60.2	56.3	71.2	66.3	64.0	66.0	67.7	70.7	72.2	71.4	69.2	64.8	60.3	57.4	56.3	55.3	55.2	56.3	62.8	
30	58.0	59.2	60.5	61.7	62.7	62.8	61.3	60.9	60.9	60.3	62.3	63.9	67.3	69.1	71.2	71.8	70.2	67.3	62.8	58.3	55.3	54.0	54.9	57.3	62.3	
31 D	58.3	59.4	59.4	59.3	58.0	57.9	63.9	63.3	59.2	63.5	75.1	96.5	109.7	87.9	84.3	77.5	79.8	74.3	64.4	57.6	56.3	54.3	53.4	57.5	67.6	
Mean	57.3	58.7	60.7	61.8	61.2	61.8	62.4	62.5	62.5	62.6	63.5	64.9	67.6	70.1	71.1	72.0	69.8	66.9	62.2	58.7	56.8	55.5	55.1	56.1	62.6	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 61 Meanook

$z = 58,000 \gamma +$

May 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	758	785	759	753	753	748	758	730	727	726	695	716	723	727	727	727	728	728	720	718	716	740	760	759	737
2	766	766	768	816	847	792	738	696	716	717	701	669	696	721	733	738	740	738	736	738	745	754	767	785	745
3	808	778	780	787	769	759	761	747	708	661	644	715	721	744	740	738	738	738	736	736	738	739	740	738	740
4 Q	736	738	744	738	740	743	728	710	726	727	734	736	738	738	735	732	731	728	728	728	728	728	728	729	733
5	730	730	731	730	731	733	728	734	734	734	732	731	730	729	727	727	725	719	715	710	715	718	714	726	
6 D	716	716	718	726	729	729	729	729	729	730	724	639	564	485	419	496	545	667	726	771	786	775	780	772	683
7	786	769	781	779	771	761	745	718	718	730	230	741	730	739	743	741	739	739	733	736	739	740	749	746	746
8	752	753	742	739	737	740	740	718	728	731	736	737	739	739	731	731	729	730	734	729	737	746	759	763	738
9	760	748	750	748	744	737	736	734	729	729	733	733	736	739	740	737	735	733	728	726	726	728	733	737	737
10	740	748	753	761	750	753	742	727	684	670	714	728	722	724	729	727	728	732	737	737	737	736	735	735	731
11	735	736	736	736	739	739	740	731	729	728	734	733	697	674	704	708	704	701	706	714	736	746	748	752	725
12	745	739	735	735	737	745	753	734	727	706	705	730	735	731	731	733	731	729	728	729	732	736	735	740	733
13 D	739	736	733	740	757	771	767	743	735	730	665	631	559	652	704	717	731	728	728	733	741	748	793	812	725
14 D	819	847	839	805	762	729	663	696	632	605	706	654	696	728	740	740	734	734	731	734	745	766	772	771	735
15 D	767	751	773	746	756	748	738	641	697	730	722	702	727	736	727	731	724	727	738	735	730	724	722	729	730
16	733	740	733	730	746	747	737	727	730	558	591	619	697	736	741	744	747	745	740	740	742	741	750	741	719
17	740	740	737	734	734	738	736	729	727	696	680	704	729	734	734	735	734	730	729	728	725	729	729	735	728
18 Q	737	737	740	740	734	733	731	729	719	729	730	732	733	728	727	718	719	719	723	725	730	732	740	742	730
19	740	737	736	732	732	736	740	741	594	685	666	678	688	720	737	730	729	727	727	728	736	740	741	740	719
20	741	745	737	740	740	737	725	727	724	716	723	730	735	732	729	721	710	717	725	725	727	729	736	743	730
21	740	741	738	736	730	729	729	730	729	729	729	731	729	720	718	721	723	719	720	720	723	727	729	734	728
22	740	745	740	734	729	729	728	728	729	729	729	728	718	717	719	728	728	727	719	721	728	729	736	740	729
23 Q	738	734	735	734	734	738	733	728	719	723	724	724	720	724	727	729	727	722	723	728	731	735	737	738	730
24 Q	732	731	738	743	742	735	728	727	729	729	729	730	730	730	728	728	722	718	712	714	719	725	729	729	728
25 Q	729	729	727	728	728	728	729	729	728	728	728	728	729	727	723	718	717	718	715	715	718	723	727	724	725
26	729	724	722	723	722	723	723	723	723	723	722	723	719	714	709	710	708	705	707	714	722	737	740	740	721
27	743	741	728	721	729	748	767	750	730	693	714	675	681	727	697	680	677	696	695	705	715	738	771	766	720
28	746	729	722	730	738	731	729	721	712	661	622	601	619	636	676	707	718	722	719	732	744	761	762	736	707
29	736	729	747	748	761	751	740	687	619	691	728	718	717	718	729	729	7	1	729	729	727	725	729	730	724
30	729	727	729	732	735	736	740	735	731	721	705	718	731	730	728	723	720	720	717	715	721	727	721	721	725
31 D	725	727	727	728	731	758	738	744	729	707	520	815	534	437	587	731	761	737	745	747	755	754	773	805	709
Mean	746	745	745	744	745	743	736	724	713	706	701	708	701	704	711	719	720	724	725	728	732	738	745	747	727

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

HORIZONTAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 62 Meanook

H = 12,000 γ +

June 1962

Day	Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1		1131	1102	1088	1078	1068	1067	1045	979	942	1037	952	981	1068	1077	1086	1072	1055	1036	1033	1040	1051	1057	1092	1105	1052	
2		1095	1101	1070	1063	1069	1066	1072	1071	1064	1050	1076	1079	1080	1079	1074	1055	1047	1036	1033	1046	1054	1063	1086	1082	1067	
3		1072	1072	1071	1072	1072	1072	1072	1071	1072	1064	1077	1083	1086	1083	1063	1047	1044	1049	1050	1062	1069	1077	1074	1090	1069	
4		1126	1161	1133	1086	1072	1072	1073	1071	1071	1023	964	900	978	1018	1049	1037	1046	1034	1039	1063	1067	1103	1111	1109	1059	
5		1112	1090	1096	1080	1079	1078	1072	1067	963	1043	1060	1060	1071	1059	1064	1052	1044	1032	1045	1048	1072	1095	1105	1165	1069	
6		1179	1200	1155	1063	1083	1142	1015	983	1045	1009	1041	1026	1030	1046	1071	1067	1054	1043	1028	1035	1046	1050	1068	1069	1065	
7		1082	1083	1079	1078	1079	1088	1090	1014	1005	981	959	983	1045	1066	1063	1048	1049	1048	1055	1051	1051	1072	1070	1070	1050	
8 Q		1069	1063	1069	1072	1078	1082	1071	1075	1074	1074	1077	1083	1083	1086	1085	1076	1071	1060	1055	1052	1053	1067	1079	1110	1074	
9 D		1076	1105	1103	1089	1155	1069	1057	1060	980	1004	1071	1088	1078	1081	1075	1107	1093	1063	1040	1039	1055	1060	1104	1155	1075	
10 D		1202	1125	1102	1124	1094	1042	945	839	1001	815	914	1035	1015	1089	1101	1102	1094	1071	1061	1052	1071	1078	1079	1084	1047	
11		1096	1087	1082	1082	1087	1071	1078	1077	1075	1085	1078	1081	1080	1067	1068	1069	1060	1050	1046	1045	1053	1072	1093	1087	1074	
12		1088	1098	1082	1075	1071	1075	1082	1078	1055	1085	1078	1060	1071	1067	1062	1075	1071	1067	1053	1055	1051	1063	1064	1072	1071	
13		1082	1093	1094	1095	1096	1085	1078	1029	1064	1082	1067	1086	1087	1088	1085	1079	1063	1044	1044	1051	1064	1071	1077	1085	1075	
14		1081	1087	1087	1070	1078	1063	1072	1077	1078	1080	1089	1078	1067	1066	1072	1099	1075	1058	1042	1053	1067	1076	1105	1055	1074	
15		1108	1107	1125	1127	1082	1078	1070	1070	1068	1054	1053	1047	1067	1047	1063	1049	1048	1060	1047	1040	1051	1059	1071	1064	1069	
16		1105	1100	1078	1086	1072	1071	1072	1071	1072	1072	1071	1080	1087	1092	1086	1072	1064	1047	1039	1036	1039	1041	1060	1068	1070	
17 Q		1064	1079	1079	1073	1073	1073	1072	1072	1072	1071	1074	1081	1083	1086	1087	1079	1064	1043	1041	1045	1053	1064	1072	1092	1070	
18 Q		1101	1091	1091	1072	1079	1073	1077	1079	1079	1080	1083	1087	1091	1089	1082	1068	1051	1045	1050	1060	1064	1067	1072	1076	1075	
19 Q		1083	1086	1082	1079	1086	1080	1079	1079	1080	1081	1088	1088	1068	1081	1098	1095	1080	1072	1056	1046	1047	1062	1077	1081	1077	
20 Q		1090	1091	1082	1081	1083	1079	1086	1084	1079	1083	1079	1083	1088	1095	1091	1084	1072	1059	1043	1044	1047	1067	1075	1081	1077	
21		1087	1085	1086	1084	1090	1092	1094	1095	1094	1097	1098	1072	1087	1089	1070	1062	1087	1071	1046	1028	1035	1061	1087	1105	1079	
22		1128	1125	1090	1094	1136	1035	1084	1079	1075	1072	1074	1077	1090	1087	1083	1076	1054	1033	1023	1034	1048	1073	1082	1111	1078	
23 D		1098	1096	1094	1094	1096	1108	1086	1078	953	1024	1078	1070	1064	1065	1071	1074	1057	1040	1025	1032	1072	1099	1083	1097	1069	
24		1098	1079	1053	1061	1058	1066	1078	1071	1069	1043	1031	1079	1087	1078	1072	1068	1064	1042	1036	1045	1057	1062	1084	1088	1065	
25		1097	1086	1075	1064	1080	1090	1064	1061	1068	1057	1056	1064	1055	1072	1087	1078	1064	1048	1036	1038	1046	1055	1061	1064	1065	
26		1062	1064	1064	1066	1066	1064	1067	1070	1072	1078	1080	1074	1068	1064	1079	1061	1063	1063	1055	1052	1040	1056	1045	1094	1065	
27 D		1126	1104	1095	1118	1086	1078	1072	920	801	805	814	782	732	910	1086	1087	1081	1049	1013	1028	1079	1086	1071	1109	1006	
28 D		1096	1079	1117	1085	1079	1094	1051	1072	951	735	912	1017	1072	1048	1071	1075	1079	1057	1050	1037	1049	1088	1064	1094	1045	
29		1104	1100	1115	1095	1080	1079	1079	1073	1025	1068	1040	961	992	1042	1064	1056	1054	1055	1025	1032	1048	1061	1091	1101	1060	
30		1094	1088	1091	1089	1120	1123	1009	1051	861	946	1059	1041	1040	1071	1079	1072	1054	1043	1055	1047	1058	1056	1061	1064	1053	
31																											
Mean		1101	1098	1091	1083	1085	1079	1065	1051	1030	1027	1040	1043	1054	1066	1076	1071	1064	1051	1042	1045	1055	1069	1079	1091	1065	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 63 Meanook

D = 23° E + ...'

June 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	62.5	61.3	65.3	69.2	60.9	60.5	64.5	50.2	40.2	58.2	49.3	53.2	66.2	70.8	73.4	72.1	69.4	66.0	63.6	59.3	53.3	50.3	51.2	54.2	60.2
2	57.8	63.0	61.4	60.6	61.6	63.5	61.5	59.9	59.6	57.1	59.3	63.3	67.0	69.3	70.2	70.7	72.3	69.3	62.3	54.7	51.2	51.7	53.5	55.3	61.5
3	57.2	59.3	60.8	60.8	60.3	59.4	59.4	59.9	59.8	58.5	60.3	63.7	66.8	69.5	70.4	71.8	70.5	67.9	63.3	58.2	54.2	52.8	52.4	53.5	61.3
4	53.1	55.7	54.3	59.9	58.4	57.8	59.9	64.4	61.3	61.9	67.7	77.5	66.7	64.4	66.3	68.8	66.4	65.3	60.5	59.3	52.8	53.2	53.4	55.2	61.0
5	56.3	58.7	56.4	59.4	57.4	59.8	60.2	56.4	49.0	60.7	58.8	64.4	67.5	68.3	69.2	70.4	69.4	67.7	63.8	55.8	51.5	52.4	53.5	53.1	60.0
6	51.3	54.2	53.7	55.2	57.3	53.6	60.3	56.5	61.0	55.1	61.0	60.4	61.2	67.6	71.7	73.1	71.3	67.5	63.4	58.1	58.3	56.4	55.3	55.5	60.0
7	56.7	58.1	61.2	61.1	58.0	58.1	58.3	63.6	65.5	67.9	66.7	68.4	68.0	65.4	70.9	72.6	67.9	65.9	64.5	59.6	56.3	57.3	58.4	59.4	62.9
8 Q	60.6	61.8	62.3	62.1	62.0	62.8	61.6	62.3	61.9	61.6	63.3	64.4	65.3	67.3	67.0	66.6	66.8	66.2	62.4	59.1	56.4	56.1	56.0	57.4	62.2
9 D	58.2	57.6	57.3	62.3	65.0	66.4	66.0	60.8	63.7	82.1	65.8	65.3	65.4	72.6	72.5	72.3	69.3	66.1	64.6	54.8	53.6	52.3	53.0	54.4	63.4
10 D	64.5	58.0	58.4	67.6	62.1	60.9	52.4	32.8	61.4	64.3	67.0	67.4	81.0	76.2	73.0	70.4	66.3	62.3	58.6	57.5	58.3	57.4	58.4	58.3	62.3
11	59.1	59.4	59.8	61.2	67.5	67.9	60.4	59.5	62.6	61.4	61.4	64.3	65.5	69.3	70.4	70.3	68.7	65.5	62.3	58.5	57.6	57.8	58.5	59.6	62.8
12	61.3	63.3	64.0	63.4	61.4	60.5	61.5	70.4	62.3	63.9	62.3	61.9	69.2	74.1	73.8	70.2	68.9	68.5	67.7	63.3	58.5	58.7	57.4	58.6	64.4
13	60.3	61.5	62.3	62.7	62.4	60.9	64.4	56.2	54.7	60.8	60.3	64.2	66.9	67.9	69.3	69.5	68.5	66.3	62.6	59.3	57.6	57.4	57.7	58.4	62.2
14	58.5	59.7	61.1	60.9	66.5	63.4	61.8	59.6	59.5	60.5	64.5	65.0	69.6	77.3	76.3	72.0	68.4	67.6	62.5	55.4	58.4	57.5	55.3	55.2	63.2
15	55.7	56.4	60.4	64.3	69.2	61.1	59.9	57.5	57.7	59.5	63.6	71.2	74.1	72.9	74.2	68.9	64.8	61.9	60.5	56.3	54.9	55.6	56.8	59.4	62.4
16	59.7	62.7	64.6	62.1	61.4	60.5	60.7	60.6	64.1	63.0	63.5	65.4	67.5	70.9	72.1	71.2	68.0	63.1	59.1	57.4	56.9	56.3	57.1	58.7	62.8
17 Q	60.4	61.4	62.3	61.5	61.1	60.6	60.3	60.4	61.4	63.0	64.6	65.3	66.5	68.4	69.4	70.3	70.1	67.9	63.1	59.3	57.5	56.8	56.3	57.9	62.7
18 Q	59.5	60.3	62.2	60.9	60.3	59.5	59.4	59.3	60.7	62.0	62.9	64.5	66.9	67.8	69.3	69.9	69.3	67.6	64.2	59.5	56.3	55.4	55.5	57.1	62.1
19 Q	58.4	59.9	61.6	62.5	63.6	62.3	61.5	60.4	60.2	59.4	61.9	61.8	63.6	72.8	75.0	75.8	74.5	67.6	62.6	58.3	54.7	54.5	54.7	56.4	62.7
20 Q	58.5	61.5	62.4	61.6	61.3	60.3	60.2	60.3	66.6	64.7	62.3	64.3	68.4	71.4	73.2	73.3	72.2	68.2	60.6	54.3	49.8	49.4	51.2	54.9	62.1
21	57.0	58.4	59.7	59.1	59.0	57.9	57.7	58.3	59.5	60.5	60.5	67.3	75.2	74.9	72.7	72.1	69.4	71.3	71.4	57.3	50.1	51.1	49.7	49.4	61.6
22	52.2	48.5	55.2	59.1	62.2	75.4	64.4	59.2	59.0	59.4	61.5	65.5	69.4	72.4	74.6	74.6	72.3	69.5	65.6	61.4	54.3	54.3	54.4	55.6	62.5
23 D	58.4	57.5	56.4	60.3	63.7	58.4	59.4	61.5	75.0	59.1	63.4	65.5	69.0	71.5	71.9	73.0	72.2	71.4	61.7	59.5	53.2	54.3	52.8	54.0	62.6
24	57.4	56.8	57.7	58.9	59.8	61.7	64.9	63.2	59.9	58.8	58.2	61.4	65.4	68.5	70.2	71.2	72.3	69.5	63.4	58.1	54.5	52.5	53.3	55.0	61.4
25	55.3	57.6	57.1	57.8	58.6	60.4	65.3	60.4	59.4	56.6	58.5	61.2	61.4	65.9	68.6	71.7	70.8	70.3	67.1	59.4	56.5	55.9	56.1	56.4	61.2
26	57.9	59.3	60.5	61.3	61.4	61.4	61.3	62.6	60.5	60.4	61.8	64.3	65.8	68.6	72.4	72.8	72.4	66.7	68.4	62.3	55.3	51.4	49.7	53.2	62.2
27 D	55.7	59.9	56.9	62.5	74.6	67.4	58.4	56.8	53.6	70.8	65.8	77.5	83.8	82.0	69.4	75.0	75.5	72.5	64.7	58.6	57.0	55.4	52.4	54.5	65.0
28 D	56.4	58.3	57.4	58.6	63.3	57.0	78.3	60.5	56.2	54.1	66.3	68.5	69.6	76.2	74.4	72.3	71.5	69.3	62.3	56.4	52.4	53.7	53.6	57.3	62.7
29	56.0	58.2	60.5	62.2	57.3	58.4	62.2	58.5	60.2	67.5	57.7	53.4	60.6	72.3	70.8	73.0	71.4	69.0	65.3	58.2	54.7	52.6	52.8	54.9	61.2
30	57.4	58.9	59.0	60.5	62.2	56.8	60.7	60.7	51.4	62.0	61.0	61.5	60.2	72.5	75.6	76.1	74.5	68.0	62.5	58.4	56.2	55.0	55.4	56.4	61.8
31																									
Mean	57.8	58.9	59.7	61.3	62.0	61.2	61.6	59.1	59.6	61.8	62.0	64.7	67.8	71.0	71.6	71.7	70.2	67.5	63.5	58.2	55.1	54.5	54.5	56.0	62.1

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 64 Meanook

z = 58,000 γ +

June 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	770	761	770	742	745	738	718	598	522	651	567	624	709	730	744	742	737	731	730	736	740	745	753	751	711	
2	750	769	740	731	741	743	736	736	722	680	704	731	735	734	733	725	724	724	728	722	718	723	741	744	731	
3	740	740	734	733	736	735	733	727	709	698	707	724	730	729	719	715	710	711	711	709	718	730	736	750	724	
4	773	816	818	783	750	738	724	676	710	642	554	589	642	685	698	710	729	734	738	745	750	763	768	791	722	
5	782	758	756	770	770	757	747	727	596	667	691	707	732	722	728	727	727	723	727	733	746	754	759	803	734	
6	822	854	874	806	794	787	640	587	696	687	676	712	717	712	735	740	733	723	719	718	729	738	742	740	737	
7	740	735	734	729	730	731	740	708	645	602	613	612	694	706	701	694	701	717	723	728	731	742	736	729	705	
8 Q	730	732	733	734	736	737	708	727	731	729	729	731	731	731	731	724	720	717	718	719	719	721	725	740	727	
9 D	731	740	757	769	785	689	707	694	652	531	643	694	709	703	706	710	721	717	719	734	742	753	770	812	716	
10 D	840	787	789	821	758	684	653	588	655	468	563	644	617	690	736	749	752	743	735	734	743	739	736	739	707	
11	743	741	739	742	750	747	741	721	663	713	726	728	730	718	717	724	728	728	731	731	733	740	759	760	731	
12	761	761	749	745	735	736	735	660	650	709	722	681	675	703	708	728	730	724	727	728	729	735	737	741	721	
13	740	745	748	753	760	749	739	656	644	703	703	727	729	730	731	731	729	722	720	717	721	728	728	732	724	
14	730	734	739	733	734	706	739	734	729	704	717	700	693	686	694	719	721	716	715	721	730	737	749	750	722	
15	762	782	782	814	748	757	736	724	709	695	677	679	717	695	713	697	692	701	707	709	717	729	727	728	725	
16	748	765	756	742	733	727	727	720	711	713	715	723	728	719	717	716	717	708	704	703	709	714	722	733	724	
17 Q	732	728	724	721	720	719	717	717	717	717	719	720	717	713	713	709	709	708	706	706	707	711	716	727	716	
18 Q	735	741	749	736	727	718	717	717	717	718	718	718	719	719	718	711	709	709	711	715	716	716	717	715	720	
19 Q	718	722	726	726	729	728	228	722	719	715	718	717	684	684	707	708	707	706	702	697	704	714	718	718	713	
20 Q	720	723	723	723	721	719	717	711	702	690	700	708	716	717	717	714	711	710	715	714	709	716	720	723	714	
21	728	727	728	723	724	717	718	718	717	717	709	681	691	698	694	664	670	678	687	692	683	701	715	736	705	
22	768	798	806	772	771	684	749	730	723	719	717	721	730	728	726	717	711	708	706	708	709	709	717	742	732	
23 D	762	762	763	774	769	778	758	726	559	619	700	715	714	718	716	715	704	706	698	731	775	760	744	747	726	
24	752	739	728	731	724	728	722	715	715	661	631	696	723	726	727	717	714	716	717	716	718	716	731	755	717	
25	750	741	724	715	721	735	688	716	706	686	675	709	706	717	729	724	716	708	714	713	708	709	710	718	714	
26	718	717	714	714	714	710	711	704	705	706	706	704	698	687	687	687	682	674	680	686	692	703	703	716	701	
27 D	758	781	747	781	728	711	728	648	615	687	732	557	553	560	728	756	737	722	727	721	736	746	717	735	705	
28 D	746	746	774	742	736	728	624	686	639	491	548	652	695	688	710	709	711	706	713	707	714	737	760	765	697	
29	760	765	779	761	740	745	748	716	567	673	680	592	602	634	704	718	724	719	719	717	722	729	739	743	708	
30	746	736	742	755	781	705	675	702	551	609	665	674	660	704	718	708	705	715	711	715	720	724	729	732	703	
31																										
Mean	752	755	755	751	744	730	717	697	670	667	677	686	697	703	717	717	716	714	715	717	723	729	734	744	718	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 65 Meanook

H = 12,000 γ +

July 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	1071	1072	1085	1079	1070	1076	1077	1077	1040	1033	1032	986	1047	1072	1071	1079	1054	1036	1033	1047	1062	1076	1086	1095	1061	
2	1087	1101	1080	1082	1087	1076	1080	1079	1084	1070	1054	1085	1086	1092	1084	1077	1067	1034	1015	1024	1046	1068	1095	1097	1073	
3	1086	1093	1071	1071	1068	1075	1077	1086	1071	1082	1087	1078	1085	1084	1078	1071	1055	1059	1048	1048	1044	1047	1056	1075	1071	
4 D	1086	1101	1101	1109	1102	1114	1087	1086	1060	1039	1056	918	1009	1007	1075	1097	1101	1080	1067	1055	1059	1035	1110	1154	1071	
5 D	1083	1078	1086	1142	1103	1082	806	1079	998	1033	1071	1039	1063	1024	1078	1083	1082	1074	1071	1059	1045	1060	1063	1078	1057	
6	1110	1105	1114	1148	1136	1093	1067	1075	1062	1046	866	1015	1094	1100	1093	1097	1090	1062	1048	1049	1063	1072	1060	1078	1073	
7	1083	1083	1082	1080	1079	1078	1078	1078	1079	1064	1071	1094	1096	1097	1102	1094	1075	1056	1039	1053	1058	1068	1070	1094	1077	
8	1093	1098	1110	1102	1083	1086	1060	977	1057	1097	1083	1063	1071	1083	1097	1097	1078	1067	1058	1053	1057	1056	1078	1089	1075	
9 Q	1091	1105	1094	1082	1082	1078	1070	1067	1068	1075	1057	1063	1082	1087	1093	1087	1078	1070	1056	1048	1053	1050	1057	1078	1074	
10	1084	1078	1083	1078	1078	1073	1078	1086	1086	1093	1091	1087	1085	1071	1080	1090	1076	1073	1071	1071	1064	1065	1071	1078	1079	
11	1085	1092	1101	1090	1090	1082	1071	1068	1068	1071	1086	1081	1056	1063	1098	1102	1078	1078	1062	1058	1060	1069	1069	1071	1077	
12	1080	1085	1082	1085	1078	1092	1063	1071	1059	1091	1094	1093	1091	1086	1062	1071	1071	1053	1046	1046	984	1067	1077	1076	1071	
13	1099	1078	1088	1087	1080	1078	1072	1078	1077	1076	1072	1060	1044	1064	1097	1088	1052	1031	1047	1046	1062	1069	1092	1091	1072	
14	1104	1145	1125	1089	1083	1086	1034	1050	1082	1075	1065	1068	1056	1055	1029	1039	1031	1055	1063	1061	1071	1060	1078	1075	1070	
15	1091	1115	1087	1078	1078	1078	1075	1078	1078	1078	1074	1078	1080	1078	1074	1070	1063	1052	1047	1049	1049	1063	1088	1087	1075	
16 Q	1073	1084	1088	1078	1075	1078	1078	1075	1071	1078	1080	1081	1085	1072	1082	1083	1073	1068	1067	1064	1067	1071	1071	1072	1076	
17 Q	1078	1079	1083	1085	1084	1084	1082	1083	1085	1086	1087	1089	1090	1087	1086	1078	1072	1079	1078	1063	1063	1071	1083	1077	1081	
18 Q	1087	1094	1078	1075	1079	1078	1083	1080	1085	1086	1086	1087	1087	1080	1081	1082	1086	1081	1071	1054	1055	1067	1071	1078	1079	
19	1085	1086	1095	1085	1092	1096	1093	1093	1085	1093	1063	1060	1089	1084	1097	1096	1078	1054	1053	1039	1047	1060	1079	1111	1080	
20	1113	1110	1136	1170	1172	1156	1118	867	883	1014	1072	1056	1095	1100	1091	1080	1074	1054	1051	1057	1063	1063	1072	1102	1074	
21	1100	1093	1093	1119	1094	1077	1071	1072	1075	1040	1061	1063	1080	1088	1069	1072	1064	1048	1059	1064	1057	1063	1082	1103	1075	
22	1075	1067	1076	1076	1075	1076	1092	1071	1069	1072	1042	1047	1087	1094	1091	1074	1066	1051	1055	1055	1049	1067	1080	1090	1071	
23	1082	1086	1079	1073	1081	1066	1045	1035	1045	1007	1049	1085	1077	1075	1085	1082	1075	1059	1042	1037	1040	1053	1063	1076	1062	
24	1079	1071	1056	1064	1067	1068	1075	1075	1078	1080	1086	1087	1079	1067	1033	1032	1028	1016	984	1051	1063	1087	1101	1177	1067	
25	1268	1267	1213	1125	1077	1050	940	928	969	1029	1004	969	1048	1095	1093	1082	1077	1068	1074	1080	1084	1081	1082	1086	1075	
26 D	1086	1093	1109	1088	1118	1113	924	999	860	969	655	689	1071	1071	1045	1053	1038	1039	1040	1093	1059	1067	1099	1098	1019	
27 D	1190	1140	1157	1129	1064	1079	1023	971	914	1056	1033	1030	1048	906	883	933	1006	1051	1062	1054	1057	1057	1077	1118	1044	
28 D	1187	1130	1111	1127	1068	1049	944	844	1098	1073	1047	992	951	1010	1039	1016	1041	1047	1050	1049	1057	1063	1088	1086	1049	
29	1090	1140	1102	1062	1060	1071	1069	1077	1078	1064	1064	1060	1070	1075	1067	1056	1041	1035	1038	1045	1049	1053	1071	1079	1067	
30 Q	1083	1092	1085	1082	1079	1076	1047	1078	1067	1065	1062	1063	1072	1081	1074	1060	1050	1042	1039	1045	1049	1060	1075	1079	1067	
31	1072	1076	1079	1064	1071	1072	1073	1072	1073	1080	1079	1083	1085	1094	1099	1092	1078	1070	1029	1047	1080	1060	1078	1093	1075	
Mean	1099	1101	1098	1094	1086	1082	1050	1047	1049	1062	1046	1043	1070	1069	1072	1071	1065	1056	1050	1054	1055	1063	1078	1092	1069	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 66 Meanook

D = 23° E + ...'

July 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	58.9	61.3	62.0	62.5	66.4	62.5	60.4	59.5	57.5	63.2	59.6	58.6	63.5	70.3	73.4	75.2	72.9	65.6	56.8	54.6	52.5	52.6	53.4	53.1	61.5
2	56.6	60.1	60.8	60.4	59.5	61.1	59.5	68.3	60.5	58.2	60.0	62.6	66.6	70.3	70.5	70.2	71.6	71.8	63.5	51.7	53.3	54.6	55.3	53.5	61.7
3	52.5	54.5	57.3	59.2	60.6	60.5	62.2	66.7	60.7	62.8	61.4	61.5	65.8	69.4	72.8	72.6	72.9	68.0	62.5	57.4	53.5	53.8	54.9	57.1	61.7
4 D	58.6	59.5	60.4	62.6	61.0	70.6	64.4	60.5	60.4	63.0	63.4	55.5	63.5	71.6	72.1	72.2	71.5	67.7	61.8	59.5	61.1	57.5	53.8	53.5	62.7
5 D	51.8	56.4	60.3	69.6	77.8	65.2	39.1	65.4	67.5	63.3	60.8	62.7	63.5	63.6	70.8	73.4	74.0	74.4	65.4	64.0	58.4	58.3	55.3	55.6	63.2
6	56.0	57.1	69.5	65.6	62.7	69.4	65.4	69.4	65.1	60.8	50.4	62.1	68.6	68.4	71.4	70.1	69.9	69.1	64.7	61.2	56.8	54.4	53.2	55.9	63.2
7	58.4	59.3	60.4	61.3	61.2	61.4	62.4	60.9	61.1	61.8	60.8	62.4	67.1	70.7	73.0	72.3	70.2	69.2	66.4	57.4	56.7	56.3	53.7	55.2	62.5
8	55.4	56.4	58.5	65.4	60.6	61.2	60.4	44.9	63.2	62.4	60.4	59.9	63.4	68.8	72.1	73.3	71.4	72.1	68.6	63.3	59.6	54.5	55.2	55.4	61.9
9 Q	56.4	57.4	59.0	62.5	61.0	59.5	64.4	63.6	59.6	62.3	57.8	60.2	64.9	68.3	70.6	70.8	69.5	66.6	63.6	61.3	58.4	57.4	56.4	56.3	62.0
10	57.3	57.8	58.4	59.4	60.6	62.7	60.9	60.4	62.1	62.8	62.3	64.1	64.9	63.6	67.5	69.5	70.4	69.3	62.5	57.5	54.7	55.4	56.5	56.8	61.6
11	58.3	60.5	60.4	62.5	61.0	65.5	66.6	68.5	64.4	62.8	61.5	61.3	66.1	70.9	72.9	70.4	68.2	67.9	66.4	62.5	58.5	57.9	56.9	56.8	63.7
12	57.6	59.3	60.8	60.9	60.3	74.4	69.5	62.1	66.8	72.3	60.4	62.0	64.5	65.5	67.4	69.4	67.0	67.4	64.5	59.8	56.3	54.1	54.6	55.4	63.0
13	57.5	60.1	65.9	63.4	60.0	58.0	60.4	60.3	59.2	59.6	61.0	59.9	62.4	68.5	69.9	72.4	75.3	66.3	62.9	53.5	48.3	52.4	55.5	59.3	61.3
14	58.4	65.3	62.8	61.6	60.4	66.7	67.2	64.3	62.9	60.7	60.5	65.0	66.5	72.4	69.0	66.5	62.3	59.9	62.3	60.9	57.3	57.3	57.3	57.4	62.7
15	60.0	62.8	60.1	59.5	60.2	60.4	61.5	61.2	60.1	60.0	61.4	64.3	66.6	69.2	70.2	70.8	69.5	66.5	64.5	62.1	58.4	56.8	56.4	57.4	62.5
16 Q	58.5	60.4	61.9	62.6	62.9	60.2	60.1	60.2	60.4	61.4	62.6	63.5	65.4	68.1	69.9	67.5	66.7	66.2	63.6	59.7	57.0	56.4	57.3	58.3	62.1
17 Q	58.9	58.6	59.4	60.0	59.9	60.0	61.4	61.7	62.3	62.2	62.5	63.4	65.5	66.5	67.4	67.7	66.8	65.9	63.8	60.4	58.3	57.0	58.1	58.8	61.9
18 Q	59.9	60.4	60.0	60.2	59.9	59.7	59.7	61.3	61.6	61.6	62.7	63.5	65.7	70.9	71.5	70.5	68.8	65.6	62.9	61.3	58.5	58.0	58.3	59.2	62.6
19	58.5	57.9	58.0	58.9	57.8	57.6	58.4	59.4	58.2	68.5	66.7	66.4	67.6	77.5	75.4	71.5	77.3	71.0	65.5	60.9	52.1	48.4	49.3	51.5	62.3
20	52.4	53.5	50.5	51.8	62.1	60.4	58.1	36.4	34.6	64.3	65.6	64.8	66.6	69.7	70.4	71.1	71.6	69.1	60.6	58.2	55.3	55.0	53.4	55.3	58.8
21	55.4	56.2	57.6	58.6	65.6	63.4	60.6	61.2	61.3	58.3	64.9	60.5	65.6	72.1	72.0	75.1	77.8	71.4	63.1	60.5	57.3	56.1	55.6	56.4	62.8
22	55.4	56.5	55.6	57.5	59.2	60.5	67.4	62.3	59.4	59.8	56.2	56.6	65.1	68.7	71.4	72.4	71.6	68.8	64.3	62.4	61.1	58.2	57.4	57.5	61.9
23	57.6	58.4	59.4	60.4	60.7	69.6	71.4	68.4	62.6	65.6	61.4	63.4	65.4	68.3	66.5	65.3	65.2	66.4	65.7	62.5	55.1	53.2	55.1	56.7	62.7
24	58.9	57.4	59.1	58.6	59.2	60.1	62.4	61.8	61.4	62.3	63.2	64.0	66.1	67.4	67.5	69.5	67.4	73.6	49.5	60.2	59.5	60.6	57.1	57.7	61.6
25	56.5	65.0	56.8	60.4	71.5	66.9	84.0	73.8	71.2	68.6	68.4	63.2	62.6	66.6	69.1	69.4	68.2	66.4	63.2	59.6	58.7	57.3	56.5	56.1	65.0
26 D	55.2	55.0	53.4	54.2	53.5	59.4	66.6	39.5	64.3	47.5	56.6	51.9	74.5	80.9	81.6	80.9	74.2	68.3	62.3	59.4	56.3	56.2	61.1	59.1	61.3
27 D	68.1	72.5	62.1	69.1	70.4	64.4	57.7	47.9	45.4	57.8	57.2	57.4	64.1	62.5	62.2	73.3	67.3	63.2	62.2	58.7	58.1	57.8	58.5	58.3	61.5
28 D	67.9	60.1	67.4	59.4	63.4	65.3	68.1	55.5	63.3	59.8	59.0	55.8	57.6	71.2	76.3	74.3	70.6	64.0	56.8	57.4	59.0	58.4	59.6	57.2	62.8
29	56.3	64.4	59.1	58.3	58.9	60.2	63.4	60.3	61.1	59.1	59.4	62.7	65.3	69.9	72.3	72.6	70.8	67.3	62.5	59.3	57.1	56.4	57.0	57.5	62.1
30 Q	59.4	58.4	62.1	63.6	59.2	62.2	62.3	61.2	60.3	60.9	62.3	64.7	68.0	69.3	69.8	70.5	69.3	66.3	61.7	57.1	54.6	54.3	56.3	59.3	62.2
31	61.3	61.5	61.3	61.3	61.7	59.9	60.0	61.1	61.4	61.8	63.4	65.7	68.6	71.0	72.9	73.1	71.1	65.3	52.3	54.9	44.4	51.0	56.2	61.8	
Mean	57.9	59.5	60.0	61.0	61.9	62.9	62.8	60.3	60.6	61.8	61.0	61.5	65.4	69.3	70.9	71.4	70.4	67.9	62.9	59.2	56.7	55.5	55.8	56.6	62.2

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 67 Meanook

$z = 58,000 \gamma +$

July 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	735	733	736	742	744	729	720	702	635	617	628	614	630	688	703	720	711	714	714	714	716	716	730	730	701
2	737	741	729	729	728	722	707	704	720	696	693	704	707	702	702	684	681	678	710	708	722	740	771	784	717
3	773	771	754	749	734	728	719	674	650	689	710	715	719	721	720	722	722	715	706	704	706	716	728	736	720
4 D	747	761	769	782	776	734	706	718	687	618	658	599	616	596	647	688	707	716	716	717	732	786	814	798	712
5 D	763	749	756	800	780	749	452	716	643	562	688	682	706	702	739	730	717	721	717	717	727	744	743	741	710
6	753	761	792	794	774	727	716	722	680	686	479	605	711	733	730	728	730	728	728	733	739	740	739	741	719
7	747	745	742	742	739	739	735	726	719	658	666	717	728	724	726	723	717	711	714	718	715	724	739	757	724
8	748	742	761	788	760	741	628	493	631	715	720	693	683	707	720	726	717	718	717	722	729	739	754	767	713
9 Q	755	749	750	757	752	740	729	697	690	717	704	701	721	727	728	723	722	720	716	708	716	720	726	729	725
10	732	731	728	728	728	728	726	713	691	710	720	722	719	697	677	697	700	709	709	711	716	718	728	733	716
11	741	750	753	750	768	749	717	707	667	651	693	665	681	663	697	727	721	717	718	726	720	735	736	735	716
12	731	729	729	735	735	706	668	696	660	674	705	722	724	713	690	689	698	706	705	706	711	715	720	723	708
13	734	739	757	749	746	727	687	718	717	715	705	665	619	641	704	719	708	695	698	715	724	741	756	780	715
14	779	811	774	763	753	749	653	674	716	719	714	696	684	674	665	680	674	693	714	717	721	729	744	744	718
15	758	792	767	740	731	728	730	729	726	726	726	728	728	724	719	717	717	715	713	717	719	728	739	746	732
16 Q	749	761	756	749	743	736	732	728	721	721	727	720	717	700	703	716	719	717	719	717	717	717	717	719	726
17 Q	727	728	728	728	728	728	723	723	723	723	724	724	724	719	717	709	706	707	708	708	709	714	721	724	720
18 Q	730	739	731	728	724	722	724	724	720	720	720	721	715	703	709	706	709	707	705	706	713	718	719	720	718
19	727	724	722	718	719	723	731	730	715	688	681	663	695	700	716	717	711	713	714	713	713	726	728	734	713
20	741	770	798	821	783	766	755	410	541	619	676	698	719	735	726	722	721	717	717	715	719	723	729	736	711
21	752	769	781	796	749	741	741	726	720	677	683	674	720	729	715	715	716	711	709	719	717	721	749	762	729
22	759	747	734	732	730	732	695	704	719	707	677	690	728	735	735	724	726	724	722	728	727	739	758	753	726
23	740	733	730	728	728	718	691	698	691	570	637	695	717	715	720	723	727	720	719	735	740	743	746	747	713
24	753	760	747	729	719	721	716	718	717	716	717	710	704	670	662	665	690	662	722	748	762	784	831	724	724
25	856	802	824	800	742	739	614	611	626	653	647	623	650	718	729	729	731	728	727	724	723	724	718	715	715
26 D	711	711	713	710	727	586	526	676	766	837	749	684	742	714	714	716	711	720	729	728	717	742	760	746	714
27 D	804	769	785	754	708	726	652	587	556	671	682	691	705	631	565	604	676	706	724	720	730	739	754	769	696
28 D	801	768	746	787	640	638	671	566	735	717	707	664	617	663	687	681	716	715	717	717	727	748	772	780	707
29	760	780	750	746	726	728	731	653	707	713	719	728	730	732	726	722	724	727	728	728	736	740	742	741	730
30 Q	737	737	757	759	758	737	666	717	724	726	723	728	730	728	721	718	718	717	719	722	726	724	728	732	727
31	728	729	730	728	728	722	720	720	719	720	711	718	720	720	721	717	714	711	713	714	732	709	730	726	721
Mean	752	753	753	754	739	724	690	680	688	688	690	689	701	702	704	708	711	712	714	718	723	732	743	748	717

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 68 Meanook

H = 12,000 γ +

August 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	1164	1154	1178	1147	1130	938	1032	784	521	20	590	696	956	1015	993	1004	1039	1057	1079	1118	1136	1142	1132	1184	967
2	1132	1074	1070	1064	1072	1076	1063	1068	1068	1067	1076	1038	1039	1075	1068	1057	1038	1029	1035	1033	1051	1063	1069	1079	1063
3	1080	1068	1073	1071	1073	1069	1067	1057	1057	1063	1066	1025	962	1034	1070	1062	1048	1031	1027	1027	1039	1047	1089	1077	1053
4	1081	1077	1070	1069	1063	1076	1061	1040	1073	1055	1057	1055	1071	1086	1074	1068	1053	1035	1040	1047	1055	1071	1080	1081	1064
5	1072	1079	1070	1071	1077	1078	1045	991	1081	1071	920	944	1049	1082	1090	1073	1063	1049	1042	1054	1062	1075	1085	1089	1055
6	1107	1086	1084	1070	1093	1155	1129	996	879	962	925	922	802	1033	1089	1059	1071	1075	1085	1077	1070	1075	1067	1116	1043
7	1151	1125	1080	1093	1084	1087	1072	1079	1060	1047	1036	977	969	1024	1069	1046	1023	1014	1055	1088	1071	1086	1080	1097	1063
8 D	1117	1201	1216	1100	1087	1092	1071	911	442	929	1069	1034	927	892	929	1049	1008	1042	1057	1060	1071	1110	1091	1085	1025
9	1108	1190	1128	1069	1070	1087	1035	955	850	963	880	1063	1053	1020	1035	1085	1065	1078	1063	1071	1069	1068	1082	1093	1051
10	1082	1090	1078	1093	1087	1077	1065	1036	1005	1031	979	995	1010	1064	1084	1065	1039	1031	1053	1054	1054	1063	1072	1071	1053
11 Q	1069	1072	1063	1070	1071	1072	1075	1074	1075	1075	1075	1075	1075	1075	1078	1073	1064	1053	1049	1053	1063	1070	1078	1079	1070
12 Q	1071	1070	1071	1077	1075	1072	1078	1076	1076	1078	1080	1071	1067	1070	1070	1069	1060	1051	1048	1053	1062	1070	1075	1080	1070
13 Q	1084	1081	1078	1080	1079	1078	1079	1078	1079	1084	1078	1060	1084	1087	1086	1071	1054	1038	1031	1045	1062	1068	1107	1078	1073
14	1082	1086	1104	1117	1075	1078	1082	1085	1093	1095	1089	1081	1071	1090	1089	1079	1062	1045	1048	1046	1056	1118	1086	1085	1081
15	1095	1101	1095	1085	1133	935	878	724	637	1035	1094	1107	1086	1090	1078	1067	1036	1031	1043	1052	1057	1059	1087	1152	1031
16	1216	1329	1305	1102	1078	1105	929	1019	1103	1087	1077	1073	1083	1085	1075	1077	1062	1052	1042	1047	1058	1104	1141	1174	1101
17 D	1133	1108	1100	1067	1062	1071	1102	1028	1031	1045	1057	1013	998	1081	1056	1025	1009	1032	1030	1039	1049	1093	1115	1049	1058
18	1070	1075	1065	1092	1094	987	958	946	922	920	1078	1089	1077	1048	1024	1047	1024	1020	1024	1048	1065	1067	1075	1114	1039
19	1099	1083	1091	1089	1085	921	980	853	924	990	955	1091	1094	1063	1034	1057	1045	1047	1038	1044	1054	1065	1077	1094	1036
20 Q	1077	1079	1072	1074	1077	1076	1077	1076	1076	1075	1071	1074	1070	1064	1062	1067	1054	1044	1050	1048	1047	1053	1073	1074	1067
21	1067	1067	1070	1069	1070	1074	1073	1074	1077	1083	1084	1081	1083	1076	1070	1074	1062	1061	1061	1066	1078	1074	1117	1085	1075
22 D	1204	1208	1229	1215	1093	1108	1055	947	1096	1114	1077	1066	1072	1043	1062	1062	1066	1054	1053	1056	1046	1060	1084	1121	1091
23	1129	1096	1128	1100	1086	1093	1028	1045	959	1034	1014	1000	1048	1039	1077	1042	1044	1046	1039	1054	1064	1074	1084	1085	1059
24	1089	1086	1113	1085	1078	1085	1062	1002	980	1038	954	1008	955	876	1023	1064	1048	1030	1049	1061	1068	1071	1064	1090	1041
25	1134	1106	1078	1088	1076	1091	1080	1043	1000	1059	1083	1076	1067	1063	1061	1055	1036	1029	1051	1055	1069	1066	1092	1105	1069
26	1087	1068	1073	1067	1070	1076	1076	1083	1065	1077	1062	1033	1037	1061	1083	1075	1054	1051	1052	1064	1071	1083	1092	1095	1069
27	1099	1073	1092	1080	1078	1078	1090	1085	1087	1092	1090	1085	1085	1085	1076	1066	1050	1038	1042	1047	1053	1062	1076	1079	1075
28 Q	1076	1085	1077	1069	1076	1081	1082	1082	1083	1083	1084	1085	1089	1079	1069	1069	1058	1045	1037	1038	1042	1055	1074	1090	1071
29	1085	1084	1083	1082	1083	1090	1075	1099	1104	1083	1037	1093	1092	1090	1085	1076	1058	1055	1038	1039	1055	1068	1090	1069	1075
30	1079	1077	1069	1062	1083	1088	1022	935	1078	1071	1093	1053	1013	1009	1006	1043	1029	1035	1047	1076	1090	1091	1094	1099	1056
31 D	1123	1107	1163	1203	1068	1099	949	647	510	799	920	1047	795	985	1074	1075	1061	1048	1053	1063	1079	1092	1096	1083	1006
Mean	1105	1106	1107	1091	1082	1067	1047	997	971	1007	1024	1036	1028	1048	1059	1061	1048	1043	1047	1055	1063	1076	1088	1095	1056

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 69 Meanook

D = 23° E + ...'

August 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	58.2	65.6	64.4	63.1	74.5	72.4	64.1	57.4	23.8	42.9	98.1	72.4	82.0	68.3	71.5	71.8	67.3	65.4	58.6	54.0	59.4	58.2	57.3	61.3	63.8
2	62.1	60.5	59.5	58.8	75.3	60.3	59.3	59.3	59.5	59.0	60.3	56.4	58.5	69.4	73.9	71.7	71.1	66.4	60.4	57.8	54.6	54.2	54.5	58.3	61.7
3	61.3	62.5	62.6	64.3	71.4	64.6	66.9	57.3	58.2	60.8	61.3	60.7	56.5	63.0	70.8	70.3	69.2	68.3	66.1	60.2	54.2	52.3	54.3	55.3	62.2
4	58.2	60.2	60.6	62.8	63.4	60.5	61.6	56.3	63.4	57.7	58.3	58.3	64.2	69.1	70.1	70.0	68.2	62.3	57.0	55.3	52.8	53.3	55.2	58.4	60.7
5	61.4	62.3	63.7	62.9	62.4	61.4	54.7	48.5	65.3	60.7	53.1	56.5	74.3	78.0	76.8	73.4	70.8	68.7	63.3	58.4	54.6	54.5	57.3	59.5	62.6
6	61.5	60.5	59.6	57.8	57.9	59.2	69.7	55.4	55.6	66.5	71.4	57.5	57.5	66.5	72.4	67.7	65.6	63.5	61.5	61.6	57.8	56.4	55.4	56.6	61.5
7	60.3	63.2	60.1	66.4	69.5	62.3	69.2	65.3	59.6	64.1	58.0	52.4	58.3	65.8	66.0	69.3	61.4	61.5	60.3	58.4	54.4	57.8	57.4	58.3	61.6
8 D	57.4	58.9	73.6	59.2	62.1	83.0	68.5	59.8	20.9	72.1	64.4	65.0	60.2	67.8	73.1	75.2	63.2	59.3	53.4	53.7	52.8	58.2	54.1	54.2	61.2
9	57.1	61.3	74.5	58.2	57.3	67.4	63.0	67.2	49.3	60.8	51.4	58.1	63.1	61.7	63.1	70.2	68.1	64.1	60.2	57.3	57.5	57.1	56.5	57.7	60.9
10	62.0	61.2	61.1	74.9	66.2	63.7	64.5	67.0	67.5	64.3	53.3	63.2	63.3	64.1	70.3	70.9	67.6	59.5	56.2	56.3	56.8	57.7	59.0	60.2	63.0
11 Q	62.1	62.2	63.5	64.6	61.9	60.4	60.8	60.8	61.2	62.0	62.7	63.7	65.1	66.5	68.2	67.2	64.7	60.5	58.1	56.6	56.7	57.2	58.7	59.7	61.9
12 Q	60.2	60.2	60.1	60.2	61.1	63.2	63.1	61.2	61.1	62.3	62.3	61.9	64.5	68.1	70.5	70.2	67.1	60.5	57.3	56.7	56.3	56.0	57.2	59.8	61.7
13 Q	60.2	59.3	58.9	58.2	59.0	59.1	59.1	59.3	60.9	62.1	61.3	62.2	68.7	70.7	70.6	68.7	66.2	62.6	59.0	54.1	52.4	52.9	52.8	55.1	60.6
14	59.3	59.6	57.5	60.1	67.0	58.1	58.2	58.3	59.3	60.2	64.9	65.2	68.3	73.2	74.5	74.2	74.2	70.2	65.6	58.6	54.3	54.0	53.9	55.8	62.7
15	57.8	56.2	56.7	58.2	60.8	80.4	60.0	69.3	31.4	66.1	64.2	67.1	70.3	72.3	73.4	73.0	71.2	64.1	60.3	55.8	55.1	53.1	52.3	54.2	61.8
16	59.4	53.2	61.1	59.0	59.1	58.4	55.5	70.5	60.1	59.1	61.6	64.6	67.1	70.2	73.8	74.1	71.5	67.6	64.3	56.5	51.1	52.2	51.0	52.4	61.4
17 D	53.0	58.2	58.6	60.9	56.2	57.5	61.3	59.3	63.9	61.2	59.1	57.2	59.1	69.1	73.4	70.2	65.2	63.7	55.9	51.9	49.3	51.5	55.7	57.2	59.5
18	59.1	58.9	61.2	60.5	66.4	46.2	57.8	69.2	65.6	56.2	60.4	64.0	67.3	70.9	71.7	75.3	73.1	64.2	59.2	56.4	55.6	56.4	59.3	60.0	62.3
19	67.0	65.0	60.0	71.2	69.1	60.7	55.9	52.7	55.8	69.3	51.9	63.7	66.8	71.5	71.2	70.8	68.4	68.0	62.8	58.3	57.2	56.4	56.5	59.2	62.9
20 Q	59.7	59.6	61.3	60.4	60.3	60.1	60.2	61.6	59.4	60.9	60.2	61.1	63.2	65.4	68.2	70.3	70.2	66.3	61.2	58.3	57.3	57.1	57.2	58.2	61.6
21	57.8	59.3	58.8	59.3	59.8	59.7	59.3	60.2	61.3	62.2	62.3	63.2	65.2	67.2	68.8	69.5	69.5	65.3	61.3	57.2	56.1	54.2	52.6	51.0	60.9
22 D	51.5	54.6	50.3	65.9	67.3	56.6	61.6	94.8	65.9	58.2	63.5	64.8	70.2	69.4	70.8	72.4	71.1	66.9	61.8	62.8	56.4	54.3	53.1	55.3	63.3
23	57.5	53.0	58.1	63.6	54.1	59.8	54.7	61.1	65.1	61.2	53.3	52.2	68.2	77.1	72.9	69.3	68.1	63.1	60.3	58.2	55.9	57.8	58.0	59.2	60.9
24	60.2	57.7	66.0	68.3	62.5	60.1	63.1	49.1	66.8	64.0	55.9	56.1	68.6	66.8	67.2	69.3	71.1	66.1	58.1	58.8	58.5	58.4	58.1	56.3	62.0
25	63.2	65.2	60.9	72.1	71.2	62.3	61.2	56.1	52.0	52.7	60.0	65.7	65.6	67.0	68.2	68.4	69.1	66.1	61.1	56.2	55.9	55.9	56.2	58.5	62.1
26	59.2	59.6	60.2	62.0	60.1	70.5	68.0	61.5	54.2	57.5	62.0	56.2	57.4	67.2	69.0	70.2	70.1	65.7	60.7	55.3	53.9	53.5	54.7	55.9	61.0
27	58.3	60.5	59.0	58.3	60.7	69.9	56.9	57.1	59.5	60.7	61.2	62.4	64.1	66.5	68.7	70.4	70.2	65.9	61.9	59.3	57.2	56.1	57.0	58.6	61.7
28 Q	60.1	60.0	60.2	62.2	61.5	59.2	59.6	60.5	62.2	61.9	62.4	64.1	64.4	68.5	67.6	69.1	67.5	64.6	61.0	57.6	55.1	54.4	56.1	58.2	61.6
29	60.2	60.8	60.2	59.7	59.9	74.3	73.8	68.2	59.1	60.6	65.9	69.4	70.8	73.1	73.3	70.1	68.1	65.6	59.2	57.1	54.3	51.0	49.3	54.6	63.3
30	58.2	61.1	61.7	62.1	60.5	67.1	59.0	58.3	59.0	58.8	60.6	62.7	64.1	69.6	70.7	69.0	65.0	60.2	52.1	53.3	52.0	55.2	58.4	60.2	60.8
31 D	57.5	64.4	66.1	84.1	70.8	66.1	44.1	74.3	66.9	68.1	66.4	68.2	64.4	77.4	76.1	73.0	67.5	62.2	57.9	55.9	56.1	57.1	58.1	60.0	65.1
Mean	59.4	60.2	61.3	63.2	63.5	63.4	61.1	61.8	57.2	61.1	61.7	61.8	65.1	69.1	70.9	70.8	68.4	64.5	59.9	57.0	55.2	55.3	55.7	57.4	61.9

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 70 Meanook

z = 58,000 γ +

August 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	748	818	813	778	658	620	684	678	568	814	532	555	639	619	640	663	670	693	715	728	742	748	767	802	695
2	749	725	715	724	726	705	714	705	701	698	689	685	657	700	703	703	705	708	704	715	716	723	722	725	709
3	729	725	730	734	695	684	703	647	679	682	692	671	630	673	702	714	716	722	725	728	735	741	757	745	707
4	736	728	733	736	730	729	698	634	671	682	694	698	711	715	708	702	694	697	705	711	717	725	730	730	709
5	730	734	741	737	741	736	639	590	694	692	518	527	627	687	717	720	723	724	728	735	734	735	736	734	695
6	745	748	755	747	748	757	689	669	509	620	593	561	433	612	689	683	701	718	718	722	725	742	749	768	683
7	834	770	738	769	728	756	730	729	711	676	623	606	590	664	724	715	671	694	729	751	735	750	755	756	717
8 D	760	855	831	799	783	702	626	656	453	569	668	670	638	562	623	696	674	688	711	725	735	756	764	768	696
9	761	854	845	768	743	736	553	604	499	573	556	687	692	683	686	723	733	742	731	731	736	743	747	756	703
10	765	751	747	744	714	747	728	605	605	661	596	586	660	703	721	718	722	725	715	714	723	725	725	733	701
11 Q	735	736	737	737	734	727	726	726	725	725	725	726	726	723	725	723	723	720	720	722	725	725	727	726	727
12 Q	724	722	724	725	725	717	714	717	724	724	722	713	698	696	691	700	704	704	704	714	721	725	727	727	715
13 Q	726	724	723	717	717	718	723	725	720	717	703	669	701	710	715	714	712	705	703	703	708	714	726	726	713
14	730	723	731	769	744	728	725	727	728	725	724	718	691	700	711	715	712	708	703	704	712	722	736	748	722
15	750	752	767	748	770	465	527	599	477	649	722	748	736	735	725	715	709	713	714	713	724	735	750	791	697
16	856	867	760	790	749	738	574	551	731	745	737	739	739	736	723	725	724	717	715	722	718	736	789	803	737
17 D	801	786	789	762	741	723	712	606	643	681	707	688	678	736	725	712	701	708	712	715	727	740	800	741	722
18	743	779	757	769	766	508	459	549	629	683	710	736	740	716	679	696	699	711	716	718	727	736	744	765	697
19	781	752	747	749	737	570	565	527	570	560	554	690	738	721	690	714	715	717	717	726	735	737	748	762	688
20 Q	744	736	736	731	728	725	725	724	711	713	718	717	722	725	725	730	727	724	716	722	725	728	737	739	726
21	738	734	726	725	725	725	726	721	721	714	726	724	725	721	720	720	714	712	709	709	714	715	726	736	722
22 D	812	817	812	799	764	758	683	363	582	739	726	726	726	723	724	716	723	721	716	727	741	767	756	768	724
23	786	776	802	779	768	728	627	659	597	669	632	622	692	685	737	726	725	727	727	730	733	735	737	742	714
24	747	756	784	755	775	764	684	488	593	640	650	651	609	647	683	682	692	704	708	721	729	730	756	767	697
25	809	769	754	734	707	741	718	639	592	659	712	722	728	726	724	725	717	726	736	726	735	742	764	770	724
26	757	739	731	731	727	717	670	694	658	686	692	672	665	697	726	730	730	726	726	725	728	731	731	728	713
27	731	734	731	725	725	698	691	698	718	725	728	725	725	725	722	722	725	725	723	725	730	733	734	734	723
28 Q	730	730	733	733	728	728	728	722	717	729	729	727	725	723	717	725	725	725	726	728	726	726	727	729	727
29	727	729	730	733	745	726	687	735	725	705	616	741	747	727	716	724	724	725	716	726	743	757	780	773	727
30	757	767	760	747	752	679	655	575	692	712	743	713	681	660	683	715	713	728	734	748	744	737	743	736	716
31 D	768	812	813	758	722	670	586	683	606	531	573	674	621	596	704	727	733	736	736	741	749	754	752	747	700
Mean	758	763	758	750	736	701	667	643	643	681	668	680	680	692	706	713	711	716	718	723	729	736	747	751	711

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 71 Meanook

H = 12,000 γ +

September 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	1084	1071	1076	1071	1080	1084	967	735	660	686	1029	1120	1085	1091	1040	981	1005	975	1012	1076	1085	1061	1075	1090	1010
2 D	1076	1077	1092	1160	1115	1108	852	801	570	970	995	803	772	730	928	966	1051	1042	1035	1045	1041	1108	1074	1087	980
3 D	1086	1091	1132	1166	945	1035	1083	952	912	890	496	733	1114	1067	1026	1094	1066	1048	1021	992	1093	1092	1144	1290	1024
4 D	1083	1075	1086	1122	1099	966	791	928	831	778	290	741	1044	1091	1068	1045	1039	1070	1048	1060	1085	1105	1090	1069	983
5	1082	1068	1078	1075	1066	1077	1057	1054	778	882	938	1060	1052	1045	988	943	954	992	1043	1058	1061	1060	1062	1096	1024
6	1080	1099	1090	1122	1028	940	729	985	1079	1063	849	713	970	1024	1034	1066	1052	1038	1037	1060	1070	1105	1080	1073	1016
7	1072	1082	1076	1060	1068	1076	1064	1006	933	735	825	1006	1078	1045	1069	1071	1060	1045	1046	1051	1060	1075	1083	1081	1032
8	1054	1087	1130	1148	1076	1065	1067	1001	871	820	854	1033	1047	1071	1068	1068	1067	1060	1060	1064	1068	1078	1092	1091	1043
9	1083	1072	1068	1072	1077	1069	1075	1074	1074	1075	1064	1024	973	1021	1056	1050	1044	1046	1060	1054	1069	1083	1103	1122	1063
10	1081	1103	1077	1190	1115	1122	1168	1091	1036	1060	1052	1082	1075	1074	1072	1059	1044	1039	1043	1056	1069	1075	1083	1083	1081
11	1087	1067	1074	1070	1074	1077	1086	1083	1075	809	916	1111	1088	1082	1068	1052	1039	1032	1043	1056	1073	1089	1089	1091	1056
12 D	1093	1090	1097	1093	1093	1097	1090	657	839	963	654	1083	1195	1090	1085	1062	991	998	940	1059	1121	1078	1142	1116	1030
13	1118	1067	1058	1061	1067	1056	1055	1002	932	1072	1065	1048	1060	1027	1049	1012	1016	989	987	1012	1092	1063	1081	1074	1044
14	1075	1069	1070	1082	1085	1075	1059	957	1056	1085	1071	1074	1075	1072	1067	1056	1038	1026	1034	1044	1053	1068	1079	1081	1060
15	1084	1069	1074	1080	1084	1077	1064	1059	1098	1068	1041	1082	1083	1079	1075	1068	1056	1035	1034	1025	1036	1072	1090	1082	1067
16	1067	1073	1071	1071	1067	1078	1073	1070	1072	1072	1052	1067	1065	1082	1081	1067	1053	1035	1033	1037	1043	1048	1073	1067	1063
17 Q	1078	1070	1073	1074	1071	1067	1083	1079	1074	1075	1076	1076	1067	1053	1074	1067	1044	1041	1036	1043	1055	1067	1082	1069	1066
18 Q	1067	1071	1074	1071	1072	1073	1074	1078	1075	1072	1074	1075	1074	1078	1075	1064	1050	1043	1041	1044	1053	1068	1075	1091	1068
19 D	1074	1081	1089	1083	1151	1260	1067	824	671	950	1072	1014	1043	1081	1049	1024	1023	1027	1005	1043	1050	1089	1100	1121	1041
20	1122	1105	1098	1071	1062	1060	1067	1027	1059	1044	1017	966	1068	1062	1064	1063	1057	1044	1044	1056	1062	1068	1072	1069	1059
21	1076	1059	1060	1061	1076	1098	1097	1086	1075	1069	1068	1070	1060	1047	1029	1044	1024	1046	1066	1068	1068	1074	1082	1082	1066
22	1095	1058	1122	1106	1085	1101	1112	1099	1049	1024	918	1010	1064	1039	1014	1043	1044	1062	1053	1062	1082	1083	1085	1080	1062
23	1085	1071	1072	1083	1109	1086	1082	1006	963	1050	1030	1006	1063	1075	1069	1060	1056	1054	1053	1065	1076	1079	1075	1076	1060
24 Q	1072	1075	1067	1066	1080	1079	1075	1077	1073	1072	1071	1072	1072	1068	1065	1066	1056	1052	1050	1057	1054	1053	1068	1069	1067
25 Q	1069	1068	1070	1073	1071	1074	1073	1075	1075	1081	1072	1062	1077	1079	1064	1043	1044	1052	1060	1065	1077	1075	1089	1086	1070
26	1087	1156	1297	1225	1098	1141	1068	965	966	1053	1058	1030	1036	1053	1057	1026	997	1032	1058	1050	1061	1075	1068	1080	1072
27	1083	1067	1066	1068	1064	1075	1060	1052	1023	1003	974	988	1024	1056	1072	1045	1036	1052	1057	1060	1064	1075	1070	1075	1051
28 Q	1071	1072	1056	1065	1072	1070	1068	1068	1070	1070	1069	1069	1063	1068	1072	1058	1048	1068	1068	1066	1073	1082	1074	1067	1068
29	1071	1070	1071	1072	1066	1043	1011	1019	977	934	801	921	1049	1046	1019	1054	1050	1037	999	1042	1053	1103	1170	1174	1036
30	1112	1122	1125	1126	1168	1176	1095	1036	970	919	918	818	879	988	1066	1082	1088	1082	1075	1068	1060	1075	1065	1086	1050
31																									
Mean	1082	1080	1090	1097	1079	1080	1044	998	965	982	947	999	1047	1049	1052	1047	1140	1038	1038	1051	1067	1078	1087	1094	1047

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 72 Meanook

D = 23° E + ...'

September 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	62.2	65.2	63.5	60.1	60.3	59.1	76.1	44.3	30.3	69.1	63.2	64.9	69.9	70.1	68.4	63.3	59.0	55.1	46.1	49.1	55.2	53.1	56.1	59.8	59.3
2 D	62.1	61.1	61.8	69.7	90.7	63.6	43.1	48.9	43.2	65.2	65.9	70.0	65.1	70.2	65.0	68.4	70.3	67.6	61.2	56.1	56.2	59.3	58.2	59.2	62.6
3 D	60.1	60.4	78.4	70.3	65.4	66.8	62.1	57.3	47.8	51.0	86.1	42.3	73.8	72.0	68.5	70.9	67.0	65.0	60.1	48.1	52.2	57.7	57.9	73.5	63.1
4 D	59.5	56.5	57.6	96.2	80.9	55.3	33.6	66.1	69.3	64.1	46.8	78.4	70.0	71.0	69.1	69.9	67.9	66.5	62.1	59.3	61.4	62.0	59.1	59.2	64.2
5	62.0	64.1	63.0	69.2	64.1	71.1	61.1	58.9	45.3	57.4	60.1	64.8	63.1	66.6	66.0	59.1	57.1	55.8	53.5	53.1	56.0	55.6	56.8	58.6	60.1
6	61.1	60.2	59.9	64.4	64.5	62.9	72.9	73.4	65.8	62.1	55.1	60.7	59.1	67.2	66.3	68.1	65.4	61.0	56.0	59.1	58.1	58.2	57.3	56.5	62.3
7	61.3	62.0	64.1	75.2	63.0	65.9	60.1	64.8	64.1	58.1	71.0	60.3	67.6	63.3	66.4	68.2	66.1	63.2	58.1	55.0	53.3	57.0	58.5	59.6	62.8
8	61.8	60.5	59.6	65.1	60.0	58.6	58.7	63.1	67.8	74.3	54.3	63.3	66.3	67.3	66.1	66.2	65.1	63.2	58.2	58.0	58.1	58.0	58.9	59.7	62.2
9	61.1	61.0	59.9	60.9	62.1	72.0	61.1	59.1	60.6	61.2	61.8	62.9	67.9	74.3	73.1	70.5	64.9	58.9	58.9	58.5	56.1	55.6	58.7	59.7	62.5
10	57.6	53.9	58.5	72.1	78.0	56.9	54.3	60.4	70.4	74.4	66.6	63.7	66.4	67.0	69.2	70.8	69.2	64.1	59.2	56.2	55.4	56.4	58.0	59.1	63.2
11	59.9	59.4	60.1	59.0	58.9	59.1	62.1	60.0	64.1	47.1	48.0	69.6	70.3	70.8	70.9	69.2	66.8	63.1	60.8	60.0	57.3	57.6	57.8	60.8	61.4
12 D	61.2	60.5	59.8	57.8	57.6	57.3	52.7	10.5	70.9	55.4	87.4	67.4	72.5	77.5	75.2	72.0	72.6	60.5	60.8	61.0	56.5	51.2	52.1	56.1	60.2
13	55.7	56.4	58.6	59.5	60.9	72.5	68.1	66.2	45.9	58.0	62.1	68.0	64.1	66.1	70.6	69.8	69.0	61.2	53.1	48.3	56.0	53.7	56.5	60.1	60.8
14	61.3	61.9	62.0	65.1	66.9	63.0	64.2	60.2	66.0	61.4	62.3	64.0	64.7	68.0	69.2	70.4	70.0	66.2	60.0	55.0	54.1	55.1	58.1	60.1	62.9
15	60.2	63.0	60.0	69.2	75.7	59.5	66.3	45.7	58.7	60.5	61.9	63.1	66.0	67.8	70.0	71.0	69.5	67.0	60.0	55.6	48.4	53.0	56.0	58.1	61.9
16	61.9	61.6	60.9	62.1	65.8	61.0	61.0	61.1	61.0	60.9	58.0	64.8	65.1	69.9	72.4	71.2	69.2	65.0	58.0	56.6	56.7	55.3	54.2	58.0	62.2
17 Q	61.9	61.0	60.9	60.7	60.6	69.9	64.9	59.0	60.2	60.9	61.9	62.2	60.8	62.2	69.4	71.1	68.2	65.6	60.3	55.4	54.9	56.1	57.9	60.0	61.9
18 Q	61.1	60.8	60.4	60.5	60.1	60.1	63.1	63.1	61.9	61.5	62.1	62.2	63.3	66.3	68.1	70.2	70.1	64.2	61.0	58.0	57.1	56.9	57.0	55.1	61.8
19 D	56.3	57.1	56.4	57.6	53.4	51.1	51.9	50.0	30.0	63.2	63.3	64.4	67.0	70.1	69.3	70.9	69.6	58.3	62.3	58.2	54.0	56.3	53.9	64.1	58.7
20	67.1	62.2	60.3	68.2	62.8	58.3	59.1	52.0	59.8	59.6	60.0	55.2	62.5	68.1	68.6	67.0	67.1	64.3	62.1	60.1	58.7	59.6	60.4	60.8	61.8
21	60.2	60.8	60.1	59.5	58.0	59.6	64.9	60.7	60.8	62.0	64.3	64.5	63.4	66.8	61.3	60.4	54.9	53.8	56.1	57.2	56.3	57.6	59.0	59.3	60.1
22	57.6	57.0	58.3	67.2	67.3	62.4	60.1	58.7	51.1	64.0	65.6	57.2	68.1	69.7	65.5	63.7	60.5	60.0	59.2	55.8	59.1	59.1	60.2	60.1	61.1
23	59.3	62.8	68.6	76.7	71.0	49.2	61.2	52.5	54.7	62.0	64.2	56.3	64.6	65.2	66.2	67.1	65.3	62.2	59.7	58.6	58.4	59.0	60.1	60.5	61.9
24 Q	61.2	61.0	60.2	59.4	64.2	57.2	62.6	61.4	61.4	61.9	62.1	62.5	62.9	64.5	66.0	66.2	65.8	63.1	60.1	57.2	56.1	53.6	57.2	59.4	61.1
25 Q	59.6	60.7	61.0	61.1	61.1	60.8	61.1	61.4	62.4	62.2	62.3	62.4	67.4	66.3	68.0	66.2	62.2	57.1	57.5	57.4	56.1	56.2	57.1	57.2	61.0
26	56.5	59.5	72.4	60.2	65.0	57.6	56.1	53.8	47.1	62.3	64.2	60.3	60.3	64.0	68.5	67.6	66.2	55.7	57.3	56.4	56.5	57.2	58.6	60.8	60.2
27	59.6	66.5	68.2	61.5	67.9	64.3	60.3	61.2	62.5	60.3	54.8	57.2	60.3	65.2	67.2	65.2	60.6	61.4	60.7	60.2	59.5	60.2	60.5	60.9	61.9
28 Q	61.3	61.6	69.7	63.6	60.5	60.3	60.6	61.3	63.0	63.2	62.5	62.2	61.2	63.3	65.3	64.8	62.1	56.6	58.2	56.4	57.2	57.7	58.1	59.2	61.2
29	58.1	59.3	58.3	61.5	60.8	70.3	69.6	76.6	67.0	79.0	55.7	60.3	70.7	64.0	60.6	61.6	56.7	55.7	48.6	48.4	53.2	61.1	61.3	59.2	61.6
30	63.3	58.3	60.7	53.5	52.3	60.2	57.9	65.2	64.1	72.3	64.0	64.8	63.1	55.6	59.1	63.2	66.4	66.1	62.3	60.1	57.1	56.7	58.0	58.5	61.0
31																									
Mean	60.4	60.5	62.1	64.9	64.7	61.5	60.4	57.2	57.9	62.5	62.6	62.7	65.6	67.3	67.7	67.5	65.5	61.6	58.4	56.3	56.2	56.9	57.8	59.8	61.6

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 73 Meanook

$z = 58,000 \gamma +$

September 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	756	767	754	735	738	743	551	655	856	639	733	765	761	756	694	634	648	675	717	723	747	756	755	750	721
2 D	743	743	754	808	740	746	494	617	468	540	576	621	563	538	619	626	697	716	724	742	773	798	767	759	674
3 D	749	774	844	820	545	615	736	615	564	487	492	595	708	683	669	728	710	712	729	744	776	789	832	846	698
4 D	765	765	780	788	712	513	462	652	672	493	396	539	636	713	739	732	751	762	746	766	777	780	765	746	685
5	759	753	748	753	753	749	724	687	561	467	615	734	724	706	643	595	637	667	711	736	746	744	746	776	697
6	805	794	788	790	635	615	672	668	702	713	541	538	574	664	672	709	714	726	736	767	787	816	781	763	707
7	756	754	768	778	761	756	737	625	454	560	571	685	715	702	729	729	730	732	735	739	746	748	756	760	710
8	746	751	799	832	788	742	738	654	500	597	643	648	703	726	723	714	727	739	739	741	744	746	755	761	719
9	759	765	767	766	767	742	746	738	736	735	714	671	600	642	672	680	691	711	735	746	764	773	791	792	729
10	772	780	796	720	704	755	717	715	680	657	689	747	738	740	738	735	735	733	735	735	736	736	736	735	732
11	740	741	738	735	735	737	751	753	746	592	612	747	746	741	734	734	735	744	743	746	743	741	740	729	729
12 D	735	737	737	735	735	728	719	289	581	839	904	764	752	743	743	737	735	743	737	825	829	767	785	798	737
13	787	756	746	747	750	716	697	657	674	753	746	726	738	722	735	722	724	728	743	756	772	741	750	746	735
14	751	762	756	756	688	686	696	527	659	744	740	738	740	736	735	736	736	734	734	735	738	744	747	746	723
15	743	740	736	754	719	754	622	565	733	733	714	729	735	736	735	735	734	728	727	733	730	746	749	747	724
16	746	740	735	746	748	743	737	735	742	735	701	710	711	716	729	735	735	734	735	738	753	770	759	746	737
17 Q	746	739	735	736	737	730	698	728	734	732	735	733	724	714	725	725	726	725	726	733	735	737	741	743	731
18 Q	737	733	732	727	727	732	735	726	728	732	729	728	725	732	734	732	725	723	723	725	733	734	735	735	730
19 D	725	726	737	738	789	626	569	643	865	768	767	716	741	746	733	715	734	723	738	801	775	766	781	802	739
20	802	802	789	755	725	738	737	660	695	668	682	651	727	725	735	739	735	734	732	732	734	734	734	734	729
21	738	734	735	732	736	756	711	742	738	735	725	727	724	709	678	681	690	699	712	721	724	727	735	735	723
22	747	746	777	765	765	756	777	725	623	661	658	702	712	702	703	712	713	732	735	733	749	747	738	735	726
23	741	749	756	737	690	629	721	669	626	684	670	654	706	734	733	728	729	734	733	727	727	733	735	736	712
24 Q	735	736	738	746	737	722	742	734	734	729	727	724	726	726	726	727	724	716	713	714	723	722	724	725	728
25 Q	725	724	724	724	725	726	726	725	725	724	716	690	701	716	720	720	713	712	714	717	724	726	733	734	720
26	746	795	623	572	701	776	734	648	603	714	737	715	713	723	702	693	706	710	721	725	735	736	736	742	709
27	756	777	751	736	721	712	719	728	664	649	660	680	711	713	729	722	713	710	727	732	735	736	735	738	719
28 Q	734	735	743	740	734	726	727	726	724	723	724	722	713	702	701	703	709	702	706	714	721	725	740	760	723
29	766	765	762	748	737	713	664	606	589	592	572	631	659	678	670	681	683	696	696	713	763	800	822	811	701
30	787	790	786	809	829	789	756	735	681	648	637	561	539	604	711	726	746	740	735	735	734	739	735	746	721
31																									
Mean	753	756	754	751	729	716	694	665	668	668	671	686	699	706	710	709	716	721	728	740	749	752	755	756	719

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 74 Meanook

H = 12,000 γ +

October 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	1086	1082	1086	1079	1078	1030	669	585	759	534	434	395	869	1068	1044	1053	1019	974	1042	1060	1082	1148	1126	1090	933	
2	1083	1077	1084	1099	1078	1029	1027	778	1028	1024	926	972	872	945	958	1060	1035	999	1041	1062	1061	1062	1068	1068	1018	
3	1066	1068	1071	1075	1070	1065	1068	1016	927	934	942	1021	1082	1012	988	1074	1057	1059	1053	1060	1073	1068	1072	1074	1041	
4 Q	1068	1063	1068	1069	1077	1075	994	1022	1075	965	1003	1053	1058	1083	1077	1075	1055	1028	1012	1027	1042	1056	1066	1057	1049	
5	1068	1075	1074	1075	1075	1071	1075	1078	1078	1075	1080	1090	1083	1079	1075	1072	1061	1045	1021	1021	1038	1029	1075	1075	1066	
6	1065	1092	1134	1155	1266	1137	937	926	1068	1075	1068	1070	1060	1029	963	1053	1067	1052	1049	1054	1059	1066	1065	1060	1065	
7	1064	1076	1073	1073	1102	1070	1090	1074	1056	969	1057	1084	1082	1079	1074	1067	1060	1049	1047	1052	1067	1097	1055	1089	1067	
8 D	1081	1293	1403	1074	1069	1062	1107	1140	1103	1085	895	841	995	1067	1071	1071	1060	1032	1022	1050	1058	1075	1096	1078	1076	
9 D	1132	1215	1083	1069	1094	1071	1067	1059	1005	1002	1081	1023	838	839	1036	1035	1045	1066	1058	1062	1070	1071	1067	1086	1049	
10	1126	1098	1074	1084	1097	1089	1080	1075	1034	998	884	816	808	1068	1082	1054	1031	1035	1035	1030	1059	1077	1075	1059	1036	
11	1082	1101	1093	1081	1035	1074	1114	951	917	1021	951	1049	1032	1007	1071	1071	1044	1051	1045	1063	1050	1059	1067	1078	1046	
12 Q	1092	1087	1089	1077	1074	1074	1078	1074	1023	1010	1037	1078	1075	1075	1067	1063	1059	1051	1049	1051	1057	1068	1073	1073	1065	
13	1074	1077	1079	1079	1076	1078	1078	1082	1081	1035	907	893	948	988	1021	1063	1059	1048	1029	1036	1053	1059	1074	1092	1042	
14	1082	1099	1094	1090	1107	1068	997	1105	1028	907	513	848	1045	1049	1060	1071	1059	1027	1005	1013	1042	1089	1075	1069	1023	
15 Q	1081	1082	1075	1089	1090	1017	1039	1066	1067	1068	1040	1074	1077	1074	1060	1056	1053	1049	1036	1042	1050	1055	1070	1068	1062	
16	1063	1067	1075	1080	1074	1071	1072	1077	1077	1077	964	455	791	1013	1045	1075	1071	1050	1036	1050	1061	1059	1067	1076	1023	
17 Q	1071	1082	1081	1081	1081	1085	1086	1067	965	1009	1067	1074	1071	1074	1070	1063	1055	1049	1049	1053	1052	1061	1067	1073	1062	
18	1067	1069	1205	1169	1097	1081	1072	1067	1070	1067	1069	1073	1075	1073	1068	1064	1058	1037	1035	1040	1057	1064	1069	1071	1076	
19	1073	1076	1081	1081	1078	1078	1081	1078	802	815	1005	1041	831	900	1027	1005	1074	1058	1059	1059	1064	1061	1066	1069	1023	
20	1065	1074	1075	1074	1074	1074	1077	1074	1079	1073	1068	1071	1069	1068	1051	1049	1066	1057	1046	1053	1064	1066	1074	1066	1067	
21	1069	1079	1088	1084	1092	1079	1073	1059	1051	1030	1058	1066	1053	1066	1051	1059	1063	1019	1023	1040	1052	1074	1067	1060	1060	
22	1060	1078	1067	1067	1085	1074	1053	1053	1003	940	885	1007	1052	998	1038	1090	1082	1071	1065	1056	1053	1059	1053	1083	1045	
23	1087	1085	1083	1092	1090	1083	1059	1071	1041	1012	925	902	1026	1027	1027	1003	1029	1045	1039	1044	1042	1028	1060	1069	1040	
24	1084	1071	1065	1054	1075	1049	1076	1081	1069	1060	1018	972	929	1014	1036	1063	1055	1019	989	1020	1043	1069	1098	1059	1046	
25 D	1128	1088	1074	1071	1071	1103	1081	879	931	943	1028	871	799	950	1073	1064	963	1028	1023	1045	1040	1082	1067	1059	1019	
26 D	1084	1113	1088	1100	1082	1074	1061	966	692	565	776	623	783	809	696	916	988	1009	1011	1018	1032	1071	1085	1070	946	
27	1070	1082	1067	1066	1073	1093	997	1110	988	964	1000	946	859	993	941	1010	1047	1057	1043	1057	1057	1066	1080	1073	1031	
28	1073	1073	1082	1100	1083	1066	1070	1033	999	975	957	1012	1051	1046	1053	1048	1044	1042	1034	1040	1048	1065	1066	1066	1047	
29	1073	1067	1062	1065	1071	1066	1058	1058	1052	1011	1049	1058	1040	1055	1071	1066	1048	1042	1049	1051	1050	1052	1073	1063	1056	
30	1068	1073	1075	1070	1060	1082	1051	942	941	1011	968	916	1004	1059	1058	1050	1058	1058	1044	1061	1051	1066	1069	1073	1038	
31 Q	1073	1071	1069	1066	1066	1051	1056	1048	1049	1033	990	969	1030	1052	1069	1070	1065	1058	1044	1044	1052	1058	1058	1066	1050	
Mean	1079	1091	1094	1084	1085	1072	1046	1022	1002	977	956	947	980	1021	1033	1053	1049	1041	1036	1046	1054	1067	1072	1071	1041	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 75 Meanook

D = 23° E + ...'

October 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	58.2	63.1	59.9	61.2	75.3	60.0	32.2	61.7	90.9	52.0	87.3	91.6	52.8	66.4	63.1	64.3	58.1	56.5	52.0	58.3	73.2	60.5	61.2	61.6	63.4
2	62.2	66.7	93.4	72.2	59.7	77.3	73.2	44.3	64.1	63.6	54.4	59.5	51.3	56.4	61.7	65.2	62.3	56.9	52.6	57.0	58.4	58.2	59.2	60.4	62.1
3	61.2	62.2	62.2	63.2	70.3	62.7	72.0	64.6	67.5	67.2	70.1	68.1	65.4	57.3	55.4	65.1	63.5	62.7	61.1	58.1	56.2	56.6	57.7	59.6	62.9
4 Q	59.1	60.6	61.2	68.7	68.6	63.5	62.3	72.4	71.0	74.1	66.8	64.2	59.5	63.0	66.1	67.3	68.1	66.5	54.3	49.3	52.3	53.2	56.0	58.2	62.8
5	61.0	62.6	62.5	62.1	61.1	62.8	62.3	61.7	62.4	62.1	60.2	62.7	63.5	65.8	68.3	69.1	64.2	62.6	57.2	53.8	52.2	47.4	54.6	57.5	60.8
6	60.1	55.5	70.0	65.2	67.6	64.4	58.4	55.4	59.9	60.6	62.2	62.1	61.2	61.0	54.1	65.3	66.3	63.0	59.3	57.2	57.5	58.3	59.2	58.2	60.9
7	59.8	60.2	60.7	60.7	65.2	56.7	60.5	64.9	66.2	55.8	63.2	64.3	64.5	63.3	65.1	65.4	65.2	61.9	59.3	59.6	60.0	58.2	58.2	54.1	61.4
8 D	53.7	60.4	66.4	59.3	57.8	58.3	59.2	62.5	63.0	63.5	70.8	69.9	66.9	70.4	73.1	71.6	68.3	66.4	57.1	55.4	55.1	57.8	60.0	56.1	62.6
9 D	65.7	62.8	62.4	58.4	77.3	61.9	62.4	63.1	60.3	71.4	61.6	63.6	66.5	54.7	59.2	60.4	65.8	64.5	61.7	60.3	59.1	58.2	58.8	57.2	62.4
10	68.4	57.8	59.5	60.4	67.1	60.3	60.3	60.4	62.0	55.8	57.5	64.4	52.1	67.2	68.0	66.2	64.2	61.5	58.8	57.3	56.2	57.3	58.1	59.5	60.8
11	58.5	62.4	63.6	69.4	63.2	70.6	59.6	50.8	53.3	59.4	59.5	60.8	64.3	61.3	64.6	67.3	66.2	63.8	61.1	59.3	58.6	58.6	60.3	58.3	61.5
12 Q	60.4	60.5	61.2	59.1	58.8	60.9	63.3	57.4	59.7	50.5	64.4	62.4	64.4	66.3	66.5	66.7	64.4	62.5	61.1	58.8	57.9	58.4	59.2	59.8	61.0
13	60.3	60.2	60.1	60.3	59.8	59.4	59.7	61.3	59.6	64.8	60.2	79.9	64.3	57.7	63.5	65.5	64.8	62.1	59.4	55.7	55.2	53.7	53.8	53.3	60.6
14	57.5	56.9	57.8	58.5	63.9	84.3	67.2	51.8	57.4	60.4	42.2	49.8	67.5	67.8	67.2	65.5	65.5	63.4	57.3	55.3	55.4	58.5	58.3	59.6	60.4
15 Q	60.2	60.3	61.3	60.2	63.4	54.9	59.8	66.7	62.6	60.5	60.1	60.9	63.9	65.0	65.8	69.3	68.4	67.0	63.5	59.4	58.2	57.6	57.4	56.5	61.8
16	56.6	59.9	60.5	61.4	62.3	61.7	62.4	64.3	63.8	62.4	68.3	56.5	90.4	71.8	65.5	68.4	69.2	66.4	60.8	59.5	58.4	58.2	57.8	56.3	63.5
17 Q	60.5	61.3	59.5	61.2	62.3	61.9	64.4	59.8	54.4	59.4	60.7	61.8	62.1	63.8	66.0	67.7	67.7	65.4	62.6	60.1	59.6	59.3	60.3	59.6	61.7
18	59.7	61.3	58.4	62.8	63.3	60.5	59.6	60.5	61.3	62.5	62.7	62.8	63.3	64.0	64.4	67.9	66.0	63.5	57.3	57.4	57.5	58.3	58.3	59.8	61.4
19	59.9	60.5	61.1	61.1	61.3	61.1	61.4	61.6	41.8	39.7	61.8	74.1	74.9	54.6	60.0	61.4	63.0	61.5	61.5	59.6	57.5	57.4	58.6	58.5	59.8
20	59.8	61.4	61.4	60.8	62.1	62.7	62.5	58.8	61.3	62.5	63.1	63.7	62.3	63.4	65.3	65.2	63.9	63.8	61.6	56.8	57.4	57.9	58.5	58.2	61.4
21	59.1	60.4	68.3	70.3	66.2	61.9	60.1	58.3	60.0	57.0	59.5	62.7	59.4	59.5	57.9	60.9	62.8	59.6	50.3	49.5	52.4	56.5	59.4	60.7	59.7
22	60.7	62.3	66.2	68.2	68.3	68.3	67.1	66.2	57.9	53.4	48.3	78.4	70.9	62.8	62.2	66.5	65.4	65.3	61.7	58.7	57.9	58.2	56.9	60.7	63.0
23	60.5	59.0	72.3	64.1	71.5	61.3	62.3	67.1	61.6	56.5	62.2	61.1	62.1	67.6	61.4	52.3	54.2	58.3	57.9	55.9	57.6	57.2	57.5	60.3	60.9
24	61.7	60.4	61.8	63.7	70.3	61.4	63.2	60.7	61.3	61.5	60.3	58.4	51.8	66.6	59.0	62.3	59.7	59.2	53.2	52.3	51.5	58.3	62.2	60.1	60.0
25 D	61.2	63.5	60.7	61.5	65.2	89.5	66.3	47.1	51.1	67.7	68.2	55.5	41.3	55.3	66.3	62.2	46.8	47.2	54.4	58.1	59.2	62.5	60.2	60.3	59.6
26 D	61.9	78.3	62.2	65.3	62.2	60.4	60.5	64.9	46.7	76.3	67.1	51.5	56.3	40.1	45.3	49.2	58.0	53.2	61.4	52.0	54.3	57.3	61.3	62.6	58.7
27	63.4	66.8	74.4	63.4	72.2	70.5	74.6	65.6	61.3	55.4	57.2	62.2	56.4	54.8	58.7	51.9	59.4	61.7	57.2	56.9	57.7	58.4	60.2	63.6	61.8
28	60.4	66.3	61.9	75.4	67.5	62.4	61.9	50.2	52.2	59.7	56.1	57.5	58.4	62.0	63.4	65.8	66.0	65.0	60.4	58.3	59.6	60.0	62.3	60.4	61.4
29	61.9	61.9	67.0	71.2	63.7	61.4	63.9	67.1	60.0	52.7	54.2	64.1	61.4	59.4	65.5	67.2	65.3	62.2	60.7	59.3	59.3	59.7	60.4	60.4	62.2
30	60.4	60.5	62.2	61.8	70.1	64.9	61.0	55.9	55.2	67.4	57.3	52.4	54.4	62.2	61.5	59.3	62.2	64.1	59.0	58.1	56.1	58.4	59.2	57.7	60.0
31 Q	60.8	61.3	61.6	61.2	62.1	68.8	63.3	64.4	64.3	62.6	63.3	57.5	56.4	62.2	62.3	61.0	63.9	65.3	60.3	58.4	57.4	57.9	59.2	59.3	61.4
Mean	60.5	61.9	63.9	63.6	65.5	64.4	62.2	60.4	60.5	60.6	61.6	63.4	61.6	61.7	62.8	64.0	63.5	62.0	58.6	57.0	57.4	57.7	58.8	59.0	61.4

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 76 Meanook

z = 58,000 γ +

October 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	755	813	787	778	780	697	531	554	538	533	454	529	585	668	682	734	707	696	737	756	842	831	811	772	690
2	756	777	760	778	763	678	659	494	684	670	613	638	615	686	678	739	735	741	746	748	736	740	741	748	705
3	746	747	740	740	725	713	734	665	517	555	547	628	711	668	691	735	726	735	735	738	738	735	744	751	698
4 Q	756	756	778	776	760	744	637	630	648	571	583	660	681	727	736	736	734	723	721	733	746	738	749	740	711
5	737	739	735	732	733	741	748	741	735	722	713	724	730	727	724	726	725	722	725	728	770	755	747	753	735
6	746	782	835	807	796	739	598	667	735	747	737	737	727	712	639	696	726	732	730	730	735	741	749	749	733
7	742	746	746	756	775	690	751	734	681	630	681	730	728	735	735	735	734	735	734	733	734	751	748	766	730
8 D	757	842	814	775	737	735	761	703	744	713	683	655	673	714	735	732	723	721	733	735	736	753	764	761	737
9 D	831	855	802	756	756	743	729	584	605	648	754	704	643	643	714	721	737	750	691	693	694	699	701	726	716
10	832	778	761	761	725	710	735	753	711	673	547	519	563	714	732	725	732	743	747	754	754	749	747	742	717
11	766	801	770	690	531	662	754	612	605	671	657	729	712	721	747	743	736	744	743	743	748	756	764	759	715
12 Q	777	783	759	740	746	749	737	702	660	583	644	729	726	725	728	734	735	736	737	735	736	736	736	735	725
13	734	734	734	735	735	741	744	746	743	641	499	518	639	691	660	728	734	735	736	738	746	743	744	775	707
14	801	841	788	770	789	652	602	719	746	622	458	606	703	709	738	770	755	737	752	777	787	800	760	749	726
15 Q	756	762	751	766	777	671	693	724	746	735	711	734	740	740	739	744	755	751	746	744	740	743	746	751	740
16	750	747	747	747	743	737	737	743	734	741	638	533	611	695	743	750	744	737	746	755	755	754	754	759	725
17 Q	777	764	754	746	755	756	762	735	634	644	712	734	734	738	740	740	740	739	737	736	734	734	735	737	734
18	741	768	854	868	810	776	749	737	738	734	734	734	731	729	734	731	724	732	735	737	734	734	736	734	751
19	733	733	734	733	733	733	734	692	437	375	640	656	636	663	677	647	740	733	734	743	750	761	750	746	688
20	747	745	738	738	743	737	734	723	740	735	728	724	719	724	732	724	728	724	726	723	728	736	742	742	733
21	745	755	777	758	703	733	743	689	693	669	695	711	703	712	702	701	722	713	724	732	723	734	738	743	722
22	734	743	748	765	786	765	734	711	672	567	450	594	618	515	545	662	712	734	734	734	743	754	777	763	690
23	753	759	819	778	753	736	723	701	692	637	589	549	672	673	696	695	694	723	734	734	742	745	745	741	712
24	749	754	755	766	766	740	741	728	733	720	636	572	570	634	696	722	725	728	758	759	761	792	767	817	725
25 D	814	771	752	744	765	712	740	603	580	509	657	644	527	563	676	712	685	710	724	764	746	805	779	757	699
26 D	773	813	789	773	701	747	730	684	582	583	609	601	568	602	589	661	723	733	779	765	779	787	785	757	705
27	757	764	768	766	734	688	635	731	673	698	702	635	624	682	646	722	714	735	742	744	755	757	763	774	717
28	765	765	755	755	731	748	722	645	611	591	606	676	722	720	747	744	740	748	749	757	772	774	770	749	723
29	745	747	754	749	746	736	717	682	696	647	665	709	704	711	723	733	726	736	744	736	738	737	747	742	723
30	745	744	737	749	765	766	711	628	600	613	624	603	657	692	695	694	710	734	737	759	759	759	752	752	708
31 Q	755	762	762	765	765	747	723	708	705	698	646	673	707	713	717	728	732	735	732	738	742	747	749	744	729
Mean	761	771	768	760	746	727	711	683	665	641	633	651	667	689	701	721	728	732	737	742	749	754	753	753	718

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 77 Meanook

H = 12,000 γ +

November 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	1073	1072	1063	1066	1069	1069	1067	1067	1057	1003	1048	1074	1077	1073	1062	1061	1058	1047	1039	1043	1056	1058	1049	1049	1058
2	1061	1066	1066	1063	1071	1073	1072	1073	1073	1062	1034	1034	1024	1054	1073	1077	1066	1056	1034	1041	1048	1057	1063	1119	1061
3	1081	1066	1059	1065	1063	1062	1056	1019	1024	1050	906	917	1004	1010	1057	1058	1052	1062	1058	1048	1049	1052	1058	1069	1039
4	1075	1066	1068	1073	1068	1079	1069	1043	982	886	926	854	985	1039	997	1035	1064	1063	1058	1052	1051	1029	1057	1075	1029
5	1075	1078	1077	1080	1080	1080	1107	1036	1071	1036	1057	1077	1073	1071	1073	1071	1064	1058	1057	1054	1058	1062	1063	1069	1068
6 D	1073	1083	1088	1081	1175	1092	1083	1039	1063	1055	1083	1081	1078	1074	1067	1058	1059	1051	1018	1045	1048	1036	1042	1059	1068
7	1081	1073	1058	1080	1071	1075	1073	1074	1073	1056	878	894	973	975	1052	1081	1067	1063	1058	1057	1059	1066	1066	1061	1044
8	1065	1072	1074	1075	1072	1079	1080	1079	1072	1065	1054	1029	1061	1075	1069	1060	1063	1063	1057	1050	1052	1057	1066	1075	1065
9	1078	1069	1072	1076	1072	1074	1072	1073	1072	1073	1074	1075	1072	1073	1072	1070	1069	1061	1054	1057	1063	1065	1060	1061	1069
10 Q	1072	1079	1074	1076	1080	1077	1073	1072	1073	1072	1074	1076	1075	1075	1073	1071	1064	1054	1050	1053	1059	1070	1069	1072	1070
11	1076	1080	1082	1080	1079	1073	1089	1049	1066	985	1018	1037	1044	1039	1074	1069	1056	1055	1049	1056	1057	1058	1068	1072	1059
12 Q	1073	1074	1079	1078	1075	1073	1072	1072	1071	1071	1072	1072	1072	1072	1072	1065	1057	1051	1047	1051	1059	1069	1073	1073	1069
13 Q	1069	1074	1079	1077	1073	1072	1072	1072	1071	1072	1075	1076	1076	1075	1074	1065	1059	1055	1051	1051	1057	1066	1079	1077	1069
14	1076	1077	1079	1076	1075	1074	1073	1072	1072	1073	1074	1075	1079	1080	1079	1073	1061	1061	1051	1055	1054	1057	1067	1073	1070
15 D	1080	1079	1079	1081	1082	1095	1105	1081	1056	1072	1066	805	586	828	1070	1102	1079	1054	1032	1018	1055	1050	1069	1102	1030
16 D	1123	1125	1306	1100	1057	1065	1061	1000	1004	1019	957	858	1021	1068	1039	1038	1030	1025	1014	1021	1042	1058	1061	1062	1048
17	1072	1076	1091	1076	1078	1072	1069	1065	1061	1057	1055	1054	1056	1065	1052	1063	1065	1057	1053	1056	1059	1064	1065	1070	1065
18 Q	1073	1075	1075	1073	1073	1072	1072	1072	1072	1072	1072	1072	1075	1072	1072	1069	1065	1062	1059	1059	1062	1063	1069	1071	1070
19	1072	1074	1074	1074	1074	1074	1072	1072	1072	1073	1072	1072	1072	1073	1076	1072	1073	1072	1066	1068	1062	1064	1066	1069	1071
20 Q	1079	1081	1080	1079	1079	1079	1077	1067	1091	1087	1084	1084	1081	1081	1080	1077	1075	1076	1073	1074	1076	1077	1076	1079	1079
21	1087	1080	1076	1065	1066	1057	1042	1009	898	872	962	900	957	1043	1056	1070	1061	1057	1052	1050	1057	1071	1078	1076	1031
22 D	1078	1102	1155	1143	1096	898	910	525	812	806	699	935	885	956	1025	1048	1087	1071	1060	1069	1057	1067	1083	1083	986
23	1073	1069	1079	1069	1078	1080	1050	993	897	962	887	906	1002	1017	1039	1058	1065	1066	1061	1057	1056	1074	1058	1060	1031
24	1069	1072	1076	1072	1072	1075	1072	1054	927	1063	1072	949	886	1012	1047	1072	1067	1063	1042	1057	1065	1068	1073	1072	1046
25	1071	1072	1073	1087	1079	1076	992	1033	1058	946	905	1018	1027	994	1076	1072	1056	1058	1056	1065	1065	1065	1079	1079	1046
26	1065	1063	1077	1076	1073	1079	1074	1072	1069	1067	1067	1059	1066	1054	1072	1072	1064	1059	1056	1057	1065	1072	1072	1072	1068
27	1073	1066	1067	1063	1064	1063	1059	1037	1066	1068	1063	1068	1066	1070	1073	1074	1066	1055	1058	1062	1057	1063	1073	1071	1064
28	1069	1071	1073	1076	1073	1062	1066	1058	1056	1058	1051	1019	1072	1075	1082	1081	1073	1056	1057	1062	1068	1070	1070	1073	1065
29	1073	1073	1073	1073	1073	1073	1075	1074	1068	1057	1000	1018	1052	1068	1070	1070	1072	1070	1072	1066	1080	1080	1082	1084	1067
30 D	1086	1088	1120	1135	1175	884	824	654	806	586	605	1011	979	937	1004	1098	1089	1073	1076	1073	1072	1066	1062	1068	982
31																									
Mean	1076	1076	1086	1080	1081	1062	1056	1024	1029	1014	1000	1006	1019	1040	1061	1068	1065	1059	1052	1054	1059	1062	1067	1073	1053

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 78 Meanook

D = 23° E + ...'

November 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	61.2	61.4	62.5	64.3	62.3	63.4	61.3	62.1	60.2	52.1	57.2	61.3	62.3	62.7	62.3	63.2	63.2	60.6	59.1	55.9	55.4	56.3	56.2	54.8	60.1
2	57.9	61.0	61.7	61.7	64.2	62.8	62.3	60.8	60.7	60.3	60.3	60.3	65.7	61.9	66.3	65.4	66.4	67.1	62.8	58.4	57.7	54.3	55.4	54.9	61.3
3	59.1	61.3	62.0	63.4	65.3	62.7	66.3	66.7	65.2	59.8	54.3	47.4	58.2	67.5	65.3	62.5	62.3	62.0	61.6	58.8	58.7	59.0	58.2	61.5	61.2
4	62.5	61.2	61.8	62.0	66.4	67.4	61.5	62.3	64.2	62.1	62.3	52.2	60.4	64.3	59.1	61.9	60.1	61.6	61.8	58.7	59.1	53.4	57.2	59.3	60.9
5	60.7	61.4	62.1	62.0	61.1	61.4	82.3	66.7	64.3	61.4	62.5	63.0	63.3	63.1	64.2	65.4	66.1	65.6	63.3	61.8	60.4	58.3	58.3	59.4	63.3
6 D	59.8	59.8	56.3	60.6	68.9	63.2	61.4	61.2	65.8	60.2	63.1	62.2	62.5	62.3	63.4	61.1	64.4	64.3	60.9	58.1	58.1	57.2	60.4	57.1	61.3
7	60.1	57.4	69.8	60.4	65.2	75.0	60.3	59.6	60.3	62.5	51.1	54.2	73.1	59.8	63.0	65.3	65.4	64.2	62.4	61.5	60.4	59.6	60.0	59.9	62.1
8	60.3	61.3	61.4	61.2	62.8	62.7	60.4	61.5	61.8	62.5	62.4	61.3	67.5	66.1	65.5	64.3	64.5	62.2	59.9	58.2	57.3	57.2	57.7	59.2	61.6
9	59.2	60.5	60.1	61.0	61.2	61.2	60.7	60.3	60.8	61.2	61.8	62.2	62.1	62.6	62.9	64.0	64.7	64.0	60.5	59.2	58.9	59.2	59.2	60.0	61.1
10 Q	61.1	61.5	62.2	61.2	61.4	60.3	61.2	61.1	61.0	61.2	61.2	62.1	62.7	63.2	64.0	65.1	65.2	63.7	62.1	60.2	59.2	59.1	60.2	60.1	61.7
11	60.3	61.7	61.6	61.2	61.2	69.4	70.0	68.2	64.2	60.2	60.2	61.8	61.2	66.3	66.6	66.8	64.2	60.1	58.1	57.0	57.3	58.0	59.1	58.2	62.2
12 Q	59.2	63.9	62.2	61.6	61.8	61.2	60.5	60.3	60.4	61.2	61.3	62.2	62.3	63.2	64.1	65.0	65.1	63.1	61.6	59.2	57.9	58.2	58.8	58.5	61.4
13 Q	59.5	61.3	62.6	62.1	61.6	61.3	60.9	60.5	60.8	60.8	60.9	61.3	61.9	62.3	63.1	65.1	65.3	62.4	60.3	59.1	57.9	57.2	57.2	58.0	61.0
14	59.3	60.4	62.0	62.8	62.0	61.3	61.0	60.5	60.6	61.0	61.5	61.7	63.1	63.4	65.3	67.3	64.2	63.1	59.5	59.3	56.5	57.5	59.0	59.8	61.3
15 D	60.3	61.1	61.9	62.3	62.3	65.1	55.2	58.5	62.1	60.2	60.2	61.8	65.2	92.1	76.2	75.2	71.4	65.9	60.7	54.2	54.3	50.2	46.3	52.2	62.3
16 D	55.1	58.5	69.7	64.2	63.9	70.2	72.6	59.4	63.5	59.1	54.5	50.1	55.4	64.7	68.8	66.5	62.2	58.1	54.2	54.2	57.0	59.0	59.3	58.9	60.8
17	64.6	61.1	60.8	68.3	62.5	61.2	61.3	61.0	61.3	61.0	60.3	60.2	63.9	65.1	62.3	65.1	67.0	64.6	61.9	59.6	59.2	59.2	59.6	60.2	62.1
18 Q	60.9	61.5	61.5	61.4	61.2	61.1	61.2	61.1	61.2	61.1	61.3	61.2	62.2	61.7	62.2	62.7	63.0	61.6	59.9	58.9	58.6	58.2	59.7	60.3	61.0
19	61.0	61.2	61.3	61.2	61.2	61.1	61.1	61.0	60.9	61.0	60.8	60.3	61.2	60.8	63.1	63.2	63.2	60.4	58.2	56.3	56.8	56.5	57.5	59.3	60.4
20 Q	61.0	61.3	61.2	61.0	60.7	60.8	60.6	56.3	61.8	62.5	62.1	62.2	62.2	62.3	63.2	63.8	64.3	62.7	61.5	60.3	60.2	60.7	60.9	60.4	61.4
21	60.2	60.3	60.9	61.0	61.2	61.4	83.0	73.8	64.6	63.2	69.3	72.6	71.1	62.2	68.6	64.4	59.3	56.3	53.1	45.7	50.3	53.9	58.5	56.5	62.1
22 D	59.4	59.3	63.5	66.3	69.4	55.1	69.4	57.5	61.0	58.6	62.3	50.1	59.3	65.7	70.9	64.2	61.1	56.4	57.0	55.3	54.9	61.2	61.3	62.0	60.9
23	63.3	63.7	72.2	77.3	71.9	64.2	45.2	58.3	54.1	61.2	54.0	51.1	65.2	65.5	63.1	64.8	64.0	63.9	60.4	58.3	57.4	59.2	59.7	62.3	61.7
24	62.1	63.0	62.2	65.2	69.2	63.3	61.2	63.4	61.0	66.9	62.3	56.8	50.2	60.2	67.4	65.3	61.2	58.7	53.3	53.2	55.6	59.3	62.4	61.3	61.0
25	63.4	63.2	65.5	66.7	65.8	61.1	44.0	66.1	63.0	54.1	51.4	64.4	65.1	54.6	64.4	64.3	64.2	64.5	60.8	59.1	57.9	58.4	59.5	61.3	61.0
26	62.1	64.2	63.0	62.5	62.0	61.2	60.8	60.1	59.7	61.2	59.7	61.4	60.2	57.4	62.5	63.4	65.0	61.2	58.8	57.9	58.2	58.7	60.3	61.2	60.9
27	61.3	62.2	62.0	65.4	65.8	63.2	60.3	51.1	58.2	60.3	59.2	63.9	63.2	62.7	63.0	63.5	62.4	53.1	53.4	53.4	55.1	56.1	59.4	60.3	59.9
28	61.3	62.2	62.5	64.0	63.7	65.6	63.3	59.0	58.3	61.3	62.2	53.6	65.2	67.8	68.0	64.0	62.2	56.4	54.1	54.9	56.0	58.2	59.8	60.9	61.0
29	62.1	62.4	62.0	61.7	61.5	61.4	60.3	61.1	61.2	60.3	62.7	65.1	72.3	68.1	67.5	66.4	63.1	62.2	59.1	56.8	54.4	58.0	59.4	60.3	62.1
30 D	60.4	57.3	62.2	72.3	63.4	64.3	69.2	50.9	69.3	52.4	48.8	74.2	76.5	65.3	59.9	64.2	66.4	63.6	61.0	58.9	59.2	59.3	58.5	61.2	62.4
31																									
Mean	60.6	61.2	62.7	63.5	63.7	63.1	62.6	61.0	61.7	60.4	59.7	60.1	63.5	64.2	64.9	64.8	64.0	61.8	59.4	57.4	57.3	57.7	58.6	59.3	61.4

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 79 Meanook

$z = 58,000 \gamma +$

November 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	744	744	745	757	763	746	735	725	712	639	656	723	733	732	731	731	731	726	726	727	733	744	745	749	729	
2	749	744	744	743	735	732	730	724	726	711	635	626	666	703	720	739	730	730	732	736	743	757	764	824	727	
3	776	753	743	743	739	737	709	670	646	669	605	579	621	649	701	719	729	731	727	725	733	744	753	758	707	
4	762	744	743	743	754	709	719	681	614	605	613	603	659	675	655	719	731	721	730	735	744	743	729	743	703	
5	740	740	734	734	740	753	718	613	723	697	722	744	741	741	739	739	738	738	736	733	735	740	737	733	730	
6 D	732	733	753	752	776	764	749	678	690	675	710	725	731	726	721	727	726	724	729	748	754	767	765	754	734	
7	744	764	777	746	757	738	737	731	732	700	558	558	639	695	697	735	733	732	731	732	733	737	733	733	716	
8	733	732	732	732	739	744	746	744	731	718	700	664	691	721	720	724	732	732	723	724	732	732	731	733	725	
9	734	735	739	738	733	732	731	731	731	730	730	730	729	730	730	732	730	729	729	729	730	732	732	733	731	
10 Q	738	738	737	737	736	732	730	730	729	729	728	728	728	728	729	729	729	726	726	730	729	730	729	728	731	
11	729	728	730	730	731	736	687	588	666	648	673	685	703	702	729	728	731	721	720	728	731	731	732	736	709	
12 Q	736	742	743	742	733	731	730	730	729	730	730	730	730	725	724	724	729	730	731	733	733	733	731	731	732	
13 Q	731	730	730	730	729	729	728	728	728	728	728	728	726	726	729	729	728	721	721	724	729	729	730	730	728	
14	730	731	731	731	729	728	726	726	726	726	721	720	722	729	724	722	725	728	721	723	743	737	733	731	728	
15 D	730	728	728	728	730	718	735	744	705	725	726	634	321	353	687	747	739	731	731	731	752	756	769	788	697	
16 D	796	792	856	820	762	760	702	699	753	752	668	614	720	722	719	721	722	744	740	734	743	745	745	753	741	
17	768	743	753	752	738	732	732	731	728	726	709	718	717	729	731	732	745	738	734	735	736	736	735	733	735	
18 Q	732	731	731	731	731	731	731	731	731	731	731	731	729	731	731	731	730	728	726	729	731	731	731	731	730	
19	731	731	731	731	731	731	731	731	731	731	731	728	729	721	724	728	728	723	720	725	731	739	738	733	729	
20 Q	732	730	728	728	728	731	738	687	750	737	731	730	725	720	725	726	724	720	720	721	723	724	724	724	726	
21	724	724	730	736	742	738	644	614	582	570	601	591	640	721	691	716	719	738	734	718	728	732	732	742	692	
22 D	751	784	807	795	696	486	617	505	509	627	605	634	544	507	607	686	742	733	749	744	747	774	765	764	674	
23	763	758	771	738	730	731	687	678	579	586	576	615	657	690	716	722	720	740	733	733	733	746	743	744	704	
24	753	744	739	742	733	729	733	687	615	657	709	612	591	628	657	718	720	719	720	721	736	743	751	750	704	
25	746	751	758	770	739	709	608	631	686	609	567	644	655	654	704	724	720	725	730	736	740	735	743	743	701	
26	740	740	738	734	732	734	732	729	720	722	726	722	719	709	720	732	732	731	731	733	734	733	733	735	730	
27	733	732	734	738	748	749	716	648	665	704	709	721	720	723	724	720	718	712	709	720	728	731	736	738	720	
28	737	734	736	737	738	732	711	710	700	718	712	661	700	710	713	716	712	708	709	717	726	731	731	731	718	
29	732	732	729	728	729	730	730	731	720	696	652	645	690	717	718	719	720	719	722	724	730	733	733	733	717	
30 D	731	742	816	782	775	491	537	402	522	645	508	641	582	539	668	740	742	731	731	734	732	738	743	740	667	
31																										
Mean	743	742	749	745	739	718	709	682	686	688	672	673	675	685	709	726	728	728	727	729	735	739	740	743	717	

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 80 Meanook

H = 12,000 γ +

December 1962

Day	Hour U. T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
		to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1		1084	1079	1065	1066	1068	1069	1068	1066	1057	1031	1059	1066	1075	1080	1072	1054	1063	1066	1060	1051	1061	1066	1070	1073	1065	
2	Q	1074	1075	1074	1073	1066	1068	1066	1066	1066	1043	1066	1072	1070	1073	1070	1068	1073	1069	1066	1066	1066	1066	1064	1067	1074	1068
3		1079	1077	1073	1072	1067	1073	1074	1073	1073	1073	1074	1076	1079	1079	1081	1081	1080	1067	1057	1064	1070	1075	1081	1088	1074	
4		1089	1088	1084	1090	1092	1090	1085	1069	1019	890	987	808	1025	1068	992	1027	997	1004	1051	1071	1066	1066	1074	1085	1038	
5		1076	1088	1088	1078	1080	1073	1069	1064	1063	1052	1044	1069	1073	1068	1054	1072	1081	1075	1068	1067	1066	1066	1071	1074	1070	
6	Q	1076	1080	1079	1074	1073	1066	1070	1072	1072	1073	1074	1075	1077	1074	1075	1081	1076	1070	1065	1062	1066	1073	1074	1076	1073	
7	Q	1080	1080	1077	1074	1073	1074	1075	1075	1074	1073	1074	1076	1082	1081	1081	1081	1078	1076	1072	1066	1066	1070	1077	1084	1076	
8		1088	1088	1085	1081	1077	1073	1074	1077	1036	1040	1041	1057	1073	1072	1058	1074	1080	1073	1063	1058	1058	1058	1068	1073	1068	
9		1082	1082	1080	1075	1066	1084	1073	1073	1073	1064	1058	1064	1078	1081	1080	1082	1080	1073	1070	1070	1069	1075	1073	1080	1074	
10		1085	1082	1080	1079	1075	1077	1078	1078	1079	1078	1077	1077	1076	1075	1073	1070	1066	1058	1054	1052	1060	1061	1052	1072	1071	
11	D	1074	1086	1088	1081	1101	1110	1133	1077	1051	895	982	1034	1042	1026	987	1006	1012	1024	1022	1031	1096	1078	1071	1080	1049	
12		1093	1084	1099	1089	1077	1063	1057	1058	1057	1057	1060	1062	1064	1064	1066	1066	1067	1058	1051	1034	1024	1058	1064	1069	1064	
13		1104	1111	1083	1097	1093	1097	1090	1066	1044	916	1039	1058	1047	937	1013	1078	1077	1064	1064	1066	1078	1069	1058	1071	1059	
14		1081	1081	1077	1081	1083	1077	1075	1076	1067	1043	1003	998	1077	1074	1061	1066	1066	1054	1058	1059	1059	1069	1062	1082	1064	
15		1085	1083	1105	1082	1104	1075	1052	1027	1059	1068	1060	1074	1072	1075	1076	1077	1074	1067	1059	1059	1063	1064	1067	1070	1071	
16		1074	1080	1081	1078	1074	1074	1073	1076	1074	1070	1067	1074	1074	1070	1079	1086	1083	1077	1074	1069	1067	1074	1076	1074	1075	
17	D	1071	1078	1083	1081	1081	1076	1077	1074	1058	1027	1073	1069	1076	1071	1074	1064	1001	955	1012	1045	1070	1221	1217	1161	1075	
18	D	1223	1222	1206	1151	1054	1027	1034	1038	1042	1041	988	903	965	987	881	846	1034	1011	1035	1031	1067	1050	1052	1063	1040	
19	D	1093	1109	1151	1093	945	1053	1049	729	877	1044	964	932	929	965	1037	1020	1040	1034	1024	1026	1044	1059	1045	1074	1014	
20	D	1067	1074	1075	1093	1064	1086	1073	1038	1035	942	809	987	1022	1038	1002	1043	1019	1035	1021	1020	1081	1097	1068	1079	1036	
21		1070	1106	1084	1107	1108	1076	1079	1035	1011	996	1037	1050	1005	989	1020	1083	1057	1058	1049	1053	1052	1050	1063	1069	1054	
22		1080	1067	1063	1065	1074	1073	1067	1064	1026	1045	973	1033	1082	1073	1059	1064	1074	1067	1059	1053	1052	1060	1059	1064	1058	
23	Q	1071	1074	1074	1068	1069	1073	1073	1074	1069	1067	1063	1072	1072	1074	1074	1075	1074	1067	1060	1057	1053	1056	1060	1067	1068	
24		1069	1070	1071	1071	1071	1071	1067	1059	1065	1068	1065	1066	1067	1069	1067	1065	1071	1068	1063	1055	1056	1061	1068	1075	1067	
25	Q	1074	1074	1074	1072	1068	1071	1072	1074	1074	1074	1074	1074	1079	1078	1078	1081	1083	1077	1073	1065	1066	1067	1074	1075	1074	
26		1078	1082	1082	1081	1077	1067	1065	1065	1059	998	954	1005	922	867	1004	1105	1081	1066	1063	1062	1050	1043	1067	1071	1042	
27		1085	1083	1076	1073	1068	1065	1061	1065	1071	1068	1067	1067	1074	1074	1073	1074	1074	1072	1066	1058	1062	1060	1074	1081	1071	
28		1082	1081	1078	1074	1073	1073	1069	1067	1071	1074	1075	1074	1077	1066	1077	1083	1077	1074	1067	1066	1061	1060	1067	1071	1072	
29		1074	1080	1080	1075	1065	1060	1063	1064	1064	1066	1070	1073	1067	1062	1066	1082	1081	1074	1066	1063	1064	1065	1066	1074	1069	
30		1081	1080	1076	1074	1071	1070	1070	1070	1072	1066	1067	1077	1080	1080	1081	1083	1082	1079	1073	1074	1073	1072	1074	1073	1075	
31		1080	1083	1082	1080	1080	1080	1080	1077	1072	889	817	982	1058	1070	1034	1034	1080	1073	1067	1068	1071	1066	1073	1078	1049	
Mean		1085	1087	1086	1082	1072	1073	1071	1054	1053	1030	1028	1039	1053	1050	1050	1060	1064	1058	1056	1056	1063	1070	1072	1076	1062	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 81 Meanook

D = 23° E + ... *

December 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	62.6	62.7	63.5	63.3	62.1	61.9	61.5	61.1	60.4	55.2	59.0	64.1	63.6	64.1	63.1	61.0	60.2	60.0	56.4	56.7	56.0	58.0	59.2	60.7	60.7	
2 Q	61.4	61.8	61.8	61.8	61.4	61.5	61.7	60.7	61.0	56.1	58.8	62.2	62.1	62.2	62.1	61.1	63.5	61.5	58.5	57.5	57.6	58.0	58.5	59.6	60.5	
3	61.3	61.6	61.9	61.7	63.5	60.9	60.7	60.7	60.4	60.2	60.9	61.2	61.2	61.8	63.0	65.5	65.1	64.6	62.1	61.1	59.7	59.0	59.2	60.0	61.6	
4	60.2	61.1	61.8	61.8	61.4	61.2	60.8	62.2	69.2	70.3	66.2	75.8	71.1	66.4	45.1	49.2	55.8	51.7	55.0	55.9	54.1	57.7	57.9	56.3	60.3	
5	55.9	59.2	58.2	61.7	62.5	62.1	62.2	61.9	60.3	59.9	57.3	60.0	64.0	63.2	61.9	61.4	65.2	64.1	62.6	60.9	60.0	59.1	59.3	59.4	60.9	
6 Q	60.1	61.0	61.1	62.0	62.1	62.0	62.5	62.3	59.0	60.0	60.8	60.8	62.0	62.4	61.4	62.4	64.1	63.3	62.1	61.0	60.3	59.4	60.1	60.1	61.3	
7 Q	60.2	60.1	60.8	61.1	60.6	62.1	61.4	61.2	61.2	61.3	61.5	63.3	63.0	63.6	61.2	61.5	62.1	61.6	60.1	58.4	58.1	57.1	58.2	59.9	60.8	
8	60.5	61.1	60.2	61.2	61.5	61.1	62.6	62.8	63.2	61.1	67.3	66.1	67.1	64.1	56.1	60.6	60.7	56.0	52.1	52.7	53.2	54.2	56.7	57.2	60.0	
9	60.1	61.0	60.9	62.6	62.1	75.2	63.4	62.7	61.6	61.9	61.2	59.4	60.4	61.3	62.2	62.2	61.8	61.4	60.2	60.0	60.1	59.1	60.7	60.3	61.7	
10	60.6	61.0	61.3	61.4	61.3	61.1	61.0	60.7	60.6	61.0	61.6	61.6	61.7	62.2	62.5	63.3	63.7	60.1	56.8	54.1	54.7	57.7	56.1	56.2	60.1	
11 D	60.6	56.3	56.1	62.2	70.5	54.2	58.1	59.4	64.0	54.8	56.2	66.0	69.6	70.2	49.3	51.1	48.9	50.3	56.1	54.0	53.0	55.2	55.4	53.5	57.7	
12	60.4	60.3	59.6	64.2	58.3	59.7	60.5	61.1	61.0	61.7	61.9	61.2	61.1	61.3	62.1	62.9	63.1	62.2	62.0	52.2	50.1	52.0	51.4	55.5	59.4	
13	59.1	56.7	64.3	58.2	62.5	65.2	63.4	61.7	61.0	49.1	67.5	70.2	69.4	58.5	66.4	71.0	64.2	63.1	60.9	59.6	56.1	56.2	55.1	59.3	61.6	
14	59.4	57.1	59.6	66.7	61.1	63.0	62.6	62.0	62.9	57.1	61.8	67.5	69.5	65.7	66.2	61.6	62.9	59.2	58.4	58.2	57.6	57.9	57.4	58.0	61.4	
15	56.8	59.2	60.3	63.1	74.0	68.4	54.0	52.5	58.0	60.5	57.2	61.9	62.3	62.2	62.3	63.2	63.3	63.1	60.1	57.6	57.1	57.7	58.4	59.6	60.5	
16	60.0	60.6	61.4	62.2	62.2	62.0	61.5	62.2	61.0	61.1	60.1	64.0	63.8	59.3	57.8	61.5	62.9	62.6	61.0	60.4	60.1	59.8	59.8	60.1	61.1	
17 D	60.6	61.0	61.6	62.1	62.1	62.1	61.6	61.8	62.2	56.8	62.5	65.0	63.3	58.8	61.0	55.2	55.0	40.6	26.0	55.3	57.9	61.7	51.1	57.2	57.6	
18 D	62.2	64.1	79.0	68.1	65.1	63.0	68.0	64.7	59.2	58.3	55.7	49.4	56.8	60.4	60.2	51.1	61.5	55.8	58.1	60.0	62.5	53.7	56.0	60.2	60.5	
19 D	62.7	66.5	66.5	70.7	51.2	68.7	65.3	67.1	63.0	63.7	64.5	70.1	66.9	58.2	59.2	57.3	57.7	55.3	58.5	59.9	53.1	56.2	60.9	62.4	61.9	
20 D	62.9	65.1	70.2	67.0	71.9	65.1	62.8	64.9	64.9	60.5	69.0	61.3	61.6	62.7	57.8	60.1	54.5	56.5	55.0	53.2	57.3	63.0	64.6	59.5	62.1	
21	62.2	65.0	62.6	61.2	64.9	66.3	72.7	67.3	65.0	58.2	61.2	63.2	63.8	54.1	51.1	59.7	57.9	58.8	57.1	61.0	56.7	56.1	59.3	60.6	61.1	
22	61.1	60.4	62.1	65.1	66.2	63.0	61.4	61.5	52.5	60.1	55.6	55.1	61.5	61.1	60.1	60.1	61.1	62.4	62.1	61.2	59.6	59.1	58.1	61.2	60.5	
23 Q	61.1	60.1	61.2	62.0	65.1	63.2	62.0	61.4	61.1	58.8	62.6	61.4	60.0	60.0	61.2	63.1	63.6	63.5	62.9	61.9	61.1	61.0	60.1	59.8	61.6	
24	60.4	61.0	61.1	61.4	61.3	61.1	60.5	62.2	63.0	61.3	61.7	61.0	63.1	59.8	61.1	59.1	62.1	62.0	61.4	60.2	59.0	58.8	59.2	60.0	60.9	
25 Q	61.1	62.3	62.0	62.2	63.1	63.2	61.6	60.5	60.1	60.1	60.1	61.0	61.0	60.3	61.2	62.1	63.2	62.6	61.4	60.1	58.7	58.1	58.9	59.5	61.0	
26	60.2	61.1	61.9	62.3	62.3	61.1	62.9	64.2	58.0	49.0	60.1	65.2	68.0	59.1	52.7	59.3	56.7	57.2	59.2	59.2	56.0	56.0	57.5	61.2	59.6	
27	59.1	61.2	62.4	63.1	62.9	61.9	61.5	65.1	61.0	60.2	60.7	60.1	61.0	61.0	61.3	62.0	63.0	61.7	60.1	57.6	55.7	57.1	58.6	59.2	60.7	
28	61.1	61.3	62.0	62.1	61.8	61.0	60.2	60.9	61.2	60.5	60.5	62.1	62.5	57.4	56.7	63.5	62.5	63.1	60.7	58.9	57.1	56.6	57.1	57.5	60.3	
29	60.8	61.3	62.2	62.3	65.0	65.2	62.0	60.4	59.1	60.7	61.1	60.6	62.0	58.1	60.7	64.4	61.4	60.5	60.0	59.0	58.2	58.1	58.5	60.0	60.9	
30	60.6	60.6	61.0	61.9	62.0	61.6	61.7	60.7	60.6	59.3	58.0	60.1	60.4	60.1	60.6	61.1	62.2	62.0	61.1	60.0	57.8	56.5	57.0	58.2	60.2	
31	58.2	59.7	59.3	60.6	61.2	61.1	62.1	63.4	61.8	50.9	79.3	85.2	71.2	63.6	62.3	61.2	62.0	57.7	56.7	60.6	59.5	56.0	57.9	59.6	62.2	
Mean	60.4	61.0	62.2	62.8	63.0	62.9	62.1	62.0	61.2	59.0	61.7	63.4	63.7	61.4	59.7	60.6	61.0	59.5	58.2	58.3	57.4	57.6	58.0	59.1	60.7	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 82 Meanook

z = 58,000 γ +

December 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	743	743	742	739	733	733	732	731	716	677	694	709	721	721	724	719	721	723	721	731	738	735	735	735	726	
2 Q	732	731	730	731	731	730	734	731	724	708	708	730	729	729	728	731	732	730	729	731	733	734	734	735	729	
3	734	733	732	733	734	732	733	732	731	731	731	731	730	724	725	728	730	730	731	735	734	734	733	732	731	
4	729	727	727	728	722	721	721	718	653	511	513	407	590	657	572	618	634	638	724	720	720	730	733	747	665	
5	757	760	746	733	730	728	730	730	723	705	665	720	729	721	707	717	720	720	725	728	730	734	732	731	726	
6 Q	731	731	730	731	731	733	738	731	710	725	728	730	728	725	725	730	730	729	730	731	731	730	729	729	729	
7 Q	729	730	730	731	733	733	731	730	727	716	720	719	719	716	719	720	719	718	722	722	728	729	730	725		
8	729	727	727	728	729	730	730	696	621	611	665	677	689	703	698	703	707	704	708	714	720	722	731	738	704	
9	742	744	751	761	756	751	742	732	730	720	711	696	718	720	720	719	716	716	718	718	719	722	722	722	728	
10	721	721	721	721	720	720	721	721	721	720	720	720	718	719	719	720	719	719	717	719	728	731	739	782	724	
11 D	755	763	774	773	743	796	754	704	699	664	666	682	670	634	623	621	647	688	710	752	749	757	762	791	716	
12	771	757	737	795	750	734	738	739	735	733	732	730	730	730	730	730	730	729	729	724	727	734	742	750	739	
13	786	782	775	767	794	803	796	752	724	620	673	697	689	647	659	704	722	728	731	732	739	737	752	752	732	
14	749	752	760	788	757	750	748	741	738	692	642	612	686	719	707	737	730	714	721	729	731	738	734	744	726	
15	749	762	777	788	752	718	605	658	697	714	718	730	729	729	729	729	727	727	724	727	731	736	736	737	726	
16	735	731	731	730	730	730	729	720	719	718	716	721	719	718	727	735	730	729	728	728	730	731	730	730	727	
17 D	729	727	728	730	728	725	722	718	659	590	691	707	717	697	694	697	677	697	672	747	786	849	849	807	723	
18 D	858	816	737	826	770	725	706	686	676	709	675	575	618	658	629	718	751	734	763	793	837	796	770	757	733	
19 D	822	837	810	771	590	591	683	560	590	683	637	646	646	731	701	703	751	747	772	778	758	759	757	774	712	
20 D	762	773	768	716	653	737	738	708	561	579	519	666	665	679	705	714	715	756	774	756	791	815	781	782	713	
21	772	773	755	757	751	741	697	688	666	654	675	709	676	693	666	731	717	731	744	777	781	758	742	734	724	
22	744	742	743	750	743	742	734	721	637	676	637	669	711	720	719	720	732	734	740	742	740	742	743	742	722	
23 Q	740	738	742	743	744	737	734	729	720	707	717	721	722	725	731	731	729	731	731	731	731	731	731	731	730	
24	731	731	732	731	731	731	730	726	720	728	720	716	712	720	711	725	729	731	730	730	732	732	737	735	727	
25 Q	732	732	732	732	736	737	733	730	726	726	722	715	720	723	728	730	729	726	723	723	723	723	728	728	727	
26	730	730	730	730	730	731	731	713	699	590	585	665	587	547	535	687	697	720	729	736	742	745	764	773	693	
27	740	738	732	731	731	730	732	731	724	723	723	722	724	726	723	731	731	729	726	728	731	732	736	734	729	
28	732	731	732	731	731	731	731	729	728	728	725	715	711	711	715	728	721	721	721	725	729	731	733	731	726	
29	731	732	732	731	732	736	732	731	723	726	726	725	719	708	704	720	726	722	722	722	725	730	731	731	726	
30	731	730	730	730	730	729	731	729	725	720	718	724	725	724	725	728	726	724	729	726	726	726	730	731	727	
31	732	731	731	731	731	738	739	740	717	604	499	593	671	703	660	656	742	697	716	716	719	724	729	728	698	
Mean	748	747	744	746	731	732	728	716	698	681	676	686	697	703	695	712	719	721	728	735	740	743	743	745	721	

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

Hour Month Season	U. T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
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HORIZONTAL INTENSITY (gammas) (All Days)

Table 83 Meanook

1962

January	+13	+11	+11	+15	+13	+5	+4	-4	-6	-21	-17	-17	-20	-16	0	+10	+7	0	-5	-6	-4	+2	+10	
February	+18	+16	+18	+16	+14	+12	+14	+10	+1	-23	-20	-31	-15	-10	-6	+5	+1	-8	-9	-5	-1	+4	+10	
March	+8	+10	+11	+13	+18	+15	+12	+4	+6	-1	-2	-8	-27	-17	+2	+6	+1	-9	-16	-16	-12	-7	-1	+4
April	+33	+34	+30	+35	+30	+16	-5	-18	-43	-58	-39	-45	-15	+2	-1	-1	-6	-8	-5	+2	+5	+16	+22	+26
May	+23	+21	+18	+18	+16	+16	+12	+5	0	-6	-12	-17	-23	-9	-6	-10	-16	-20	-22	-14	-4	+3	+11	+20
June	+36	+33	+26	+18	+20	+14	0	-14	-35	-38	-25	-22	-11	+1	+11	+6	-1	-14	-23	-20	-10	+4	+14	+26
July	+30	+32	+29	+25	+17	+13	-19	-22	-20	-7	-23	-26	+1	0	+3	+2	-4	-13	-19	-15	-14	-6	+9	+23
August	+49	+50	+51	+35	+26	+11	-9	-59	-85	-49	-32	-30	-28	-8	+3	+5	-8	-13	-9	-1	+7	+20	+32	+39
September	+35	+33	+43	+50	+32	+33	-3	-49	-82	-65	-100	-48	0	+2	+5	0	-7	-9	-9	+4	+20	+31	+40	+47
October	+38	+50	+53	+43	+44	+31	+5	-19	-39	-64	-85	-94	-61	-20	-8	+12	+8	0	-5	+5	+13	+26	+31	+30
November	+23	+23	+33	+27	+28	+9	+3	-29	-24	-39	-53	-47	-34	-13	+8	+15	+12	+6	-1	+1	+6	+9	+14	+20
December	+23	+25	+24	+20	+10	+11	+9	-8	-9	-32	-34	-23	-9	-12	-12	-2	+2	-4	-6	-6	+1	+8	+10	+14
Year	+27.4	+28.3	+28.9	+25.9	+22.5	+16.2	+2.0	-16.2	-27.8	-32.3	-37.2	-33.2	-19.9	-8.7	-1.4	+2.3	-0.3	-6.3	-10.2	-6.2	+0.1	+8.2	+15.7	+22.4
Winter	+19.2	+19.2	+21.5	+18.5	+16.8	+11.2	+7.8	-5.7	-9.0	-25.0	-32.0	-29.5	-18.8	-13.8	-6.5	+2.0	+7.3	+2.5	-3.7	-4.8	-1.0	+3.0	+7.5	+13.5
Equinox	+28.5	+31.8	+34.2	+35.2	+31.0	+23.8	+2.2	-20.5	-39.5	-47.0	-56.5	-48.8	-25.7	-8.2	-0.5	+4.2	-1.0	-6.5	-8.7	-1.3	+6.5	+16.5	+23.0	+26.7
Summer	+34.5	+34.0	+31.0	+24.0	+19.7	+13.5	-4.0	-22.5	-35.0	-25.0	-23.0	-21.3	-15.2	-4.0	+2.8	+0.7	-7.2	-15.0	-18.2	-12.5	-5.2	+5.2	+16.5	+27.0

DECLINATION (minutes) (All Days)

Table 84 Meanook

1962

January	-1.3	-0.8	+0.2	+1.1	+1.7	+1.2	+1.1	+1.4	-0.6	-0.6	-0.7	+0.6	-0.8	-0.2	+0.1	+1.3	+2.0	+2.5	+1.4	+0.2	-1.7	-3.1	-3.1	-2.5
February	-1.5	-1.5	-1.0	-0.2	+0.5	+0.6	+0.4	-0.1	-0.6	-0.4	+0.5	+2.6	+2.3	+2.5	+2.1	+2.4	+2.8	+2.4	+0.2	-2.7	-3.5	-3.4	-3.0	-2.5
March	-3.0	-2.7	-1.9	-0.8	+0.6	0.0	+0.7	+0.9	+1.2	+0.3	+0.5	+0.3	+0.4	+3.1	+3.5	+5.0	+5.1	+3.7	+0.9	-2.0	-3.5	-4.2	-3.9	-3.4
April	-4.3	-3.7	-1.6	-0.1	+0.9	+0.1	+0.2	+0.6	+0.8	+1.4	+1.5	+3.6	+4.0	+4.2	+5.9	+5.8	+4.7	+2.1	-0.5	-3.2	-5.2	-5.6	-5.7	-5.3
May	-5.3	-3.9	-1.9	-0.8	-1.4	-0.8	-0.2	-0.1	-0.1	0.0	+0.9	+2.3	+5.0	+7.5	+8.5	+9.4	+7.2	+4.3	-0.4	-3.9	-5.8	-7.1	-7.5	-6.5
June	-4.3	-3.2	-2.4	-0.8	-0.1	-0.9	-0.5	-3.0	-2.5	-0.3	-0.1	+2.6	+5.7	+8.9	+9.5	+9.6	+8.1	+5.4	+1.4	-3.9	-7.0	-7.6	-7.6	-6.1
July	-4.3	-3.7	-2.2	-1.2	-0.3	+0.7	+0.6	-1.9	-1.6	-0.4	-1.2	-0.7	+3.2	+7.1	+8.7	+9.2	+8.2	+5.7	+0.7	-3.0	-5.5	-6.7	-6.4	-5.6
August	-2.5	-1.7	-0.6	+1.3	+1.6	+1.5	-0.8	-0.1	-4.7	-0.8	-0.2	-0.1	+3.2	+5.2	+9.0	+8.9	+6.5	+2.6	-2.0	-4.9	-6.7	-6.6	-6.2	-4.5
September	-1.2	-1.1	+0.5	+3.3	+3.1	-0.1	-1.2	-4.4	-3.7	+0.9	+1.0	+1.1	+4.0	+5.7	+6.1	+5.9	+3.9	0.0	-3.2	-5.3	-5.4	-4.7	-3.8	-1.8
October	-0.9	+0.5	+2.5	+2.2	+4.1	+3.0	+0.8	-1.0	-0.9	-0.8	+0.2	+2.0	+0.2	+0.3	+1.4	+2.6	+2.1	+0.6	-2.8	-4.4	-4.0	-3.7	-2.6	-2.4
November	-0.8	-0.2	+1.3	+2.1	+2.3	+1.7	+1.2	-0.4	+0.3	-1.0	-1.7	-1.3	+2.1	+2.8	+3.5	+3.4	+2.6	+0.4	-2.0	-4.0	-4.1	-3.7	-2.8	-2.1
December	-0.3	+0.3	+1.5	+2.1	+2.3	+2.2	+1.4	+1.3	+0.5	-1.7	+1.0	+2.7	+3.0	+0.7	-1.0	-0.1	+0.3	-1.2	-2.5	-2.4	-3.3	-3.1	-2.7	-1.6
Year	-2.5	-1.7	-0.5	+0.7	+1.3	+0.8	+0.3	-0.6	-1.0	-0.3	+0.1	+1.3	+2.7	+4.1	+4.8	+5.3	+4.5	+2.4	-0.7	-3.3	-4.6	-5.0	-4.6	-3.7
Winter	-1.0	-0.5	+0.5	+1.3	+1.7	+1.4	+1.0	+0.5	-0.1	-0.9	-0.2	+1.2	+1.7	+1.4	+1.2	+1.8	+1.9	+1.0	-0.7	-2.2	-3.1	-3.3	-2.9	-2.2
Equinox	-2.4	-1.7	-0.1	+1.2	+2.2	+0.8	+0.1	-1.0	-0.7	+0.4	+0.8	+1.7	+2.1	+3.3	+4.2	+4.8	+4.0	+1.6	-1.4	-3.7	-4.5	-4.5	-4.0	-3.2
Summer	-4.1	-2.9	-1.8	-0.4	0.0	+0.1	-0.2	-1.3	-2.2	-0.4	-0.2	+1.0	+4.3	+7.7	+8.9	+9.3	+7.5	+4.5	-0.1	-3.9	-6.2	-7.2	-6.9	-5.7

VERTICAL INTENSITY (gammas) (All Days)

Table 85 Meanook

1962

January	+11	+10	+11	+15	+7	+15	+8	0	-13	-17	-19	-18	-21	-23	-6	+2	0	+2	+5	+6	+6	+8	+10	+11
February	+16	+16	+19	+19	+18	+17	+13	+1	-18	-26	-21	-31	-30	-31	-14	-12	-2	0	+6	+11	+12	+13	+15	+16
March	+13	+15	+17	+17	+17	+17	+9	-5	-13	-18	-18	-23	-38	-34	-15	-3	0	+3	+3	+6	+7	+10	+12	+12
April	+34	+33	+31	+35	+33	+11	-18	-23	-41	-46	-51	-41	-28	-14	-18	-6	-2	+2	+7	+12	+18	+24	+29	+30
May	+19	+18	+18	+17	+18	+16	+9	-3	-14	-21	-26	-19	-26	-23	-16	-8	-7	-3	-2	+1	+5	+11	+18	+20
June	+34	+37	+37	+33	+26	+12	-1	-21	-48	-51	-41	-32	-21	-15	-1	-1	-2	-4	-3	-1	+5	+11	+16	+26
July	+35	+36	+36	+37	+22	+7	-27	-37	-29	-29	-27	-28	-16	-15	-13	-9	-6	-5	-3	+1	+6	+15	+26	+31
August	+47	+52	+47	+39	+25	-10	-44	-68	-68	-30	-43	-31	-31	-19	-5	+2	0	+5	+7	+12	+18	+25	+36	+40
September	+34	+37	+35	+32	+10	-3	-25	-54	-51	-51	-48	-33	-20	-13	-9	-10	-3	+2	+8	+21	+30	+33	+36	+37
October	+43	+53	+50	+42	+28	+9	-7	-35	-53	-77	-85	-67	-51	-28	-17	+3	+10	+14	+19	+24	+31	+36	+35	+35
November	+26	+25	+32	+28	+22	+1	-8	-36	-31	-29	-45	-44	-42	-32	-8	+9	+11	+11	+10	+12	+18	+22	+23	+26
December	+27	+26	+23	+25	+10	+11	+7	-5	-23	-40	-45	-35	-24	-18	-26	-9	-2	0	+7	+14	+19	+22	+22	+24
Year	+28.2	+29.8	+29.7	+28.2	+19.7	+8.6	-7.0	-23.7	-33.5	-36.2	-39.1	-33.5	-29.0	-22.1	-12.3	-3.5	-0.2	+2.2	+5.3	+9.9	+14.6	+19.2	+23.2	+25.7
Winter	+20.0	+19.2	+21.3	+21.7	+14.3	+11.0	+5.0	-9.7	-21.2	-28.0	-32.5	-32.0	-29.3	-26.0	-13.5	-2.5	+1.8	+3.2	+7.0	+10.7	+13.8	+16.3	+17.5	+19.3
Equinox	+31.0	+34.5	+33.3	+31.5	+22.0	+8.5	-10.3	-29.2	-39.5	-48.0	-50.5	-41.0	-34.2	-22.3	-14.7	-4.0	+1.3	+5.2	+9.2	+15.7	+21.5	+25.8	+28.0	+28.5
Summer	+33.7	+35.7	+34.5	+31.5	+22.8	+6.3	-15.7	-32.2	-39.8	-32.7	-34.3	-27.5	-23.5	-18.0	-8.7	-4.0	-3.7	-1.7	-0.2	+3.3	+8.5	+15.5	+24.0	+29.3

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

Hour Month Season	U. T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	
HORIZONTAL INTENSITY (gammas) (Quiet Days)																									
Table 86 Meanook																									
January	+5	+6	+5	+3	+2	+1	0	0	+2	+3	+1	+2	+6	+7	+7	+6	+2	-3	-13	-17	-16	-10	-3	+4	
February	0	+4	+4	+4	+4	0	+2	+2	-1	+2	+3	-4	-1	+7	+9	+9	+5	-3	-12	-13	-11	-7	-2	+2	
March	0	+5	+4	+4	+7	+3	+2	+1	+1	+8	+10	+10	+10	+9	+9	+9	+2	-10	-18	-21	-19	-15	-9	-2	
April	+10	+8	+8	+5	+7	+9	+10	+11	+8	+5	+10	+10	+3	-12	-14	-3	-8	-19	-16	-11	-8	-8	-5	0	
May	+7	+9	+9	+5	+1	+1	0	+1	+2	+7	+8	+10	+12	+16	+12	+3	-10	-21	-24	-20	-17	-12	-4	+5	
June	+7	+7	+6	+1	+5	+3	+2	+3	+2	+3	+5	+10	+8	+13	+14	+6	-7	-19	-26	-25	-22	-9	0	+13	
July	+7	+16	+11	+5	+5	+4	-3	+2	0	+3	-1	+2	+8	+6	+8	+3	-7	-19	-23	-20	-18	-11	-4	+2	
August	+5	+7	+2	+4	+5	+6	+8	+7	+8	+9	+8	+3	+7	+5	+3	0	-12	-24	-27	-23	-15	-7	+11	+10	
September	+4	+3	0	+2	+5	+5	+7	+8	+6	+6	+5	+3	+4	0	+2	-5	-17	-21	-17	-13	-5	+1	+10	+8	
October	+20	+20	+19	+19	+20	+3	-7	-2	-22	-41	-30	-8	+5	+14	+11	+8	0	-10	-20	-14	-7	+4	+9	+10	
November	+2	+5	+6	+5	+5	+4	-2	0	+4	+3	+4	+4	+4	+4	+3	-2	-7	-12	-15	-14	-8	-2	+2	+3	
December	+3	+5	+4	0	-2	-1	-1	0	-1	-6	-1	+2	+4	+4	+4	+5	+5	0	-5	-8	-8	-6	-1	+4	
Year	+5.8	+7.9	+6.5	+4.8	+5.2	+3.2	+1.8	+2.7	+0.7	+0.2	+1.8	+3.7	+5.8	+6.1	+5.7	+3.2	-4.2	-12.4	-17.2	-16.6	-12.8	-6.8	+0.3	+4.9	
Winter	+2.5	+5.0	+4.8	+3.0	+1.8	+1.0	+0.7	+0.5	+1.0	+0.5	+1.7	+1.0	+3.2	+5.5	+5.8	+4.5	+1.2	-4.5	-11.3	-13.0	-10.7	-6.2	+1.0	+3.2	
Equinox	+8.5	+9.0	+7.7	+7.5	+9.8	+5.0	+3.0	+4.5	-1.8	-5.5	-1.3	+3.8	+5.5	+2.8	+2.0	+2.2	-5.8	-15.0	-17.8	-14.8	-9.7	-4.5	+1.2	+4.0	
Summer	+6.5	+9.7	+7.0	+3.8	+4.0	+3.5	+1.7	+3.2	+3.0	+5.5	+5.0	+6.3	+8.7	+10.0	+9.3	+3.0	-8.0	-17.7	-22.5	-22.0	-18.0	-9.7	+0.7	+7.5	
DECLINATION (minutes) (Quiet Days)																									
Table 87 Meanook																									
January	-1.1	-0.4	+0.2	+0.6	+0.5	+0.2	+0.1	+0.3	-0.3	-0.5	-0.7	-1.2	-0.6	0.0	+0.6	+1.6	+2.7	+3.0	+2.2	+0.8	-1.5	-2.8	-2.3	-1.6	
February	-0.7	-0.5	-0.3	0.0	+0.2	+0.8	+0.4	+0.3	-1.1	-1.4	-0.8	-1.0	-1.0	+1.3	+1.6	+3.0	+3.7	+3.2	+1.0	-0.4	-1.8	-2.3	-2.2	-1.9	
March	-2.4	-1.8	-1.5	-0.7	-0.8	-1.0	-0.6	+0.1	0.0	-0.2	-0.1	-0.3	-0.3	+0.4	+2.2	+4.8	+5.9	+5.8	+4.1	+0.5	-2.2	-3.8	-4.2	-3.8	
April	-3.0	-2.7	-1.5	-0.1	-0.3	-0.4	-0.4	-0.4	0.0	-0.4	+1.1	+1.9	+2.8	+3.9	+4.9	+6.8	+6.4	+4.3	+0.6	+2.3	-4.8	-6.2	-5.5	-4.8	
May	-4.4	-2.8	-1.1	-0.8	-1.5	-1.6	-0.5	-1.4	-1.5	-1.0	-0.8	+1.1	+3.9	+6.8	+8.9	+9.8	+8.6	+5.1	+0.8	-2.6	-5.2	-6.7	-7.1	-6.2	
June	-2.9	-1.4	-0.2	-0.6	-0.7	-1.3	-1.8	-1.8	-0.2	-0.2	+0.6	+1.7	+3.8	+7.2	+8.4	+8.8	+8.2	+5.1	+0.2	-4.3	-7.4	-7.9	-7.6	-5.6	
July	-3.6	-3.1	-1.7	-0.4	-1.6	-1.8	-0.6	-0.6	-1.3	-0.5	-0.6	+0.9	+3.7	+6.4	+7.7	+7.2	+6.0	+4.0	+1.0	-2.2	-4.8	-5.6	-4.9	-3.8	
August	-1.0	-1.2	-0.7	-0.3	-0.7	-1.1	-0.9	-0.8	-0.5	+0.4	+0.3	+1.1	+3.7	+6.4	+7.6	+7.6	+5.7	+1.4	-2.1	-4.8	-5.9	-5.9	-5.1	-3.3	
September	-0.4	-0.4	+1.0	-0.4	-0.1	+0.2	+1.0	-0.2	+0.4	+0.5	+0.8	+0.9	+1.7	+3.1	+5.9	+6.3	+4.2	-0.1	-2.0	-4.6	-5.2	-5.3	-4.0	-3.2	
October	-1.6	-1.0	-0.8	+0.3	+1.3	+0.2	+0.9	+2.4	+0.6	-0.3	+1.3	-0.4	-0.5	+2.3	+3.6	+4.6	+4.8	+3.6	-1.4	-4.6	-4.7	-4.5	-3.3	-3.1	
November	-0.9	+0.6	+0.7	+0.2	+1.0	-0.3	-0.4	-1.4	-0.2	+0.1	+0.1	+0.5	+1.0	+1.3	+2.0	+3.1	+3.3	+1.4	-0.2	-1.7	-2.5	-2.6	-1.9	-1.8	
December	-0.3	0.0	+0.3	+0.8	+1.4	+1.3	+0.8	+0.2	-0.6	-1.8	-0.3	+0.7	+0.6	+0.6	+0.4	+1.0	+2.2	+1.4	-0.1	-1.3	-1.9	-2.3	-1.9	-1.3	
Year	-1.9	-1.2	-0.5	-0.1	-0.2	-0.4	-0.2	-0.3	-0.4	0.4	+0.1	+0.5	+1.6	+3.3	+4.5	+5.4	+5.1	+3.2	+0.3	-2.3	-4.0	-4.7	-4.2	-3.4	
Winter	-0.8	-0.1	+0.2	+0.4	+0.5	+0.5	+0.2	-0.2	-0.5	-0.9	-0.4	-0.2	0.0	+0.8	+1.2	+2.2	+3.0	+2.3	+0.7	-0.7	-1.9	-2.5	-2.1	-1.7	
Equinox	-1.9	-1.5	-0.7	-0.2	0.0	-0.3	+0.2	+0.5	+0.2	-0.1	+0.8	+0.5	+0.9	+2.4	+4.2	+5.6	+5.3	+3.4	+0.3	-2.7	-4.2	-5.0	-4.3	-3.7	
Summer	-3.0	-2.1	-0.9	-0.5	-1.1	-1.4	-1.0	-1.2	-0.9	-0.3	-0.1	+1.2	+3.8	+6.7	+8.1	+8.4	+7.1	+3.9	0.0	-3.5	-5.8	-6.5	-6.2	-4.7	
VERTICAL INTENSITY (gammas) (Quiet Days)																									
Table 88 Meanook																									
January	+2	+2	+1	+2	+2	+2	+1	+1	-2	-5	-4	-7	-5	-3	-2	0	+1	+3	+3	+3	+2	+2	+2	+1	
February	+5	+4	+3	+3	+3	+4	+1	-1	-7	-5	-1	-6	-9	-6	-2	+2	+1	-1	0	+1	+2	+3	+4	+3	
March	+4	+5	+4	+3	+3	+4	+4	-2	-6	-9	-2	-2	-1	-1	0	+2	+1	0	-2	-3	-2	0	0	0	
April	+18	+9	+9	+8	+6	+7	+7	+7	+2	-9	-7	-2	-4	-14	-17	-9	-7	-7	-4	-5	-2	+3	+7	+8	
May	+6	+5	+8	+7	+6	+6	+1	-5	-5	-2	0	+1	+1	0	-1	-3	-6	-7	-9	-7	-4	0	+3	+3	
June	+9	+11	+13	+10	+8	+6	-1	+1	-1	-5	-2	+1	-5	-6	-1	-5	-7	-8	-8	-8	-7	-3	+1	+6	
July	-16	-20	-21	-21	-18	-10	+8	+5	+7	+2	+3	+4	+2	+8	+8	+9	+8	+10	+10	+10	+11	+7	+5	+1	-2
August	+10	+8	+9	+7	+5	+2	-2	+1	-2	0	-2	-11	-7	-6	-7	-3	-3	-6	-8	-4	-1	+2	+7	+8	
September	+9	+7	+8	+8	+6	+1	-1	+2	+3	+2	0	-7	-8	-8	-5	-5	-7	-11	-10	-6	+1	+2	+8	+13	
October	+37	+38	+33	+31	+33	+6	-8	-28	-49	-82	-69	-22	-10	+1	+4	+9	+11	+9	+6	+9	+12	+12	+15	+13	
November	+4	+4	+4	+4	+2	+1	0	0	-1	0	-1	-2	-1	-4	-2	-2	-1	-4	-5	-2	+1	+2	+2	+1	
December	+5	+4	+5	+5	+7	+6	+6	+2	-6	-11	-9	-5	-5	-4	-2	0	-1	-1	0	0	+1	+2	+2	+2	
Year	+7.7	+6.4	+6.3	+5.6	+5.2	+2.9	+0.8	-1.4	-5.6	-10.3	-7.8	-4.8	-4.3	-3.6	-2.2	-0.4	-0.8	-2.1	-2.3	-0.9	+0.8	+2.4	+4.3	+4.7	
Winter	+4.0	+3.5	+3.2	+3.5	+3.5	+3.2	+2.0	+0.5	-4.0	-5.2	-3.7	-5.0	-5.0	-4.3	-2.0	0.0	0.0	-1.3	-0.7	+0.5	+1.5	+2.0	+2.5	+1.8	
Equinox	+17.0	+14.7	+13.5	+12.5	+12.0	+4.5	-2.0	-5.2	-12.5	-24.5	-19.5	-8.2	-5.7	-5.5	-4.5	-0.7	-0.5	-2.3	-2.5	-1.2	+2.2	+4.2	+7.5	+8.5	
Summer	+2.2	+1.0	+2.2	+0.8	+0.2	+1.0	+2.5	+0.5	-0.2	-1.2	-0.2	-1.2	-2.2	-1.0	-0.2	-0.5	-2.0	-2.7	-3.7	-2.0	-1.3	+1.0	+3.2	+3.8	

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

Hour Month Season	U. T.																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
HORIZONTAL INTENSITY (gammas) (Disturbed Days)																								
Table 89 Meanook																								
January	+48	+44	+44	+57	+79	+71	+33	+30	+9	+3	-93	-105	-112	-149	-135	-42	+26	+38	+29	+24	+18	+20	+25	+38
February	+68	+47	+48	+36	+34	+32	+39	+43	+27	-62	-46	-70	-36	-68	-84	-65	-11	+4	-9	-6	+9	+17	+23	+31
March	+26	+27	+31	+42	+56	+50	+35	+12	+21	-36	-14	-32	-140	-113	-28	-4	+7	+1	-11	-6	+7	+16	+28	+25
April	+122	+101	+85	+104	+101	+28	-48	-77	-144	-195	-129	-192	-101	-13	-32	-24	-8	+14	+22	+42	+52	+75	+105	+111
May	+54	+54	+49	+62	+43	+40	+39	+14	+27	+11	-26	-98	-167	-96	-64	-46	-38	-15	-19	+6	+34	+33	+43	+61
June	+71	+54	+54	+54	+54	+30	-6	-55	-111	-172	-91	-50	-56	-10	+32	+41	+32	+9	-11	-11	+17	+34	+32	+59
July	+79	+61	+65	+71	+43	+39	-91	-52	-62	-14	-76	-116	-19	-45	-24	-11	+5	+10	+10	+14	+8	+8	+39	+59
August	+119	+126	+148	+117	+59	+32	+12	-166	-309	-248	-87	-58	-80	-26	-7	+14	+7	+17	+25	+38	+47	+70	+74	+75
September	+71	+71	+87	+113	+69	+82	-35	-179	-247	-101	-310	-137	+22	0	+20	+26	+22	+25	-2	+28	+68	+83	+98	+125
October	+98	+154	+142	+74	+74	+63	-8	-79	-106	-179	-162	-254	-148	-58	-21	+23	+10	+17	+26	+42	+52	+85	+83	+72
November	+65	+73	+127	+85	+94	-16	-26	-162	-73	-115	-141	-85	-113	-50	+18	+55	+46	+32	+17	+22	+32	+32	+41	+52
December	+63	+71	+78	+57	+6	+27	+30	-52	-30	-53	-80	-58	-36	-25	+47	-22	-31	-20	-12	+29	+58	+48	+49	
Year	+73.7	+73.6	+79.8	+72.7	+59.3	+39.8	-2.2	-60.2	-83.2	-96.7	-104.6	-104.6	-82.2	-54.4	-31.0	-6.7	+6.3	+10.0	+4.7	+15.1	+31.1	+44.2	+53.2	+63.1
Winter	+61.0	+58.8	+74.2	+58.8	+53.2	+28.5	+19.0	-35.2	-16.8	+56.7	-90.0	-79.5	-74.3	-73.0	-62.0	-24.8	+9.7	+10.8	+4.2	+7.0	+22.0	+31.7	+34.2	+42.5
Equinox	+79.3	+88.2	+86.2	+83.3	+75.0	+55.7	-14.0	-80.7	-119.0	-127.7	-153.8	-153.8	-91.7	-46.0	-15.3	+5.2	+7.7	+14.2	+8.7	+26.5	+44.8	+64.7	+78.5	+83.3
Summer	+80.8	+73.8	+79.0	+76.0	+49.7	+35.2	-11.5	-64.7	-113.8	-105.7	-70.0	-80.5	-80.5	-44.2	-15.7	-0.5	+1.5	+5.0	+1.2	+11.8	+26.5	+36.2	+47.0	+63.5
DECLINATION (minutes) (Disturbed Days)																								
Table 90 Meanook																								
January	-1.4	-1.8	-0.4	+0.2	+4.0	+3.5	+2.3	+4.4	-1.0	+0.2	+0.1	+4.1	-1.5	+1.8	-1.2	+0.7	-1.3	+1.0	+0.1	-0.2	-2.5	-4.5	-3.7	-2.8
February	-2.1	-1.7	-1.3	-0.5	+0.9	+3.3	+3.1	+0.3	-1.0	-1.9	-1.0	+11.2	+8.8	+2.9	+1.2	+2.3	+0.6	-0.6	-0.7	-7.1	-8.0	-4.7	-2.6	-1.6
March	-3.0	-2.5	-2.2	-1.4	+6.0	+0.8	+3.4	+3.3	+1.7	-2.8	+1.2	+1.8	+1.0	+12.1	+3.5	+3.3	+2.8	+1.0	-3.7	-7.0	-7.5	-5.8	-3.3	-2.4
April	-2.4	-2.8	-4.6	-0.6	+0.7	+0.4	+0.5	-0.8	+3.8	+2.2	+2.1	+9.8	+8.4	+3.0	+8.0	+4.2	+2.1	-1.0	-2.7	-4.4	-6.4	-7.1	-7.1	-5.4
May	-6.2	-6.4	-1.6	+1.8	-1.1	-1.1	+0.5	+0.2	-1.1	-1.0	+1.7	+5.4	+8.5	+9.3	+5.9	+8.8	+6.4	+5.1	-1.5	-7.4	-6.7	-7.0	-7.1	-5.4
June	-4.6	-4.9	-5.9	-0.9	+2.5	-1.2	-0.3	-8.7	-1.2	+2.9	+2.5	+5.6	+10.6	+12.5	+9.0	+9.4	+7.8	+5.1	-0.8	-5.8	-8.3	-8.6	-9.2	-7.6
July	-2.0	-1.6	-1.6	+0.7	+2.9	+2.7	-3.1	-8.6	-2.1	-4.0	-2.9	-5.6	+2.3	+7.6	+10.3	+12.5	+9.2	+5.2	-0.6	-2.5	-3.7	-4.7	-4.6	-5.6
August	-7.1	-2.3	0.0	+4.0	+3.6	+4.5	-2.7	+6.5	-14.3	-2.1	+7.7	+2.9	+4.6	+7.8	+10.4	+9.9	+4.2	+0.9	-5.1	-7.0	-7.8	-6.8	-7.0	-5.0
September	-1.9	-2.6	+1.0	+8.6	+7.8	-3.0	-13.1	-19.4	-9.5	-2.0	+8.1	+2.7	+7.9	+10.4	+7.6	+8.6	+7.7	+1.8	-0.5	-5.2	-5.7	-4.5	-5.0	+0.6
October	-1.2	+4.3	+1.0	-0.2	+6.2	+4.7	-5.2	-1.5	+1.1	+4.8	+9.7	+5.1	-4.6	-4.0	+0.1	+0.2	-1.9	-3.8	-4.0	-4.5	-1.2	-2.1	-1.0	-1.8
November	-2.6	-2.4	+1.2	+3.6	+4.0	+2.0	+4.0	-4.0	+2.8	-3.4	-3.8	-1.9	+2.2	+8.5	+6.3	+4.7	+3.6	+0.1	-2.8	-5.4	-4.8	-4.2	-4.4	-3.3
December	+1.8	+2.6	+6.7	+6.0	+4.2	+2.6	+3.2	+3.6	+2.7	-1.2	+1.6	+2.4	+3.7	+2.1	-2.5	-5.0	-4.5	-8.3	-9.2	-3.5	-3.2	-2.0	-2.4	-1.4
Year	-2.7	-1.8	-0.6	+1.8	+3.5	+1.6	-0.6	-2.1	-1.5	-0.7	+2.3	+3.6	+4.3	+6.2	+4.9	+5.0	+3.1	+0.5	-2.6	-5.0	-5.5	-5.2	-4.8	-3.5
Winter	-1.1	-0.8	+1.6	+2.3	+3.3	+2.9	+3.2	+1.1	+0.9	-1.6	-0.8	+3.9	+3.3	+3.8	+1.0	+0.7	-0.4	-2.0	-3.1	-4.0	-4.6	-3.9	-3.3	-2.3
Equinox	-2.1	-0.9	-1.2	+1.6	+5.2	+0.7	-3.6	-4.6	-0.7	+0.5	-5.3	+4.8	+3.2	+5.4	+4.8	+4.1	+2.7	-0.5	-2.7	-5.3	-5.2	-4.9	-4.2	-2.3
Summer	-5.0	-3.8	-2.3	+1.4	+2.0	+1.2	-1.4	-2.7	-4.7	-1.0	+2.3	+2.1	+6.5	+9.3	+8.9	+10.2	+6.9	+4.1	-2.0	-5.7	-6.6	-6.8	-7.0	-5.9
VERTICAL INTENSITY (gammas) (Disturbed Days)																								
Table 91 Meanook																								
January	+25	+23	+26	+38	-13	+53	+23	+13	-8	-17	-48	-65	-76	-101	-21	+4	-5	+12	+19	+22	+17	+22	+27	+30
February	+39	+39	+41	+26	+24	+28	+26	+10	-17	-53	-48	-37	-51	-109	-55	-54	-15	-4	+19	+31	+32	+29	+32	+36
March	+32	+31	+33	+36	+31	+40	+32	-11	-24	-60	-53	-49	-103	-114	-59	-14	+6	+24	+28	+40	+39	+37	+44	+36
April	+91	+81	+62	+72	+70	-15	-47	-46	-73	-94	-124	-131	-112	-49	-76	-30	-13	+16	+32	+53	+69	+87	+94	+82
May	+37	+39	+42	+32	+31	+31	+10	-6	-12	-16	-49	-28	-100	-109	-81	-34	-17	+2	+17	+28	+35	+37	+52	+61
June	+58	+53	+56	+67	+45	+8	-16	-42	-86	-151	-73	-58	-52	-38	+9	+18	+15	+9	+8	+15	+32	+37	+35	+49
July	+57	+44	+46	+59	+18	-21	-107	-55	-31	-27	-11	-44	-31	-47	-38	-24	-3	+8	+13	+12	+18	+44	+61	+59
August	+70	+110	+104	+71	+26	-13	-49	-110	-137	-41	-66	-45	-47	-60	-24	-5	-8	+2	+10	+20	+31	+45	+60	+58
September	+37	+42	+64	+71	-2	-61	-111	-144	-77	-81	-80	-60	-27	-22	-6	+1	+19	+25	+28	+69	+79	+73	+79	+83
October	+77	+109	+79	+56	+39	+17	-11	-84	-100	-112	-78	-88	-110	-72	-30	+2	+6	+12	+24	+33	+56	+66	+59	+45
November	+45	+53	+89	+72	+45	-59	-35	-97	-87	-18	-59	-53	-123	-133	-22	+22	+32	+30	+33	+35	+43	+53	+55	+58
December	+66	+64	+44	+44	-23	-4	+1	-44	-82	-74	-82	-64	-56	-39	-49	-29	-11	+5	+19	+46	+65	+76	+64	+63
Year	+52.8	+57.3	+57.2	+53.7	+24.2	+0.3	-23.7	-51.3	-59.5	-62.0	-61.7	-60.2	-74.0	-74.4	-37.7	-11.9	+0.5	+11.7	+10.8	+33.7	+43.0	+50.5	+55.2	+55.0
Winter	+43.7	+44.7	+50.0	+45.0	+8.2	+4.5	+3.7	-29.5	-43.5	-40.5	-51.7	-54.8	-76.5	-95.5	-36.8	-14.2	+0.2	+10.7	+22.5	+33.5	+39.2	+45.0	+44.5	+46.8
Equinox	+59.2	+65.7	+59.5	+58.8	+34.5	-4.7	-34.3	-71.2	-68.5	-86.7	-83.7	-82.0	-88.0	-64.2	-42.8	-10.3	+4.5	+19.2	+28.0	+48.8	+60.8	+65.7	+69.0	+61.5
Summer	+55.5	+61.5	+62.0	+57.3	+30.0	+1.2	-40.5	-53.2	-66.5	-58.8	-49.7	-43.8	-57.5	-63.5	-33.5	-11.2	-3.2	+5.2	+12.0	+18.8	+29.0	+40.8	+52.0	+56.7

PUBLICATIONS OF THE DOMINION OBSERVATORY

THREE-HOUR RANGE INDICES, MEANOOK, 1962

Table 92

January					February				
	D	H	Z	K	D	H	Z	K	
1	0200 0100	0200 0010	0100 0000	0200 0110	0000 0100	0000 0111	0000 0000	0000 0111	
2	0034 1100	0155 3100	0055 3000	0155 3100	0010 0111	1111 0111	0020 0000	1121 0111	
3	0001 0000	0001 0000	0000 0000	0001 0000	0120 1110	1110 1211	0010 0000	1120 1211	
4	0002 0000	0012 0000	0001 0000	0012 0000	0013 5422	1113 5433	0023 5432	1123 5433	
5	0001 0100	0001 0110	0001 1000	0001 1110	1101 0110	3301 2211	2300 0000	3301 2211	
6	0011 0000	0111 0100	0001 0000	0111 0100	0000 0011	0001 1112	0000 0001	0001 1112	
7	0000 0010	0000 0000	0000 0000	0000 0010	2345 2220	1356 3321	1255 2220	2356 3321	
8	0011 0100	0001 0100	0012 0000	0012 0100	0000 0000	0001 1000	0000 1000	0001 1000	
9	0101 2110	0102 2211	0001 2100	0102 2211	1021 1000	1111 2000	0011 0000	1121 2000	
10	2536 7632	2547 7743	2646 7632	2647 7743	0100 0000	0000 0000	0000 0000	0100 0000	
11	2331 2220	3243 3221	2333 2110	3343 3221	0002 2223	1003 3223	0002 3012	1003 3223	
12	0120 0000	1120 0001	0020 0000	1120 0001	4242 1221	6254 2333	4243 1222	6254 2333	
13	0221 0110	1111 1100	0222 0000	1222 1110	1303 1210	2204 3112	1303 3101	2304 3212	
14	1011 1222	0021 2323	0011 1222	1021 2323	3332 1211	2223 2122	2233 1101	3333 2222	
15	1332 1011	2233 2111	2233 1102	2333 2112	0302 0230	0201 1342	0202 0130	0302 1342	
16	1131 3101	2133 4111	0023 4100	2133 4111	1146 6543	2257 6663	0157 7543	2257 7663	
17	0200 0000	1100 0001	0000 0000	1200 0001	2343 1110	2455 1110	4564 1100	4565 1110	
18	0011 0010	0001 1111	0000 0001	0011 1111	0022 0120	0123 1222	0033 0100	0133 1222	
19	1121 3321	2141 4431	1132 4421	2142 4431	0120 1000	0121 1100	0020 1000	0121 1100	
20	0021 0110	1121 0111	1031 1001	1131 1111	0021 1000	0022 2001	0021 2000	0022 2001	
21	1012 3100	2122 4100	1133 3100	2133 4100	0020 2210	0020 2221	0020 3200	0020 3221	
22	0010 0000	0010 0000	0000 0000	0010 0000	2222 3210	3334 4311	1244 3200	3344 4311	
23	0000 0000	0000 0000	0000 0000	0000 0000	0203 2210	1103 3311	0103 3200	1203 3311	
24	0000 0000	0000 0000	0000 0000	0000 0000	0222 2120	0122 2221	0132 3111	0232 3221	
25	0022 0200	0012 0111	0013 0000	0023 0211	0020 0100	1010 1121	0000 0000	1020 1121	
26	0012 1121	1002 0112	0012 1001	1012 1122	0100 2332	1101 3323	0000 2211	1101 3333	
27	0223 1100	1226 1112	0235 0001	0236 1112	1115 4320	3226 6410	2125 5310	3226 6420	
28	0012 0100	0111 0100	0012 0000	0112 0100	0021 1000	0022 2100	0021 1000	0022 2100	
29	0211 2101	0111 2101	0120 3100	0211 3101					
30	0032 2200	1121 3201	0031 3100	1132 3201					
31	0000 0000	0000 0000	0000 0000	0000 0000					
March					April				
	D	H	Z	K	D	H	Z	K	
1	0032 2210	0032 3212	0033 2001	0033 3212	0244 3100	1254 3111	0254 3000	1254 3111	
2	0221 2121	1110 2232	0010 2110	1221 2232	0200 0111	0200 0113	0000 0002	0200 0113	
3	0010 2121	1011 2212	0010 1221	1011 2222	1230 1121	2241 0222	1240 0111	2241 1222	
4	1002 1110	2111 1111	2003 2000	2113 2111	1254 1100	2265 1212	1265 1002	2265 1212	
5	0022 5320	1033 7322	0044 6221	1044 7322	2201 0110	2101 1111	2201 1000	2201 1111	
6	1446 6321	2556 7332	2455 6321	2556 7332	0335 2222	1467 3334	0445 3223	1467 3334	
7	0231 1100	1132 2210	0241 1100	1242 2210	4765 5323	5767 7434	4666 5433	5767 7434	
8	0120 0000	1121 0000	0020 0000	1121 0000	3433 3321	4553 5523	4443 3422	4553 5523	
9	0000 0010	0000 0000	0000 0000	0000 0010	2131 1210	3132 3312	3141 3201	3142 3312	
10	0233 2111	1134 4212	0244 3100	1244 4212	0225 4322	2246 5534	1346 5423	2346 5534	
11	1323 1210	3435 1210	1434 1100	3435 1210	4354 3311	5556 5312	4554 4211	5556 5312	
12	0023 3222	1124 4323	0124 3311	1124 4323	3210 0111	3211 3113	3210 2003	3211 3113	
13	1022 1000	3123 3001	2022 2000	3123 3001	1110 1100	3111 1211	3021 0000	3121 1211	
14	0021 1111	0022 1212	0021 1000	0022 1212	0000 1010	1100 0111	1000 0000	1100 1111	
15	0320 1110	1222 2102	1221 0000	1322 2102	0300 1222	1211 1321	0310 0111	1311 1322	
16	0012 1010	1011 1211	0013 0000	1013 1211	1111 1110	2111 1111	0000 0000	2111 1111	
17	0022 2110	1122 1111	0022 2100	1122 2111	0301 1110	2311 1111	3311 1000	3311 1111	
18	0011 3200	1012 3211	0012 4100	1012 4211	1222 2120	0144 3222	0233 3100	0244 3222	
19	0022 4121	1113 4222	0133 5320	1133 5322	2230 0000	2110 0101	2120 0000	2230 0101	
20	0100 2310	1002 3322	0101 3211	1102 3322	0300 0213	1110 0214	0210 0003	1310 0214	
21	0141 1111	2142 2222	0142 2123	2142 2223	2111 1321	3111 1433	2000 0232	3111 1433	
22	0000 0010	1100 0112	0000 0000	1100 0112	3444 4311	3467 6432	3464 4422	3467 6432	
23	0013 2010	1013 2110	0023 2000	1023 2110	2344 2110	2345 5211	1344 4200	2345 5211	
24	0011 1200	2011 1111	1011 0000	2011 1211	0000 1110	1000 2220	0000 1000	1000 2220	
25	0232 2110	1233 3111	0343 3000	1343 3111	0034 1320	0025 2222	0035 1110	0035 2322	
26	1101 0000	1101 0000	0001 0000	1101 0000	0453 2110	2374 3112	1364 3001	2474 3112	
27	0010 1110	1000 0000	0000 0000	1010 1110	1323 2110	3333 2122	2333 2211	3333 2222	
28	0000 2211	0000 1212	0000 2111	0000 2212	0442 1210	2232 2212	3421 1112	3442 2212	
29	3120 2020	2120 3111	3221 3000	3221 3121	2121 2000	2122 3211	2121 3200	2122 3211	
30	0000 1020	1000 1201	0000 0000	1000 1221	0012 0100	1012 0112	0002 0101	1012 0112	
31	0000 1110	1110 0211	0000 0001	1110 1211					

THREE-HOUR RANGE INDICES, MEANOOK, 1962

May					June											
	D	H	Z	K	D	H	Z	K								
1	1221	2111	2221	1013	2122	0001	2222	2113	3343	1111	3254	1112	3254	1000	3354	1112
2	0342	1211	1352	1201	1342	1001	1352	1211	1112	0110	2112	1111	2112	0000	2112	1111
3	2122	1010	2133	1000	3224	1000	3234	1010	0001	0111	1001	1212	0011	0011	1011	1212
4	0030	0000	0020	0000	0020	0000	0030	0000	2124	3121	3124	3222	2234	3102	3234	3222
5	0010	0010	0010	0013	0000	0001	0010	0013	1132	0123	2152	1113	2152	1003	2152	1123
6	1102	5522	2213	6633	0004	4532	2213	6633	3342	1121	3353	1111	3353	2010	3353	2121
7	2311	1100	3111	2112	2221	1001	3321	2112	0023	2120	1153	2111	0053	2111	1153	2121
8	0020	0000	1110	1112	1020	0001	1120	1112	0111	1011	0120	0113	1022	0002	1122	1113
9	0200	0000	2100	0000	1000	0000	2200	0000	1255	3233	3455	3334	2455	2224	3455	3334
10	0121	1110	2123	1200	0133	0000	2133	1210	2354	2201	5566	4321	3555	4200	5566	4321
11	1010	3321	1111	3313	0020	3122	1121	3323	0321	1011	2211	2112	0231	2000	2331	2112
12	0122	1100	2112	0111	0023	0000	2123	1111	1131	2110	2132	2211	1033	2100	2133	2211
13	1202	3221	1214	5223	0224	5203	1224	5223	0131	0010	2232	1101	0141	0000	2242	1111
14	3322	2111	3434	2223	2434	2002	3434	2223	0311	2121	1211	2113	0312	1000	1312	2123
15	3341	1230	2252	2231	2252	1100	3352	2231	2312	1110	3312	2221	2312	2100	3312	2221
16	0333	1010	2346	2012	1334	2001	2346	2012	1010	1100	3101	1111	2010	0000	3111	1111
17	0011	0010	1001	1011	0012	0000	1012	0111	0000	0000	1000	0201	0000	0000	1000	0201
18	0010	1000	1100	1000	0000	0000	1110	1000	0000	0010	1100	0000	0000	0000	1100	0010
19	0153	2110	1163	3212	0053	3100	1163	3212	0101	2210	1101	1111	0000	2000	1101	2211
20	0111	1100	3111	1101	1021	0100	3121	1101	0022	0121	2110	1111	0020	0000	2122	1121
21	0000	1001	2000	1001	0000	0000	2000	1001	0002	1231	1102	2233	0002	1113	1102	2233
22	0001	1100	1000	0111	0000	0000	1001	1111	2322	2221	3521	1232	3431	1012	3532	2232
23	0111	1000	0110	1000	0000	0000	0111	1000	1243	2321	3366	2233	1364	1132	3366	2333
24	0101	0011	1100	0000	0000	0010	1101	0011	1122	2120	3221	3212	2123	1002	3223	3222
25	0001	1220	1000	1201	0000	0000	1001	1221	1141	1110	2232	2112	1233	1000	2243	2112
26	0001	1221	1101	1213	0000	0011	1101	1223	0010	0121	1100	1113	0000	0002	1110	1123
27	1222	3311	2344	3312	1233	3202	2344	3312	2345	5222	2364	6333	2456	5122	2466	6333
28	0102	2110	1113	2122	1003	2012	1113	2122	2244	2222	3366	3223	3255	3112	3366	3223
29	0331	1110	2243	1111	1343	0000	2343	1111	2233	3221	3244	4222	2254	3110	3254	4222
30	0201	0010	0101	1011	0001	0000	0201	1011	0443	3211	2665	3221	1554	3110	2665	3221
31	0226	7321	0336	7423	0336	7312	0336	7423								
July					August											
	D	H	Z	K	D	H	Z	K								
1	0222	2220	1234	2212	0143	2100	1244	2222	3465	3223	4677	6334	4566	4323	4677	6334
2	1131	0131	2122	0112	0011	0011	2132	0132	0402	3221	3213	3222	2313	3111	3413	3222
3	1021	1220	2122	1211	1032	1100	2132	1221	0432	3121	2233	4311	1432	3111	2433	4321
4	1332	2122	2334	3224	0333	3113	2334	3224	1243	2120	2145	3221	1255	4100	2255	4221
5	1453	2122	3474	3232	1464	2121	3474	3232	1243	2111	2145	3111	1255	4000	2255	4111
6	3333	1121	3436	2223	2445	2111	3446	2223	1244	3221	3365	6223	1364	5212	3365	6223
7	0012	2121	1112	1323	1014	1112	1114	1323	2333	3232	3224	4333	4324	4321	4334	4333
8	1341	3110	2242	3223	2452	3101	2452	3223	3474	3322	5376	5423	4565	4322	5576	5423
9	1222	0010	2322	0022	1342	0010	2342	0022	3443	2211	4366	3223	4455	2111	4466	3223
10	0110	1220	2110	2222	0020	2100	2120	2222	2333	2200	3234	3112	2344	3100	3344	3212
11	0221	2121	2232	2222	1243	3010	2243	3222	0000	0000	1000	0110	0000	0000	1000	0110
12	0333	1110	1232	2212	0332	1000	1333	2212	0210	1100	0001	1001	0101	0000	0211	1101
13	1121	2231	3111	2322	1222	3122	3222	3332	0002	0011	0002	0013	0002	0001	0002	0013
14	2231	2110	3332	2211	3331	0100	3332	2211	1301	2121	2301	2123	1300	2001	2301	2123
15	1000	0100	3000	0122	2100	0000	3100	0122	1564	1222	2675	2324	2674	1113	2675	2324
16	1100	1000	2000	1000	1000	1000	2100	1000	3351	1232	5461	2234	4461	1113	5461	2234
17	0000	0000	1000	1001	0000	0000	1000	1001	3232	3332	3244	4424	4343	4324	4344	4434
18	0000	1010	1100	1121	0000	1000	1100	1121	2653	2322	3655	3334	3664	3222	3665	3334
19	0012	2232	1223	1223	0013	2012	1223	2233	2443	2221	2665	3322	3655	3201	3665	3322
20	2463	2221	3564	2323	3464	2112	3564	2323	0011	1100	1011	1101	1021	0000	1021	1101
21	1412	2221	3313	2223	2423	2112	3423	2223	0011	0111	1001	1113	0011	0002	1011	1113
22	1332	2110	3133	1212	2233	1012	3333	2212	3452	2222	5563	3324	4363	2222	5563	3324
23	1332	1031	2233	2112	1244	1010	2344	2132	2343	2221	5354	4323	3444	3211	5454	4323
24	1011	1332	2111	3244	1000	2333	2111	3344	3353	3312	3254	5323	3363	4212	3364	5323
25	3342	2010	5443	3112	4453	3000	5453	3112	3332	1112	3243	2212	3353	1112	3353	2212
26	1555	3322	2667	6334	0677	4222	2677	6334	1432	2110	3223	3112	2333	3000	3433	3112
27	3342	3322	4553	5534	4553	5423	4553	5534	1220	0110	2110	0111	0220	0000	2220	0111
28	3552	3311	4674	4323	4553	3322	4674	4323	0111	1000	2100	1101	0010	0000	2111	1101
29	3131	2210	4232	1212	3241	0111	4242	2212	0333	2222	1444	1223	0344	2112	1444	2223
30	2330	1121	2331	1212	2330	0001	2331	1222	1322	3121	2453	3122	1453	3122	2453	3122
31	0001	1132	1111	1233	0001	0022	1111	1233	4464	4311	4576	6222	4565	4111	4576	6322

PUBLICATIONS OF THE DOMINION OBSERVATORY

THREE-HOUR RANGE INDICES, MEANOOK, 1962

September					October											
	D	H	Z	K	D	H	Z	K								
1	2166	3332	2376	4442	2266	4343	2367	7454	3676	5343	3777	7454				
2	1564	5332	3577	7534	4666	5433	4677	7534	4353	3310	3465	5331	3464	4211	4465	5331
3	4536	3334	4658	4456	4657	3334	4658	4456	0333	3100	1244	4112	0254	4100	1354	4112
4	2655	3211	4757	4333	3667	5322	4767	5333	1333	1220	2344	2222	2344	2011	2344	2222
5	2343	2211	2265	4423	1355	4322	2365	4423	0111	1132	1112	1223	0111	0033	1112	1233
6	1543	3221	2576	4233	2656	4233	2676	4233	3350	2200	3561	4402	3441	3200	3561	4402
7	3345	2221	2257	3212	2265	3001	3367	3222	0333	1122	2434	1133	0433	0022	2434	1133
8	2334	1111	4456	2213	3455	2202	4456	2213	5234	2332	6446	5433	5445	3222	6446	5433
9	1311	2221	2203	4223	2314	4222	2314	4223	3453	3322	5454	5333	4554	4223	5554	5333
10	2443	1211	3555	1222	3534	0001	3555	1222	3324	4311	3246	4333	3435	5311	3446	5333
11	0025	1211	3156	2222	1135	1011	3156	2222	2532	2221	3565	5333	3654	3112	3665	5333
12	1165	3432	3277	4454	1185	2243	3287	4454	3123	1100	2144	2211	2134	1000	3144	2211
13	2443	2332	4353	3342	3343	3331	4453	3342	0014	3231	0015	4222	0015	4112	0015	4232
14	1441	1222	2452	1222	1451	0001	2452	1222	2454	2231	2467	4333	3556	3233	2567	4333
15	1452	1222	2243	1233	0452	0111	2453	1233	1332	1211	3543	2202	2533	1200	3543	2212
16	0212	2211	1102	2212	1103	2112	1213	2212	1025	5211	2117	6322	0015	5111	2127	6322
17	0320	2110	2120	2112	1220	1000	2320	2112	2131	0000	2144	1011	2143	0000	2144	1011
18	0010	0101	1010	1112	0000	0001	1010	1112	3200	1220	5410	1222	4310	1110	5410	1222
19	1453	2333	3576	4444	1564	3343	3576	4444	0055	4221	0066	5422	0066	4411	0066	5422
20	3333	2000	4334	2111	3334	2000	4334	2111	0121	1222	2011	2333	0010	1211	2121	2333
21	0231	2220	2321	3322	0221	3201	2331	3322	3421	1220	3223	2322	3332	2111	3423	2322
22	3232	2221	4445	4332	4343	3221	4445	4332	2334	4222	2245	5333	1345	4312	2345	5333
23	3533	1110	3544	2112	2543	2001	3544	2112	3333	2211	3345	3322	4335	3211	4345	3322
24	0310	0110	1200	1011	0310	0000	1310	1111	1322	3232	2214	4333	2224	4223	2324	4333
25	0001	1111	1002	2113	0002	1101	1002	2113	2444	4322	4466	6433	4455	5333	4466	6433
26	3542	2321	5663	4333	5653	2321	5663	4333	4455	4342	3477	5543	3466	4343	4477	5543
27	2323	2200	2234	4211	3333	3100	3334	4211	3343	3322	3365	6423	2454	5312	3465	6423
28	2101	2221	2111	2212	1022	2122	2122	2222	2433	1121	2344	2222	2444	2122	2444	2222
29	1335	2222	1346	3234	1245	3133	1346	3234	2233	2110	2134	2212	1133	2211	2234	2212
30	3434	3211	3455	5322	2444	5212	3455	5322	1324	3211	2244	4222	1253	2211	2354	4222
31									0322	2110	1224	3111	0223	1000	1324	3111
November					December											
	D	H	Z	K	D	H	Z	K								
1	1113	0110	1124	1111	0114	0010	1124	1111	0012	0110	1023	1120	0013	1010	1023	1120
2	0112	2122	1102	4223	0003	3103	1113	4223	0112	0100	0112	0101	0102	0000	0112	0101
3	1123	3111	3135	3322	3034	3212	3135	3322	0200	0000	0100	0110	0000	0000	0200	0110
4	1333	2322	1344	4422	1343	3402	1344	4422	0244	4321	0345	5331	0045	5321	0345	5331
5	0141	1000	2142	0111	1253	0000	2253	1111	1002	1210	1112	2111	2003	2100	2113	2211
6	1322	2222	1533	2333	2343	2123	2543	2333	1020	0100	0110	0100	0030	0000	1130	0100
7	3413	3111	3215	4122	2315	4000	3415	4122	0001	1001	0001	0001	0011	0000	0011	1001
8	0111	2110	1113	2211	0003	2110	1113	2211	0132	2100	1132	2101	0044	2100	1144	2101
9	0000	1110	1000	1211	0000	0000	1000	1211	1411	0000	1412	0000	0312	0000	1412	0000
10	0100	0110	2000	0221	1000	0010	2100	0221	0000	0111	1000	1112	0000	0003	1100	1112
11	1331	2210	1135	4311	1054	4201	1355	4311	2433	3221	2345	3342	2343	3332	2445	3342
12	1000	0100	1000	0100	0100	0000	1100	0100	2200	0133	2200	0123	3300	0013	3300	0133
13	0000	0100	0000	1100	0000	0000	0000	1100	2233	3221	3235	4322	2344	3211	3345	4322
14	0000	0121	0000	0121	0000	0021	0000	0121	1323	2221	2223	3322	1324	3211	2324	3322
15	0333	5232	0347	7334	0355	6222	0357	7334	1452	0110	2452	1111	1462	0000	2462	1111
16	4443	3221	6444	5432	3334	3322	6444	5432	0011	2100	0011	1100	0001	2000	0011	2100
17	2301	1100	2201	2200	2102	1200	2302	2200	0012	2554	1023	2545	00034	2344	1034	2555
18	0000	0000	0000	00000	0000	0000	0000	0000	5322	3333	5434	5544	4424	4344	5434	5544
19	0000	1000	0001	1011	0000	1000	0001	1011	3663	3432	5665	5543	3664	4432	5665	5543
20	0020	0100	0030	0000	0030	0000	0030	0100	3634	3333	3536	4444	3555	3333	3656	4444
21	0143	3222	1155	4222	0054	4222	1155	4222	2433	3233	3454	4333	2444	4342	3454	4343
22	3565	4323	5676	5434	3665	4423	5676	5434	2133	1212	2134	2313	1033	2211	2134	2313
23	3433	3212	2355	4322	2354	4311	3455	4322	0111	1000	1111	0100	0112	0000	1112	1100
24	1344	4221	2255	5222	2144	4221	2355	5222	0011	2110	0121	1111	0011	1100	0121	2111
25	2344	3210	2356	4322	1445	3211	2456	4322	1001	0110	1001	0100	0001	0000	1001	0110
26	1011	2210	2112	2111	0011	2100	2112	2211	0023	4212	0125	6322	0034	5422	1135	6422
27	0122	1201	1131	1111	0141	0101	1132	1211	0020	0201	1011	1112	0000	0000	1021	1212
28	1332	1100	2123	2100	1123	2000	2333	2100	0001	2200	1001	2311	0001	2200	1001	2311
29	0013	2121	0013	2021	0013	2011	0013	2121	0210	1100	1110	1100	0100	1000	1210	1100
30	3566	3221	4677	5222	4766	5111	4777	5222	0001	0100	1001	0101	0000	0000	1001	0101
31									0025	3321	1015	3321	0025	3310	1025	3321

CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
Dominion Observatories

PUBLICATIONS
of the
DOMINION OBSERVATORY
OTTAWA

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MAGNETIC RESULTS, 1948-1961

J. F. Clark

Price 25 cents

ROGER DUHAMEL, F.R.S.C.
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1964

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Magnetic Results 1948-1961

J. F. CLARK

Introduction

This report summarizes the values obtained by field work during the fourteen seasons from 1948 to 1961 inclusive.

An account of the work of the magnetic survey of Canada may be found in *Pub. Dom. Obs.* Vol. XXVIII, No. 1 and previous volumes of magnetic results.

In 1948 the India survey pattern magnetometers were replaced by the portable fluxgate magnetometers (Serson's model, 1947). Although dip-circles and suspended-magnet type magnetometers were used for several years thereafter at a few locations, most survey parties were using the fluxgate type to obtain data in all parts of Canada, especially the remote northern districts, from 1949 to the present time.

In 1957 the first transistorized version was used in the field and was followed by refined models in succeeding years.

Travel was by aircraft in the north and by motor vehicle in the highways districts. Also, several surveys were made on the east coast using marine vessel transport.

The summary of values is presented in tabular form in the same format as that in *Pub. Dom. Obs.* Vol. XXVIII, No. 1 (1). Declination, inclination and horizontal intensity values are listed wherever available. At those northern stations where horizontal intensity is less than 1000 gammas (0.1 oersteds) the value of vertical intensity is also included. At all other stations the vertical intensity may be calculated from the equation $Z = H \tan I$.

Instrumental Equipment

Magnetometers—

Fluxgate induction magnetometer (Serson pattern)
Nos. 1 to 12.

Transistorized fluxgates (Serson and Nichols) Nos.
T1 to T4.

Gurley transit compass No. 9300.

P.I.C. No. 104 (Carnegie Institution, Washington).

C.I.W. No. 20 magnetometer.

Dover dip circle No. 212.

Chronometers—

Nardin half-seconds chronometer No. 19726.

Nardin half-seconds chronometer No. 19728.

Longines stop-watch serial No. 603,9482.

Longines stop-watch serial No. 604,0959.

Kittel pocket watch No. 261.

Field equipment—

Hallicrafter portable short-wave receivers.

Dominion Observatory bronze tablets.

Lufkin steel measuring tapes, 100 ft.

Camping gear, tools and eiderdown robes, as supplied by Equipment Depot.

Standardization

Intercomparison of standards was carried out at the magnetic observatories when field parties were in the vicinity. Station difference from a pier in the Observatory absolute room to a field station bench mark was determined. The constants for each instrument coil and standard cell were checked before and after each observational season. Considerable drift in the coefficients for each coil was detected, and corrections applied assuming a linear rate of drift during the season. The change of the coefficients with time is described in *Contr. Dom. Obs.*, Vol. 1, No. 18, p. 238. (Serson and Hannaford, 1956) (2).

The latest version of the fluxgate type instrument employs a temperature compensated standard cell, so that only the saturable-core coil must be standardized semi-annually, and the amount of drift has been reduced considerably. (Whitham, 1960). (3).

Reduction of Data

The usual practice was followed of reducing observations to the mean of the day using diurnal variation curves for the area, whenever available. Corrections to the mean of the month are then applied. Observatory magnetograms are examined for the times of observation and disturbance errors eliminated in so far as possible. The disturbance errors may become large at stations more than 100 miles from an observatory.

Probable errors due to observational mistakes, standardization determinations, drift of constants at non-linear rate, diurnal, and transient fluctuations have been considered. For declination the error ranges from zero to two minutes of arc south of latitude 60°, and increases to a maximum of about five minutes of arc north of 60° N. For inclination measurements the error

seldom exceeds 0.5 minutes of arc. The horizontal intensity values are correct to the nearest fifteen gammas (15×10^{-5} oersted) at the majority of stations. Near the north magnetic dip pole all measurements are subject to much greater errors; Resolute Bay magnetic observatory supplies records for correction of these data. For relevant material see *Pubs. Dom. Obs.* Vol. XXIII, No. 3, Ross, W. E. (1959), (4), and Vol. XXVI No. 2, Loomer, E. I., 1961, (5).

Geographical Positions

The most accurate charts available from aerial photography mapping were used to determine positions of stations. Wherever possible, bench marks were located near geodetic monuments of precisely known latitude and longitude. Occasionally, station co-ordinates were found from astronomical piers or monuments. (*Pub. Dom. Obs.* Vol. V, No. 6) (6). It is general practice to locate geomagnetic stations close to those of other survey divisions wherever practicable, to enable more accurate plotting of charts. Where new magnetic stations were established away from known control points, astronomical observations were taken at the site, by the methods described in U.S. Department of Commerce *Magnetic Manual* (Hazard, 1938), (7) or using the position-line method adapted to the surveys' requirements. All the latitudes are north of the equator, and all of the longitudes listed are west of Greenwich meridian.

The Cooke transits in use by the Division have a horizontal circle accurate to one-fifth of a minute of arc, and positions determined with it are usually accurate to 0.2' of latitude and to approximately 0.5' of longitude, or better.

Azimuths of the reference objects or marks are correct to the same order of accuracy. The azimuths are determined from observations on the sun or Polaris at most points. The abridged *Nautical Almanac* is the authority for the necessary information. Other pertinent facts appear in *Measurement of the Geomagnetic Elements*, Whitham (1960), pp. 108-147, (3).

Selection of Stations

The original magnetic stations were established with a view to permanency and ease of re-occupation. Where the primary station (Station A) becomes unavailable, another one, B, is established some distance away but in the same area, perhaps a quarter-mile or less removed from A. Should B also become unavailable a third station C is established in the same locality. A 'repeat' station is one which has been successfully re-occupied at least once.

Stations farther than one mile away from the original one are referred to by another name. (Whitham and Hoge, 1961), (8). The station name is usually the same as that of the nearest town or city but is occasionally

taken from a geographical feature, or from other surveys nomenclature. Occasionally stations A, B, C... all have the same latitude and longitude but are not close enough together to be considered 'repeat' stations. Station descriptions will be furnished upon request to anyone who requires them.

Acknowledgments

L. Christensen and G. E. Sanders of the Observatory staff assisted greatly with the design and construction of non-magnetic fittings for the theodolite detector coils. H. F. Nichols assisted P. H. Serson and W. Hannaford in designing circuits and computing the calibration tables and instrumental constants.

Miss A. B. Cook of the Dominion Observatory Research Station, Meanook, and W. E. Ross of the Agincourt Ontario Magnetic Observatory, supplied data for the intercomparison and exchange of international magnetic standards. E. Dawson and E. Garland tabulated annual summaries of results from preliminary field notes and records.

Observers in the field included F. Andersen, W. R. Darker, L. C. Dalgetty, E. Dawson, J. T. Eisinger, W. Hannaford, R. D. Hutchison, E. I. Loomer, E. R. Niblett, M. H. and A. A. Onhauser, J. L. Roy, P. H. Serson, K. Whitham and a number of summer assistants. Dr. M. J. S. Innes kindly assisted staff members on several northern expeditions.

Polar Continental Shelf Project personnel secured some magnetic data as did staff of the Geodetic Survey of Canada and the Topographical Survey in the course of their other duties across the country.

R. G. Madill, Chief of the Division during this period, supervised the survey work and assisted in its completion. Dr. C. S. Beals, Dominion Astronomer, supported and encouraged the field program. Grateful acknowledgement is made of the cooperation of all others concerned with the many procedures necessary for publication of the results.

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Magnetic Observations

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value
	°	'	°	'		°	'	°	'	
						West				
Old Perlican.....	48	05.9	52	34.4	1950.6	30	23.6	72	49.5	15806
St. John's.....	47	31.8	52	45.0	1950.6	28	43.5	72	19.4	16193
St. John's.....	47	31.8	52	45.0	1960.5	28	13.9	71	42.1	16793
Cape Race.....	46	39.4	53	04.2	1950.7	27	45.2	71	57.6	16524
Bonavista.....	48	38.5	53	06.5	1950.6	30	23.6	73	18.5	15595
Carbonear.....	47	44.7	53	13.6	1950.6	28	53.2	72	35.8	16000
Spanish Room B.....	47	12.1	55	07.7	1950.7	28	37.5	72	40.4	15997
Battle Harbour.....	52	16.4	55	35.4	1951.6	32	27.0	75	10.5	13929
Battle Harbour (E).....	52	16.4	55	35.4	1960.6	31	37.8	74	48.3	14302
Grand Banks.....	47	05.6	55	49.9	1950.7	27	15.9	73	07.4	15647
Millertown Junction.....	49	00.5	56	19.1	1951.5	29	47.8	74	04.7	15089
Burgeo.....	47	36.6	57	36.0	1951.5	28	34.9	73	23.1	15734
Bonne Bay.....	49	30.8	57	55.4	1951.5	29	12.4	74	35.1	14814
No. 12.....	53	19.0	58	01.5	1951.6	33	22.7	76	41.3	12840
No. 10.....	52	17.6	58	19.2	1951.6	33	17.1	72	33.8	16604
Tuchialik Bay.....	54	47.3	58	26.2	1951.5	34	04.3	77	04.9	12726
St. George's Harbour.....	48	25.9	58	29.4	1951.5	30	00.9	74	40.8	14644
Stephenville.....	48	26.8	58	29.4	1960.6	29	13.8	74	12.3	15080
Port-aux-Basques A.....	47	34.6	59	08.4	1950.7	27	50.7	73	51.8	15392
Port-aux-Basques A.....	47	34.4	59	08.4	1957.6	27	16.4	73	43.5	15481
Port-aux-Basques B.....	47	34.4	59	09.2	1960.6	26	40.8	73	21.4	15838
West Turnavik.....	55	15.8	59	19.9	1960.6	33	27.8	77	54.9	11790
Sable Island East.....	43	58.3	59	45.8	1955.7	24	20.9	71	46.9	17075
Sable Island Centre.....	43	56.4	59	53.0	1955.7	24	19.4	71	45.9	17082
Louisburg Lighthouse.....	45	54.2	59	57.9	1951.6	26	39.2	73	21.7	15769
Louisburg Lighthouse.....	45	54.2	59	57.9	1960.6	26	11.6	72	48.4	16271
Sable Island West.....	43	56.4	60	02.8	1955.7	24	19.7	71	43.5	17114
Northwest River.....	53	31.2	60	08.1	1951.5	34	01.7	77	04.8	12440
Hopedale.....	55	27.1	60	12.0	1960.7	34	56.1	77	36.6	12154
Sydney.....	46	04.9	60	16.0	1957.6	25	42.0	72	58.4	16045
Ingonish.....	46	38.8	60	24.4	1951.6	27	04.4	73	31.1	15789
Goose Bay Airport.....	53	20.0	60	26.5	1851.5	35	44.7	77	17.4	12394
Goose Bay.....	53	19.7	60	26.5	1960.7	36	11.5	76	59.5	12710
Canso.....	45	20.0	60	59.5	1951.6	24	39.6	72	46.4	16360
Lac Bastille.....	51	46.9	61	13.5	1951.6	29	18.0	77	04.7	12812
Inverness.....	46	14.5	61	16.7	1951.6	26	04.1	73	36.3	15902
Gros Ile.....	47	36.9	61	30.8	1955.6	26	55.2	74	19.5	15058
Nain.....	56	32.2	61	41.0	1960.7	38	54.0	78	01.3	11809
Alert, N.W.T.....	82	31.0	61	44.0	1959.6	83	10.0	86	02.9	03821
Dominion Lake.....	52	40.8	61	45.3	1951.7	34	26.4	77	17.7	12364
Amherst.....	47	14.2	61	49.9	1955.6	26	43.3	74	13.5	15165
Grindstone Island.....	47	23.5	61	52.1	1955.6	26	18.4	74	15.3	15156
Seal Lake.....	54	19.4	61	56.0	1951.7	34	05.6	77	37.1	12211
Etang du Nord.....	47	22.5	61	57.6	1955.6	26	21.5	74	25.2	14995
Millerond.....	47	13.7	61	59.3	1955.6	26	21.5	74	29.2	14948
Ecum Secum.....	44	57.8	62	07.4	1951.6	24	13.3	73	02.6	16136
Souris.....	46	21.1	62	13.9	1951.7	24	52.6	73	50.2	15573
Winokapau Lake.....	53	09.2	62	38.9	1951.7	33	08.9	77	15.4	12095
Dumbell Bay.....	82	30.7	62	38.9	1948.6	80	45.3	86	07.3	04032
Padloping.....	66	57.5	62	47.1	1949.6	55	41.4	82	38.4	04398
Charlottetown.....	46	14.0	63	07.4	1951.6	24	53.6	74	09.6	15301
Charlottetown B.....	46	14.0	63	07.4	1957.6	24	33.4	73	50.0	15594
Station No. 44.....	55	13.2	63	09.6	1951.7	37	05.6	76	18.5	11586
Truro B.....	45	21.3	63	16.6	1951.6	23	33.8	73	09.3	16207
Truro C.....	45	21.3	63	16.6	1957.7	23	00.8	72	52.5	16354
Halifax.....	44	37.3	63	34.2	1951.6	22	33.7	73	13.6	16062
Halifax (Pt. Pleasant).....	44	37.3	63	34.2	1957.6	22	26.7	72	54.4	16217
Halifax (Pt. Pleasant).....	44	37.3	63	34.2	1960.6	23	03.6	72	42.0	16498
Bedford Basin.....	44	41.0	63	36.7	1960.6	22	45.9	72	40.0	16529
Summerside.....	46	24.4	63	46.8	1951.6	24	09.4	74	25.8	15040
Lake Marc.....	52	29.6	63	52.0	1951.7	29	56.0	76	00.0	14254
Tignish.....	46	56.4	64	02.1	1951.6	24	56.3	74	59.4	14562
Amherst.....	45	46.2	64	04.7	1951.5	23	32.5	73	53.5	15584
Zeni Lake.....	54	53.3	64	07.9	1951.7	35	49.6	78	30.6	11421
Grand Falls.....	53	37.1	64	16.1	1951.5	27	47.6	77	24.7	12618

Magnetic Observations—Continued

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value γ
	°	'	°	'		°	'	°	'	
						West				
Acadia University	45	06.0	64	22.0	1951.6	22	36.6	73	27.1	15953
Kingsport	45	11.2	64	23.5	1960.7	22	21.6	72	58.1	16425
Gaspé	48	49.9	64	29.5	1951.7	25	44.5	75	35.2	14064
Unknown River	53	28.2	64	38.9	1951.7	29	59.5	77	35.5	12218
Henrietta Lake	57	09.3	64	42.0	1951.6	36	07.3	79	26.6	10491
Indian House Lake	56	14.3	64	44.2	1951.5	36	40.8	79	08.3	10784
Resolution Island	61	18.5	64	44.2	1951.5	44	44.9	81	21.9	08616
Port Burwell	60	24.7	64	51.2	1948.7	39	29.6	80	50.0	09100
Moncton C.	46	08.7	64	53.9	1951.5	23	26.8	74	28.7	15142
Fundy Park	45	35.6	64	57.2	1957.6	23	15.4	73	31.2	15989
Shelburne	43	44.8	65	19.8	1957.7	21	14.0	72	54.9	16359
Ossko Manuan Lake	53	25.4	65	20.0	1951.7	33	56.0	78	33.5	11056
Cap Madeleine	49	15.6	65	20.5	1952.6	26	43.4	75	57.0	13921
Annapolis	44	45.0	65	31.2	1951.6	22	08.2	73	31.4	15879
Annapolis Royal	44	45.0	65	31.2	1957.7	21	59.0	73	11.6	16152
Annapolis Royal	44	45.0	65	31.2	1960.7	21	56.6	73	02.0	16352
Dillon Lake	55	05.6	65	39.5	1951.6	34	20.6	78	52.5	11014
Lac Champ Doré	56	05.2	65	42.0	1951.6	32	40.1	79	28.9	10460
Korok River	58	46.0	65	44.0	1951.6	38	46.5	80	27.0	09500
Pangnirtung	66	08.7	65	44.6	1951.6	53	31.4	83	24.1	06622
Lac Girardin	57	58.8	65	59.4	1953.7	36	00.7	80	06.4	10000
McNeil Lake	55	05.6	66	00.0	1951.6	40	20.8	79	03.1	11008
Retty Lake	55	15.0	66	05.0	1951.7	34	12.0	78	57.3	10899
Doaktown	46	33.7	66	07.3	1953.6	23	11.7	74	52.3	14746
St. John, N.W.	45	14.5	66	08.0	1957.7	22	25.4	73	36.0	15870
Marian Lake	56	43.9	66	11.4	1951.6	36	56.0	79	50.1	10133
Marbrella Lake	55	04.6	66	11.5	1951.7	44	14.0	78	53.8	10916
Walsh Lake	55	10.0	66	21.0	1951.7			79	11.9	10698
Seven Islands	50	11.2	66	22.0	1951.7	26	30.8	77	01.2	12974
Walsh Lake	55	12.0	66	22.0	1951.7	20	40.0	79	45.7	10311
Menihék Lake	53	48.7	66	24.5	1951.5	31	48.3	78	37.0	11371
Tonguay Lake	55	03.0	66	25.0	1951.7			79	04.4	10855
Fowler Lake	46	47.0	66	25.0	1957.6	23	25.6	74	44.7	14952
House Lake	56	06.6	66	28.0	1951.6	31	22.7	79	00.2	10955
Montreal Bay	54	56.4	66	31.5	1951.7	34	26.0	79	35.2	10268
Iron Arm Lake	54	54.0	66	36.3	1951.7	24	20.0	78	22.6	11358
Cap-Chat	49	05.9	66	42.0	1952.6	25	07.4	76	17.2	13654
Knob Lake Airport	54	50.5	66	42.5	1951.7	34	23.0	79	05.6	10645
Fredericton	45	59.4	66	44.6	1951.5	22	25.1	74	35.6	15078
Fredericton	45	59.2	66	44.6	1957.6	22	10.2	74	17.4	15321
Dolly Ridge	54	49.2	66	45.4	1951.7	30	27.6	78	49.0	11038
Dolly Ridge B.	54	49.2	66	45.4	1951.7	21	00.0	79	47.8	10767
Grand Manan	44	39.7	66	48.4	1953.5	21	24.2	73	26.8	16066
Knob Lake	54	48.4	66	49.4	1951.5	30	26.9	78	22.8	11773
Knob Lake	54	48.4	66	49.4	1953.5	31	00.2	78	14.8	12007
Slimy Beacon	54	48.3	66	51.3	1951.7	25	05.0	77	45.0	11788
Edith Lake	54	46.2	66	52.6	1951.6	24	12.5	76	35.8	12967
Ruth Beacon	54	47.4	66	52.8	1951.7	37	15.0	78	22.0	11325
Matapédia	47	58.5	66	57.8	1951.7	24	03.6	75	50.8	13878
St. Andrews	45	04.0	67	02.5	1953.6	20	52.1	74	07.9	15515
Lac le Prévost	53	25.4	67	12.6	1951.6	30	43.5	78	26.6	11522
Mt. Wright	52	46.0	67	20.0	1951.6	23	30.0	79	52.4	09920
Kedgwick	47	38.5	67	21.0	1953.6	23	17.0	75	34.5	14215
Ste-Croix	45	34.1	67	25.4	1953.6	20	51.1	74	32.1	15087
Matane	48	50.8	67	32.3	1952.6	25	02.3	76	15.1	13755
Wakuach Lake	55	35.6	67	34.6	1951.6	32	32.5	79	45.0	10383
Woodstock C.	46	09.2	67	34.7	1951.5	21	17.5	74	55.3	14755
Woodstock	46	09.2	67	34.7	1953.6	21	18.9	74	49.9	14856
Perth	46	43.9	67	42.1	1953.6	22	02.7	75	09.0	14589
Lac Romanat	56	14.4	67	46.0	1951.6	35	55.1	79	44.9	10293
Little Manicouagan Lake	52	01.2	67	46.5	1951.6	27	54.5	78	03.2	11918
Otelnuk Lake	56	01.3	68	03.0	1951.6	34	57.9	79	53.2	10222
Baie-Comeau	49	13.0	68	09.5	1951.6	26	21.6	76	16.3	13712
Beacon Point	58	32.2	68	12.1	1951.6	38	54.9	80	52.1	09238
Eaton Canyon	55	33.6	68	13.0	1951.6	34	23.2	79	34.5	10444

Magnetic Observations—Continued

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value
	°	'	°	'		°	'	°	'	
						West				
Station No. 7.....	53	46.4	68	13.0	1951.5	31	41.7	79	07.0	10932
Otelnuke Lake.....	56	07.8	68	16.4	1951.5	33	51.6	80	00.8	09976
Fort-Chimo.....	58	08.6	68	18.1	1951.5	39	14.4	80	36.3	09463
Edmundston.....	47	22.0	68	20.2	1957.6	22	23.9	75	19.5	14462
Edmundston.....	47	21.9	68	20.3	1953.6	22	26.2	75	37.3	14202
Lac St-Pierre.....	50	09.0	68	23.0	1951.6	24	50.3	77	20.4	12576
Chimo.....	58	06.6	68	25.2	1953.6	40	11.8	80	41.3	09436
Frobisher Bay Airport.....	63	45.0	68	32.8	1951.7	48	18.5	82	30.4	07559
River Clyde A.....	70	27.3	68	33.7	1951.6	59	46.9	84	35.8	05397
River Clyde B.....	70	27.2	68	33.8	1949.7			84	25.6	05477
River Clyde B.....	70	27.2	68	33.8	1951.6	61	18.0	84	24.5	05599
Bersimis.....	48	56.1	68	39.2	1952.5	21	41.9	77	13.2	12927
Thule.....	76	31.8	68	45.0	1948.6	76	32.8	85	32.9	04590
Fort McKenzie.....	56	49.8	68	57.6	1951.6	38	00.7	80	32.7	09514
Station No. 6.....	54	43.1	69	02.4	1951.5	30	03.9	79	11.5	10866
Rivière-du-Loup B.....	47	51.6	69	34.0	1951.7	21	57.2	75	59.7	13962
Forbes Lake.....	57	17.4	69	50.0	1951.7	36	52.6	80	24.6	09776
Lake Harbour.....	62	50.7	69	53.4	1951.6	46	55.3	82	49.5	07270
Methy Lake.....	55	57.8	69	54.8	1951.6	32	49.4	79	53.2	09885
Payne Bay.....	60	00.8	70	02.1	1953.5	44	03.5	82	05.5	08040
Murray Bay B.....	47	38.4	70	08.0	1952.6	21	06.1	75	59.3	14010
Murray Bay B.....	47	38.4	70	08.0	1957.6	20	54.2	75	47.3	14191
Bagotville B.....	48	20.4	70	52.9	1952.5	21	45.2	77	21.7	12719
Lake Megantic.....	45	34.1	70	53.2	1951.4	18	27.9	75	12.1	14655
Number Thirteen.....	59	18.1	70	56.1	1953.6	25	51.0	83	36.3	06544
Larch Lake.....	57	37.9	71	11.0	1953.6	29	17.6	81	37.3	08645
Quebec B.....	46	48.0	71	13.2	1951.5	19	29.9	75	31.4	14477
Quebec City B.....	46	48.0	71	13.2	1957.5	19	11.4	75	19.6	14646
Lac Snafu.....	60	43.2	71	24.7	1953.6	42	49.1	82	31.8	07673
Wakeham Bay A.....	61	41.8	71	54.8	1948.7	43	45.7	82	59.0	07078
Wakeham Bay B.....	61	36.0	71	56.3	1953.6	43	04.7	82	49.0	07305
Ayer's Cliff.....	45	09.6	72	01.5	1951.4	17	09.6	74	53.6	14969
Ayer's Cliff.....	45	09.6	72	01.5	1957.5	17	01.5	74	38.6	15172
Roberval B.....	48	23.1	72	13.6	1952.5	19	49.3	76	47.4	13436
Roberval C.....	48	31.6	72	12.8	1953.5	19	58.3	76	47.6	13426
Shawinigan Falls B.....	46	33.8	72	44.9	1951.7	15	55.3	75	52.2	14231
Lac Becard.....	60	03.0	73	20.5	1953.5	41	37.8	82	28.8	07762
New Quebec Crater No. 2.....	61	17.3	73	38.3	1953.6	41	49.5	83	21.0	06848
New Quebec Crater No. 3.....	61	16.0	73	39.4	1953.6	40	17.2	83	47.8	06401
New Quebec Crater No. 1.....	61	17.8	73	40.4	1953.6	40	09.2	83	18.7	06852
Museum Lake.....	61	19.3	73	41.1	1953.6	43	35.2	83	21.7	06836
Dune Lake.....	58	31.2	73	45.0	1953.6	31	43.7	82	13.2	08029
Mistassini Lake.....	50	27.4	73	53.5	1952.6	20	45.4	78	15.2	11968
Echo L.....	45	52.8	74	01.0	1954.6	14	48.6	76	23.4	13657
Huntingdon.....	45	05.6	74	10.0	1951.4	14	12.8	75	41.7	14511
Huntingdon.....	45	05.6	74	10.0	1954.6	14	08.3	75	33.7	14635
Huntingdon.....	45	05.6	74	10.0	1957.5	14	06.3	75	23.7	14785
Huntingdon.....	45	05.6	74	10.0	1961.9	14	19.7	75	20.0	14824
Pt. au Baudet.....	45	12.1	74	19.4	1954.5	15	21.1	75	23.7	14664
Lachute.....	45	40.0	74	20.0	1951.4	15	20.5	75	29.5	14716
Lachute A.....	45	40.0	74	20.0	1954.5	15	18.8	75	23.1	14819
Lachute A.....	45	40.0	74	20.0	1957.5	15	14.2	75	17.8	14884
Lachute B.....	45	39.3	74	20.0	1958.4	15	14.1	75	10.5	15054
Lachute B.....	45	39.3	74	20.0	1961.9	15	26.5	74	57.7	15212
Chibougamau.....	49	44.5	74	23.9	1952.5	18	11.9	77	52.1	12408
Alexandria.....	45	18.3	74	38.0	1954.5	13	55.2	75	12.1	14866
Alexandria.....	45	18.3	74	38.0	1957.5	13	48.7			15049
Lac à la Culotte.....	47	21.4	74	38.5	1950.8	15	48.8	76	40.0	13590
Cornwall.....	45	01.4	74	47.0	1957.5	14	19.2	74	50.4	15338
Pine Lake Depot.....	47	02.8	74	54.5	1950.8	16	48.1	76	20.8	13772
Carrière Depot.....	47	28.0	74	57.5	1950.8	16	55.4	76	51.6	13500
Casselman, Ont.....	45	19.1	75	04.9	1954.5	14	25.9	75	36.0	14802
Menjo Depot.....	47	08.2	75	06.7	1950.8	16	01.1	76	21.1	13969
Thurso.....	45	36.0	75	14.5	1955.7	10	58.1	75	28.4	14637
Lac Couture.....	60	13.2	75	17.4	1953.6	38	29.2	82	56.5	07298

Magnetic Observations—Continued

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value
	°	'	°	'		°	'	°	'	
						West				
Sugluk	62	12.6	75	18.1	1951.5	41	38.9	83	41.0	06484
New Iroquois	44	51.5	75	19.2	1958.4	13	24.7	74	48.0	15216
New Iroquois	44	51.5	75	19.2	1961.9	13	27.0	74	44.8	15245
Ste-Anne-du-Lac A	46	52.7	75	19.7	1950.8	13	13.9	75	24.4	15788
Ste-Anne-du-Lac B	46	52.7	75	19.8	1950.8	14	46.3	75	12.2	15070
Ste-Anne-du-Lac C	46	52.6	75	20.1	1950.8	14	44.4	77	52.6	12540
Mont-Laurier	46	33.5	75	31.1	1950.8	11	22.9	76	19.0	14030
Mont-Laurier	46	33.5	75	31.1	1955.7	11	22.3	76	07.5	14227
Sloe Depot	47	22.5	75	37.3	1950.8	15	01.3	76	58.7	13313
Notre-Dame-du-Laus	46	05.2	75	38.3	1955.7	14	27.3	75	28.0	14523
Ottawa Laboratory	45	23.4	75	42.0	1959.4	13	35.7	75	07.4	14892
Long Island Huts	45	15.2	75	42.8	1958.4	13	08.1	75	22.5	14645
Long Island Huts	45	15.2	75	42.8	1959.4	13	11.3	75	17.5	14640
Long Island Huts	45	15.2	75	42.8	1960.6	13	15.4	75	17.0	14720
Long Island Huts	45	15.2	75	42.8	1961.5	13	10.5	75	13.5	14774
Ottawa Dom. Obs.	45	23.7	75	43.0	1952.4	14	21.7	75	24.5	14612
Poltimore	45	47.2	75	43.2	1955.7	13	48.1	75	50.3	14287
Alexandra Fiord	78	53.8	75	45.9	1954.6	101	39.0	86	38.4	03291
Chukotat L.	61	22.0	75	49.2	1953.6	38	15.7	83	19.8	06835
Maniwaki	46	22.7	75	58.8	1950.8	13	45.2	75	58.8	13948
Kazabazua	45	57.0	76	01.0	1950.8	12	43.7	75	43.4	14441
La Croix Depot	46	43.1	76	01.2	1950.8	14	29.9	76	15.2	13980
Richmond Gulf	56	06.6	76	04.0	1952.5	27	10.6	81	39.1	08654
Trout Depot	47	23.6	76	06.8	1950.8	14	36.7	76	51.0	13381
Twin Glaciers	78	49.7	76	13.0	1953.6	103	54.5	86	36.7	03315
Denbigh	45	08.1	76	16.5	1955.6	10	42.9	75	14.4	14839
Christie Lake	44	48.7	76	26.1	1954.7	12	09.8	74	49.7	15169
Perth Road	44	27.8	76	30.0	1955.6	07	18.3	75	58.5	13901
O'Connell Lodge	47	03.1	76	31.8	1950.9	14	06.1	76	41.8	13539
Cape Dorset B	64	14.0	76	32.5	1951.6	47	23.9	84	41.1	05425
Sydenham Lake	44	25.1	76	32.9	1955.6	08	06.6	76	11.1	13894
Cape Dorset A	64	13.6	76	34.0	1950.6	49	12.0	84	41.9	05422
Holleford Crater	44	28.0	76	37.0	1960.5	12	20.5	74	29.2	15475
Holleford Jct.	44	28.3	76	37.5	1956.8	12	16.1	74	41.5	
Beachburg	45	44.8	76	51.6	1955.6	11	51.9	75	52.4	14341
Kirk Cove	44	48.4	76	58.5	1954.7	10	20.9	75	31.3	14648
Tweed B	44	30.1	77	18.6	1955.6	12	41.7	75	11.1	14809
Belleville B	44	07.1	77	22.6	1953.5	10	20.1	74	44.8	15137
Wolstenholme	62	31.9	77	23.9	1948.7			84	12.0	
Combermere	45	21.0	77	36.6	1954.5	10	39.3	75	30.6	14696
Great Whale River	55	16.6	77	46.2	1952.5	20	48.5	81	08.6	09204
Bancroft B	45	04.7	77	52.4	1955.6	09	35.3	75	59.8	14190
Bancroft B	45	04.7	77	52.4	1958.4	09	34.6	75	54.4	14315
Ivugivik	62	25.6	77	53.5	1951.5	42	48.9	85	03.1	05103
Pond Inlet	72	41.7	77	58.3	1948.6			86	25.0	03619
Pond Inlet	72	41.7	77	58.3	1951.7	79	10.7	86	26.6	03554
Mount Julian	44	33.8	78	06.0	1954.6	10	37.6	75	05.7	15108
Port Harrison	58	26.5	78	08.3	1951.6	31	08.0	82	59.1	07681
Whitney	45	29.5	78	14.3	1954.6	10	19.9	75	27.3	14587
Cape Smith	60	44.3	78	28.2	1951.6	34	09.3	83	43.7	06433
Brent	46	01.8	78	28.4	1956.5	10	29.7	76	00.0	14192
Source Lake	45	34.1	78	38.3	1954.6	06	47.9	76	33.0	13823
Taschereau	48	40.2	78	41.1	1950.9	13	10.0	77	45.4	12575
Mattawa C	46	19.5	78	42.7	1950.9	10	27.1	76	30.3	13764
Rupert's House	51	29.2	78	44.9	1952.6	16	53.3	79	29.3	10882
Belcher Islands	56	12.1	78	52.5	1952.5	21	37.5	81	49.1	08516
Fort George	53	49.8	78	59.5	1952.5	20	14.6	80	58.0	09571
Fox Point	45	15.7	78	59.8	1954.6	08	50.5	75	28.6	14655
Fox Point	45	15.7	78	59.8	1956.5	08	52.2	75	23.4	14788
Huntsville	45	21.5	79	13.0	1956.5	09	48.5	75	33.7	14502
Agincourt	43	47.0	79	16.0	1948.5	07	22.8	74	44.7	15355
Agincourt	43	47.0	79	16.0	1949.5	07	21.1	74	43.4	15362
Agincourt	43	47.0	79	16.0	1950.5	07	22.0	74	41.1	15430
Agincourt	43	47.0	79	16.0	1951.5	07	17.2	74	40.0	15419
Agincourt	43	47.0	79	16.0	1952.5	07	15.7	74	38.2	15445

Magnetic Observations—Continued

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value
	°	'	°	'		°	'	°	'	
						West				
Agincourt.....	43	47.0	79	16.0	1953.5	07	15.2	74	35.9	15487
Agincourt.....	43	47.0	79	16.0	1954.5	07	16.0	74	33.8	15522
Agincourt.....	43	47.0	79	16.0	1955.5	07	16.4	74	31.3	15562
Agincourt.....	43	47.0	79	16.0	1956.5	07	16.8	74	29.4	15601
Agincourt.....	43	47.0	79	16.0	1957.5	07	19.1	74	26.8	15642
Agincourt.....	43	47.0	79	16.0	1958.5	07	19.7	74	24.2	15686
Agincourt.....	43	47.0	79	16.0	1959.5	07	18.8	74	21.2	15739
Agincourt.....	43	47.0	79	16.0	1960.5	07	19.7	74	18.1	15797
Agincourt.....	43	47.0	79	16.0	1961.5	07	19.7	74	13.8	15864
Kashi Lake.....	44	51.2	79	18.1	1954.6	06	55.8	76	40.4	14288
Sundridge.....	45	44.0	79	24.2	1954.6	09	24.0	75	59.0	14283
North Bay B.....	46	19.8	79	24.7	1954.9	12	17.3	76	42.4	13765
North Bay C.....	46	19.8	79	24.7	1956.5	09	40.7	76	39.3	
Minett.....	45	09.9	79	38.9	1954.6	08	28.9	75	23.0	14773
New Liskeard C.....	47	28.0	79	39.0	1956.5	09	50.7	77	02.2	13260
New Liskeard A.....	47	30.6	79	40.4	1950.9	10	09.1	77	14.3	13068
New Liskeard B.....	47	30.6	79	40.8	1954.9	10	01.4	77	06.5	13180
Larder Lake.....	48	06.0	79	43.0	1950.7	12	40.9	77	54.5	12386
Restoule.....	46	02.9	79	43.7	1954.6	09	32.0	75	52.6	14375
Burlington.....	43	20.5	79	50.0	1953.5	07	01.1	74	18.1	15840
Wasaga Beach.....	44	31.9	80	00.8	1954.6	07	53.9	75	12.3	15006
Wasaga Beach.....	44	31.9	80	00.8	1956.8	07	58.7	75	08.3	
Wasaga Beach.....	44	31.9	80	00.8	1958.7	07	52.4	75	01.8	15140
Moose Factory.....	51	15.0	80	36.6	1952.6	17	49.8	80	09.0	10551
Owen Sound.....	44	33.8	80	56.0	1953.5	07	10.8	75	04.6	15105
Sudbury E.....	46	30.0	80	57.2	1956.5					14013
Sudbury C.....	46	30.9	80	58.6	1958.6	08	23.5	75	57.0	14372
Sudbury D.....	46	31.0	80	59.0	1956.5	08	35.8	76	05.0	14270
Craig Harbour.....	76	11.9	81	01.8	1951.7	90	21.6	87	49.6	02220
Craig Harbour.....	76	11.8	81	01.8	1953.6			87	50.6	02195
Craig Harbour.....	76	11.9	81	01.8	1954.6	86	30.0	87	47.8	02238
Cochrane B.....	49	04.2	81	01.9	1950.7	10	28.4	78	05.6	12303
Cochrane B.....	49	04.2	81	01.9	1952.7	10	21.7	78	01.8	12399
Cochrane B.....	49	04.2	81	01.9	1954.9	10	21.6	77	57.5	12423
Cochrane B.....	49	04.2	81	01.9	1956.5	10	11.5	77	52.8	12546
Timmins B.....	48	28.6	81	19.8	1954.9			77	43.7	12660
Fort Albany.....	52	14.3	81	36.7	1952.6	12	33.6	79	48.4	10672
Tobermory.....	45	15.4	81	40.5	1953.5	08	21.2	75	26.0	14928
Tobermory.....	45	15.4	81	40.5	1961.7	8	39.5	75	07.5	15204
Goderich B.....	43	44.9	81	42.9	1953.5	05	39.4	74	27.2	15749
Igloolik.....	69	22.5	81	48.1	1949.6	61	12.4	86	49.1	03238
Ten-Mile Point.....	45	52.5	81	51.5	1953.5	06	20.7	76	20.3	13976
Ten-Mile Point.....	45	52.5	81	51.5	1956.5	06	09.9	76	15.8	14029
Attawapiskat.....	52	55.2	82	25.9	1952.6	12	46.0	80	25.2	10051
Dundas Harbour.....	74	31.2	82	36.0	1951.7	95	59.0	86	55.6	03098
Dundas Harbour.....	74	31.2	82	36.0	1954.6	90	42.0	87	01.0	03000
Essex B.....	42	10.4	82	49.4	1953.5	02	51.3	73	18.5	16761
Cape Joy.....	73	38.5	82	57.6	1954.6	81	36.0	87	20.0	02610
Meldrum Bay.....	45	55.6	83	07.2	1953.5	04	43.9	76	26.3	13815
Meldrum Bay.....	45	55.6	83	07.2	1956.5	04	44.5	76	20.7	13887
Southampton Island.....	64	07.8	83	10.9	1948.7	40	06.6	80	49.9	04449
Southampton Island.....	64	07.8	83	10.9	1951.6	37	42.6	85	33.5	04639
Coral Harbour Airport.....	64	11.4	83	21.5	1950.6	28	46.1	86	09.8	03957
Croker Bay.....	74	38.5	83	22.8	1954.6	83	36.0	87	17.0	02700
Hearst C.....	49	41.1	83	40.1	1950.7	08	18.5	78	31.4	11954
Hearst C.....	49	41.1	83	40.1	1952.7	08	10.2	78	28.9	12008
Hearst C.....	49	41.4	83	40.1	1954.9	8	14.1	78	27.0	11964
Hearst C.....	49	41.1	83	40.1	1956.6	08	04.7	78	22.1	12111
Sault Ste. Marie B.....	46	30.0	84	18.0	1952.6	04	37.1	76	41.8	13782
Sault Ste. Marie B.....	46	30.0	84	18.0	1956.8	04	28.4	76	35.0	
Sault Ste. Marie C.....	46	30.0	84	18.0	1961.7	4	33.3	76	22.5	14051
Big Lake.....	53	01.4	84	49.2	1952.6	09	00.1	80	39.8	09864
Arctic Bay.....	73	02.4	85	11.9	1951.7	84	16.0	87	29.4	02533
Weenusk (HBC Post).....	55	15.7	85	12.0	1952.6	12	02.8	82	15.0	08180
Ogoki Trading Post.....	51	38.4	85	56.2	1952.6	05	49.5	80	03.1	10439

Magnetic Observations—Continued

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value γ
	°	'	°	'		°	'	°	'	
						West				
Repulse Bay	66	33.0	86	12.7	1949.6	40	19.4			03170
Repulse Bay B	66	32.8	86	12.7	1949.6	40	17.2	86	56.7	03168
Hobhouse Inlet	74	27.1	86	15.0	1949.6	85	40.4	87	55.4	02089
Berlinguette Inlet	71	02.8	86	28.0	1949.6	67	21.2	87	26.5	02613
Longlac B.	49	45.8	86	33.0	1952.6	02	59.7	78	23.5	12172
Nakina	50	10.3	86	43.0	1952.6	03	36.7	78	56.8	11554
Schreiber B.	48	49.0	87	15.5	1952.6	02	37.5	77	55.3	12551
Fort Severn (HBC)	56	00.0	87	37.0	1952.6	06	56.3	82	42.6	07771
Lansdowne House	52	13.5	87	52.6	1952.6	04	15.4	80	06.1	10433
Fort Hope	51	33.6	87	59.6	1952.6	05	38.7	80	35.1	09854
Nipigon	49	00.6	88	16.0	1952.6	00	17.9	78	01.6	12545
Silver Islet	48	20.0	88	49.5	1956.6	01	02.6	77	36.2	12949
Armstrong	50	18.0	89	02.0	1952.6	01	00.3	79	08.0	11532
						East				
Twin City Jct. C.	48	22.3	89	25.0	1950.7	01	18.3	77	33.3	12998
Twin City Jct. C.	48	22.3	89	25.0	1952.6	01	19.7	77	28.6	13123
Twin City Junction	48	22.3	89	25.0	1956.6	01	22.4	77	21.6	13194
Twin City Junction	48	22.3	89	25.0	1958.5	01	24.0	77	18.5	13260
Twin City Junction	48	22.3	89	25.0	1961.5	01	20.5	77	10.0	13375
Pigeon River	48	00.8	89	42.1	1956.8	04	01.0	77	58.5	
Pigeon River	48	00.8	89	42.1	1961.7	03	58.5	77	49.5	12548
						West				
Pelly Bay	68	32.1	89	48.8	1949.6	45	23.9	87	51.7	02226
Big Trout Lake	53	8.9	89	53.2	1952.6	03	46.7	81	05.7	09354
						East				
Upsala	49	02.2	90	27.7	1952.6	02	32.3	77	40.7	12958
Savant Lake	50	14.0	90	42.8	1952.6	02	13.0	78	23.8	12247
						West				
Wager Bay	65	55.6	90	48.6	1949.6	19	48.5	87	19.4	02803
						East				
Ignace B.	49	25.1	91	40.7	1952.6	04	06.3	78	00.9	12626
Ignace B.	49	25.1	91	40.7	1956.6	04	08.0	77	52.2	12762
						West				
Beechy Island	74	42.9	91	47.5	1949.6	94	51.1	88	35.4	01442
Beechy Island	74	42.9	91	47.5	1954.6	90	24.0	88	35.8	01411
Union Bay	74	44.5	91	50.8	1949.6	93	42.9	88	37.3	01387
						East				
Sioux Lookout C.	50	04.8	91	55.4	1952.6	01	49.5	78	01.0	12491
Dryden	49	47.4	92	49.4	1950.7	06	22.9	78	49.3	11629
Dryden A.	49	47.4	92	49.4	1952.6	06	22.4	78	46.3	11711
Dryden B.	49	47.4	92	49.4	1956.6	06	20.5	78	37.0	11825
Fort Frances B.	48	37.5	93	21.0	1956.8	04	54.0	76	58.3	
						West				
Spence Bay	69	32.5	93	32.0	1949.6	46	38.3	88	53.9	01137
Cunningham Inlet	74	06.0	93	45.0	1949.6	90	57.9	88	52.1	01138
Union River	72	46.6	93	57.0	1949.6	73	23.4	88	59.9	01019
						East				
Eskimo Point	61	07.2	94	02.0	1950.5	00	42.3	85	00.2	05332
Churchill Airport	58	45.2	94	04.5	1950.6	02	26.5	83	59.1	06385
Churchill Airport	58	45.2	94	04.5	1951.6	02	55.0	83	57.3	06444
Churchill C.	58	47.2	94	11.4	1948.7	02	43.7	83	57.4	06431
Churchill C.	58	47.2	94	11.4	1950.6	02	57.6	83	50.5	06519
Churchill C.	58	47.2	94	11.4	1951.6	03	42.1	83	47.9	06603
Churchill (Cape Merry)	58	47.2	94	11.4	1958.6	02	15.0	83	40.3	06732
Churchill (Cape Merry)	58	47.2	94	11.4	1959.4	03	43.0	83	32.8	06860
Churchill B.	58	44.7	94	14.5	1950.6	03	44.8	83	52.3	06520
Kenora C.	49	46.2	94	28.0	1956.6	06	42.0	77	40.3	12982
Rainy River B.	48	43.3	94	35.0	1956.8	07	09.6	76	58.6	

Magnetic Observations—Continued

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value γ
	°	'	°	'		°	'	°	'	
West										
Resolute Bay	74	41.4	94	53.4	1954.6	96	48.1	89	07.6	00879 (57712)*
Resolute Bay B.	74	41.4	94	53.4	1958.6	94	32.2	89	10.3	00839 (58078)*
Barrow Harbort.	76	36.4	95	37.0	1949.6	118	53.4	88	51.3	01148
Pasley Bay	70	42.0	95	53.1	1948.6	24	49.7	88	59.1	01046
Lake Franklin	66	52.9	96	05.7	1949.6	07	08.0	88	01.0	02075
East										
Padlei	61	54.5	96	40.0	1950.5	07	30.8	85	18.9	04941
Selkirk A.	50	08.8	96	52.7	1950.7	08	36.5	77	50.8	12763
Selkirk B.	50	08.7	96	52.7	1956.7	08	39.9	77	42.3	13054
Selkirk B.	50	08.7	96	52.7	1961.5	08	42.8	77	31.5	13074
Emerson C.	49	00.2	97	12.0	1950.7	08	53.5	76	56.4	13646
Emerson C.	49	00.2	97	12.0	1956.7	08	49.2	76	45.7	
Norway House	53	59.0	97	50.2	1961.5	09	45.7	80	14.6	10442
Cape Svane Decca	78	48.1	98	10.2	1960.6	121	23.0			
Gladstone	50	13.3	98	57.2	1950.7	11	26.0	77	43.2	12898
Nueltin Lake	60	02.2	99	49.6	1949.5	13	18.2	83	50.6	03804
Brandon B.	49	52.0	99	58.8	1950.7	12	16.7	77	15.3	13412
Brandon A.	49	52.0	99	58.8	1953.6	12	13.6	77	08.5	13526
Brandon A.	49	52.0	99	58.8	1956.7	12	15.5	77	04.3	13532
Brandon B.	49	52.0	99	58.8	1958.7	12	08.1	76	59.6	13611
Brandon B.	49	52.0	99	53.8	1961.5	12	11.5	76	54.0	13757
West										
Meighen Island	80	00.2	100	00.2	1960.4	152	30.4	88	53.7	01094
East										
Peace Gardens	49	00.0	100	03.5	1953.6	12	16.8	76	29.5	14151
Peace Gardens	49	00.0	100	03.5	1959.7	12	00.0	76	22.7	
Dauphin	51	09.0	100	04.0	1950.7	12	12.6	78	03.7	12697
Ommaney Bay	73	15.7	100	21.0	1949.6	46	26.7	89	46.0	00238
Pelly Lake	65	54.7	100	45.6	1949.6	18	10.7	87	02.3	03122
Lynn Lake	56	51.4	101	02.5	1961.5	13	37.6	81	12.0	09337
The Pas Airport	53	58.0	101	05.6	1949.5	14	13.5	79	53.4	10911
The Pas B.	53	50.0	101	14.0	1961.5	14	48.4	79	23.0	11246
Swan River B.	52	06.8	101	15.5	1950.7	15	06.0	78	47.5	11914
Swan River C.	52	06.8	101	15.6	1961.6	15	07.2	78	25.5	12280
Internat. Boundary No. 672A	49	00.0	101	17.9	1953.6	13	40.7	76	09.8	14433
Dubawnt Lake	62	42.7	101	23.3	1949.5	17	54.9	85	18.1	05013
Pell Inlet	75	54.4	102	15.4	1948.6	168	20.0	89	41.1	00386
Estevan	49	08.8	102	59.2	1950.4	15	03.2	76	03.7	14520
Estevan	49	08.8	102	59.2	1953.6	15	00.1	75	58.5	14549
Estevan	49	08.8	102	59.2	1956.7	14	48.6	75	54.3	14675
Sherwood Lake	60	53.7	103	21.5	1950.5	21	14.9	83	50.7	06585
West										
Isachsen, Deer Bay	78	46.8	103	32.5	1959.4	166	00.0	89	20.0	00700 (57104)**
Isachsen, Base Camp	78	47.3	103	39.3	1960.5	165	45.0	89	20.4	00554 (57150)
Shoran Hill	78	46.4	103	40.4	1960.5	167	41.2	89	30.2	00521 (59425)
East										
Internat. Boundary No. 565	49	00.0	104	34.1	1953.6	15	56.2	75	27.6	15125
Melfort B.	52	51.5	104	37.7	1950.7	17	24.1	78	41.0	11967
Lac la Ronge	55	06.2	105	17.5	1956.7	19	24.1	79	48.5	10812
Watrous	51	43.5	105	28.0	1953.6	17	09.4	77	25.5	13254
Watrous	51	43.5	105	28.0	1956.6	17	02.3	77	22.4	13375
Prince Albert B.	53	11.7	105	48.8	1950.7	19	40.6	78	56.8	11716
Prince Albert	53	11.7	105	48.8	1956.6	19	14.2	78	47.5	11877
Prince Albert	53	11.7	105	48.8	1959.7	19	09.5	78	46.1	
Internat. Boundary No. 522	49	00.0	105	56.6	1953.6	16	39.6	75	11.0	15286
Assiniboia	49	38.2	105	59.1	1956.7	16	32.6	75	29.0	15300
Waskesiu	53	55.6	106	05.0	1956.7	19	02.4	78	48.4	11822
King Game Lake	72	27.0	106	15.0	1948.6	48	30.0	88	36.8	01414
Saskatoon (Campus)	52	08.1	106	38.3	1953.5	20	10.7	77	11.5	13418

*Z. See last para. of Introduction.

**Vertical intensity.

Magnetic Observations—Continued

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value γ
	°	'	°	'		°	'	°	'	
						East				
Saskatoon (Campus).....	52	08.1	106	38.3	1956.6	20	01.4	77	08.0	13512
Chaplin C.....	50	27.5	106	39.2	1950.7	18	21.4	76	25.6	14171
Spitfire Lake.....	63	52.5	107	44.5	1950.5	27	30.6	83	02.5	07349
Swift Current.....	50	16.3	107	48.0	1950.7	18	36.3	76	06.9	14520
Swift Current.....	50	16.3	107	48.0	1956.7	18	16.4	75	53.5	14555
Swift Current.....	50	16.3	107	48.0	1959.5	18	10.4	75	47.0	14712
Internat. Boundary No. 463.....	49	00.0	107	50.7	1953.6	18	26.9	77	54.1	15532
Bathurst Inlet.....	66	50.0	107	56.4	1948.6	26	24.0	86	06.7	04108
Rosetown.....	51	33.8	107	59.7	1950.7	20	02.7	76	49.6	13811
Rosetown C.....	51	33.7	108	00.2	1958.5	19	43.7	76	36.0	13954
Battleford.....	52	43.6	108	18.0	1950.7	20	06.8	77	27.8	13142
Bridport Inlet.....	74	58.5	108	29.2	1954.7	70	30.0	88	53.6	01118
Cypress Hills.....	49	39.6	109	31.5	1953.6	19	36.0	74	59.7	15450
Mantario.....	51	13.8	109	43.1	1956.7	20	09.1	76	18.3	14223
Mantario.....	51	13.8	109	43.1	1958.7	20	02.4	76	16.8	14227
Willow Creek.....	49	00.0	109	45.3	1953.6	18	54.4	74	27.4	15893
Lloydminster A.....	53	17.4	110	00.0	1950.7	22	07.1	77	52.5	12714
Cape Malloch.....	78	45.8	110	24.3	1960.4	111	55.8	89	18.8	00688 (57421)†
Mackenzie King Island.....	77	32.5	110	27.5	1960.6	104	22.5	89	05.2	00915 (57760)†
Dunmore.....	49	58.5	110	35.6	1950.6	19	34.5	75	09.7	15337
Bonnyville.....	54	16.1	110	44.6	1952.7	22	44.3	78	00.5	
Liddon Gulf.....	75	16.9	111	05.8	1948.6	79	36.7	88	46.8	01328
Coronation.....	52	06.5	111	26.8	1950.6	21	34.5	76	20.9	14237
Coutts No. 335.....	49	00.0	111	56.1	1953.6	20	01.8	73	43.4	16540
Coutts No. 335.....	49	00.0	111	56.1	1961.7	20	08.0	73	31.0	16725
Prince Albert Sound.....	70	17.3	111	56.5	1949.6	50	01.4	86	40.4	03453
Lac la Biche B.....	54	49.4	112	05.0	1950.5	25	15.9	78	13.9	12346
Lac la Biche Mission.....	54	49.4	112	05.0	1952.7	24	56.4	78	18.0	
Boyle.....	54	35.8	112	48.0	1950.5	25	01.1	77	59.7	12505
Boyle.....	54	35.8	112	48.0	1954.8	24	41.3	77	55.0	12554
Donatville.....	54	44.9	112	48.5	1950.5	24	30.2	77	00.4	12576
Bruderheim.....	53	48.6	112	55.8	1950.6	23	54.3	77	22.7	13158
Newbrook.....	54	20.1	112	56.6	1950.5	24	26.9	77	46.4	12797
Newbrook.....	54	20.1	112	56.6	1954.7	24	04.5	77	42.8	12859
Gleichen.....	50	52.2	113	03.3	1950.6	22	03.4	75	16.7	15271
Gleichen.....	50	52.2	113	03.3	1953.7	21	49.6	75	13.3	15263
Gleichen.....	50	52.2	113	03.3	1959.6	21	32.4	75	07.0	
R.C. Church (Boyle).....	54	35.1	113	07.2	1950.5	24	45.3	77	40.7	12876
Thorhild.....	54	09.7	113	07.6	1950.5	24	44.4	77	39.9	12910
Athabasca.....	54	44.3	113	13.2	1950.5	24	55.6	77	50.6	12699
Athabasca.....	54	44.3	113	13.2	1952.5	24	45.1	77	47.9	12752
Athabasca B.....	54	44.3	113	13.2	1953.5	24	46.2	77	47.3	12736
Athabasca B.....	54	44.3	113	13.2	1958.5	24	21.4	77	42.2	12790
Colinton.....	54	37.2	113	14.7	1950.6	25	07.2	77	45.2	12761
Big Coulee School.....	54	52.8	113	16.7	1950.6	24	42.3	77	50.8	12688
Cardston.....	49	11.2	113	19.7	1950.6	21	19.7	74	12.7	16175
South Athabasca School.....	54	39.7	113	19.8	1950.5	24	41.8	77	46.1	12779
South Athabasca School.....	54	39.7	113	19.8	1954.7	24	20.9	77	43.1	12787
Meanook (Observatory).....	54	37.0	113	20.0	1948.5	24	57.7	77	48.1	12811
Meanook (Observatory).....	54	37.0	113	20.0	1949.5	24	52.2	77	47.5	12813
Meanook (Observatory).....	54	37.0	113	20.0	1950.5	24	45.8	77	45.6	12841
Meanook (Observatory).....	54	37.0	113	20.0	1951.5	24	45.7	77	44.6	12872
Meanook (Observatory).....	54	37.0	113	20.0	1953.6	24	36.4	77	40.0	12855
Meanook (Observatory).....	54	37.0	113	20.0	1957.5	24	23.1	77	36.4	12921
Meanook (Observatory).....	54	37.0	113	20.0	1958.5	24	19.4	77	35.5	12942
Meanook (Observatory).....	54	37.0	113	20.0	1959.5	24	13.0	77	34.1	12960
Meanook (Observatory).....	54	37.0	113	20.0	1960.5	24	09.7	77	32.5	12985
Meanook (Observatory).....	54	37.0	113	20.0	1961.5	24	06.0	77	30.1	13022
Meanook Stn. B.....	54	36.9	113	20.5	1958.6	24	12.3	77	34.7	12864
Meanook Stn. C.....	54	37.0	113	20.9	1959.6	24	07.2	77	35.1	12960
Meanook C.....	54	37.0	113	20.9	1961.7	24	07.6	77	31.5	13000
Perryvale A.....	54	28.5	113	22.5	1950.6	25	11.9	77	39.9	12850
Perryvale B.....	54	28.5	113	22.7	1954.7	24	52.0	77	36.0	12914

†Vertical Intensity.

Magnetic Observations—Continued

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value γ
	°	'	°	'		°	'	°	'	
						East				
Macleod.....	49	42.1	113	24.0	1950.6	21	34.0	74	24.2	15991
Macleod.....	49	42.1	113	24.0	1953.6	21	22.0	74	18.2	16038
Macleod RCMP Stn.....	49	42.0	113	24.0	1958.7	21	13.3	74	13.9	16040
Bon Accord.....	53	49.8	113	25.0	1950.6	25	21.9	77	13.5	13284
Rochester.....	54	22.6	113	27.0	1950.6	25	43.8	77	32.2	12922
George Lake School.....	54	35.2	113	27.5	1950.5	24	51.3	77	40.3	12857
Tawatina.....	54	18.1	113	29.4	1950.6	25	24.0	77	40.6	12824
Lahaieville.....	54	49.2	113	32.2	1950.5	25	14.4	77	47.5	12738
Richard Collinson Inlet.....	72	38.6	113	40.0	1948.6	60	53.5	87	26.1	02636
Dapp-Rochester.....	54	21.2	113	40.7	1950.5	24	56.4	77	35.1	12890
Lacombe A.....	52	27.6	113	45.0	1950.6	23	25.5	76	16.5	14218
Lacombe B.....	52	27.6	113	45.0	1953.7	23	10.6	76	11.4	14257
Lacombe B.....	52	27.6	113	45.0	1958.7	22	48.4	76	07.5	14275
High River.....	50	34.4	113	53.0	1950.6	22	19.8	75	03.2	15442
High River.....	50	34.4	113	53.0	1954.8	21	57.4	74	57.5	15515
Waterton Park.....	49	03.8	113	54.4	1953.6	22	10.6	73	35.0	16731
Waterton Park.....	49	03.8	113	54.4	1961.7	21	49.0	73	24.0	16884
Dapp.....	54	20.7	113	55.4	1950.5	24	17.1	77	30.5	12980
Fawcett.....	54	32.3	114	02.0	1950.5	24	43.1	77	51.7	12704
Yellowknife.....	62	28.6	114	26.3	1958.6	32	10.0	82	27.7	07865
Wabamun B.....	53	33.7	114	27.2	1950.6	24	25.0	77	06.8	13406
Wabamun B.....	53	33.7	114	27.2	1954.8	23	51.8	77	01.9	13514
Rocky Mountain House.....	52	22.4	114	53.6	1950.6	24	20.2	75	53.9	14614
Russell Point.....	73	26.9	115	25.2	1954.7	61	57.0	87	20.0	02719
Banff C.....	51	10.7	115	34.2	1950.6	23	48.5	74	49.7	15547
Banff C.....	51	10.7	115	34.2	1953.7	23	48.6	74	45.0	15625
Banff C.....	51	10.7	115	34.2	1959.5	23	28.2	74	36.8	15744
Faust B.....	55	19.0	115	36.5	1958.6	25	49.0	77	34.3	12880
Faust.....	55	19.0	115	36.5	1950.5	26	21.2	77	46.0	12709
Cranbrook C.....	49	31.0	115	46.5	1953.7	22	24.1	73	19.0	16831
Cranbrook D.....	49	31.0	115	46.5	1959.5	22	10.2	73	10.0	16938
Hay River Airport.....	60	50.4	115	46.7	1952.7	32	03.6	81	18.3	09117
Radium.....	50	38.1	116	01.5	1954.8	23	10.5	74	08.4	16163
Fort Vermilion.....	58	23.1	116	02.0	1952.7	31	25.2	79	52.6	10728
Boffa Lake.....	69	39.8	116	11.2	1948.6	48	45.2	85	52.7	04284
Edson.....	53	35.5	116	25.4	1950.6	26	08.9	76	28.5	14031
Edson.....	53	35.5	116	25.4	1954.5	25	53.4	76	23.7	14104
Porthill No. 207.....	49	00.0	116	29.9	1953.7	21	45.2	72	45.8	17201
Porthill No. 207.....	49	00.0	116	29.9	1959.5	21	26.5	72	45.2	17276
Columbia Icefields.....	51	58.6	116	53.7	1954.5	23	49.2	75	01.3	15342
Alberta-NWT Boundary.....	60	00.0	116	59.7	1952.7	32	09.1	80	19.7	10198
Valleyview.....	55	03.4	117	15.2	1952.7	26	44.1	77	06.5	
Peace River B.....	56	13.8	117	15.7	1952.7	28	12.0	78	02.3	12545
Peace River Crossing.....	56	13.8	117	15.8	1950.5	28	23.9	78	03.4	12483
Peace River Crossing.....	56	13.8	117	15.8	1958.6	28	00.4	77	52.0	12750
Keg River.....	57	44.9	117	37.8	1952.7	29	58.6	79	01.8	11531
Upper Hay River.....	59	02.4	117	42.1	1952.7	32	35.4	79	42.7	10788
Jasper B.....	52	53.5	118	04.0	1950.6	25	04.5	75	22.2	14995
Jasper C.....	52	53.5	118	04.0	1954.5	24	53.9	75	16.7	15048
Dunvegan.....	55	55.5	118	35.2	1950.5	27	58.2	77	58.2	12625
Dunvegan.....	55	55.5	118	35.2	1952.7	27	42.3	77	59.6	
Grande Prairie B.....	55	11.4	118	47.2	1952.7	25	44.7	76	41.7	13841
Grande Prairie B.....	55	11.4	118	47.2	1958.6	25	28.1	76	36.2	13915
Grande Prairie A.....	55	11.5	118	47.4	1952.7	25	44.7	76	42.8	13841
Grande Prairie A.....	55	11.5	118	47.4	1950.5	26	00.9	76	42.7	13797
Midway.....	49	00.5	118	46.8	1953.6	22	27.6	72	06.8	17795
Midway.....	49	00.5	118	46.8	1959.5	22	12.3	71	59.8	17905
Sawmill Bay.....	65	44.2	118	55.6	1949.6	41	47.1	83	19.7	06959
Sicamous B.....	50	50.3	118	58.4	1954.5	23	45.2	73	38.4	16484
Castel Bay.....	74	08.0	119	13.0	1948.6	61	35.3	87	04.6	02981
Vernon.....	50	16.8	119	16.2	1954.6	23	22.0	73	09.3	16854
Kelowna.....	49	53.6	119	28.0	1954.7	23	16.1	72	55.7	16922
Tete Jaune.....	52	58.6	119	29.3	1954.5	25	34.0	75	03.1	15236
Penticton.....	49	29.5	119	35.5	1954.7	23	54.0	72	26.7	17520
Penticton C.....	49	29.5	119	35.5	1959.5	23	41.4	72	20.0	17611

Magnetic Observations—Continued

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value
	°	'	°	'		°	'	°	'	
						East				
Penticton B.....	49	19.0	119	37.5	1959.6	22	38.0	72	10.7	17710
Penticton Astrophysical Site.....	49	19.0	119	37.5	1961.6	22	32.2	72	07.1	17766
McBride.....	53	18.1	120	10.0	1954.6	26	08.1	75	00.6	15273
Dawson Creek, B.....	55	46.8	120	16.7	1958.6	28	31.3	76	45.2	13631
Kamloops C.....	50	40.8	120	20.0	1954.6	23	35.6	73	03.4	16795
Dawson Creek A.....	55	45.8	120	23.5	1952.5	29	06.1	76	47.4	13587
Bridge Lake.....	51	29.0	120	41.4	1954.7	23	44.5	73	44.3	16267
Fort St. John C.....	56	15.6	120	52.7	1952.7	28	37.7	77	15.9	13144
Fort St. John C.....	56	15.6	120	52.7	1958.6	28	08.3	77	08.4	13225
Fort Simpson.....	61	52.3	121	21.0	1958.6	34	01.8	80	39.3	09743
Hope.....	49	22.8	121	26.6	1954.7	23	44.0	71	57.0	17785
Hope B.....	49	22.8	121	26.6	1961.4	23	00.5	71	49.6	17875
Lytton.....	50	14.2	121	34.3	1954.7	24	55.9	72	12.4	17689
Clinton.....	51	05.5	121	35.4	1954.6	24	44.5	73	10.5	16772
Clinton.....	51	05.5	121	35.4	1959.6	24	28.4	73	06.0	16834
Little Prairie.....	55	41.6	121	38.0	1952.7	28	50.1	76	31.4	13931
Little Prairie.....	55	41.6	121	38.0	1958.6	28	33.3	76	24.8	14000
De Salis Bay.....	71	29.1	121	42.5	1954.7	52	58.0	85	38.7	04445
De Salis Bay B.....	71	30.4	121	47.8	1948.6	53	09.4	85	35.9	04515
Williams Lake.....	52	07.3	122	08.2	1954.6	25	18.0	73	53.0	16258
Huntingdon BC.....	49	00.0	122	13.7	1954.7	22	20.2	71	26.4	18401
Huntingdon BC.....	49	00.0	122	13.7	1961.7	21	58.5	71	18.2	18506
Quesnel B.....	52	58.9	122	31.5	1954.6	26	28.5	74	33.4	15640
Beatton River.....	57	05.1	122	34.7	1952.6	31	07.4	77	15.3	13151
Fort Nelson.....	58	49.8	122	35.4	1952.6	32	15.2	78	22.6	11993
Fort Nelson.....	58	49.8	122	35.4	1958.6	31	49.9	78	15.4	12074
Prince George South.....	53	54.6	122	45.0	1954.5	26	33.9	74	57.8	15179
Prince George South.....	53	54.6	122	45.0	1959.6	26	16.4	74	57.5	15172
Fort McLeod.....	54	56.9	122	59.6	1954.5	27	48.0	75	46.6	14428
North Vancouver.....	49	19.6	123	05.5	1954.7	23	29.4	71	43.4	18176
North Vancouver B.....	49	19.6	123	05.5	1961.7	22	32.3	71	35.6	18284
Alexis Creek.....	52	05.1	123	17.0	1954.6	25	05.4	73	51.6	16133
Victoria (Mt. Douglas).....	48	29.3	123	19.9	1954.6	23	09.2	70	44.3	18690
Victoria (Mt. Douglas).....	48	29.3	123	19.9	1959.5	22	49.0	70	39.5	18743
Galiano Island.....	48	54.3	123	20.6	1959.5	22	53.3	71	01.4	18658
Victoria (Observatory).....	48	31.1	123	24.8	1954.6	22	56.0	70	47.0	18636
Victoria (Observatory).....	48	31.1	123	24.8	1958.9	22	43.0	70	44.0	18717
Victoria (Observatory).....	48	31.1	123	24.8	1959.5	22	46.3	70	46.5	18619
Nanaimo V.I.....	49	12.8	123	56.2	1954.6	23	52.1	71	04.1	18483
Nanaimo V.I.....	49	12.8	123	56.2	1959.7	24	15.4	70	59.8	18500
Vanderhoof.....	54	01.4	123	58.9	1954.6	26	57.1	74	47.6	15244
Mile 365—Alaska Highway.....	58	40.6	124	01.4	1952.6	30	55.6	77	54.8	12488
Paulatuk.....	69	21.7	124	05.5	1948.6	53	02.4	83	56.6	06267
Tatla Lake.....	52	00.2	124	23.2	1954.6	25	16.6	73	17.1	16587
Fort St. James.....	54	26.5	124	30.0	1954.6	27	43.5	75	04.3	15094
Courtenay B.....	49	42.0	124	59.2	1954.7	25	04.3	70	57.0	18563
Courtenay B.....	49	42.0	124	59.2	1959.6	24	18.8	70	52.2	18635
Burns Lake.....	54	13.6	125	48.0	1954.6	27	30.0	74	14.4	15748
Alert Bay C.....	50	35.6	125	55.3	1961.4	24	58.8	71	06.7	
Laird River Camp.....	59	24.3	126	05.6	1952.6	33	48.0	77	54.5	12388
Houston.....	54	24.0	126	39.9	1954.6	27	38.9	74	31.6	15531
Norman Wells Airport.....	65	17.3	126	47.3	1948.6	38	54.3	81	14.1	09039
Norman Wells Airport.....	65	17.3	126	47.3	1958.6	37	37.0	81	07.2	09100
Canso Lake.....	67	38.4	127	06.9	1948.5	41	09.1	82	47.2	07358
Smithers A.....	54	46.7	127	09.3	1954.6	27	40.7	74	48.5	15261
Smithers B.....	54	47.4	127	11.2	1959.6	27	08.4	74	52.3	15149
Lower Post.....	59	55.4	128	29.8	1952.6	33	14.9	77	45.5	12496
Lower Post.....	59	55.4	128	29.8	1958.6	32	51.8	77	40.3	12600
Fort Good Hope.....	66	15.5	128	38.3	1958.6	37	58.3	81	33.0	08727
Anderson River.....	69	44.0	128	58.0	1948.6	45	24.7	83	29.3	06636
B.C.—Y.T. Boundary.....	60	00.0	132	06.8	1952.6	32	33.0	76	58.4	13188
B.C.—Y.T. Boundary.....	60	00.0	132	06.8	1958.6	32	15.9	76	55.1	13168
Ross River.....	61	59.3	132	27.5	1952.6	34	36.4	78	11.4	12021
Carcross.....	60	09.9	134	42.2	1952.6	31	39.8	76	26.6	13552
Whitehorse B.....	60	41.8	135	03.3	1952.5	31	28.0	76	59.7	13042

Magnetic Observations—Concluded

Station	Lat.		Long.		Date	Declination Value		Inclination Value North		Horizontal Intensity Value γ
	°	'	°	'		°	'	°	'	
						East				
Whitehorse B.....	60	41.8	135	03.3	1958.6	31	08.5	76	55.0	13110
Mayo.....	63	36.0	135	53.5	1952.6	34	10.5	78	24.8	11665
Carmacks.....	62	05.5	136	15.8	1952.6	32	52.4	77	33.1	12457
Haines Junction.....	60	47.2	137	35.0	1952.5	31	50.2	76	25.9	13443
McIntosh Lodge.....	60	49.0	137	41.5	1952.6	31	24.4	76	25.2	13452
Klondike River.....	63	53.4	138	10.4	1952.6	33	23.0	78	15.9	11762
Dawson.....	64	03.4	139	26.0	1952.5	33	21.7	77	32.8	12582
Donjek River.....	61	43.4	139	50.0	1952.6	29	55.8	76	23.5	13522
Snag.....	62	21.4	140	24.0	1952.6	31	37.5	76	43.7	13136
Mosquito Creek.....	64	04.5	142	04.2	1952.6	31	22.7	77	42.5	12131
College, Alaska.....	64	52.0	147	50.0	1952.5	28	51.1	77	07.3	12659

DOMINION OBSERVATORY,
OTTAWA, CANADA.
August, 1963.



CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
Dominion Observatories

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DOMINION OBSERVATORY
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Volume XXIX • No. 3

RECORD OF OBSERVATIONS AT
MEANOOK MAGNETIC OBSERVATORY
1956

H. E. Cook and Anne B. Cook

Price 35 cents

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MEANOOK MAGNETIC OBSERVATORY

Geographic Latitude 54° 37'N
Geographic Longitude 113° 20'W

Geomagnetic Latitude 61.8°N
Geomagnetic Longitude 301.0°E

Officer-in-Charge: H. E. Cook

Assistant: Anne B. Cook

Introduction

Meanook magnetic observatory has been in continuous operation since July 1, 1916. From that time until his retirement at the end of 1956, H. E. Cook was officer-in-charge.

During 1956, preparations were made for the observatory's participation in the program of the International Geophysical Year 1957-58. Since Meanook magnetic observatory played an important role in the Second International Polar Year of 1932-33, it is interesting to note the development of the station in the 25 years between these two international projects. During the Second International Polar Year, the station consisted of two buildings—the observatory of 1916 with its variometer basement which was added in 1927, and a standard Polar Year hut, on a two-acre site. On the eve of the International Geophysical Year, the station possessed 15 buildings, including a new magnetic observatory, and an administration building with dark rooms and laboratory facilities, situated on a protected area of 540 acres.

Between 1933 and 1956, the geomagnetic field at Meanook has shown a rather small secular change, with a decrease in east declination of approximately 2°, an increase in H of 158 γ , a decrease in Z of 678 γ , and a decrease in I of 17'.

Variometers

Two sets of photographically recording magnetic variometers were operated continuously at a paper speed of 15 mm per hour, one at standard sensitivity and the other at low sensitivity. These instruments, designed by la Cour, were originally installed for the Polar Year 1932-33, but were later moved to the new magnetic observatory which was completed in 1951. Scale coefficients adopted for 1956 are given in the following table:

Standard sensitivity H 7.84 γ /mm +1 γ /°C

D 0.98'/mm

Z 10.83 γ /mm

Low sensitivity H 22.56 γ /mm

D 2.40'/mm

Z 16.76 γ /mm

Absolute Instruments

Cooke magnetometer No. 15 was used for the determination of absolute values of D and H. To reduce the observations to International Magnetic Standard, a correction of -0.3' was applied in D, and -0.00106H was applied in H. A portable electrical magnetometer of the saturated core type (P.H. Serson and W. L. W. Hannaford, *Can. J. Technol.* Vol. 34, p. 232-243, 1956) was used for the determination of D, I, and F. Quartz horizontal magnetometer No. 259 was adopted as the practical standard for H. Earth inductor Toepfer No. 1911 was the standard for I, with a correction of -0.25' applied to reduce the observations to I.M.S.

Absolute Observations of Base-line Values

Absolute observations were made once a week, on the average. Simultaneous marks were made on la Cour records, and the base-line values were determined by calculation from the observed values and the measurement of the recorded ordinates at the corresponding times. The root mean square values of the observed minus adopted photographic base-line values were $\pm 0.8'$ in D, $\pm 2.8\gamma$ in H, and $\pm 13\gamma$ in Z.

The Magnetic Reductions

The time used throughout the IGY is Universal Time (U.T.). The hourly values of D, H and Z were obtained from the magnetograms by means of a ruled transparent scale. Each value represents the mean reading for 60 minutes, centred on the half hour. The product of the ordinates and the scale value is added to the adopted base-line value and the sum obtained is the appropriate hourly value printed in the text. From the tabulated mean values for each calendar month the mean value for each hour of the day and the mean daily value for each day of the month are derived.

The mean diurnal inequalities of the elements D, H, and Z (not corrected for non-cyclic changes) for all days and International Quiet and Disturbed Days are given for the same period in the tables.

Magnetic Activity and Disturbance Indices

The three-hour range indices from which the internationally accepted K-indices were derived were sent to De Bilt and Göttingen each month. Lower limit of K=9 is 1500 γ .

Mean Values for Months and Year—Meanook

Month	D East	H	Z	X	Y East	I North	F
1956							
January	24 24.8	12878	58716	11727	5323	77 37.8	60112
February	24.2	889	731	710	25	37.3	129
March	22.9	890	731	741	21	37.3	129
April	21.6	899	731	751	20	36.8	131
May	22.8	882	732	733	15	37.7	128
June	20.6	903	724	756	19	36.5	125
July	21.0	902	713	754	20	36.4	114
August	20.3	900	714	754	16	36.5	114
September	21.0	890	725	743	15	37.2	123
October	20.9	895	718	748	16	36.8	117
November	25.1	888	787	708	28	38.1	183
December	24.3	912	798	759	35	36.9	199
Year	24 22.5	12894	58735	11740	5321	77 37.1	60134

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook

H = 12,000 γ +

January 1956

Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	859	890	872	863	871	859	861	861	858	855	833	810	829	871	872	847	769	846	846	826	814	822	881	877	850
2	883	878	877	892	882	865	855	857	859	854	858	858	861	861	861	843	846	830	774	792	807	840	856	853	852
3	871	878	874	871	878	878	865	849	847	816	753	790	868	851	864	866	869	853	874	874	875	875	875	875	858
4	868	866	867	864	867	871	868	875	879	708	889	902	871	867	869	867	867	868	839	847	855	863	863	843	860
5	868	889	886	871	871	878	874	867	863	850	873	828	871	875	874	874	863	839	852	856	856	856	862	862	865
6	872	852	882	884	883	882	878	874	874	874	878	882	859	725	780	820	847	878	885	889	896	886	894	902	866
7	910	910	915	915	913	910	910	911	910	900	896	912	907	896	879	878	882	906	900	891	892	890	902	891	901
8 Q	902	913	921	914	914	911	909	912	899	882	883	910	914	907	910	914	915	908	902	891	896	900	904	911	906
9	910	915	915	915	909	900	904	904	868	813	756	616	651	871	921	921	928	914	902	894	894	892	896	902	871
10	908	910	911	910	914	920	933	866	612	777	864	816	847	805	751	608	781	829	847	924	914	885	868	925	847
11 D	930	1152	972	933	946	983	918	792	296	376	-015	376	501	628	577	725	811	821	822	933	922	922	910	914	756
12	916	910	913	906	904	925	907	891	891	827	819	611	812	764	883	878	872	835	818	835	863	930	918	929	865
13	918	946	914	910	910	894	886	882	892	895	896	897	895	904	910	905	904	898	895	896	893	894	897	905	902
14	913	912	914	914	933	918	904	902	900	879	878	902	913	907	910	912	912	906	892	889	889	888	892	904	903
15 Q	908	906	905	902	901	901	904	904	902	891	882	886	874	913	922	919	918	911	902	900	898	898	896	896	902
16 Q	901	909	906	913	910	913	910	909	907	890	887	921	921	917	917	917	917	906	906	901	896	901	901	909	908
17	913	913	918	918	916	929	921	916	901	906	906	866	870	896	920	928	927	913	904	893	881	893	895	895	906
18 D	903	899	895	995	940	940	929	815	791	595	783	901	909	856	747	889	946	917	901	885	882	956	909	924	879
19 D	917	898	898	895	917	921	901	842	707	635	619	351	259	499	543	825	862	842	888	885	882	878	895	890	777
20 Q	903	903	907	903	903	902	898	907	882	862	891	903	903	907	913	909	909	906	901	897	891	887	891	901	899
21	901	907	909	909	909	909	909	909	909	909	909	909	906	906	904	901	887	912	899	891	879	889	900	924	904
22	888	943	956	1265	1162	1136	952	904	892	888	890	889	905	899	906	906	906	904	893	888	888	894	895	905	940
23	905	905	905	904	905	909	909	901	901	904	905	905	905	906	909	918	917	905	890	867	851	846	906	893	899
24 D	894	902	901	899	946	911	934	929	816	765	588	190	620	803	835	871	820	797	777	798	913	928	933	1012	824
25	1040	1023	945	922	918	930	911	910	781	787	770	851	890	898	891	914	914	905	878	860	860	885	886	895	894
26 Q	902	902	902	902	904	904	902	905	905	904	902	905	905	902	906	906	907	904	899	902	902	897	894	902	903
27	908	907	913	914	911	914	915	891	876	813	790	883	875	908	898	929	926	898	851	797	872	900	895	908	887
28 D	930	997	1032	1110	860	1059	1000	891	852	851	851	732	605	765	902	919	915	903	891	887	875	887	881	911	896
29	899	907	915	923	926	947	931	903	883	852	911	895	895	891	830	853	875	899	934	900	897	903	910	910	900
30	900	921	921	919	936	919	921	908	900	898	897	879	877	875	874	861	898	900	897	898	895	872	887	892	898
31	899	919	930	923	926	915	917	908	923	881	856	755	907	909	900	908	895	900	869	864	858	892	889	907	894
Mean	904	919	913	925	916	921	908	887	844	824	816	798	827	851	857	875	884	883	875	876	880	889	893	902	878

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook

$D = 24^{\circ}E + \dots'$

January 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean		
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1	19.7	22.8	19.7	25.5	26.0	27.0	26.0	23.7	23.6	24.6	27.3	28.6	26.5	28.5	27.6	28.6	14.8	10.4	22.8	22.6	22.8	20.4	20.2	21.2	23.4		
2	23.7	19.3	22.5	22.1	25.0	24.0	24.6	23.7	22.6	23.9	24.7	25.1	25.1	24.7	25.0	25.0	25.8	22.8	23.9	18.5	15.2	18.9	21.0	22.3	22.9		
3	23.1	20.9	22.3	25.4	26.5	27.2	26.0	26.5	24.6	19.6	18.9	24.3	25.7	23.4	24.1	27.4	29.2	25.4	22.0	20.8	21.0	22.2	23.1	25.2	24.0		
4	20.8	28.6	21.2	23.2	25.8	31.2	26.5	27.1	27.1	15.3	26.9	29.2	26.3	25.9	25.7	24.1	24.6	25.7	26.0	26.9	26.5	24.1	18.2	19.7	20.6	21.4	24.2
5	20.2	22.6	22.4	25.2	26.3	30.3	28.1	27.7	25.9	25.2	24.6	20.8	23.4	24.4	24.6	25.7	26.0	26.9	26.5	24.1	18.2	19.7	20.6	21.4	24.2		
6	21.4	27.8	21.2	23.6	24.9	25.6	25.2	25.0	24.2	24.6	24.4	24.6	26.5	13.3	13.8	24.1	26.1	21.3	23.9	22.3	22.3	21.3	22.6	23.9	23.1		
7	23.1	23.6	23.9	24.1	24.6	25.0	24.5	24.2	24.8	24.8	25.1	25.4	25.4	24.2	21.5	17.7	26.5	19.7	23.8	22.7	22.3	23.2	22.5	22.6	23.6		
8 Q	24.1	23.2	22.9	24.0	25.5	24.8	25.1	24.6	24.6	21.9	22.1	23.2	23.6	24.8	25.0	25.5	28.6	28.5	24.6	22.7	22.6	22.3	22.2	22.2	24.1		
9	23.0	22.2	21.2	35.9	26.9	25.6	27.2	25.6	21.2	30.4	36.4	34.9	42.6	35.3	25.5	28.7	30.0	24.5	21.2	21.1	21.6	22.1	22.6	23.0	27.0		
10	23.2	24.1	24.9	25.0	27.1	25.6	25.9	26.0	21.6	23.6	32.4	34.9	39.7	37.9	15.1	20.2	25.0	18.2	10.4	18.1	19.0	19.1	18.1	19.3	23.9		
11 D	19.3	32.9	25.7	26.0	27.9	28.3	37.8	08.2	16.5	31.9	58.3	17.4	53.9	50.5	23.2	26.5	23.0	10.4	15.2	18.1	18.2	22.1	22.2	24.2	26.6		
12	25.0	25.1	26.0	28.0	28.5	33.9	22.6	23.1	25.0	23.1	29.9	34.8	41.7	31.9	37.8	32.4	27.0	14.3	19.7	18.2	12.3	15.2	24.6	23.1	26.0		
13	23.6	27.6	26.0	25.9	25.0	29.0	26.0	24.2	24.2	24.1	25.0	25.5	25.5	28.5	29.0	28.6	27.9	24.1	23.1	23.1	23.1	21.2	21.2	21.5	25.3		
14	21.1	22.7	20.2	20.2	25.0	24.1	23.1	25.0	26.0	26.0	32.0	31.9	27.0	26.1	25.6	26.5	28.0	27.0	25.5	24.1	23.2	22.6	22.6	23.5	25.0		
15 Q	23.2	23.7	24.6	25.5	25.0	25.0	25.0	24.2	24.2	24.1	28.0	26.0	22.1	25.1	25.0	27.0	27.0	26.5	26.5	25.5	24.1	22.6	22.6	22.6	24.8		
16 Q	22.6	23.0	24.1	24.2	24.1	24.0	23.1	23.1	25.0	25.5	26.9	25.0	23.1	25.1	25.5	26.9	27.0	27.0	27.1	26.0	24.1	22.1	23.0	23.0	24.6		
17	23.2	24.0	24.1	24.1	25.0	22.2	22.2	24.6	23.3	25.0	26.0	23.1	26.0	27.0	27.5	28.5	27.5	26.0	25.0	24.1	22.1	20.6	20.2	20.8	24.2		
18 D	16.2	19.3	26.6	33.9	30.4	30.9	23.1	23.1	25.0	25.0	32.0	34.8	24.1	28.0	27.5	35.8	31.0	27.0	24.1	23.2	18.2	18.2	18.2	25.0	25.9		
19 D	25.0	25.1	28.0	28.0	30.9	32.9	24.1	25.1	40.7	24.1	49.6	45.6	43.2	47.6	16.3	21.7	15.7	08.9	13.3	20.6	23.1	21.3	22.1	23.1	27.3		
20 Q	23.1	24.0	25.0	24.7	24.7	25.6	32.9	30.0	23.2	22.0	22.6	26.0	25.5	24.0	25.5	27.0	28.5	27.9	26.0	25.5	24.2	21.6	21.1	21.1	25.1		
21	22.1	22.1	23.5	24.6	24.6	24.2	23.6	23.1	23.1	23.1	23.6	24.1	24.1	25.0	23.0	25.5	23.1	20.1	23.6	24.5	20.2	17.7	18.2	(17.7)	22.7		
22	20.1	24.1	21.1	04.6	19.2	23.1	24.0	22.0	22.7	22.6	25.0	26.0	26.1	24.1	26.0	28.0	30.0	29.9	28.9	27.5	23.0	23.1	23.1	23.1	23.6		
23	24.0	24.6	25.0	25.0	25.0	25.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.6	25.0	26.0	28.0	28.9	29.0	25.0	26.2	28.0	23.2	19.7	22.1	25.0
24 D	20.2	23.1	24.0	23.6	34.0	39.8	32.9	34.0	36.4	26.0	40.7	(26.5)	27.0	25.0	25.0	16.2	18.7	16.2	12.9	12.9	12.9	16.1	19.9	24.2	24.5		
25	23.6	23.7	20.6	22.8	23.6	25.0	27.2	29.5	27.0	27.0	24.4	28.5	30.0	25.7	22.8	27.1	29.0	29.1	27.6	22.1	19.7	21.1	23.0	24.2	25.2		
26 Q	22.2	22.1	23.6	25.0	24.6	23.6	24.6	24.0	23.6	24.2	25.5	25.0	25.0	25.2	26.9	26.9	28.0	26.9	25.5	24.7	24.6	23.7	23.8	23.5	24.7		
27	22.8	23.6	24.6	24.8	24.8	24.2	22.1	23.6	23.5	32.7	43.2	44.2	38.9	26.1	36.3	35.9	31.8	30.9	34.4	32.4	06.4	14.4	21.6	23.0	27.8		
28 D	21.2	25.1	19.7	30.0	48.6	45.5	25.0	20.7	26.6	25.5	27.0	28.5	29.6	30.9	27.7	30.9	30.0	29.5	27.6	26.4	24.1	20.6	19.9	22.6	27.6		
29	21.5	21.8	24.1	20.2	24.6	22.3	22.0	29.7	18.7	25.5	27.3	28.4	28.5	29.5	26.1	26.5	23.2	26.4	28.0	25.0	24.5	22.4	22.2	22.0	24.6		
30	20.7	25.2	25.5	25.5	21.7	27.5	24.8	24.6	25.5	26.1	28.5	30.0	25.0	27.1	28.1	25.6	25.4	28.2	25.0	26.5	21.6	19.7	18.7	20.2	24.9		
31	19.2	22.8	20.4	26.3	31.4	26.0	25.5	25.2	27.7	25.5	27.3	17.7	24.6	26.0	23.0	24.6	31.3	30.0	24.6	21.6	21.6	19.7	20.6	19.4	24.2		
Mean	22.0	23.9	23.4	24.7	26.7	27.4	25.6	24.7	24.9	24.7	29.4	27.9	29.0	27.8	25.2	26.6	26.4	24.1	23.7	23.1	20.8	20.6	21.3	22.2	24.8		

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 3 Meanook $Z = 58,000 \gamma +$ January 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	800	746	831	811	811	788	787	786	775	765	742	692	690	720	721	737	711	709	718	707	705	681	670	683	741
2	762	759	764	815	786	757	733	731	731	731	731	727	731	727	727	691	722	733	719	718	745	756	772	759	743
3	798	797	801	802	811	804	783	737	749	707	640	749	768	761	771	771	768	764	744	727	733	733	762	783	761
4	724	759	757	757	786	808	762	731	667	574	603	584	625	679	706	735	731	707	775	818	793	791	791	797	728
5	803	803	802	803	803	813	811	779	978	767	754	727	758	771	772	775	771	768	763	772	778	775	781	781	788
6	793	819	802	789	789	789	781	779	779	779	779	779	764	619	608	666	717	754	688	688	692	691	689	691	738
7	688	681	682	682	682	682	682	682	682	671	652	688	665	657	624	634	639	667	666	682	693	693	696	699	674
8 Q	693	688	696	696	693	688	688	688	664	634	636	688	677	678	678	686	687	677	668	666	660	675	673	676	677
9	676	672	682	706	694	682	682	662	612	568	439	461	405	510	623	668	678	658	693	693	694	694	694	694	635
10	693	689	689	689	696	681	731	682	645	561	619	601	554	499	456	541	638	699	716	704	714	720	722	742	653
11 D	750	861	821	790	770	767	667	612	634	921	635	619	375	375	375	461	554	618	706	747	715	701	694	703	661
12	707	700	699	702	704	694	699	693	680	623	614	498	586	555	624	628	604	586	684	717	772	789	760	748	669
13	759	771	738	738	760	765	738	717	717	728	728	728	717	718	717	717	717	717	728	728	728	728	728	728	732
14	729	728	738	765	771	771	749	749	738	717	695	706	711	717	717	728	728	718	728	728	729	729	729	729	731
15 Q	730	730	729	728	728	728	728	728	727	716	694	705	684	706	728	727	723	723	728	728	728	728	728	728	722
16 Q	727	727	727	727	727	727	728	728	717	696	675	723	718	717	727	728	728	728	728	728	728	728	728	728	723
17	724	724	724	724	724	717	749	735	728	723	722	683	634	647	689	707	708	710	719	722	728	733	733	733	714
18 D	755	785	763	819	828	783	759	709	639	608	608	693	699	657	613	679	698	628	736	765	791	840	801	762	726
19 D	777	745	741	742	773	736	732	685	547	539	500	463	553	503	628	666	668	682	715	732	727	731	733	725	668
20 Q	724	729	727	720	721	725	729	721	695	679	698	706	707	711	719	720	721	721	732	732	731	733	731	727	719
21	722	721	721	721	720	718	719	714	713	713	713	713	713	711	711	711	709	699	701	711	713	714	714	744	715
22	765	828	785	748	724	810	774	721	710	708	709	699	699	699	701	703	701	699	721	722	723	722	721	721	730
23	722	722	722	723	722	721	720	719	720	720	720	720	719	719	719	721	719	714	711	711	729	744	777	743	724
24 D	736	738	733	734	779	765	779	721	673	548	566	593	530	583	581	626	625	655	645	745	831	748	786	805	688
25	798	786	786	789	786	795	764	773	722	645	643	665	686	720	720	738	737	738	742	749	741	741	737	732	739
26 Q	734	740	742	746	746	747	747	742	742	739	736	734	735	733	736	737	734	734	732	737	737	736	736	736	738
27	733	732	732	734	740	742	709	691	675	645	588	655	638	672	656	678	713	704	712	732	762	745	740	747	703
28 D	764	855	834	764	710	734	780	753	734	743	727	699	622	675	732	747	736	734	745	762	762	751	758	744	
29	752	753	762	762	775	794	775	747	701	705	742	736	732	724	694	699	688	721	747	749	745	754	762	753	740
30	763	774	764	760	763	774	754	742	730	726	724	686	656	665	656	651	656	718	729	738	732	734	753	751	725
31	754	763	773	766	775	764	745	753	754	732	678	601	710	712	716	732	721	742	740	734	750	768	953	764	746
Mean	744	752	750	750	752	751	741	723	709	688	668	668	660	663	672	691	698	704	718	728	736	736	743	738	716

MEANOOK MAGNETIC OBSERVATORY, 1956

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook

January 1956

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +			Maximum 58,000 γ +			Minimum 58,000 γ +					
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ
1	02	31	904	16	30	714	190	15	23	33.5	17	12	2.0	31.5	01	53	872	11	10	657	215
2	03	20	912	19	34	762	150	15	10	30.8	20	06	11.2	19.6	03	52	863	15	08	653	210
3	19	33	890	11	12	752	138	16	23	31.8	10	01	0.3	31.5	04	28	815	10	08	532	283
4	01	10	914	11	11	808	106	05	35	41.5	09	16	9.6	31.9	19	30	988	09	28	514	474
5	17	01	922	13	50	666	256	05	45	38.8	19	14	14.3	24.5	05	35	836	11	11	699	137
6	17	00	921	13	50	665	256	17	01	36.8	17	33	4.0	32.8	01	15	829	13	50	524	305
7	17	40	929	15	40	858	71	16	59	31.3	17	50	7.4	23.9	16	53	741	16	08	596	145
8 Q	02	22	933	09	26	856	77	17	43	31.4	09	25	16.6	14.8	00	40	701	09	25	602	99
9	16	32	949	11	47	465	484	12	44	63.4	11	59	8.2	55.2	03	23	740	11	55	326	414
10	03	29	966	08	55	458	508	15	46	53.6	15	13	-6.9	60.5	05	54	772	14	40	410	362
11 D	01	34	1318	10	25	-265	1583	11	15	152.7	10	00	-51.4	204.1	09	56	1081	12	14	257	824
12	21	45	969	11	26	520	449	12	27	48.5	21	12	5.4	43.1	21	36	814	11	23	411	403
13	01	13	969	07	49	838	101	15	06	32.8	22	35	20.2	12.6	01	04	807	07	45	706	101
14	04	44	968	09	37	831	137	11	13	36.6	05	08	17.3	19.3	05	17	796	11	08	663	133
15 Q	13	52	929	12	27	858	71	20	20	30.9	12	16	17.9	13.0	00	01	738	10	11	674	64
16 Q	11	25	928	10	27	852	76	09	56	30.6	21	19	21.3	9.3	22	05	729	10	27	647	82
17	05	31	953	11	56	825	128	02	04	31.0	06	06	15.0	16.0	06	17	775	13	09	610	165
18 D	03	22	1069	09	44	352	717	03	33	43.8	09	36	-2.0	45.8	03	18	871	09	36	523	348
19 D	00	07	950	12	55	136	814	13	17	92.7	12	24	2.9	89.8	12	20	857	13	00	269	588
20 Q	15	14	916	08	56	836	80	06	43	34.8	09	00	18.4	16.4	06	13	739	09	27	677	62
21	23	10	967	16	44	853	114	16	39	31.5	17	15	14.3	17.2	23	15	749	16	51	690	59
22	03	27	1447	19	46	819	628	03	08	48.2	03	33	-58.2	106.4	03	31	932	04	41	505	427
23	22	36	974	21	24	830	144	17	13	35.9	22	32	11.4	24.5	22	31	828	19	11	691	137
24 D	23	27	1094	11	40	-288	1382	12	00	101.5	11	30	-67.4	168.9	23	29	879	11	34	-316	1195
25	00	55	1190	10	12	705	485	06	28	39.5	01	17	15.7	23.8	01	22	817	09	53	613	204
26 Q	15	46	925	22	21	886	39	16	08	29.9	01	02	21.0	8.9	03	05	751	13	58	725	26
27	15	00	1008	10	30	655	353	16	36	62.7	20	01	-4.1	66.8	20	20	781	10	26	471	310
28 D	05	20	1244	12	04	491	753	04	35	82.0	04	13	-44.6	126.6	01	23	900	04	06	507	393
29	05	32	975	14	36	756	219	15	25	40.1	08	40	8.4	31.7	05	30	806	08	58	592	214
30	04	17	966	15	13	830	136	05	48	36.5	22	24	15.9	20.6	01	26	805	15	13	624	181
31	01	58	949	11	13	634	315	04	09	41.9	11	25	11.1	30.8	03	05	814	11	14	523	291
Mean			998			645	353			47.7			1.8	45.9			820			535	285
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 5 Meanook

H = 12,000 γ +

February 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	915	926	925	938	931	928	895	829	892	861	895	903	889	895	883	879	903	898	895	875	864	801	869	916	892
2	911	914	923	926	939	925	922	942	919	903	864	843	876	901	922	906	903	845	901	884	875	903	879	900	901
3	912	900	923	915	916	921	915	906	898	868	860	873	903	903	908	912	911	903	887	869	883	890	883	890	898
4	887	906	915	908	905	923	911	911	908	906	900	859	889	898	911	908	899	897	884	884	887	884	891	892	898
5	908	911	914	915	915	919	919	912	911	911	908	911	903	903	906	911	908	903	892	886	873	883	887	910	905
6	911	903	916	916	911	908	911	917	912	911	887	821	915	915	911	911	911	901	895	899	900	901	901	907	904
7 Q	909	910	909	911	914	915	915	915	913	912	912	914	912	913	912	919	915	907	899	898	901	901	895	903	909
8 Q	908	909	911	912	912	912	914	915	915	915	920	915	907	919	922	923	919	915	907	906	899	898	900	906	912
9 Q	912	913	915	919	919	916	915	915	913	913	919	911	926	923	923	922	919	912	901	903	905	907	911	915	914
10 Q	919	919	923	922	919	922	919	917	919	919	923	922	923	924	924	922	914	907	899	895	903	903	905	913	916
11 D	922	934	915	935	931	921	921	916	918	916	916	910	881	843	889	899	917	911	903	875	883	908	958	939	911
12 D	926	950	931	981	961	978	958	933	637	404	313	327	852	903	938	923	915	911	897	895	896	903	915	897	839
13	899	905	903	901	897	893	895	903	901	903	881	805	905	906	908	915	915	900	893	890	890	889	892	895	895
14 Q	903	903	901	898	903	905	909	905	907	905	909	911	912	915	919	919	915	914	903	884	880	883	889	895	903
15	911	911	911	911	910	911	908	911	912	911	911	915	915	919	919	915	905	892	876	867	869	872	897	905	904
16	904	915	911	919	937	958	950	911	911	911	911	911	864	798	856	851	879	869	879	872	869	875	891	900	894
17	908	908	915	916	916	916	913	907	905	912	908	911	915	919	919	919	915	903	892	883	874	874	884	892	905
18	903	908	911	914	909	908	903	907	895	875	883	906	915	923	923	923	918	908	895	887	879	879	888	892	902
19	905	907	923	923	923	926	923	915	910	915	797	706	739	760	908	947	943	930	902	897	890	892	892	899	886
20	903	903	906	907	907	907	908	908	911	911	911	911	913	869	818	915	916	905	887	879	879	883	892	898	898
21	903	910	909	908	906	908	908	908	908	913	912	913	912	905	910	906	906	892	887	878	884	892	898	903	903
22	930	923	926	942	942	922	914	909	908	911	915	923	915	901	865	883	919	911	898	884	876	878	892	903	908
23	906	913	908	908	908	910	911	908	909	907	899	892	915	908	906	907	895	887	893	883	880	879	883	897	900
24	903	910	909	909	909	909	911	911	908	908	899	856	891	934	923	923	914	903	898	890	890	890	895	899	904
25 D	907	911	914	969	1056	1079	445	139	201	645	612	402	102	759	551	271	387	782	895	856	848	876	879	903	683
26	891	879	895	891	903	923	907	895	829	806	805	757	622	817	908	906	898	887	884	879	890	887	883	883	864
27	911	939	1031	946	954	903	908	759	765	908	899	895	891	891	892	893	891	889	869	829	852	895	915	926	894
28 D	883	898	915	884	915	952	934	908	899	875	805	856	899	897	895	853	829	831	832	887	883	907	903	923	886
29 D	1102	908	946	937	1040	975	903	836	526	613	735	558	848	915	989	666	766	887	899	879	848	857	907	919	852
30																									
31																									
Mean	914	912	919	920	928	927	899	875	854	864	856	832	857	889	895	878	884	893	890	882	881	886	896	904	889

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook

D = 24° E + ...'

February 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	18.7	19.7	20.1	24.5	24.6	26.5	18.2	16.2	27.0	27.3	26.5	27.1	28.5	26.5	27.5	25.0	25.1	19.6	24.6	26.7	23.6	21.1	18.2	20.3	23.5	
2	20.2	22.8	25.0	28.0	30.9	22.6	24.6	32.4	26.4	23.0	28.0	26.9	28.6	27.7	29.4	30.0	30.0	29.5	22.6	22.2	21.6	18.3	18.3	21.1	25.5	
3	21.6	23.7	23.5	30.0	44.3	24.1	25.4	23.6	23.0	24.1	26.0	29.3	22.6	23.6	26.1	27.5	29.5	30.0	30.4	23.1	22.1	19.3	18.3	16.7	25.3	
4	22.6	22.6	23.6	24.1	25.9	30.9	22.6	24.6	22.7	24.1	25.5	23.6	23.1	27.1	26.3	27.5	29.0	28.1	25.6	23.6	21.1	20.6	18.3	19.7	24.3	
5	21.6	21.7	23.6	24.1	24.6	25.5	24.6	24.0	23.2	24.0	24.0	24.1	25.0	24.1	24.1	27.6	28.3	28.1	26.5	24.1	22.6	19.2	17.7	18.6	23.8	
6	19.3	15.7	22.6	24.1	25.0	25.5	25.7	27.5	26.0	24.1	27.3	21.4	25.3	26.8	26.5	26.5	29.5	27.9	26.0	24.6	23.7	23.6	22.1	22.6	24.6	
7 Q	22.6	23.6	23.6	22.6	27.5	24.6	24.2	24.2	24.0	24.2	24.1	25.0	24.6	25.5	25.5	27.1	29.0	28.7	27.5	26.1	24.2	23.6	21.4	20.1	24.7	
8 Q	20.2	22.6	23.1	23.6	23.6	24.1	24.1	24.2	23.6	23.5	24.6	26.0	24.8	25.0	25.0	27.6	29.0	27.9	26.0	25.5	23.6	23.6	22.1	21.1	24.4	
9 Q	20.6	22.1	22.6	22.8	23.6	23.6	24.6	24.4	26.1	26.1	22.1	26.3	24.8	26.0	27.3	27.5	27.0	25.0	22.6	21.1	20.6	20.4	22.1	23.9		
10 Q	22.6	23.6	23.6	23.6	24.1	23.6	23.6	24.5	25.0	23.6	26.0	26.0	26.5	26.0	25.7	26.9	27.7	31.0	28.5	22.6	20.6	21.1	21.1	18.7	24.4	
11 D	19.6	17.7	19.4	20.6	24.1	25.0	24.8	23.6	23.6	24.1	26.5	31.6	35.2	26.7	33.2	32.4	32.2	26.1	24.6	23.4	19.7	15.7	15.7	13.6	24.1	
12 D	16.7	23.1	24.1	25.5	28.1	38.7	36.9	27.9	06.4	30.9	57.8	34.8	36.5	27.5	28.1	30.1	30.9	30.9	27.0	25.0	24.5	23.6	22.1	22.6	28.3	
13	22.1	22.1	22.6	23.1	23.6	23.3	36.8	31.1	23.6	24.6	21.6	24.2	29.5	25.1	24.6	26.0	29.1	29.4	24.6	23.2	21.6	21.1	21.1	21.7	24.8	
14 Q	22.6	22.5	23.1	22.6	23.6	24.1	24.0	23.2	23.6	23.1	23.1	23.6	23.1	23.1	24.0	26.1	29.0	31.0	29.0	26.4	23.1	21.2	20.6	20.6	24.0	
15	21.1	22.0	22.8	23.6	24.1	23.1	25.6	23.5	25.1	24.2	24.6	25.0	25.5	25.0	25.6	29.0	31.8	32.0	28.0	25.0	21.2	19.1	18.2	18.2	24.3	
16	19.7	20.2	20.2	20.2	33.0	26.0	29.0	24.0	23.1	23.2	24.0	24.6	22.6	21.4	14.3	23.1	23.2	25.5	20.6	22.0	21.6	21.1	21.1	20.2	22.7	
17	20.2	21.1	22.1	22.3	23.5	23.6	22.8	24.0	23.1	26.1	24.9	24.6	24.1	25.0	25.1	28.5	31.0	33.9	30.4	27.5	25.0	23.0	21.0	21.1	24.8	
18	21.1	21.3	22.0	23.1	23.1	26.0	26.0	24.1	25.4	26.0	26.5	25.0	25.5	25.5	28.5	27.9	30.4	30.1	28.0	24.6	23.1	21.7	20.8	25.0		
19	21.2	22.1	22.0	21.1	21.2	20.2	23.1	24.1	25.1	25.0	24.6	54.0	40.1	40.3	31.7	30.9	30.9	30.0	29.8	23.6	23.1	22.3	21.6	21.0	27.0	
20	21.1	22.5	23.1	23.6	23.6	23.6	23.1	23.6	23.6	24.0	24.1	24.1	23.2	16.2	22.6	25.7	30.0	30.0	29.0	26.4	24.1	22.0	22.0	22.0	23.9	
21	21.1	22.1	22.6	23.5	23.1	23.1	23.3	24.1	24.1	23.5	24.2	24.2	23.6	23.1	25.6	26.1	26.0	29.5	27.5	25.5	23.2	21.8	22.2	21.5	23.9	
22	19.2	20.6	18.3	21.6	27.0	21.6	22.6	22.6	24.1	24.2	24.1	24.2	26.0	27.0	26.4	23.1	33.4	32.2	28.0	25.5	23.1	21.2	20.5	21.1	24.1	
23	21.3	22.1	22.6	22.6	22.6	22.6	22.6	22.6	22.6	23.1	23.2	25.9	25.0	26.0	26.0	26.4	24.0	24.1	23.9	21.9	22.4	22.4	22.4	22.4	23.4	
24	20.7	21.6	21.7	21.7	21.7	21.7	21.2	21.2	21.7	22.0	19.9	20.7	24.7	29.1	28.6	30.5	31.2	29.6	25.7	23.7	21.2	19.8	18.8	18.7	23.2	
25 D	18.3	19.7	20.7	21.7	20.7	14.3	24.6	44.6	29.6	-6.8	26.1	37.9	-4.2	01.7	66.8	67.3	32.0	12.4	29.7	33.4	23.2	19.4	22.9	21.2	24.9	
26	23.2	23.2	22.1	22.7	21.7	25.7	20.7	22.6	11.0	24.9	24.8	20.7	21.2	28.1	31.0	33.5	33.5	31.5	28.6	26.6	19.8	19.3	19.7	20.7	24.0	
27	16.8	21.7	16.8	17.8	21.7	21.7	20.4	-2.3	17.9	24.2	22.7	23.7	23.7	24.7	27.6	29.7	31.5	31.5	31.5	25.6	10.9	18.8	18.3	22.8	21.6	
28 D	20.3	18.7	15.4	36.4	19.7	21.7	26.5	23.2	20.6	26.7	28.1	29.6	24.6	23.7	23.7	25.6	23.2	19.7	20.3	17.8	19.8	20.7	20.3	18.3	22.7	
29 D	20.3	15.4	12.4	34.5	09.0	26.5	21.9	23.7	26.2	13.9	38.4	07.0	25.7	29.1	33.0	13.3	14.9	21.2	31.5	25.7	22.8	15.9	16.7	20.7	19.5	
30																										
31																										
Mean	20.6	21.3	21.6	24.0	24.5	24.3	24.6	24.0	21.2	23.1	26.5	26.1	25.2	25.0	27.8	28.6	28.6	27.9	27.0	24.7	22.0	20.8	20.2	20.4	24.2	

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook

Z = 58,000 γ +

February 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	799	791	775	791	786	777	745	716	721	688	710	730	729	732	712	700	706	705	708	729	745	754	748	769	740
2	762	768	756	765	766	766	773	688	741	742	705	640	679	699	734	729	724	719	740	742	742	755	741	754	735
3	763	745	754	764	762	762	753	737	723	685	678	686	719	732	735	737	738	733	729	729	736	741	740	773	736
4	743	742	735	737	738	729	723	734	729	729	723	685	697	697	719	734	732	732	727	732	737	737	742	742	728
5	740	734	733	738	737	745	742	734	730	730	730	729	721	721	721	724	727	727	722	723	730	741	738	752	732
6	773	773	748	736	734	734	743	723	736	730	702	676	711	723	730	732	732	730	738	740	737	734	735	735	733
7 Q	734	734	734	734	740	716	741	741	716	716	730	730	732	730	734	737	737	737	732	732	730	732	732	738	732
8 Q	740	734	733	716	716	716	733	716	730	730	730	725	705	701	713	725	727	729	725	730	730	732	732	732	725
9 Q	737	736	737	740	742	742	741	742	740	727	716	722	721	725	725	725	725	723	724	727	730	730	730	730	731
10 Q	729	729	729	729	729	730	733	716	730	720	729	726	722	722	726	729	729	729	725	732	732	737	732	733	728
11 D	733	742	753	747	734	734	735	730	726	723	720	701	666	721	645	678	678	692	701	706	721	754	812	786	722
12 D	805	840	812	786	753	751	676	733	777	(341	828	719)	719	709	749	748	742	742	740	745	745	743	754	745	738
13	741	738	737	737	734	734	737	708	682	701	690	740	672	705	720	721	722	723	725	733	741	741	742	740	724
14 Q	737	736	735	742	742	739	739	730	727	723	722	723	729	721	723	729	730	730	723	729	732	733	733	734	731
15	732	732	732	732	732	732	730	732	721	699	700	726	730	730	721	727	730	727	722	729	732	734	734	745	728
16	742	736	740	880	816	829	817	753	729	722	730	729	675	598	613	640	705	715	740	762	768	753	753	753	737
17	753	762	763	758	751	740	737	732	735	727	727	726	721	729	727	732	732	725	726	729	729	732	734	734	736
18	732	732	732	730	732	739	733	733	721	694	676	707	722	732	732	732	734	734	732	733	733	733	733	733	727
19	737	732	734	730	730	742	774	736	712	709	490	298	371	(310)	630	759	745	735	726	732	739	746	741	740	671
20	734	732	732	732	732	732	732	732	732	729	729	729	721	686	624	700	726	730	729	729	732	735	733	732	723
21	729	727	727	727	727	729	729	725	725	725	725	725	721	720	721	721	729	725	727	727	732	729	727	727	726
22	729	725	732	770	769	742	736	728	725	700	716	714	715	706	694	674	705	716	715	716	736	738	737	737	724
23	728	726	726	726	726	726	727	727	721	716	699	661	704	710	721	726	733	727	738	732	734	732	730	732	722
24	726	726	726	725	725	725	726	726	726	725	709	641	636	710	721	722	722	722	726	726	736	726	726	725	717
25 D	726	725	726	746	726	608	493	752	856	943	1146	1099	974	915	768	710	543	624	715	732	779	764	760	769	775
26	770	759	764	769	791	804	796	781	721	713	634	634	708	721	748	760	754	742	742	747	750	749	748	749	744
27	767	800	829	807	892	775	769	591	694	748	758	748	747	747	748	738	737	732	742	749	764	775	803	759	
28 D	761	761	791	807	786	805	812	760	693	705	661	678	736	732	735	721	714	724	732	764	764	774	780	801	750
29 D	876	908	815	781	759	791	770	715	714	678	640	640	672	736	671	597	645	748	759	758	756	753	772	804	740
30																									
31																									
Mean	751	753	750	755	752	745	738	727	729	711	719	703	706	708	712	718	717	724	728	734	740	742	745	750	731

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 9 Meanook

H = 12,000 γ +

March 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	917	914	929	926	937	947	907	783	805	727	637	798	875	908	914	911	898	891	857	867	881	942	911	866	873
2	908	929	919	972	930	843	837	839	763	891	860	682	825	879	893	908	899	860	859	879	879	906	883	903	873
3 D	915	931	1020	1118	1228	1211	1087	938	966	240	146	641	561	399	399	748	799	811	778	836	994	1122	1032	931	827
4	887	947	895	901	926	1028	1173	914	891	851	836	790	851	814	797	868	907	895	884	879	879	879	889	884	894
5	887	895	898	896	898	900	907	906	899	899	891	891	879	872	875	875	868	848	861	852	864	899	889	889	885
6	895	914	923	938	934	924	915	879	903	891	868	864	891	899	899	907	900	883	864	844	864	868	868	883	892
7 Q	895	898	898	899	899	899	899	900	900	903	897	860	908	903	891	907	903	883	868	864	869	875	883	887	891
8 Q	894	897	901	899	900	900	902	902	898	903	906	908	914	915	915	911	903	893	881	872	870	872	879	883	897
9 Q	895	903	907	907	907	911	911	911	915	915	915	915	914	908	911	912	905	890	879	875	875	884	891	895	902
10	903	912	915	920	922	930	926	919	914	887	903	919	922	921	919	915	905	887	875	848	856	891	981	1103	916
11	1189	1126	1175	922	884	887	887	852	835	781	821	905	906	906	903	879	869	860	867	865	868	895	895	891	911
12	866	883	891	891	891	892	899	887	883	890	890	907	907	914	906	899	875	875	859	875	868	876	881	885	887
13	887	895	907	899	907	911	879	840	734	832	821	859	915	908	908	902	899	903	883	877	874	882	898	916	881
14	900	906	914	903	895	895	899	900	872	676	829	907	793	735	821	900	903	892	879	869	876	880	885	901	868
15	930	926	922	919	911	906	901	892	874	874	819	840	901	919	909	891	881	877	872	875	875	879	869	898	890
16	908	912	908	908	909	912	912	904	892	884	916	923	920	915	923	915	897	876	869	862	873	885	880	900	900
17 Q	912	908	908	909	906	909	909	908	912	912	909	915	916	916	916	915	904	884	880	885	886	898	901	904	905
18 Q	904	906	907	909	915	915	913	909	910	916	923	923	923	924	915	899	876	891	880	873	876	885	888	899	903
19	904	919	917	909	915	915	916	915	924	924	924	923	917	930	908	909	924	916	896	896	901	892	902	956	915
20	939	937	948	943	908	892	893	900	907	907	914	923	924	916	916	912	904	893	892	892	899	900	899	927	912
21 D	948	893	902	910	943	970	901	704	489	638	935	869	805	805	790	847	784	862	779	849	927	935	956	1100	856
22 D	1056	1118	1143	1190	896	888	986	701	647	763	689	638	613	806	865	917	900	873	884	907	930	1070	1118	1093	904
23	1076	1190	1170	1141	835	1006	1003	948	924	892	891	899	896	900	900	893	888	880	877	876	880	874	873	869	941
24 D	876	884	896	900	912	924	923	900	893	885	525	655	716	735	669	693	763	867	890	883	884	959	1002	1015	844
25	1029	970	908	916	932	904	943	876	822	873	744	822	895	884	899	888	865	826	861	869	885	912	910	930	890
26	873	888	924	917	927	939	917	900	767	459	497	684	728	581	822	861	822	884	869	862	865	891	901	911	820
27	900	907	914	920	920	904	904	904	899	884	844	872	904	890	899	910	904	876	849	858	870	880	924	962	896
28	1002	998	1033	994	978	1038	976	909	879	791	751	691	646	830	908	912	904	853	879	900	916	1010	1134	1090	918
29 D	1135	1233	1201	1041	1046	963	916	614	602	732	716	755	826	841	860	880	862	861	868	882	900	893	857	892	891
30	890	896	904	910	920	947	925	906	900	901	904	907	908	904	901	896	897	862	820	853	880	948	1040	1029	910
31	1057	987	971	1028	1035	967	920	923	814	826	837	774	722	833	841	877	898	884	876	884	893	886	896	912	898
Mean	941	949	954	947	931	935	929	874	846	818	805	834	846	852	864	886	881	875	866	871	886	912	923	936	890

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook

D = 24°E + ...'

March 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	19.3	19.3	19.8	18.7	20.7	25.2	27.7	10.0	27.5	27.5	20.7	16.0	15.9	24.2	27.9	29.6	31.5	32.6	26.6	24.8	24.2	24.7	17.8	16.7	22.8
2	17.3	15.0	20.3	22.1	22.2	13.4	18.4	26.6	30.5	30.1	24.2	31.8	16.7	23.2	26.9	29.1	30.1	30.5	28.6	23.2	22.7	21.7	18.8	16.7	22.3
3 D	12.9	11.9	15.0	04.4	14.8	11.8	34.5	23.2	12.1	35.3	21.3	58.1	49.6	49.6	64.7	30.4	26.3	25.4	44.8	32.5	39.4	45.3	25.7	16.3	26.4
4	15.4	21.6	19.8	18.8	45.3	28.6	26.1	23.7	17.7	21.7	25.7	33.5	29.6	32.5	32.5	25.6	27.1	28.1	27.7	26.6	24.2	21.7	22.2	21.7	25.7
5	20.7	20.7	21.2	20.8	22.2	22.7	40.5	22.6	22.7	23.7	25.7	25.7	24.7	24.7	28.6	28.6	28.6	20.7	21.7	12.4	12.4	14.8	14.9	15.9	22.4
6	18.8	15.0	16.8	23.7	17.8	19.8	29.6	22.2	24.7	24.7	23.7	22.2	26.1	29.1	29.1	28.0	29.5	27.1	24.7	21.7	18.8	17.0	17.8	18.7	22.8
7 Q	20.7	20.7	20.7	21.2	21.2	21.7	21.8	22.7	24.6	23.7	23.2	14.4	22.7	23.7	21.9	26.5	28.7	28.7	25.2	20.7	18.8	17.7	16.8	16.8	21.9
8 Q	18.7	19.8	20.8	21.8	21.7	21.7	21.7	22.7	22.6	23.8	23.6	23.7	23.7	23.8	26.1	27.8	29.6	28.8	27.6	25.7	23.1	21.7	20.7	20.7	23.4
9 Q	19.8	20.3	21.2	21.2	21.7	21.7	21.7	22.2	22.3	22.6	22.7	22.7	22.7	22.7	24.7	27.6	29.6	29.6	25.6	21.8	18.8	17.8	16.8	17.8	22.3
10	17.7	18.0	18.7	19.8	18.7	18.7	28.6	24.7	23.9	22.7	23.2	23.2	24.7	24.9	26.6	28.6	29.1	27.1	24.7	31.1	24.7	18.9	22.7	28.7	23.7
11	18.9	17.3	09.1	19.2	21.0	21.7	32.5	35.5	26.6	14.4	24.4	24.7	25.2	25.7	28.6	32.5	31.5	31.5	25.2	18.8	17.8	18.3	17.8	15.9	23.1
12	18.3	18.9	19.8	19.9	19.8	20.7	20.7	22.7	23.2	23.7	24.7	24.7	21.7	24.7	30.1	33.0	36.3	30.5	30.5	22.2	19.3	16.8	16.8	18.3	23.2
13	19.8	21.2	20.7	20.7	29.6	24.7	26.6	30.1	27.6	25.7	19.9	18.3	22.8	25.7	26.6	28.1	28.1	25.7	22.6	19.8	17.8	15.4	15.9	15.7	22.9
14	16.3	18.8	20.3	20.7	19.9	21.7	21.2	21.7	28.6	26.5	35.5	23.7	29.6	08.9	21.6	34.5	37.3	33.5	28.6	24.7	21.2	19.9	18.9	19.9	23.9
15	18.3	21.8	20.7	21.6	20.7	21.2	21.5	27.6	29.8	22.7	23.8	21.2	21.5	24.5	28.8	31.5	35.9	31.2	30.2	23.9	20.7	18.9	18.3	18.2	23.9
16	19.8	20.3	20.7	20.7	20.7	20.7	20.7	21.7	26.8	28.1	24.7	23.0	23.7	25.6	28.5	31.5	32.5	31.6	27.8	24.2	18.9	16.8	13.9	15.8	23.3
17 Q	17.8	18.8	20.3	20.8	21.2	21.2	21.8	22.0	23.6	23.6	22.7	22.6	24.2	25.6	27.8	29.7	30.5	28.8	24.2	19.3	17.3	17.3	17.0	17.8	22.3
18 Q	18.7	19.8	20.7	20.7	20.7	20.7	20.8	22.2	27.1	22.2	22.3	23.2	23.3	24.7	27.1	29.6	25.2	23.7	27.6	24.6	19.3	16.8	16.3	16.3	22.2
19	18.8	18.9	19.8	21.9	19.8	19.8	20.7	22.7	22.7	23.8	23.7	24.6	20.7	23.7	19.7	23.7	27.0	25.2	22.8	21.8	20.7	19.8	13.9	10.9	21.1
20	10.1	14.4	12.8	23.7	20.9	21.6	21.6	21.6	21.7	21.7	22.4	22.6	23.8	25.7	28.0	32.4	33.5	31.5	26.3	21.2	18.8	15.1	15.0	13.9	21.7
21 D	16.8	16.3	18.5	18.8	16.7	26.5	20.3	21.2	20.7	30.1	28.1	22.7	15.9	24.8	29.6	31.5	32.9	25.7	22.7	02.3	13.8	15.0	15.9	21.7	21.0
22 D	20.7	13.9	18.9	10.9	10.0	12.7	06.6	00.3	22.1	24.2	28.1	27.9	21.6	22.7	28.5	29.7	33.5	30.1	26.7	17.0	18.2	24.8	26.1	23.2	19.2
23	25.2	18.8	20.7	17.8	06.2	03.1	23.9	21.4	21.8	21.4	22.2	22.6	23.2	25.2	27.7	30.5	31.5	29.6	26.1	23.7	21.7	20.6	20.8	21.7	21.2
24 D	21.7	21.8	20.8	19.8	17.8	20.8	25.7	21.7	21.7	24.7	16.8	40.3	35.9	40.3	28.1	31.1	20.3	21.7	24.6	17.8	20.7	22.7	19.3	17.8	23.9
25	16.9	16.8	15.8	19.8	30.5	22.7	18.1	24.7	12.9	27.6	10.9	18.3	25.7	30.4	33.4	36.9	36.5	29.6	21.7	15.4	16.8	16.8	15.4	13.4	22.0
26	13.9	15.9	16.8	19.4	20.3	20.7	24.2	22.6	14.9	33.0	39.9	32.5	30.7	21.7	28.1	31.5	31.5	32.5	21.4	18.1	15.9	15.8	17.8	17.3	23.2
27	18.8	19.9	20.3	18.8	22.2	22.7	20.8	21.7	24.7	23.7	26.5	28.6	28.6	30.1	31.4	33.4	29.6	31.0	18.3	15.4	14.8	16.8	15.9	14.9	22.9
28	15.4	10.0	27.8	08.0	17.8	20.8	29.6	25.6	25.7	25.7	31.5	24.7	34.5	30.5	32.5	35.0	37.4	35.9	27.7	26.2	23.3	30.1	29.6	18.1	26.0
29 D	18.8	29.6	16.9	21.2	15.8	19.3	26.6	05.6	33.0	32.6	19.7	19.8	21.2	23.2	29.5	32.0	33.0	27.7	28.6	25.0	24.3	22.7	18.9	18.8	23.5
30	18.7	20.3	20.7	21.2	22.6	35.0	22.7	23.2	21.8	22.2	20.8	22.6	22.7	27.6	32.0	34.6	35.9	35.0	36.4	24.2	17.7	19.3	17.8	12.4	24.5
31	12.4	12.9	07.5	16.8	16.8	22.7	21.6	20.8	28.6	26.7	28.6	34.4	30.5	33.0	30.5	26.7	28.6	27.6	20.7	18.8	14.9	11.4	10.8	10.9	21.4
Mean	18.0	18.4	17.6	19.2	20.2	20.6	23.8	21.8	23.7	22.9	24.2	25.6	25.3	26.5	29.3	30.4	30.9	29.0	26.4	21.3	20.0	19.8	18.3	17.5	22.9

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 11

Z = 58,000 γ +

March 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	769	753	759	770	796	796	770	694	699	651	620	607	705	737	753	753	747	747	759	770	777	812	796	753	741
2	759	766	786	796	769	688	661	732	597	735	688	619	732	723	736	746	747	737	746	748	756	778	764	769	732
3	769	807	834	833	516	567	499	719	679	646	682	1184	736	722	763	842	680	653	726	749	844	769	767	759	739
4	790	782	769	783	779	765	737	726	768	721	713	672	742	694	721	737	737	748	748	749	753	759	759	756	746
5	758	753	751	751	758	759	715	721	742	719	725	736	737	719	732	726	725	706	721	737	749	753	748	759	738
6	767	780	786	789	813	807	727	695	758	732	699	685	716	725	736	736	737	732	737	742	753	759	753	746	746
7	748	742	742	742	742	742	742	736	737	732	721	678	726	726	732	742	738	737	740	740	739	748	752	752	736
8	748	747	742	742	742	742	742	742	726	727	726	736	738	737	737	738	737	739	737	732	732	737	741	742	738
9	737	738	737	737	737	737	737	737	737	737	736	736	737	737	738	738	737	737	732	732	732	732	732	732	736
10	732	732	727	732	738	774	747	742	738	704	704	735	737	737	737	737	737	737	737	736	732	769	821	749	740
11	770	715	738	777	780	773	651	688	716	683	685	737	747	742	742	742	738	737	735	737	748	758	764	769	736
12	759	750	746	745	742	752	753	747	725	721	714	737	737	732	737	737	730	732	726	736	741	742	741	738	738
13	737	742	759	762	780	788	727	667	640	678	683	699	738	742	742	740	737	737	737	746	748	753	760	779	734
14	769	758	764	762	760	744	741	736	683	564	586	704	608	607	574	678	720	727	732	737	747	758	760	758	707
15	770	786	802	782	767	742	733	712	683	675	659	672	735	746	740	729	733	737	737	736	734	738	742	742	735
16	740	739	737	738	735	735	736	739	668	673	721	732	737	730	737	739	734	732	724	727	737	744	742	742	730
17	742	734	734	732	732	732	734	729	726	725	726	726	727	732	732	735	726	725	726	727	732	734	741	739	731
18	732	732	732	732	732	732	732	721	679	699	727	726	730	732	728	721	721	709	719	721	724	732	737	735	724
19	732	732	736	746	739	735	732	736	726	714	712	712	705	705	710	704	716	716	718	716	726	740	768	812	729
20	796	813	807	787	770	737	729	730	729	726	721	724	729	735	737	721	721	721	721	719	719	716	718	735	740
21	742	742	736	732	762	760	587	528	648	688	726	720	645	630	619	642	619	679	694	721	737	751	773	747	693
22	661	742	657	494	596	732	748	737	727	790	575	639	672	686	678	720	737	753	764	781	776	798	813	727	708
23	682	673	733	606	656	543	670	768	737	742	748	753	748	759	761	759	758	759	758	749	748	748	748	749	723
24	758	750	751	758	763	738	759	755	732	705	598	564	510	514	511	591	629	699	726	737	759	765	705	694	686
25	662	749	792	791	781	736	759	681	705	726	641	683	732	729	742	737	726	724	737	727	726	748	775	796	734
26	748	741	759	775	769	769	740	726	644	516	467	651	683	626	705	710	727	730	732	732	738	769	760	748	707
27	748	759	766	759	705	721	721	736	715	694	634	660	694	682	705	710	715	727	736	737	748	769	803	844	729
28	834	823	791	835	856	807	790	774	732	726	629	505	490	586	694	732	737	727	759	803	801	850	888	835	751
29	715	629	753	802	715	790	640	478	607	715	792	705	694	693	699	726	737	769	845	781	781	780	769	760	724
30	748	748	748	758	759	726	764	759	748	737	737	742	748	749	748	747	747	740	738	759	780	813	814	833	758
31	833	795	834	818	806	837	791	725	710	695	673	684	662	624	641	683	724	742	748	764	779	770	759	764	744
Mean	750	750	758	754	745	742	720	713	705	700	683	705	702	701	712	726	724	729	738	743	752	761	765	760	731

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook

March 1956

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range
	12,000 γ +		12,000 γ +			24° E +		24° E +			58,000 γ +		58,000 γ +		
h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ	
1	05 12	985	10 09	465	520	10 09	37.4	07 55	-37.7	75.1	21 50	838	07 49	445	393
2	03 34	1044	11 41	523	521	08 17	57.0	06 16	-31.2	88.2	03 30	844	06 05	468	376
3 D	05 00	1228	09 30	-87	1315	13 51	166.7	09 00	-109.2	275.9	11 28	1533	(04 44)	(279)	(1254)
4	06 23	1474	12 01	590	884	04 30	59.9	06 38	2.0	57.9	06 58	856	06 21	564	292
5	06 07	951	17 21	836	115	06 12	54.7	20 13	6.1	48.6	06 09	801	06 57	667	134
6	03 39	998	07 18	817	181	06 36	43.3	07 07	11.0	32.3	04 30	845	07 02	621	224
7 Q	12 50	916	19 19	820	96	06 20	30.2	11 10	4.0	26.2	22 13	864	11 15	639	225
8 Q	14 05	915	20 00	865	50	16 45	30.5	00 01	16.8	13.7	00 10	750	08 52	707	43
9 Q	10 59	915	19 40	871	44	17 36	30.5	22 10	16.4	14.1	00 04	742	21 22	727	15
10	23 58	1178	19 31	843	335	06 44	36.5	21 49	13.9	22.6	22 46	850	09 50	672	178
11	02 16	1336	10 03	711	625	06 36	55.1	02 13	-12.5	67.6	00 10	818	06 41	499	319
12	13 49	935	00 03	847	88	16 15	38.4	21 57	13.9	24.5	00 01	760	10 12	692	68
13	04 07	947	08 17	645	302	07 04	42.8	23 56	12.3	30.5	04 05	824	08 16	554	270
14	11 06	938	09 35	438	500	10 19	48.2	09 28	-8.6	56.8	00 01	790	10 07	434	356
15	01 19	946	10 36	767	179	16 37	39.3	02 12	15.8	23.5	02 26	823	10 30	602	221
16	08 10	930	09 07	837	93	07 11	36.9	22 16	13.8	23.1	21 48	755	08 56	622	133
17 Q	11 15	920	18 12	870	50	16 30	30.5	22 10	14.0	16.5	22 10	747	09 07	709	38
18 Q	13 15	924	16 48	858	66	08 10	32.5	23 00	14.0	18.5	22 55	745	08 35	662	83
19	23 31	978	21 54	877	101	16 34	28.1	23 08	8.3	19.8	23 09	819	15 06	679	140
20	02 38	1016	22 48	870	146	15 08	36.1	00 15	7.3	28.8	02 27	830	22 48	707	123
21 D	23 18	1144	08 55	203	941	08 42	62.5	08 11	-32.4	94.9	08 04	907	07 08	405	502
22 D	03 21	1425	07 19	326	1099	10 02	82.6	02 35	-121.1	203.7	07 25	953	00 14	429	524
23	01 51	1587	04 19	560	1027	06 18	49.1	05 23	-62.1	111.2	04 33	866	03 57	282	584
24 D	23 58	1041	10 37	364	677	14 42	66.3	10 42	-1.9	68.2	21 23	823	11 48	392	431
25	00 06	1104	10 34	670	434	04 47	41.3	08 15	-1.8	43.1	03 51	813	08 00	535	278
26	05 32	954	09 22	260	694	09 37	116.4	09 18	-14.6	131.0	09 25	807	(09 46)	(256)	(551)
27	23 50	986	10 40	822	164	04 13	43.7	20 06	10.9	32.8	23 03	868	10 40	606	262
28	22 12	1174	12 42	541	633	12 40	63.0	01 57	4.0	59.0	22 09	915	12 41	444	471
29 D	01 32	1377	07 20	299	1078	06 48	54.2	01 30	-76.0	130.2	10 17	834	(01 24)	(251)	(583)
30	22 17	1080	18 37	799	281	05 28	59.1	23 15	8.4	50.7	23 21	852	05 23	618	234
31	04 04	1129	12 01	485	644	12 19	52.1	08 02	1.6	50.5	05 04	909	12 47	575	334
Mean		1080		632	448		52.4		-10.2	62.6		851		540	311
No. days		31		31	31		31		31	31		31		31	31

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 13 Meanook

H = 12,000 γ +

April 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	927	931	935	966	1126	947	854	844	864	906	900	912	916	900	888	880	877	877	885	888	884	895	898	908	909	
2	909	896	897	907	911	908	914	916	916	900	767	776	884	759	891	888	835	833	849	845	849	1015	959	974	883	
3	1014	1037	976	1089	923	1006	1026	1035	978	892	761	830	888	920	896	876	870	873	891	884	891	888	901	900	927	
4	912	919	1010	942	920	939	963	953	896	751	892	893	892	876	880	882	880	872	876	885	877	896	896	907	900	
5	927	915	907	920	930	892	735	849	916	923	923	914	904	884	797	853	888	871	873	892	892	899	892	908	888	
6	922	926	920	912	912	916	920	930	920	927	916	896	826	833	912	916	915	892	876	876	885	881	915	917	903	
7	1190	1172	927	896	901	901	902	916	720	896	924	876	790	815	865	862	899	893	898	898	906	908	920	929	908	
8	912	913	916	909	912	916	920	920	833	870	831	902	854	904	923	915	900	885	869	884	895	898	903	910	896	
9	911	909	908	906	908	916	888	916	914	906	939	931	927	911	930	920	899	884	869	877	890	900	909	916	908	
10	909	912	908	907	912	920	892	814	849	814	517	806	853	931	923	813	876	892	884	873	880	892	902	927	867	
11	920	921	927	924	923	913	915	916	923	920	924	923	920	924	920	920	908	861	827	860	873	899	909	898	907	
12	935	939	908	909	909	915	916	908	908	900	913	866	849	779	904	900	891	391	888	889	882	884	893	904	895	
13 Q	918	925	930	920	916	920	924	906	914	912	885	884	869	921	922	908	892	889	885	876	876	881	893	901	903	
14 Q	915	916	920	920	923	915	912	915	924	925	925	916	901	923	932	926	908	901	890	882	876	877	886	900	910	
15 Q	924	932	924	929	932	927	924	923	924	930	932	935	934	938	935	926	912	904	901	893	892	885	885	909	919	
16	930	930	932	943	970	996	916	927	924	924	931	932	932	935	920	880	833	878	876	892	884	938	1018	1072	930	
17	1111	1076	1151	1145	1079	1050	924	959	923	857	837	901	870	822	760	830	876	879	866	873	912	961	959	930	940	
18	918	896	900	959	974	960	892	866	896	869	775	786	923	916	873	873	906	894	885	890	880	886	951	953	897	
19	965	947	957	1012	1076	1033	979	751	780	906	835	796	822	845	763	835	866	862	902	915	909	891	888	894	893	
20	913	926	945	939	926	921	915	915	915	910	910	912	906	894	877	888	880	872	880	882	891	904	934	951	909	
21 D	941	978	968	999	973	966	945	934	837	898	738	516	888	932	943	931	904	822	736	794	1014	1225	1276	1386	939	
22 D	1162	1205	1336	1281	876	802	176	116	650	418	137	467	820	908	884	845	837	849	873	904	921	963	1020	1029	812	
23	908	912	963	918	870	869	874	880	880	855	849	879	901	904	894	891	880	880	890	890	898	888	880	894	889	
24 Q	891	897	902	916	912	902	899	902	902	902	900	893	894	894	893	894	883	872	871	875	879	884	894	913	894	
25 Q	919	914	918	913	912	910	912	914	920	923	924	926	923	923	908	907	884	874	876	875	886	888	881	902	906	
26	919	907	933	964	949	951	951	838	813	937	821	591	727	922	908	903	895	884	883	848	899	991	1165	1344	914	
27 D	1453	1032	811	962	1046	786	552	403	534	681	402	360	244	407	291	278	576	684	908	1025	973	1079	1158	1261	746	
28 D	1238	1237	1132	991	661	1003	930	895	953	871	845	849	825	907	908	906	904	890	894	893	928	950	1004	1281	954	
29	1099	1237	1439	1208	1004	928	468	661	490	746	717	829	840	929	930	926	918	911	898	900	889	889	899	932	904	
30 D	962	937	995	1100	995	1110	966	847	844	869	829	731	849	931	875	926	933	875	875	898	919	883	914	937	917	
31																										
Mean	982	973	973	974	939	935	863	849	855	865	813	821	852	876	872	870	878	871	876	885	898	924	947	980	899	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Meanook

D = 24° E + ...'

April 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	11.4	10.0	11.9	19.3	13.9	24.7	18.3	17.7	25.7	23.7	25.2	21.7	23.2	25.2	29.1	28.6	29.6	25.7	19.3	18.3	17.8	15.4	15.4	15.9	20.3	
2	12.9	13.9	16.0	16.7	17.8	19.9	20.7	20.7	20.3	28.6	35.5	35.5	26.5	22.7	28.6	32.0	26.6	15.0	17.8	15.9	17.7	18.8	13.4	09.6	21.0	
3	06.9	04.6	05.6	19.3	11.9	13.9	13.4	17.3	20.3	23.7	20.7	27.1	26.6	32.0	33.5	34.0	31.5	22.7	19.8	18.8	16.8	16.1	16.3	16.3	19.6	
4	14.4	15.0	16.9	17.3	20.3	18.0	20.7	22.7	21.2	08.5	24.7	28.5	26.2	26.1	25.7	27.5	29.6	27.5	23.7	21.2	20.2	18.8	18.2	17.8	21.3	
5	16.8	17.8	20.8	18.8	27.3	21.2	07.5	21.2	26.6	22.2	23.3	24.7	24.7	26.5	23.7	23.6	28.6	25.2	23.7	15.9	17.8	15.9	15.8	17.0	21.1	
6	18.8	20.3	20.7	21.2	21.1	19.8	20.7	23.2	27.1	23.6	21.8	22.7	25.7	34.4	29.8	28.7	29.6	29.5	25.7	22.7	19.7	15.4	15.9	16.3	23.1	
7	16.8	25.2	18.3	18.8	19.8	20.7	23.7	23.7	13.9	19.8	24.7	21.6	16.8	24.8	29.9	28.1	28.1	27.0	22.8	19.8	20.7	19.3	19.3	18.8	21.8	
8	21.1	21.6	23.8	24.0	22.2	19.7	19.7	20.7	16.8	17.8	23.8	27.0	27.1	29.1	30.5	31.4	31.5	27.7	23.6	15.4	12.9	14.4	16.8	19.8	22.4	
9	21.7	22.7	21.8	21.6	20.3	19.3	27.7	20.7	21.8	25.7	25.7	23.2	25.7	28.6	32.5	33.5	22.6	28.7	24.6	14.9	15.9	14.0	16.3	17.9	22.8	
10	19.8	20.3	19.8	20.3	19.8	19.8	24.7	17.0	33.5	26.2	22.8	38.4	36.5	30.5	31.5	23.6	33.5	31.4	25.7	30.5	18.8	18.7	19.3	18.8	25.0	
11	18.8	19.8	20.7	19.8	20.4	19.7	21.2	22.7	21.8	22.7	22.7	22.7	22.6	29.6	33.5	35.0	34.5	36.9	31.5	13.9	16.7	18.8	18.3	18.9	23.5	
12	19.8	21.2	22.3	19.9	20.7	20.8	20.7	32.8	20.3	23.8	26.6	20.7	18.3	23.8	31.5	32.5	31.6	30.5	26.7	24.6	20.7	19.8	18.3	17.7	23.6	
13 Q	16.8	17.8	18.7	20.7	22.1	19.8	23.7	21.2	24.7	22.7	22.3	22.7	24.8	30.2	31.0	30.5	29.6	28.3	23.7	21.2	18.8	16.9	17.3	17.9	22.6	
14 Q	17.8	18.8	18.8	18.9	19.9	21.7	23.7	22.6	21.8	22.1	21.2	17.8	18.7	24.7	30.1	30.5	30.5	26.7	24.8	25.0	19.8	17.8	14.9	14.8	21.8	
15 Q	15.0	16.9	17.9	18.9	19.8	23.3	20.7	21.2	21.7	21.7	21.6	21.7	23.8	25.7	28.6	31.5	33.5	28.1	28.7	18.3	16.9	14.9	14.0	14.0	21.6	
16	14.0	15.9	18.3	20.3	20.7	18.0	22.7	25.7	21.8	21.7	22.7	21.2	20.7	22.7	28.1	33.5	31.5	22.7	21.8	26.1	22.2	19.8	18.9	19.3	22.1	
17	22.7	22.6	17.8	13.9	20.7	22.6	19.3	19.8	19.3	33.4	31.0	26.9	25.7	30.1	27.6	26.6	27.6	30.3	25.2	17.8	18.8	21.4	16.3	13.4	23.0	
18	14.7	15.9	19.5	18.1	26.6	22.7	23.0	32.4	23.6	19.1	17.7	26.1	26.5	28.7	32.0	29.1	27.1	27.4	24.6	23.2	19.0	16.7	15.0	14.4	22.6	
19	13.9	14.2	13.2	13.2	09.0	20.7	19.8	-5.2	22.7	22.2	21.4	23.7	28.9	31.7	28.6	26.9	26.6	16.8	15.9	17.1	20.7	21.2	20.5	19.3	19.3	
20	18.7	17.8	19.9	17.8	18.7	17.1	17.8	18.9	19.7	21.7	22.6	25.4	27.6	28.9	28.6	30.3	30.1	27.7	24.7	20.7	16.3	12.9	12.9	11.9	21.2	
21 D	12.9	14.4	11.4	16.8	15.9	19.1	17.8	16.3	08.9	23.7	22.7	61.9	32.6	32.6	34.8	35.0	35.5	40.3	41.3	45.1	34.5	43.3	35.0	23.7	28.2	
22 D	10.9	08.0	42.3	28.2	47.7	27.7	24.9	24.9	17.8	54.1	41.4	34.6	39.1	35.5	38.4	37.4	37.4	32.6	29.3	25.3	20.8	19.1	18.3	16.3	17.5	
23	17.5	16.3	18.2	18.8	19.8	20.5	22.0	20.5	20.7	20.1	27.1	22.7	26.8	28.3	29.1	30.5	29.6	27.6	25.7	23.8	20.5	18.5	18.7	18.3	22.6	
24 Q	18.5	18.5	20.3	20.7	19.5	18.3	19.8	20.5	21.2	21.6	23.4	24.5	26.7	30.8	32.2	32.0	30.6	27.4	20.7	18.0	15.3	15.9	15.7	16.8	22.0	
25 Q	14.2	16.3	20.8	19.3	19.5	19.6	19.5	19.1	19.8	20.5	21.5	23.0	27.9	32.5	33.6	33.9	29.5	25.1	16.3	16.3	12.4	09.5	08.9	12.4	20.5	
26	15.1	16.4	17.7	20.3	32.5	20.9	20.9	18.3	28.6	22.6	22.2	18.3	31.5	33.6	35.7	36.9	36.9	32.5	22.8	13.8	14.9	21.7	23.2	07.9	23.6	
27 D	20.7	13.1	68.3	70.8	37.3	04.8	12.1	17.2	08.0	34.5	06.5	33.4	44.9	49.5	26.9	36.9	35.7	39.4	39.3	36.4	25.7	36.4	39.3	21.2	11.2	
28 D	11.3	08.2	10.5	03.7	05.9	16.0	13.9	10.8	26.3	23.6	24.2	22.8	28.7	34.4	36.5	38.4	38.8	38.6	36.4	27.1	19.1	12.9	06.0	06.5	20.9	
29	09.0	07.7	01.8	15.9	04.0	05.9	22.2	14.8	13.3	08.4	30.4	19.9	24.2	35.5	38.8	38.4	32.1	26.6	24.2	20.8	17.8	16.8	17.6	17.3	17.9	
30 D	20.3	22.1	13.9	14.4	16.7	14.3	13.9	13.1	19.0	29.3	25.2	28.6	29.0	29.4	47.2	44.2	39.8	36.9	26.5	21.8	21.6	17.7	19.4	22.2	24.4	
31																										
Mean	14.7	15.6	12.1	13.7	14.7	16.8	19.1	17.6	20.9	23.6	24.1	26.3	26.9	29.9	31.6	32.0	31.3	28.8	25.2	21.7	19.0	18.6	17.8	16.4	21.6	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 15 Meanook

Z = 58,000 γ +

April 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	780	791	796	790	753	715	742	661	651	726	725	727	759	758	738	736	732	747	749	753	759	769	770	770	746	
2	775	760	748	748	748	748	748	748	747	727	585	598	683	673	683	710	706	705	745	760	780	866	823	803	734	
3	732	758	866	747	725	786	735	721	721	760	716	660	714	732	726	716	726	728	737	738	741	747	748	748	739	
4	753	764	764	752	768	770	779	781	749	597	694	725	737	732	747	732	737	738	742	749	755	755	748	748	742	
5	753	754	759	759	737	695	656	656	699	724	732	727	729	712	672	679	713	725	725	748	752	754	747	742	723	
6	738	737	747	740	737	742	739	736	705	725	721	673	608	565	683	715	726	730	736	744	753	753	759	753	719	
7	813	802	790	737	742	746	737	730	591	682	726	694	634	645	695	737	741	742	748	748	755	748	748	751	728	
8	745	745	748	746	742	733	735	730	513	650	621	699	683	715	725	732	732	730	726	738	747	748	746	742	716	
9	737	733	735	739	734	740	705	714	725	682	726	729	735	725	732	732	732	727	732	737	738	753	749	737	730	
10	732	732	732	732	732	732	721	652	650	641	583	586	642	699	729	637	686	718	726	738	747	749	747	751	700	
11	742	729	733	732	748	742	737	734	726	721	725	726	725	727	719	726	732	727	736	737	759	764	754	744	735	
12	767	784	765	747	735	735	725	688	667	651	682	706	693	630	694	708	709	725	716	720	727	733	732	732	716	
13 Q	735	730	737	750	757	738	715	683	709	716	695	674	708	721	725	725	721	716	714	715	725	721	719	716	719	
14 Q	719	721	719	719	719	726	729	725	720	715	710	687	681	694	725	725	727	726	726	726	727	732	736	732	719	
15 Q	739	742	737	737	737	760	742	737	732	726	724	716	728	726	726	727	727	724	726	736	736	737	738	738	733	
16	742	733	734	742	786	792	705	736	725	710	712	715	725	720	702	705	678	693	710	742	770	826	859	864	743	
17	814	803	813	747	732	739	715	766	764	705	695	727	714	697	691	719	726	739	742	742	755	812	786	774	746	
18	781	766	755	788	793	789	710	634	729	716	688	656	745	749	734	734	745	748	748	755	764	759	786	809	745	
19	818	799	807	796	772	809	767	678	678	728	708	651	661	667	611	651	699	736	758	753	750	750	751	759	732	
20	764	762	770	769	753	750	755	746	740	729	729	732	732	727	712	719	721	718	715	726	748	769	786	796	744	
21 D	799	794	799	824	820	796	766	750	570	691	672	618	737	748	735	737	732	738	732	766	881	833	732	759	751	
22 D	796	708	274	563	537	688	357	729	869	899	863	857	715	748	764	759	756	761	773	786	792	806	846	837	728	
23	802	798	809	787	759	749	739	737	736	719	683	699	732	753	753	749	749	747	740	738	740	741	749	751	748	
24 Q	751	749	746	751	753	753	740	740	740	739	736	736	737	739	735	735	735	736	734	734	733	733	742	761	741	
25 Q	762	774	768	750	749	744	742	740	740	739	734	739	733	733	725	723	723	721	723	729	738	738	742	748	740	
26	754	752	759	802	790	796	745	745	745	751	721	788	736	739	737	736	728	726	732	722	758	773	817	723	753	
27 D	(343	310	304)	510	505	550	721	972	926	887	915	775	699	660	618	678	669	710	823	818	787	841	840	775	693	
28 D	578	543	(238)	383	535	769	761	747	766	774	775	753	752	780	786	783	778	761	761	755	758	764	780	803	704	
29	707	695	408	701	747	750	701	591	546	681	732	794	769	765	755	763	760	765	762	760	753	754	759	782	717	
30 D	812	808	813	725	685	580	648	645	752	755	799	790	710	750	716	728	750	750	764	795	791	775	786	784	746	
31																										
Mean	743	736	706	727	728	739	717	722	711	722	718	712	712	714	716	722	726	732	740	747	757	767	768	764	731	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook

April 1956

Day	Horizontal Intensity						Declination					Vertical Intensity										
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +		Range	Maximum 58,000 γ +		Minimum 58,000 γ +							
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.		m.	'	h.	m.	γ	h.	m.	γ	γ	
1	04	41	1261	06	56	587	674	05	24	39.3	05	10	-19.3	58.6	07	05	861	04	34	336	525	
2	21	43	1084	10	29	686	398	10	06	46.6	23	57	5.1	41.5	21	43	883	10	25	513	370	
3	03	15	1158	10	49	736	422	03	45	57.5	01	17	-1.8	59.3	02	56	913	03	50	316	597	
4	02	47	1131	09	43	656	475	02	56	43.1	09	35	-1.9	45.0	03	53	831	09	38	503	328	
5	04	30	963	06	39	598	365	04	30	37.3	06	30	-9.6	46.9	04	23	766	06	51	548	218	
6	23	58	1017	13	21	760	257	13	55	48.1	23	59	7.5	40.6	22	32	775	13	14	505	270	
7	00	39	1342	08	35	568	774	01	05	56.0	08	40	-8.2	64.2	00	28	884	12	10	505	379	
8	13	57	933	08	44	712	221	14	55	34.5	08	36	3.5	31.0	03	11	758	09	41	243	515	
9	07	46	950	07	00	782	168	06	25	42.3	06	56	-6.7	49.0	05	56	754	06	55	572	182	
10	23	52	974	10	19	371	603	10	19	50.1	10	47	-1.8	51.9	06	30	746	07	02	485	261	
11	22	54	943	18	48	784	159	17	18	41.6	19	07	8.7	32.9	21	16	782	14	33	706	76	
12	00	15	991	13	25	713	278	07	15	49.3	12	38	14.0	35.3	01	45	798	13	26	576	222	
13 Q	01	07	946	09	50	861	85	14	30	32.6	07	10	13.9	18.7	04	00	759	07	04	618	141	
14 Q	13	55	943	21	43	856	77	15	30	31.6	23	45	13.8	17.8	22	08	741	12	58	659	82	
15 Q	01	16	951	21	55	873	78	16	36	37.0	19	34	12.9	24.1	05	22	777	18	01	711	66	
16	23	33	1083	16	20	806	280	15	45	37.8	06	05	-0.7	38.5	23	02	881	06	28	613	268	
17	02	17	1241	14	35	736	505	09	30	49.1	04	20	0.8	48.3	00	06	867	03	58	592	275	
18	04	06	1072	10	30	603	409	04	06	41.3	06	29	2.5	38.8	04	03	872	07	35	516	356	
19	04	17	1154	07	54	498	656	06	50	40.8	07	55	-27.3	68.1	04	45	908	07	40	529	379	
20	02	41	1011	17	50	861	150	15	58	31.5	23	50	9.0	22.5	23	59	813	14	22	706	107	
21 D	23	11	1456	07	37	354	1102	10	23	87.9	08	35	-8.8	96.7	03	56	858	11	20	496	362	
22 D	02	46	1598	06	54	-451	2049	09	38	110.2	02	46	-106.3	216.5	11	50	1194	(02 40)	(-286)	(1480)		
23	02	34	1033	10	02	781	252	10	18	36.3	01	43	12.4	23.9	02	30	831	10	16	647	184	
24 Q	01	17	927	18	27	861	66	15	20	33.0	20	30	14.4	18.6	23	32	772	12	05	729	43	
25 Q	11	38	947	18	28	869	78	15	24	35.5	21	59	5.6	29.9	01	53	799	17	23	711	88	
26	23	38	1483	11	51	383	1100	11	59	54.0	11	49	-13.6	67.6	11	40	864	23	55	481	383	
27 D	00	37	1643	06	59	-396	2039	12	50	92.1	(02 41)	(-115.9)	(208.0)	10	15	1295						
28 D	23	33	1449	04	50	168	1281	00	42	64.6	00	47	-104.7	169.3	05	15	969	02	21	130	839	
29	02	19	1635	06	16	158	1477	05	53	46.7	07	35	-61.5	108.2	09	53	891	(07 15)	(179)	(712)		
30 D	03	26	1318	11	00	620	698	14	39	66.8	07	30	-31.6	98.4	02	06	894	03	30	364	530	
31																						
Mean			1155			582	573			49.1			-13.2	62.3			843			490	353	
No. days			30			30	30			30			30	30			29			29	29	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 17 Meanook

H = 12,000 γ +

May 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	944	926	950	937	998	936	888	764	690	532	530	488	696	861	908	898	901	853	906	911	899	903	911	919	840	
2 Q	914	915	910	914	915	913	915	922	910	900	914	911	910	907	907	907	899	891	883	876	875	891	899	900	904	
3	919	936	929	922	919	919	917	919	922	919	844	848	891	915	929	930	915	899	883	907	908	896	893	907	908	
4	907	924	926	920	926	924	923	924	928	926	884	919	844	762	706	894	915	906	892	895	905	911	913	950	897	
5	937	921	914	907	914	915	936	912	932	915	782	710	908	947	942	929	906	876	878	915	896	911	930	922	902	
6	939	933	937	891	934	914	916	911	883	732	907	919	923	895	887	858	879	883	897	903	905	911	934	930	901	
7	937	933	937	931	919	919	915	911	891	903	908	905	875	929	927	926	911	895	879	884	869	908	908	923	910	
8 Q	915	915	920	914	907	911	915	922	923	919	919	924	930	937	924	895	883	872	879	887	895	910	920	919	911	
9 Q	910	916	929	922	915	920	920	929	925	926	929	931	942	942	934	919	907	893	884	899	911	911	911	915	918	
10 Q	919	926	915	923	916	916	925	923	925	931	931	931	937	937	931	923	912	907	889	898	897	906	916	923	919	
11 Q	937	945	925	915	911	914	919	922	923	922	922	923	926	928	923	914	899	895	907	919	919	915	916	939	920	
12	952	971	939	922	981	976	1009	966	945	861	739	664	813	659	519	759	845	915	922	914	950	966	958	981	880	
13	981	951	953	1063	1072	1173	1036	641	262	435	318	358	462	560	799	839	907	936	926	916	915	898	916	981	804	
14	915	915	916	905	923	903	907	883	754	432	699	618	664	766	805	850	891	872	848	891	915	952	976	958	840	
15 D	1002	1041	1085	1157	937	796	713	382	681	476	355	244	364	475	664	710	749	856	968	976	997	1035	1092	1003	782	
16 D	1207	1279	1259	1027	872	561	045	809	724	553	553	617	179	133	119	449	556	705	864	875	955	1101	1392	1360	758	
17 D	1330	1302	1221	774	915	305	710	713	574	361	399	374	360	197	518	848	923	942	927	930	927	919	947	946	765	
18	934	969	951	1020	958	879	770	739	558	861	883	910	926	919	914	892	883	901	916	915	907	911	930	936	891	
19	914	919	919	910	899	908	912	922	890	613	699	883	937	930	907	907	895	883	875	882	898	885	892	906	883	
20	903	908	955	950	926	903	907	887	900	851	652	113	447	938	969	934	924	883	883	881	911	1001	1063	1080	865	
21	1103	1062	1074	1016	917	874	748	605	687	864	901	903	923	922	922	911	891	886	884	884	882	884	895	907	898	
22	926	939	950	931	930	938	836	770	805	527	550	643	605	749	850	890	886	875	907	923	950	928	970	908	841	
23	903	915	907	905	903	909	923	914	914	832	648	777	840	864	754	812	856	887	891	899	905	985	1126	1459	905	
24 D	1389	1290	1266	1063	1039	901	789	684	664	774	288	234	080	284	597	783	947	953	946	731	1085	1344	1451	1427	875	
25 D	1344	1247	1195	1215	1005	950	444	529	700	481	576	660	594	660	831	959	961	950	915	907	923	892	961	1031	872	
26	1064	1171	1028	1028	1053	1016	993	946	923	911	910	911	911	900	895	881	884	883	892	892	913	946	930	958	952	
27	942	924	924	901	909	912	912	911	905	908	915	915	919	915	908	899	891	891	891	891	892	908	910	923	931	911
28	979	1004	1058	1109	949	922	919	910	807	849	910	904	863	897	925	925	914	899	896	897	899	904	915	927	924	
29	941	941	918	910	910	922	918	914	911	922	920	914	922	917	907	920	929	892	856	839	914	983	993	961	920	
30	979	937	905	966	1001	997	941	924	821	930	824	839	908	902	804	859	902	906	878	882	879	922	922	933	907	
31	976	957	941	922	915	910	923	921	922	930	929	933	933	941	941	932	918	910	896	898	896	907	930	957	927	
Mean	996	995	986	961	942	895	853	836	813	771	746	736	756	790	821	869	886	890	895	894	916	943	975	990	882	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 18 Meanook

D = 24°E + ...'

May 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	21.0	20.8	24.2	26.2	42.8	30.0	38.0	27.9	38.4	28.0	29.6	22.8	29.5	29.6	35.4	34.0	30.5	24.9	23.2	22.6	18.3	18.8	18.8	18.8	27.2	
2 Q	18.3	18.8	19.8	20.5	19.2	21.1	24.7	21.8	20.7	19.8	21.7	23.7	26.7	29.6	31.0	30.6	29.1	27.6	25.1	19.3	15.9	16.3	15.9	16.8	22.2	
3	18.3	19.8	17.3	19.2	27.9	21.7	19.3	19.8	21.1	22.7	16.4	19.9	27.6	35.5	34.4	37.9	36.5	32.0	24.1	20.4	17.4	15.9	14.0	13.9	23.0	
4	15.9	16.9	18.8	19.8	19.7	18.9	18.9	20.4	20.7	23.8	17.9	23.7	27.6	38.4	42.3	33.6	27.8	26.6	23.7	18.9	16.0	15.8	15.8	14.1	22.3	
5	14.8	14.9	20.3	19.5	20.7	20.8	26.0	30.5	23.2	20.7	14.9	25.7	26.6	33.0	32.5	31.5	29.7	30.5	15.4	17.8	13.0	15.9	15.9	16.7	22.1	
6	18.0	19.7	19.6	19.7	20.8	30.5	21.8	18.9	18.3	23.6	27.5	27.6	29.7	28.6	28.6	24.2	25.2	22.5	20.7	17.7	16.3	16.3	15.9	18.3	22.1	
7	19.9	19.3	20.7	29.5	23.7	23.7	21.2	21.2	24.6	21.7	20.8	17.8	20.8	32.5	36.3	35.9	31.9	27.1	22.6	24.7	14.9	14.9	17.1	17.8	23.4	
8 Q	19.5	19.2	19.4	20.7	19.8	19.9	19.8	20.4	21.2	19.1	20.8	24.7	27.8	30.1	34.5	32.5	30.1	23.9	17.8	14.9	13.9	14.5	16.5	18.8	21.7	
9 Q	20.3	20.3	20.7	21.4	21.2	19.8	18.3	18.3	22.2	22.0	21.4	22.8	25.4	27.6	29.6	29.6	29.5	25.2	18.9	14.4	12.0	13.1	14.3	16.9	21.0	
10 Q	18.3	18.8	19.5	19.3	19.8	19.9	20.3	21.2	20.7	21.2	22.4	24.1	25.6	28.1	31.0	30.5	28.6	27.7	22.7	19.8	16.2	13.3	13.1	14.9	21.5	
11 Q	16.4	19.8	24.6	22.1	20.7	19.8	19.8	20.7	19.9	19.3	18.7	20.7	24.2	28.1	30.5	31.2	29.6	25.7	21.2	17.3	16.7	18.3	19.3	18.4	21.8	
12	24.6	22.7	25.7	22.7	28.6	22.7	20.7	18.8	20.3	19.3	17.7	30.5	39.6	43.2	16.8	42.9	40.3	24.7	23.2	18.2	13.4	16.9	08.0	11.9	23.9	
13	13.9	17.8	15.9	12.0	10.5	08.5	24.2	07.5	07.1	40.8	56.0	30.1	36.9	40.3	34.9	33.0	29.6	30.5	26.1	19.3	16.9	16.9	18.8	21.7	23.7	
14	21.2	20.8	21.7	21.2	22.7	20.7	22.2	25.2	20.3	25.6	19.8	22.6	31.1	17.9	23.8	33.0	31.0	29.2	23.2	19.3	14.8	15.9	17.0	17.8	22.4	
15 D	17.7	23.7	20.8	11.9	18.4	23.1	16.8	08.5	19.8	32.5	22.7	21.2	16.9	25.6	23.6	30.5	32.5	31.5	19.8	23.9	26.0	27.4	28.3	24.7	22.8	
16 D	12.1	22.7	29.7	04.0	04.0	00.1	07.2	00.2	12.9	22.7	36.2	30.9	71.8	77.3	64.9	59.4	59.1	42.4	38.4	41.3	37.3	48.2	58.5	47.7	33.9	
17 D	26.6	30.5	32.4	03.8	01.6	07.5	20.3	26.1	29.1	21.7	48.9	31.6	44.3	47.7	29.6	35.9	37.4	30.5	22.8	17.7	18.8	18.8	19.7	19.9	25.6	
18	19.2	19.9	20.7	20.3	20.3	26.5	21.5	20.7	17.8	21.7	20.7	24.2	29.1	31.5	31.9	28.7	25.7	23.1	20.4	17.8	16.8	15.4	17.4	16.8	22.0	
19	18.9	20.8	19.7	20.3	18.9	17.8	20.7	20.7	14.9	59.5	34.5	28.1	28.6	32.0	34.6	36.5	30.0	24.9	18.8	16.3	16.7	14.4	15.4	16.3	24.1	
20	17.5	18.3	19.9	22.2	24.2	19.4	17.7	15.9	19.8	16.8	15.9	45.5	45.5	44.2	40.4	37.9	34.5	33.0	21.7	12.0	13.4	16.8	15.4	12.9	24.2	
21	14.0	11.1	17.9	18.8	21.8	15.8	07.5	12.4	15.8	16.0	19.7	23.7	27.7	30.5	33.5	34.5	33.6	29.6	28.6	21.8	14.9	13.9	14.4	14.9	20.5	
22	15.8	14.4	14.8	18.8	17.9	21.7	21.7	20.3	31.0	27.1	40.3	27.4	38.9	35.0	35.9	34.5	29.5	28.1	23.2	20.2	17.3	16.7	18.3	17.8	24.4	
23	16.3	17.5	18.3	18.7	19.9	20.6	21.2	21.3	20.2	19.1	19.0	29.6	32.4	37.9	28.6	21.7	20.7	18.3	21.2	15.4	18.8	29.1	35.0	23.0		
24 D	13.2	18.8	19.8	01.6	02.7	10.5	02.2	05.1	11.8	17.7	22.7	09.8	26.6	33.5	52.0	42.3	41.3	35.5	27.0	31.0	42.2	55.0	67.3	48.1	25.7	
25 D	14.4	08.0	02.5	05.7	03.2	08.0	04.1	20.3	17.5	23.1	25.7	18.8	39.8	39.3	31.5	32.9	37.4	35.3	26.5	22.7	19.4	15.8	12.8	10.1	14.3	
26	12.9	08.0	10.5	13.0	18.3	18.8	13.9	12.0	19.3	19.9	23.6	25.7	29.6	33.6	36.5	37.3	33.7	32.0	27.1	20.7	13.9	13.0	09.9	13.0	20.7	
27	13.9	16.7	16.9	16.8	17.7	18.8	16.8	19.3	18.2	20.3	20.7	22.6	24.2	27.0	31.4	32.5	31.5	28.2	52.9	19.9	16.8	10.9	08.9	11.4	21.4	
28	12.4	09.6	10.0	23.1	18.8	18.8	17.8	19.8	10.9	15.4	20.4	23.6	23.7	27.5	33.4	31.4	30.1	27.6	25.8	20.7	17.9	16.0	16.8	18.3	20.4	
29	18.1	19.3	19.8	19.3	19.5	19.5	20.7	25.7	25.2	23.4	21.2	24.8	30.1	31.5	34.0	33.0	29.5	31.4	43.4	11.9	09.5	21.7	21.2	19.3	23.9	
30	11.6	17.8	15.9	18.3	20.7	18.7	20.1	20.3	35.2	18.8	20.7	23.7	30.4	31.1	31.2	32.0	29.6	20.3	22.2	17.3	14.9	15.5	14.5	15.9	21.5	
31	17.8	18.8	19.8	20.3	18.5	17.3	16.8	16.8	18.3	19.3	19.4	21.7	26.5	30.1	29.6	29.2	26.1	26.1	23.7	18.4	14.8	12.9	14.4	14.0	20.4	
Mean	17.2	18.2	19.1	15.5	16.9	18.7	17.9	18.3	20.5	23.3	24.8	24.5	31.0	34.0	34.0	34.1	32.0	28.3	24.8	20.0	17.5	18.5	19.4	19.1	22.8	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 19 Meanook

Z = 58,000 γ +

May 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	769	776	796	791	772	694	625	(478)	506	629	681	694	671	701	726	734	746	724	747	753	754	762	760	759	710	
2	Q	748	747	742	746	747	753	742	730	713	695	725	729	737	736	732	732	732	732	729	732	736	740	747	753	736
3		765	768	760	762	748	751	748	737	716	715	657	634	657	699	722	735	732	737	732	737	735	742	744	746	728
4		748	740	740	742	748	748	737	737	735	715	665	694	634	631	660	710	726	735	737	744	747	738	737	742	720
5		748	748	753	748	748	747	741	695	742	726	651	598	697	737	740	730	726	727	737	753	759	766	759	741	730
6		737	735	733	733	742	740	738	737	688	559	705	705	729	727	720	704	713	721	732	732	737	737	746	749	721
7		759	747	759	767	759	748	735	725	700	671	705	706	679	738	732	733	734	732	736	748	765	764	748	746	735
8	C	740	737	732	730	732	732	729	729	728	714	695	715	732	732	730	726	726	722	724	726	732	736	739	738	728
9	C	737	732	734	730	729	730	727	726	714	721	727	732	733	733	733	732	727	724	718	726	735	733	728	728	729
10	Q	732	739	732	732	729	728	729	729	729	729	729	729	729	729	728	726	721	721	715	713	710	714	721	729	726
11	Q	737	747	747	733	726	726	725	721	722	723	722	726	726	726	720	721	721	721	720	729	736	736	738	747	729
12		759	774	767	739	726	779	775	779	624	591	678	603	617	597	537	552	671	749	759	749	765	792	784	796	707
13		791	781	769	824	844	791	705	619	(510)	877	599	533	711	659	602	650	721	760	748	748	758	765	812	722	
14		780	759	742	739	749	758	742	704	608	626	563	575	602	549	570	674	737	736	736	778	790	791	791	782	703
15	D	801	830	835	793	736	640	683	559	659	576	821	554	545	661	543	607	662	770	818	840	845	887	887	829	724
16	D	832	746	608	645	591	764	1039	910	964	833	742	885	932	846	796	807	705	726	759	856	861	886	759	640	797
17	D	574	685	577	494	673	845	804	803	1012	887	899	932	380	580	479	678	758	775	767	770	765	768	786	796	729
18		792	800	786	813	796	726	699	667	714	683	706	737	768	759	748	747	737	738	739	742	758	767	780	780	749
19		769	764	760	759	752	747	742	737	705	542	575	684	749	753	738	732	737	741	742	747	758	759	759	758	729
20		750	750	764	780	790	752	725	695	710	730	652	803	724	738	760	742	738	714	738	737	742	829	812	814	750
21		817	848	802	715	656	735	742	715	704	708	727	742	759	748	749	749	753	751	738	737	737	738	746	748	743
22		753	752	760	780	758	727	510	466	591	786	803	813	597	604	639	688	713	715	753	767	781	742	768	744	709
23		735	732	736	736	738	738	739	742	725	648	651	608	651	669	580	586	653	688	710	732	736	759	845	742	703
24	D	672	591	478	694	753	690	737	914	875	780	563	413	647	716	753	670	747	791	806	813	828	694	553	593	699
25	D	507	559	611	425	600	765	895	978	844	796	789	821	821	664	620	761	774	755	753	753	767	764	783	815	734
26		807	809	818	857	812	802	747	753	753	761	761	759	759	750	745	737	737	732	733	744	753	780	780	796	770
27		775	773	768	753	758	752	751	742	732	732	741	747	751	753	753	753	749	747	732	729	737	748	753	769	750
28		816	827	834	792	773	768	741	723	618	678	713	725	708	710	734	735	734	734	732	735	741	746	747	748	742
29		747	748	742	737	737	742	748	720	720	732	730	722	722	715	695	699	719	714	722	730	763	801	856	842	742
30		805	798	763	783	781	745	729	732	686	719	654	674	710	709	654	694	678	710	747	748	748	770	776	768	732
31		784	775	774	775	751	742	742	738	739	740	740	742	742	742	742	738	736	736	742	732	732	740	758	770	748
Mean		751	752	739	737	740	745	741	724	716	710	702	701	697	704	690	709	725	735	742	751	758	764	763	759	732

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook

May 1956

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum			Minimum			Maximum			Minimum			Maximum			Minimum					
	12,000 γ +			12,000 γ +			24° E +			24° E +			58,000 γ +			58,000 γ +					
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ	
1	04	34	1161	11	51	435	726	04	42	81.5	11	42	-37.1	118.6	11	36	1028	(08 30)	(386)	(642)	
2 Q	13	55	949	10	55	791	158	06	30	35.8	07	02	12.8	23.0	05	46	765	08	03	656	109
3	01	40	946	10	56	789	157	16	03	39.8	22	56	13.0	26.8	00	58	774	10	55	606	168
4	23	57	1005	13	36	700	305	13	36	52.1	10	24	4.1	48.0	23	52	768	10	37	585	183
5	00	39	992	11	03	529	463	17	43	47.7	11	08	-1.2	48.9	21	56	776	11	56	522	254
6	22	56	973	09	38	623	350	05	33	37.6	08	26	12.8	24.8	05	21	760	09	40	469	291
7	02	00	981	12	07	809	172	14	41	38.7	12	10	8.9	29.8	03	07	777	12	07	610	167
8 Q	13	10	950	17	54	861	89	14	13	36.5	09	50	10.9	25.6	22	50	745	09	59	656	89
9 Q	02	43	945	18	39	882	63	15	01	31.1	10	13	10.1	21.0	20	51	739	08	51	704	35
10 Q	12	43	944	18	40	880	64	14	32	31.7	21	50	12.8	18.9	01	20	739	20	00	706	33
11 Q	23	56	1037	17	06	889	148	14	31	36.4	00	01	15.4	21.0	23	59	774	15	18	713	61
12	04	42	1049	14	24	354	695	15	05	67.8	11	03	-3.8	71.6	22	55	812	15	00	410	402
13	05	50	1324	08	53	-77	1401	10	24	120.1	05	04	-60.7	180.8	09	54	1092	10	48	226	866
14	22	24	997	09	52	251	746	09	46	58.6	10	05	-15.4	74.0	10	00	1016	08	59	464	552
15 D	03	08	1234	11	59	-204	1438	(11 52	142.7)	12	07	-97.4	(240.1)	10	04	1068	11	48	300	768	
16 D	01	10	1429	06	25	-441	1870	(06 46	142.6)	06	29	-144.1	(286.7)	12	41	1613	04	23	254	1359	
17 D	00	56	1494	13	37	280	1214	13	31	98.2	03	05	-102.7	200.9	08	42	1162	13	23	260	902
18	03	46	1054	08	39	347	707	08	42	39.4	08	20	-10.6	50.0	03	59	841	07	49	523	318
19	01	03	997	09	56	511	486	09	35	78.6	08	35	12.5	66.1	01	01	770	09	32	455	315
20	23	56	1169	11	32	-306	1475	11	58	126.1	11	22	-38.6	164.7	11	22	1196	12	02	506	690
21	04	00	1191	08	04	406	785	04	30	47.6	03	26	-16.4	64.0	01	45	872	06	57	485	387
22	22	34	1000	09	29	283	717	10	11	82.1	06	44	-23.6	105.7	09	44	969	06	35	320	649
23	23	23	1546	09	59	607	939	22	58	57.5	09	30	9.0	48.5	22	54	918	14	54	513	405
24 D	21	51	1576	12	06	-247	1823	11	50	(216.3)	03	00	-58.4	274.7	13	57	1040	11	17	151	889
25 D	00	27	1519	05	50	-208	1727	09	02	117.1	02	36	-27.4	144.5	06	14	1403	00	20	-74	1477
26	01	22	1384	15	22	872	512	14	58	38.5	01	20	-15.7	54.2	03	20	867	06	52	714	153
27	00	15	968	18	05	875	93	16	19	34.3	22	40	6.5	27.8	00	01	800	09	15	724	76
28	03	38	1227	08	34	766	461	03	39	39.0	01	58	3.1	35.9	02	04	854	08	30	594	260
29	22	43	1034	19	38	810	224	18	17	49.3	20	13	-0.3	49.6	22	45	873	14	35	697	176
30	03	58	1053	07	33	709	344	08	24	49.4	22	10	13.3	36.1	00	43	818	14	50	593	225
31	00	21	994	18	50	890	104	15	31	32.3	23	50	10.9	21.4	00	23	792	16	33	726	66
Mean			1133			473	660			68.0			-16.0	84.0			917			499	418
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 21 Meanook

H = 12,000 γ +

June 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	984	1070	1012	1004	1007	890	842	756	694	636	757	772	769	860	843	827	878	906	905	936	941	954	930	961	881	
2	930	918	921	938	980	937	835	882	936	933	929	936	910	915	844	927	918	907	904	900	898	907	913	922	914	
3 Q	962	943	933	919	920	919	922	922	923	925	918	911	918	925	949	935	914	921	923	916	911	914	944	906	925	
4	938	945	913	929	927	925	927	923	917	890	926	912	853	902	928	926	925	925	937	910	907	909	933	951	920	
5	941	945	925	944	925	929	933	891	899	939	933	922	905	932	941	937	909	921	913	919	922	930	943	945	927	
6	935	928	929	925	927	943	929	933	898	882	938	902	922	890	842	903	925	928	905	906	919	933	935	953	918	
7 Q	954	938	941	946	935	930	931	922	918	935	930	936	933	929	938	925	910	886	894	891	912	910	921	929	925	
8	933	963	938	907	926	912	917	914	863	808	805	902	942	938	934	903	922	917	914	887	896	946	957	922	911	
9	964	938	933	931	922	938	806	249	852	844	892	949	954	941	926	929	899	891	883	894	899	902	922	946	884	
10	985	935	932	925	916	932	929	917	918	907	880	888	922	934	930	923	891	860	871	881	883	916	923	955	915	
11	957	1016	986	1011	975	927	886	590	507	800	905	899	820	812	878	922	891	919	902	896	896	885	908	934	880	
12	982	997	983	925	934	930	919	921	858	852	880	905	897	894	911	927	934	911	910	902	903	903	926	947	919	
13	1021	969	947	942	936	910	914	905	897	894	878	781	844	879	863	886	902	905	900	887	926	919	1001	935	910	
14	989	949	997	962	926	935	919	922	891	704	832	905	797	744	824	872	916	902	895	903	908	950	935	939	896	
15 D	1007	1005	1024	1040	974	967	841	693	824	826	852	703	844	910	903	912	914	917	922	910	930	910	973	1059	911	
16	973	957	910	919	941	927	910	895	781	803	863	871	758	907	918	919	896	899	874	888	903	903	914	932	894	
17	911	911	911	927	933	917	911	911	910	916	919	926	921	911	902	884	877	903	903	918	936	917	947	942	915	
18 Q	974	980	954	904	911	913	911	915	909	911	888	907	900	891	884	884	878	872	874	869	888	914	910	928	907	
19 Q	902	903	900	899	908	917	918	908	838	910	919	921	924	938	921	899	888	869	853	860	873	880	927	892	899	
20 Q	920	939	930	931	927	914	919	916	914	910	875	915	915	915	914	893	881	864	845	862	879	918	947	985	910	
21	1017	1068	966	900	892	932	947	917	913	904	908	924	934	924	919	904	896	875	867	864	907	930	915	924	923	
22	947	1005	1045	972	969	956	947	942	907	907	896	908	915	916	903	876	876	881	880	891	900	916	911	923	925	
23	935	905	899	922	932	919	915	915	915	916	911	888	911	916	922	916	901	895	870	875	934	1066	1408	1171	948	
24 D	1078	1122	1128	1081	853	791	890	921	881	751	715	621	829	813	601	583	636	868	923	901	897	916	1033	1145	874	
25 D	1306	1428	1465	1356	947	765	123	594	846	890	763	755	887	909	905	899	837	834	869	888	891	912	924	930	913	
26	931	910	914	907	925	928	857	745	748	759	794	517	331	777	875	820	840	878	920	899	903	932	928	928	832	
27	946	921	943	1059	986	905	922	854	683	585	558	604	748	878	903	902	955	927	920	903	916	909	910	907	864	
28	908	920	923	938	926	939	925	738	602	891	934	915	861	911	943	931	938	928	911	908	908	899	899	928	897	
29	943	932	925	917	932	929	929	851	745	755	433	715	914	963	968	961	935	913	883	902	912	936	933	927	881	
30 D	927	941	914	935	986	1013	914	845	800	823	797	723	727	869	795	791	876	922	924	903	894	936	951	986	883	
31																										
Mean	970	977	968	960	937	920	880	840	840	847	848	844	857	895	891	891	892	898	896	896	906	922	951	955	903	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Meanook

D = 24°E +...'

June 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	12.4	12.9	13.9	19.3	19.8	15.8	10.9	13.9	22.7	19.9	21.7	17.8	24.7	34.5	36.5	33.0	25.7	27.1	22.4	25.0	21.7	19.8	16.8	17.7	21.1	
2	17.7	16.8	17.8	18.3	30.5	30.9	29.7	25.2	21.8	18.8	18.8	25.1	23.7	26.1	26.7	29.6	27.6	22.7	16.9	18.8	18.9	17.5	15.9	14.0	22.1	
3 Q	16.9	20.7	22.9	19.5	17.3	18.8	21.2	23.2	20.4	18.5	18.8	19.8	25.2	29.7	31.1	27.6	30.5	24.6	23.8	21.7	18.0	16.7	16.9	16.0	21.7	
4	18.1	19.9	20.7	20.7	20.3	17.7	16.4	18.9	22.8	19.7	20.2	20.3	24.6	27.5	31.5	30.5	28.1	24.7	18.9	16.9	12.9	12.4	14.4	16.7	20.6	
5	17.3	20.3	19.7	20.7	18.8	19.8	23.2	25.7	19.9	20.3	20.4	18.7	22.7	32.5	33.0	32.0	27.0	24.8	20.0	12.4	12.9	12.0	11.9	13.9	20.8	
6	16.7	19.8	19.8	18.9	18.8	18.8	18.8	18.8	22.7	10.1	18.8	19.7	26.6	25.7	29.1	28.1	26.7	24.7	21.7	17.9	13.9	14.8	14.9	19.3	20.2	
7 Q	22.7	21.8	22.6	20.3	19.3	18.8	18.8	19.8	25.2	23.8	18.4	20.3	25.6	28.6	20.7	22.2	28.6	28.1	19.8	16.3	16.5	12.4	12.8	15.9	20.8	
8	19.8	23.8	24.7	20.5	21.7	27.7	18.7	18.8	24.7	13.6	22.2	24.7	28.7	33.6	34.0	33.0	30.5	25.7	23.2	22.3	13.9	20.3	23.2	18.7	23.7	
9	18.8	19.8	19.7	23.8	19.8	22.7	23.7	14.0	18.2	20.3	22.2	24.6	27.1	22.8	34.0	33.5	30.5	22.7	20.4	19.8	10.9	11.0	13.4	16.7	20.1	
10	16.9	16.7	15.9	16.3	18.7	16.8	16.8	17.7	20.8	18.3	20.7	23.7	28.1	28.6	35.5	35.9	35.0	25.2	19.9	14.9	10.5	11.1	07.4	10.0	20.1	
11	09.5	15.0	13.9	14.0	10.9	10.9	15.4	03.1	00.1	22.7	22.7	24.6	22.7	26.7	36.5	37.6	38.4	36.4	34.4	22.2	19.7	16.9	15.8	14.0	20.2	
12	20.8	19.7	20.4	16.8	17.9	17.8	25.0	17.8	15.9	15.9	21.7	22.7	25.7	25.7	28.6	32.4	33.6	35.0	31.5	23.2	19.3	15.0	14.8	14.4	22.2	
13	15.9	13.0	15.0	18.1	24.6	17.3	18.3	18.9	18.8	17.7	19.8	09.0	20.7	29.1	26.6	33.5	32.7	28.7	28.7	18.3	16.9	16.8	16.3	15.0	20.4	
14	12.4	12.4	15.8	14.4	14.1	18.1	25.3	20.0	13.9	14.1	16.9	21.6	23.7	18.3	19.8	26.0	31.4	34.0	29.6	20.3	16.7	15.1	12.4	13.9	19.2	
15 D	14.5	19.7	18.8	14.9	20.7	15.8	17.7	10.9	20.8	24.3	15.9	13.9	20.7	27.1	33.0	32.5	28.6	31.5	29.8	23.7	20.3	15.8	15.9	20.7	21.2	
16	18.7	14.9	15.9	15.9	20.6	25.5	18.8	14.3	13.8	13.0	19.7	21.7	14.9	26.6	30.0	29.6	33.0	32.9	31.7	20.3	17.6	14.5	13.6	16.8	20.6	
17	15.0	16.0	17.8	22.4	22.5	22.7	18.6	17.3	17.4	18.8	18.9	18.9	24.2	24.6	30.6	32.7	31.9	30.5	21.7	18.9	23.7	20.0	17.4	15.9	21.6	
18 Q	13.4	17.5	17.3	16.8	15.4	16.8	19.0	16.7	15.9	15.9	12.9	17.3	21.6	24.8	28.2	29.8	30.0	27.7	21.2	17.3	16.2	14.9	14.0	12.9	18.9	
19 Q	15.6	15.9	16.9	17.9	18.0	17.3	16.9	15.4	10.1	18.3	19.8	20.3	22.1	27.7	28.6	30.6	31.0	29.1	22.5	19.1	13.2	10.9	10.5	13.0	19.2	
20 Q	16.2	16.7	17.4	17.8	16.9	16.0	15.9	19.3	16.1	17.6	15.2	13.3	26.0	30.3	31.0	31.2	25.3	24.7	21.7	18.8	16.5	13.9	10.9	10.9	19.2	
21	14.3	15.9	15.8	16.3	15.9	15.8	13.9	15.9	16.0	16.0	18.3	22.7	25.8	28.5	29.1	31.5	33.3	30.5	23.7	16.7	14.6	12.0	08.8	09.5	19.2	
22	11.9	12.6	10.5	15.8	17.0	14.3	15.1	17.9	15.9	16.8	17.7	21.3	23.0	27.5	31.2	32.5	31.0	28.9	25.7	18.2	12.4	10.3	09.1	10.0	18.6	
23	12.9	15.7	16.1	16.8	17.9	16.8	18.8	16.8	16.0	16.0	13.0	20.4	26.1	30.1	32.4	35.0	30.9	33.5	26.8	14.8	28.0	33.7	26.9	22.2		
24 D	06.5	17.6	07.5	14.9	04.2	17.3	18.1	14.0	15.3	11.7	17.7	04.6	20.8	28.2	20.0	30.6	28.3	21.8	23.8	16.9	20.3	17.7	20.0	16.8	16.9	
25 D	26.2	12.9	01.3	19.0	02.6	14.2	17.8	29.7	14.1	18.0	16.8	13.5	21.7	29.7	37.0	37.4	33.8	28.8	24.6	14.7	14.9	16.9	17.5	18.0	18.4	
26	18.4	19.3	20.7	21.5	22.0	21.4	26.1	33.0	24.7	23.8	18.6	19.3	40.3	28.9	31.5	35.0	36.6	32.6	22.7	16.0	12.8	12.7	13.9	16.9	23.7	
27	18.3	17.4	17.5	32.5	31.4	12.9	15.4	16.0	18.1	37.4	26.8	19.3	24.8	28.1	29.8	36.7	31.6	27.0	25.4	17.0	13.2	14.3	12.9	13.8	22.4	
28	16.5	18.3	19.6	20.5	21.9	20.3	22.3	11.9	15.9	22.9	18.9	17.9	22.7	29.6	31.1	31.4	30.9	26.8	22.6	15.7	13.0	10.4	09.8	11.9	20.1	
29	16.3	17.8	20.3	20.2	20.4	24.0	22.6	23.3	28.7	20.8	01.6	16.0	25.0	31.5	35.9	34.9	30.6	28.6	28.3	19.3	14.2	12.8	11.0	13.9	21.6	
30 D	17.0	19.4	18.6	17.8	20.7	19.1	24.1	14.9	16.6	18.8	16.3	24.3	24.7	27.6	25.6	28.1	25.7	25.1	25.4	22.5	17.4	18.3	15.2	18.7	20.9	
31																										
Mean	16.2	17.3	17.1	17.5	18.4	18.7	19.4	17.2	18.1	18.8	18.5	19.0	24.3	27.9	30.2	31.7	30.8	28.1	24.5	19.1	15.9	15.2	14.7	15.4	20.6	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 23 Meanook

Z = 58,000 γ +

June 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	796	861	840	799	806	682	768	781	769	764	740	747	682	694	683	672	706	737	737	753	753	756	747	773	752	
2	767	760	742	747	768	708	640	642	727	726	721	732	683	688	618	695	725	725	713	711	712	729	732	732	714	
3 Q	758	764	778	745	737	736	736	730	729	725	702	695	714	715	737	732	720	715	716	725	721	729	748	736	731	
4	751	751	746	745	746	732	726	714	697	624	695	712	627	643	680	716	720	719	715	721	732	736	737	744	714	
5	738	740	732	740	734	742	737	640	637	701	713	710	678	705	721	722	710	715	713	708	713	719	732	734	714	
6	732	730	727	723	723	727	727	726	639	613	678	629	678	656	588	660	672	705	722	726	739	749	748	747	698	
7 Q	753	742	739	739	734	732	732	721	714	721	715	712	718	709	721	732	726	726	732	730	736	742	742	742	730	
8	752	775	786	753	753	751	736	720	693	613	602	682	732	742	737	705	706	724	721	721	738	759	796	796	729	
9	786	736	735	753	742	742	630	753	683	630	624	708	748	732	715	718	718	710	714	721	746	751	769	783	723	
10	796	765	760	760	754	745	741	726	699	662	640	669	699	732	733	732	720	720	710	719	732	747	763	802	730	
11	794	789	783	788	775	749	739	553	442	618	697	706	651	629	681	753	736	725	710	725	748	754	755	768	711	
12	790	784	786	774	780	775	753	753	679	684	704	727	726	725	737	747	747	736	736	726	727	735	758	786	745	
13	815	775	776	774	742	730	738	705	704	699	684	599	640	656	678	725	737	732	735	736	744	778	829	814	731	
14	798	790	813	795	780	769	705	694	688	549	550	674	642	645	672	709	739	742	736	738	749	760	763	774	720	
15 D	800	795	780	813	706	748	722	613	645	676	688	586	710	742	742	759	744	748	758	753	754	756	788	829	736	
16	790	753	732	737	773	762	751	719	618	617	678	694	613	721	737	733	726	729	746	741	758	748	742	765	724	
17	748	740	736	749	747	746	732	722	726	726	734	738	740	735	725	719	710	730	738	726	750	768	784	766	739	
18 Q	769	779	762	741	738	740	734	730	721	719	688	710	722	721	723	729	728	726	736	732	739	750	751	753	735	
19 Q	741	732	728	725	725	725	726	720	639	698	719	723	720	725	724	720	715	709	708	708	710	716	742	752	719	
20 Q	758	746	734	735	730	721	721	726	710	707	656	690	710	710	708	707	708	702	699	700	702	722	744	777	718	
21	827	833	779	729	714	732	700	716	722	710	714	725	732	725	719	709	714	712	711	709	720	762	764	752	735	
22	759	794	833	793	783	772	763	752	721	711	706	719	730	732	725	709	705	712	723	728	733	744	750	749	744	
23	755	740	730	734	747	735	723	721	721	722	713	669	704	720	745	732	725	724	713	734	780	875	813	727	738	
24 D	824	753	791	747	694	718	730	734	726	684	577	564	598	597	452	511	565	705	742	740	758	815	894	886	700	
25 D	843	708	669	432	747	726	858	834	756	718	706	723	758	764	742	754	708	709	740	747	747	751	769	767	736	
26	764	747	752	760	762	756	662	534	560	655	674	770	643	575	678	674	687	713	740	740	746	755	770	789	704	
27	779	749	756	812	734	729	750	748	737	667	613	647	643	700	721	720	740	718	723	725	734	732	741	740	723	
28	735	750	750	775	758	742	739	570	597	647	718	719	658	698	737	737	745	734	727	729	729	732	733	742	717	
29	756	759	763	750	753	758	740	768	467	575	608	700	672	732	750	740	730	729	732	761	751	764	756	753	720	
30 D	754	756	744	740	772	694	709	670	612	544	511	558	580	627	626	630	685	735	741	753	756	778	790	783	690	
31																										
Mean	774	763	759	747	749	738	729	704	673	670	672	688	685	696	698	710	714	722	726	730	739	754	765	769	724	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook

June 1956

Day	Horizontal Intensity						Declination						Vertical Intensity									
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +			Maximum 58,000 γ +			Minimum 58,000 γ +			Range			
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ	
1 D	03	28	1160	09	05	507	653	09	40	58.8	05	45	-25.0	83.8	01	41	882	05	16	571	311	
2	04	34	1019	06	58	670	349	05	40	41.2	23	30	13.8	27.4	00	16	781	06	54	509	272	
3 Q	00	19	994	23	12	889	105	13	48	35.8	00	02	14.1	21.7	02	25	788	10	57	671	117	
4	23	28	976	12	48	793	183	15	03	34.6	21	50	11.1	23.5	01	31	760	12	43	561	199	
5	01	05	968	08	04	860	108	15	02	37.8	21	14	9.4	28.4	01	04	750	07	50	540	210	
6	23	20	964	14	28	772	192	15	52	37.7	09	15	3.5	34.2	21	38	759	14	31	500	259	
7 Q	00	11	974	17	34	866	108	15	42	35.3	21	22	10.4	24.9	00	09	760	08	31	699	61	
8	02	00	1001	09	56	504	497	14	24	43.3	09	45	4.1	39.2	02	01	813	09	58	388	425	
9	05	45	1006	07	20	106	900	07	40	56.2	07	15	-53.3	109.5	07	25	976	07	12	408	568	
10	00	22	1065	16	57	829	236	16	30	40.3	22	50	5.1	35.2	00	22	837	10	05	618	219	
11	03	46	1126	08	40	416	710	17	44	42.3	07	22	-43.5	85.8	04	49	831	08	34	384	447	
12	00	55	1042	08	45	778	264	06	10	41.3	09	00	6.0	35.3	00	34	814	08	45	648	166	
13	00	48	1046	11	26	763	283	04	32	38.2	11	40	6.1	32.1	23	05	846	11	16	570	276	
14	00	23	1059	09	27	620	439	06	56	39.0	09	16	-0.7	39.7	02	22	836	10	32	472	364	
15 D	04	06	1228	06	55	194	1034	06	45	43.1	06	54	-40.4	83.5	23	24	867	07	25	459	408	
16	00	01	1019	12	25	681	338	17	44	37.5	08	45	5.7	31.8	00	01	824	08	33	532	292	
17	22	30	963	16	11	856	107	15	58	35.8	00	16	13.6	22.2	22	58	790	16	10	704	86	
18 Q	01	17	1015	18	25	861	154	15	34	32.5	10	26	10.9	21.6	01	08	814	10	24	675	139	
19 Q	23	00	962	08	40	798	164	15	55	33.4	08	25	5.1	28.3	23	02	768	08	40	587	181	
20 Q	23	57	1008	18	33	841	167	13	30	34.1	22	30	9.0	25.1	23	57	809	10	45	610	199	
21	01	27	1084	17	41	849	235	16	15	35.5	06	50	0.1	35.4	01	16	866	06	40	587	279	
22	02	00	1077	16	14	862	215	15	20	39.3	02	12	6.0	33.3	02	30	854	16	15	693	161	
23	22	50	1568	18	40	825	743	22	42	52.0	23	52	7.9	44.1	21	47	936	23	04	633	303	
24 D	23	53	1325	11	04	431	894	15	48	62.9	04	36	-42.0	104.9	22	36	941	14	21	395	546	
25 D	06	32	1532	02	56	-165	1697	06	54	50.1	03	50	-51.2	101.3	06	40	1034	03	50	214	820	
26	21	34	991	12	30	18	973	12	20	94.3	11	19	-0.7	95.0	11	18	908	07	50	403	505	
27	03	41	1143	10	05	286	857	09	53	65.6	11	44	-4.7	70.3	03	34	866	10	00	489	377	
28	03	06	972	08	05	251	721	09	04	34.5	08	01	-52.8	87.3	05	07	786	07	48	381	405	
29	15	02	991	10	51	-24	1015	09	01	59.2	10	39	-38.1	97.3	11	05	807	08	09	336	471	
30 D	05	13	1090	11	54	106	984	11	50	52.0	08	59	3.7	48.3	23	33	812	11	51	297	515	
31																						
Mean			1079			568	511			44.8			-6.9	51.7			837			518	319	
No. days			30			30	30			30			30	30			30			30	30	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 25 Meanook

H = 12,000 γ +

July 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	943	935	911	917	922	919	917	831	802	893	925	917	916	909	818	861	934	907	904	888	903	901	927	940	902	
2	916	932	927	920	930	915	927	851	772	695	880	913	914	838	842	892	918	919	900	905	895	909	885	919	888	
3	935	950	979	964	934	947	916	665	795	791	697	694	727	917	932	930	948	935	916	910	904	899	902	916	879	
4	911	912	923	936	935	920	839	864	776	861	925	920	925	925	928	925	910	895	878	871	885	896	911	921	900	
5	935	935	925	917	917	918	916	918	907	910	905	873	885	916	943	943	911	914	909	904	924	942	913	932	917	
6	929	926	925	942	921	914	914	911	917	927	925	922	916	935	940	929	907	894	893	901	894	896	905	912	916	
7 Q	925	928	927	925	920	917	915	917	922	925	931	935	938	935	926	915	911	911	910	916	925	930	927	925	923	
8	928	1003	944	972	979	1002	966	937	943	917	955	934	948	954	948	938	918	896	886	893	901	893	910	996	940	
9	989	962	943	923	993	940	916	891	646	851	918	899	853	911	920	917	902	903	908	917	905	908	921	917	906	
10	903	913	916	907	920	913	917	917	921	914	914	917	926	920	920	922	913	903	873	888	898	932	932	959	915	
11	972	978	1013	1005	950	920	916	838	892	913	908	903	901	902	935	917	904	911	916	896	872	905	881	907	919	
12	928	926	925	936	955	977	933	854	874	896	909	913	900	888	907	915	914	914	902	893	881	880	889	953	911	
13 D	987	987	986	940	911	917	912	900	892	815	825	878	911	918	938	881	854	853	880	937	1035	1042	1043	1098	931	
14	1192	1017	959	889	911	911	909	889	895	904	902	911	900	903	896	886	870	891	890	885	887	908	926	917	919	
15	914	917	913	912	914	925	911	908	910	903	914	924	909	917	908	925	904	897	885	878	893	907	912	932	910	
16	932	916	975	960	919	926	911	916	909	910	903	914	912	921	914	891	885	879	865	866	886	893	891	900	908	
17 Q	909	918	920	921	926	927	915	918	921	921	911	931	926	929	924	914	904	897	885	884	892	907	911	938	915	
18 Q	934	932	912	920	917	914	919	919	922	921	921	920	919	909	904	899	890	876	870	896	915	932	950	925	914	
19	925	925	932	893	908	918	926	925	922	919	920	926	932	917	909	914	886	872	893	907	896	932	958	984	918	
20	1019	956	957	966	939	923	934	910	914	887	885	885	864	894	885	887	884	861	871	870	882	885	926	929	909	
21 Q	901	911	915	904	908	905	909	911	911	911	911	908	904	893	899	910	895	889	901	920	915	918	925	925	908	
22 Q	934	953	947	943	937	935	937	940	940	940	934	931	934	942	943	935	921	914	878	873	881	885	897	909	924	
23	927	947	955	923	925	925	925	932	932	929	929	932	931	926	922	908	912	888	889	943	957	983	1080	1086	942	
24 D	919	893	889	893	855	860	769	748	763	656	769	925	954	947	962	935	934	938	919	917	908	901	896	926	878	
25 D	901	920	960	958	933	943	652	831	739	558	085	262	434	428	609	869	932	939	904	896	925	935	975	1080	778	
26 D	1076	967	947	964	1036	951	969	770	112	442	625	395	652	761	856	873	827	860	866	917	927	947	975	1029	823	
27	1069	1010	998	954	955	866	614	624	793	830	830	809	874	889	924	922	934	933	932	917	914	911	962	959	893	
28 D	955	985	971	940	917	916	928	923	720	792	481	902	924	880	824	920	917	888	895	898	906	964	963	970	891	
29	933	908	916	905	920	915	916	854	599	888	931	926	916	863	837	856	835	916	927	921	931	904	903	907	889	
30	924	942	981	942	923	921	927	906	851	731	844	893	902	934	929	920	895	900	903	906	908	912	915	914	905	
31	913	914	924	913	918	920	917	890	916	924	925	855	692	799	856	851	926	916	912	910	907	912	933	929	895	
Mean	951	943	942	932	931	923	897	871	830	848	846	863	875	888	897	906	903	900	895	901	908	918	930	950	902	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Meanook

D = 24° E+ ...'

July 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	17.0	17.7	18.3	20.2	20.3	21.5	20.7	19.0	20.7	21.8	21.3	20.7	25.6	28.4	26.7	26.1	30.5	26.2	21.4	17.4	14.0	15.8	16.0	17.1	21.0
2	17.3	17.9	16.8	17.8	18.4	18.5	27.8	33.5	25.7	25.1	21.8	22.3	25.7	23.9	27.8	30.5	31.8	30.8	23.9	18.9	18.1	15.9	12.9	16.0	22.5
3	16.3	16.4	16.9	20.0	20.2	18.0	27.4	09.2	19.8	23.6	24.6	13.7	16.7	28.6	27.1	28.6	28.1	26.3	21.9	19.9	18.0	13.8	11.5	14.2	20.0
4	14.6	15.6	17.7	17.5	22.5	29.7	15.7	18.7	21.4	16.9	20.1	21.3	25.1	27.6	30.5	29.2	27.9	26.0	19.9	14.9	12.2	13.5	14.0	15.4	20.3
5	17.5	19.3	18.8	18.3	17.2	16.8	17.8	20.3	19.4	19.9	17.9	16.8	19.0	31.0	32.1	31.5	27.6	25.7	20.6	19.4	16.8	17.3	15.4	17.7	20.6
6	18.3	20.6	21.5	21.6	19.0	22.7	20.1	23.8	18.7	16.8	17.8	19.3	25.7	29.8	30.9	30.5	28.6	25.9	20.5	15.0	15.4	12.9	14.3	16.8	21.1
7 Q	18.6	20.3	21.1	20.5	19.9	20.3	19.5	19.8	19.8	19.8	19.6	19.8	21.2	24.4	28.8	31.1	30.2	26.2	19.3	16.5	14.4	14.5	16.0	17.6	20.8
8	19.4	19.8	20.9	20.5	20.0	27.5	21.7	21.7	19.6	18.0	19.4	20.7	19.7	33.3	32.2	30.5	28.8	27.3	22.7	19.7	14.2	09.1	06.1	06.9	20.8
9	13.3	13.9	15.1	15.9	14.7	22.8	15.9	17.0	03.5	26.4	19.9	21.0	19.0	30.0	33.6	33.5	32.2	27.7	22.9	19.5	14.4	10.7	10.9	14.8	19.5
10	16.1	17.8	20.7	20.7	18.9	19.8	18.8	16.9	19.1	17.4	18.2	21.0	22.8	26.2	30.3	31.8	35.3	29.8	40.0	21.3	16.5	10.2	05.3	04.1	20.8
11	10.5	07.2	12.4	15.0	19.0	18.2	21.4	15.7	16.0	19.5	20.3	19.9	20.9	27.6	32.5	37.9	39.4	34.4	27.9	23.4	13.7	12.2	11.1	11.9	20.3
12	14.0	16.3	18.1	18.8	17.6	21.6	19.9	14.1	16.6	17.9	18.5	20.1	21.7	22.6	26.8	27.4	27.8	27.1	22.7	18.7	14.1	10.9	09.8	10.1	18.9
13 D	13.4	16.8	17.0	17.5	19.9	20.1	20.7	22.8	20.6	16.1	17.9	19.8	32.2	33.6	35.0	35.3	39.3	38.2	36.6	29.4	25.1	23.7	20.8	16.6	24.5
14	14.6	11.3	15.9	15.8	18.1	19.0	21.7	14.1	11.9	14.0	15.9	17.9	20.8	26.6	28.9	30.5	31.8	27.7	21.4	20.7	18.3	15.2	13.4	12.2	19.1
15	13.1	15.4	17.8	15.7	16.9	23.8	15.8	16.9	16.4	16.3	19.5	10.9	23.8	27.2	29.0	28.9	31.1	26.9	26.7	17.3	09.0	09.9	13.5	17.8	19.2
16	20.7	20.6	22.7	19.7	18.5	21.8	21.7	18.8	17.7	17.5	18.5	23.5	27.6	32.0	30.5	30.5	29.8	26.6	21.9	18.8	15.4	15.8	14.5	17.0	21.8
17 Q	17.4	17.1	17.9	19.0	22.6	20.0	17.5	16.1	16.0	15.9	20.7	24.3	27.6	30.5	31.5	30.6	30.5	27.6	20.7	17.6	13.9	11.5	10.1	12.1	20.4
18 Q	14.8	15.8	17.6	17.8	17.8	17.8	18.1	18.8	18.6	18.9	20.7	23.2	26.5	29.7	34.5	38.3	35.8	29.1	21.0	13.7	10.6	10.9	11.2	13.9	20.6
19	14.1	12.8	14.9	15.9	14.5	13.4	16.4	14.9	15.1	18.3	19.8	22.5	25.7	31.9	34.4	33.1	36.3	23.6	08.8	11.9	09.3	08.1	10.0	11.8	18.2
20	14.9	15.3	12.8	16.0	16.1	15.1	19.1	17.7	15.0	14.0	17.8	22.7	25.5	34.3	34.8	29.2	31.6	30.7	20.5	14.2	09.4	05.6	08.8	10.9	18.8
21 Q	14.7	15.9	18.8	18.1	17.4	17.9	17.8	18.0	17.9	18.8	19.2	20.3	23.1	26.9	31.4	32.6	35.5	31.7	27.3	20.8	15.4	13.3	14.4	15.4	20.9
22 Q	17.3	17.8	20.5	20.3	21.2	20.4	21.9	23.0	23.3	22.5	20.7	23.2	26.2	28.6	19.8	32.1	34.0	28.1	17.7	15.9	13.9	13.1	13.8	14.4	21.2
23	14.2	13.1	14.3	15.1	14.0	15.7	16.5	17.9	18.8	20.7	21.1	25.7	29.6	35.5	39.3	35.5	39.4	39.6	13.4	08.7	11.1	09.4	15.0	19.1	21.0
24 D	15.3	15.2	15.2	14.1	14.5	12.6	25.8	21.2	17.1	16.3	20.8	20.9	25.7	33.5	34.5	33.6	32.2	27.1	21.8	16.9	13.9	13.6	13.5	14.5	20.4
25 D	16.3	19.1	22.7	31.5	25.2	17.4	22.6	22.8	16.4	15.8	16.0	37.7	46.8	52.4	47.1	41.4	33.0	27.8	18.5	18.3	14.0	18.6	21.9	23.5	26.1
26 D	26.6	23.6	19.5	19.6	24.6	17.9	14.7	01.3	12.5	68.6	18.9	31.2	37.4	29.4	27.6	25.7	24.9	23.2	07.8	12.7	15.6	16.8	22.5	21.6	21.6
27	20.6	23.5	19.8	19.1	24.7	20.0	20.6	11.6	03.5	29.9	28.3	17.8	22.3	25.9	33.6	35.6	35.5	32.4	29.0	27.6	20.7	17.6	22.4	19.7	23.1
28 D	20.2	19.3	20.7	30.1	16.8	16.3	16.8	19.4	27.3	23.1	43.1	23.7	23.2	28.8	28.2	27.9	27.6	23.6	18.4	18.8	13.1	19.3	18.6	19.9	22.7
29	18.4	16.8	16.0	15.9	17.0	18.3	39.4	19.4	31.0	18.8	19.5	23.7	25.0	23.8	23.7	23.0	23.3	22.7	18.5	20.7	15.9	18.3	17.7	18.4	21.0
30	18.0	18.1	29.9	22.0	15.8	16.0	18.2	25.0	30.7	27.7	20.0	23.8	24.4	31.1	30.3	30.2	25.5	21.7	18.8	13.9	14.8	15.9	15.9	18.8	21.9
31	20.3	19.8	20.0	18.8	18.3	18.8	29.6	26.5	26.9	20.2	19.3	18.3	28.7	39.9	33.1	36.5	31.4	23.8	19.1	20.3	18.2	17.5	16.7	17.3	23.3
Mean	16.7	17.1	18.5	19.0	18.8	19.4	20.7	18.6	17.6	21.2	20.6	21.5	25.3	30.2	31.2	31.6	31.5	27.9	21.7	18.2	14.8	13.9	14.1	15.4	21.0

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook

Z = 58,000 γ +

July 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	746	750	745	752	747	740	737	615	603	642	712	732	729	722	644	650	716	721	720	725	734	730	751	763	714
2	764	758	737	732	734	737	672	(537	544)	587	643	707	720	654	642	673	723	724	726	733	730	741	738	756	696
3	766	783	796	809	768	756	704	(556)	646	597	646	619	(572)	676	718	729	746	740	733	724	726	734	737	747	710
4	746	740	740	739	767	724	654	646	603	664	719	726	732	626	625	624	623	621	624	620	625	625	730	736	678
5	735	736	728	725	725	726	723	715	666	662	696	642	655	697	716	624	718	718	711	709	624	741	739	746	703
6	747	742	735	738	728	736	729	691	681	713	718	719	719	723	718	710	706	707	706	715	716	719	723	732	720
7 Q	734	729	726	724	721	721	719	719	718	719	719	721	716	710	705	694	699	709	709	706	710	720	732	741	718
8	741	772	769	768	787	783	761	742	736	670	722	734	737	730	727	720	710	707	700	707	719	723	728	763	736
9	781	791	778	739	772	749	725	698	715	684	698	704	643	707	718	714	715	718	718	724	721	721	724	728	724
10	725	726	728	722	719	714	713	713	709	709	708	712	713	708	708	709	710	710	704	710	720	733	745	774	718
11	778	778	794	720	756	747	698	571	644	707	712	709	706	707	730	719	713	709	707	698	699	716	712	719	714
12	730	723	719	724	747	764	737	630	636	655	681	708	706	687	704	713	713	711	718	724	728	723	715	740	710
13 D	768	789	801	760	721	715	716	709	700	611	596	613	698	711	734	704	694	693	725	821	845	840	832	826	734
14	781	775	788	761	751	742	714	718	719	722	726	732	729	728	730	736	722	723	724	723	733	756	758	742	739
15	739	745	744	729	733	698	720	720	713	687	707	719	714	715	709	724	728	722	720	721	715	724	738	752	722
16	755	750	763	754	748	750	680	725	721	716	713	726	729	727	728	723	724	730	726	724	719	723	726	735	730
17 Q	734	735	735	734	737	723	727	723	721	714	669	704	720	725	724	718	719	716	715	713	713	723	725	728	721
18 Q	728	732	726	729	722	719	715	715	715	715	715	714	706	696	692	694	697	707	709	725	737	739	732	716	
19	730	741	766	755	724	708	714	713	714	688	713	718	723	715	705	705	696	690	683	681	686	702	720	754	714
20	832	779	767	778	758	737	721	709	711	683	676	675	668	692	691	709	713	715	718	718	723	728	730	732	724
21 Q	720	719	720	706	705	701	699	698	699	700	700	700	698	694	701	712	709	707	697	701	696	696	699	697	703
22 Q	701	720	729	723	714	706	705	696	699	699	701	697	699	706	704	697	693	692	691	687	690	698	706	708	702
23	701	705	713	711	700	700	699	699	698	696	686	699	691	691	672	668	667	664	674	692	736	832	848	706	
24 D	756	725	713	710	705	694	549	601	810	921	837	730	727	737	730	722	713	709	706	702	707	707	712	727	723
25 D	722	729	758	779	750	726	494	610	674	707	733	560	675	579	716	688	693	694	702	712	737	762	793	843	702
26 D	882	758	735	775	746	699	701	665	(303)	694	539	531	681	662	668	660	643	685	706	730	745	756	812	822	692
27	816	810	801	857	747	707	532	626	575	577	598	668	695	685	723	733	730	719	718	716	735	722	756	780	709
28 D	793	779	768	735	726	726	736	729	708	599	606	638	714	670	597	684	709	710	730	732	752	773	782	810	717
29	761	740	730	723	728	735	602	514	544	671	727	732	726	683	653	673	674	711	710	729	730	728	733	734	696
30	735	748	779	740	726	723	724	702	643	591	653	672	686	725	729	723	715	714	718	721	726	741	746	740	713
31	734	729	732	727	727	730	733	642	697	724	720	638	457	499	636	671	715	745	773	725	721	724	734	735	694
Mean	754	750	750	744	737	727	692	669	667	682	690	687	694	690	697	698	705	708	710	714	718	729	744	754	713

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook

July 1956

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +			Maximum 58,000 γ +			Minimum 58,000 γ +					
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ			
1	23	55	997	08	35	748	249	07	38	32.5	07	15	10.2	22.3	23	55	791	07	46	531	260
2	06	34	998	09	15	521	477	07	14	44.5	09	13	10.1	34.4	00	01	780	(08 10)	(471)	(309)	
3	02	48	1037	06	22	360	677	07	00	37.5	07	16	-18.8	56.3	03	03	845	12	09	489	356
4	05	05	954	08	26	627	327	05	39	37.6	08	25	3.6	34.0	04	34	790	08	25	525	265
5	21	36	957	11	30	824	133	13	30	34.4	11	28	11.4	23.0	23	55	755	11	37	588	167
6	03	25	960	20	09	885	75	14	17	32.9	21	05	12.2	20.7	00	01	753	08	07	648	105
7 Q	12	13	943	18	21	898	45	15	47	33.4	20	36	13.0	20.4	23	35	747	15	24	691	56
8	23	19	1059	09	45	863	196	05	34	36.2	23	14	1.2	35.0	05	02	813	09	45	573	240
9	00	32	1060	08	31	479	581	09	20	36.5	08	30	-15.6	52.1	00	33	816	09	26	535	281
10	23	58	1022	18	50	826	196	18	50	52.6	23	07	1.2	51.4	23	55	814	18	25	688	126
11	02	57	1163	07	49	891	272	16	25	44.0	03	12	3.0	41.0	02	57	838	07	51	498	340
12	05	03	1118	07	47	817	301	05	25	30.5	23	18	8.0	22.5	05	58	804	07	49	575	229
13 D	23	29	1130	09	14	723	407	16	35	47.9	09	17	7.0	40.9	21	15	983	11	09	559	424
14	00	20	1348	16	16	855	493	15	58	34.5	00	51	6.9	27.6	00	16	828	06	50	683	145
15	00	34	950	19	40	872	78	05	25	35.1	20	08	7.2	27.9	23	55	760	09	48	658	102
16	02	38	997	18	43	857	140	06	02	36.4	21	29	13.9	22.5	02	29	775	06	19	681	94
17 Q	23	57	946	19	27	878	68	14	15	32.9	21	55	10.0	22.9	04	20	748	10	25	655	93
18 Q	22	33	964	17	52	857	107	15	36	39.3	20	35	9.8	29.5	21	54	746	14	55	687	59
19	23	12	1034	17	25	853	178	16	27	40.3	18	15	5.2	35.1	23	56	781	19	50	671	110
20	00	26	1061	17	46	850	211	14	25	37.4	21	17	3.1	34.3	00	18	869	09	31	656	213
21 Q	00	03	932	13	53	882	50	16	43	36.6	22	00	11.7	24.9	00	01	737	13	51	688	49
22 Q	01	20	963	19	45	866	97	16	51	35.9	21	00	12.4	23.5	02	31	733	19	05	684	49
23	23	07	1154	18	16	851	303	16	49	46.1	19	05	3.7	42.4	23	00	875	18	16	647	228
24 D	12	40	1013	09	52	431	582	09	18	47.8	09	53	-19.4	67.2	09	29	1116	06	33	437	679
25 D	23	55	1181	10	24	-150	1331	12	37	117.8	10	21	-70.1	187.9	10	36	986	11	04	350	636
26 D	00	02	1146	08	45	-100	1246	09	33	94.3	08	55	-77.8	172.1	09	09	952	(08 15)	(-40)	(992)	
27	03	15	1114	06	48	377	737	07	24	56.1	08	24	-28.7	84.8	07	19	874	06	26	320	554
28 D	01	08	1043	10	37	197	845	10	45	83.4	10	29	-5.9	89.3	10	29	857	10	49	441	416
29	00	01	1019	08	33	300	719	06	40	70.7	07	58	9.9	60.8	00	01	812	06	49	357	455
30	02	12	1004	09	16	674	330	08	10	50.2	09	55	6.9	43.3	02	33	813	09	14	517	296
31	23	37	965	12	40	634	331	13	00	47.1	11	23	13.0	34.1	06	24	754	13	03	412	342
Mean			1040			660	380			46.5			-1.4	47.9			824			544	280
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 29 Meanook

H = 12,000 γ +

August 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	956	993	990	931	916	911	913	915	914	916	904	880	910	879	899	921	915	902	906	924	922	924	915	945	921
2	916	919	917	931	925	918	919	920	913	800	866	862	847	894	924	903	890	886	893	897	920	921	927	936	902
3	917	914	915	915	916	917	931	919	895	917	901	901	892	888	887	912	898	887	888	890	895	902	934	929	907
4 Q	916	929	911	911	925	919	920	925	924	924	928	931	929	928	924	910	902	893	879	880	892	917	924	954	916
5 Q	956	934	913	923	923	924	917	927	927	928	930	933	939	946	942	931	915	895	891	895	908	917	923	923	923
6	924	922	926	928	931	931	931	931	934	938	937	938	945	950	934	925	918	895	880	880	880	895	911	921	921
7 Q	931	938	938	942	939	927	921	920	923	924	926	929	933	936	929	909	873	842	840	847	870	888	906	919	910
8	952	933	946	928	928	930	945	955	946	966	966	938	942	938	910	877	845	833	849	864	888	942	941	948	921
9	954	949	933	939	963	919	929	936	927	928	864	465	559	784	839	899	855	873	942	939	948	931	967	985	884
10	934	931	933	966	974	934	916	908	931	930	931	933	940	934	927	937	928	910	896	897	902	918	946	933	929
11 D	942	949	941	975	992	1070	1055	987	964	872	678	872	910	898	863	853	866	810	857	903	924	1014	982	995	924
12	1001	971	974	984	933	963	1100	982	900	888	656	805	849	744	770	892	891	857	852	900	931	929	902	911	899
13	915	900	899	907	905	908	910	923	919	(913	912	911	910	907	906	897	893	886)	885	892	899	918	938	946	908
14	972	954	917	912	916	913	930	920	916	920	916	913	902	892	900	899	891	884	891	894	905	919	910	918	913
15	910	906	913	921	922	925	924	928	929	927	921	920	926	922	927	913	898	881	875	883	872	888	923	915	911
16	934	924	919	924	923	921	924	925	928	925	924	918	910	910	913	895	862	863	874	884	884	918	934	970	912
17	939	946	918	937	957	1011	865	931	920	958	865	587	890	932	923	949	924	898	902	906	913	914	915	930	910
18	926	918	921	922	923	925	925	925	926	917	916	924	923	921	911	903	894	886	879	890	897	907	915	930	914
19 Q	920	914	918	923	923	920	924	924	924	925	926	924	928	930	928	909	886	875	870	880	899	919	932	938	915
20 Q	934	920	920	920	923	931	930	928	927	930	931	931	929	931	923	907	883	864	869	879	892	908	933	939	916
21	935	925	924	923	922	934	934	938	930	952	937	934	949	871	763	888	872	858	864	875	902	924	958	997	913
22	899	909	910	914	912	919	910	919	925	927	930	936	939	924	942	911	912	880	877	857	884	937	942	955	915
23 D	948	941	946	992	974	942	929	900	806	743	919	874	639	604	644	869	872	839	828	817	887	910	1081	1181	878
24 D	1324	1122	1210	1086	1034	646	769	607	892	646	416	722	411	043	132	-077	768	856	899	891	927	929	924	1002	758
25 D	942	940	921	943	922	953	580	864	817	650	424	376	679	708	699	798	940	872	898	923	920	946	1017	1022	823
26 D	1212	1256	1214	1033	954	933	928	487	667	753	919	946	914	896	857	835	852	863	845	874	902	928	917	910	912
27	899	898	906	914	942	886	703	918	895	832	836	796	844	834	832	888	880	862	871	880	892	910	923	960	875
28	973	968	952	938	915	912	909	908	910	916	901	897	914	905	855	839	865	869	863	875	874	897	902	918	903
29	927	927	920	919	913	921	925	910	910	901	916	867	890	909	818	868	879	879	854	854	878	894	932	945	898
30	934	923	923	939	927	930	922	852	882	930	799	858	909	904	909	901	871	872	881	891	902	915	927	936	902
31	940	930	925	927	928	930	930	933	930	900	364	427	826	822	901	836	806	861	854	876	900	909	923	928	854
Mean	958	948	946	941	936	923	909	899	905	887	844	840	865	854	853	861	882	872	876	885	900	919	936	953	900

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 Meanook

D = 24° E + ...'

August 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	18.0	27.6	24.1	16.8	17.1	19.9	20.0	18.1	18.8	18.5	19.4	13.4	20.2	23.6	28.6	27.2	24.8	22.0	19.0	12.3	14.8	16.8	16.5	17.0	19.8
2	20.7	21.7	18.7	18.2	18.9	18.3	17.0	18.8	16.9	12.5	19.0	24.4	22.0	34.0	31.5	29.3	27.1	21.5	18.8	18.9	16.6	16.0	17.1	18.1	20.7
3	18.5	17.5	17.0	17.5	17.9	17.5	18.9	26.6	21.1	20.0	18.9	24.3	28.7	33.1	33.0	29.7	24.8	22.1	18.8	14.7	14.0	14.9	15.8	17.6	21.0
4 Q	17.2	17.1	18.1	16.8	16.4	16.5	17.5	17.9	20.0	20.7	21.6	23.7	25.4	27.1	27.6	28.1	27.3	24.5	15.8	11.2	10.9	11.9	12.1	15.8	19.2
5 Q	19.0	21.7	21.0	19.8	19.2	19.8	18.9	20.8	18.6	18.8	18.0	19.4	24.3	28.2	30.1	30.3	28.6	22.9	15.7	11.9	09.0	10.2	11.4	14.6	19.7
6	18.8	20.3	19.2	18.4	18.2	17.8	18.2	18.9	19.6	21.0	22.0	23.6	25.9	29.2	31.6	33.2	31.1	31.2	21.9	21.6	15.7	13.3	12.9	13.8	21.6
7 Q	15.9	18.4	18.5	17.3	18.1	18.0	16.5	17.1	18.1	19.0	20.6	23.1	26.6	29.3	32.1	33.6	33.3	27.8	19.7	11.1	04.4	04.6	08.6	13.6	19.4
8	14.9	16.9	17.2	17.7	15.6	16.3	15.1	19.9	15.0	18.8	21.5	23.8	27.6	29.8	32.3	31.5	27.5	27.4	08.3	03.6	05.6	09.8	10.9	12.0	18.3
9	15.9	15.9	19.4	17.9	15.8	19.5	15.9	16.8	16.3	15.8	13.9	44.3	58.3	40.5	33.9	41.9	44.3	23.8	13.3	10.1	18.5	21.3	22.2	18.3	23.9
10	20.7	22.1	22.3	19.4	24.1	20.1	20.4	28.1	19.0	16.2	17.8	19.8	23.0	27.6	34.4	35.5	32.6	25.7	19.8	15.8	12.0	11.3	11.9	12.9	21.4
11 D	13.4	09.8	10.9	08.0	06.9	10.0	11.0	06.2	21.0	23.5	27.6	39.2	36.7	32.5	32.4	44.5	34.4	30.5	20.5	24.7	08.7	10.5	11.5	12.3	20.3
12	09.0	17.7	10.0	12.0	10.8	15.1	06.7	10.0	12.1	14.7	03.7	25.7	28.7	26.8	23.7	30.1	30.5	30.1	21.7	13.6	11.0	11.9	11.8	14.9	16.8
13	15.8	16.8	16.2	16.3	16.5	16.8	17.0	18.1	19.0	20.7	21.0	21.2	21.4	22.1	22.2	22.1	21.9	21.5	20.9	16.9	14.6	12.6	10.9	11.2	18.1
14	12.9	15.1	17.2	18.1	18.1	18.8	18.1	16.8	17.9	18.7	19.5	20.9	22.7	25.7	28.1	29.5	28.0	24.1	19.8	14.7	11.8	11.4	11.9	14.0	18.9
15	16.9	17.8	17.8	17.3	16.9	16.8	17.2	17.8	18.0	19.2	20.4	21.2	23.7	25.6	27.8	28.7	27.9	26.6	21.9	18.2	10.9	09.0	10.9	13.6	19.2
16	15.9	17.1	17.9	17.8	17.1	17.9	18.2	18.7	19.4	19.7	21.9	21.7	24.7	29.5	33.7	33.3	27.8	17.1	12.7	10.9	10.2	09.1	08.5	08.5	18.7
17	10.4	08.7	08.8	11.3	10.9	03.6	15.9	16.7	18.2	21.3	15.9	10.7	19.7	25.7	36.4	32.0	30.5	26.1	18.8	14.8	11.8	12.1	14.9	17.9	16.3
18	19.2	19.3	17.8	17.8	20.0	19.8	17.5	17.8	18.8	18.9	19.9	24.0	27.6	30.1	31.5	31.5	28.7	23.7	18.0	12.5	10.7	10.9	13.8	17.0	20.3
19 Q	19.8	20.0	18.3	17.8	17.9	17.8	18.0	18.7	19.9	20.9	21.6	24.0	26.6	29.0	29.7	30.5	28.9	23.1	16.1	10.1	08.0	09.0	11.0	14.8	19.6
20 Q	17.6	18.8	16.5	16.3	16.2	15.8	16.9	16.8	18.0	19.9	21.3	23.1	25.6	28.6	33.5	34.6	31.1	23.9	17.4	13.5	10.9	10.3	12.9	16.8	19.8
21	19.5	19.5	17.8	16.7	16.8	14.9	14.7	16.2	20.5	20.7	22.3	28.2	30.6	26.8	40.5	41.6	39.6	30.4	06.2	09.8	06.6	09.1	09.2	10.9	20.4
22	10.1	16.3	17.8	16.0	16.8	13.6	16.3	16.8	16.9	18.0	20.7	23.1	25.7	29.8	32.4	32.6	30.1	27.6	21.8	14.6	07.1	09.2	12.4	16.5	19.3
23 D	19.7	20.4	18.2	16.6	23.7	17.6	21.2	23.6	36.2	25.3	27.7	17.8	18.7	44.3	39.2	34.7	29.6	22.5	20.2	07.6	13.8	22.8	33.6	34.1	24.6
24 D	35.9	15.7	10.2	27.3	-0.4	09.9	19.7	05.2	19.5	12.5	21.4	34.3	31.9	19.7	34.3	49.6	33.7	25.6	24.5	13.5	18.8	20.8	21.8	22.3	22.0
25 D	24.6	20.7	18.4	24.1	24.4	23.2	02.7	18.9	15.4	32.5	29.6	44.2	44.3	38.4	34.4	42.3	31.2	25.1	16.8	18.7	17.6	17.9	19.1	25.2	25.4
26 D	25.6	30.9	29.4	27.5	24.3	21.5	27.6	18.3	20.7	22.3	18.9	19.9	23.3	27.2	29.1	33.4	30.8	28.6	20.2	12.9	14.2	15.1	16.3	17.7	23.2
27	19.4	20.0	23.9	25.2	20.7	13.0	00.0	21.8	18.7	19.2	15.0	22.6	31.2	24.3	30.7	35.5	31.1	26.1	18.2	16.1	12.9	14.9	17.9	19.4	20.7
28	22.8	21.4	20.8	22.7	20.7	19.4	18.8	17.6	18.4	19.8	17.9	19.4	23.4	24.8	24.8	26.6	28.8	23.8	22.2	17.1	14.5	15.0	15.2	16.7	20.5
29	18.8	20.0	18.8	17.7	19.9	19.7	18.4	20.3	20.4	13.8	15.9	15.4	21.7	27.2	22.3	30.1	29.0	26.9	25.7	18.0	10.7	10.5	12.9	14.9	19.5
30	18.2	18.4	20.1	25.2	22.7	18.9	18.8	14.0	19.5	20.7	11.7	19.5	26.8	30.1	32.9	31.2	25.7	19.8	17.3	16.0	15.1	14.8	15.9	18.7	20.5
31	19.7	21.2	22.6	21.2	21.8	19.2	17.0	19.8	21.8	20.7	11.4	47.2	40.4	35.5	29.1	35.0	29.1	12.9	02.6	10.0	09.1	11.7	16.8	19.3	21.5
Mean	18.2	18.9	18.2	18.5	17.6	17.0	16.4	17.8	19.2	19.5	19.3	23.9	27.7	29.2	31.1	33.2	30.0	24.7	17.9	14.0	12.0	12.9	14.5	16.5	20.3

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 31 Meanook

Z = 58,000 γ +

August 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	751	796	778	740	730	729	724	721	707	697	674	659	693	662	675	714	729	724	716	714	718	729	739	750	720
2	750	750	735	729	728	721	713	724	696	546	598	694	693	664	707	715	710	713	720	726	725	719	730	740	706
3	728	713	711	710	709	709	715	680	681	701	686	693	686	674	670	695	708	708	712	714	713	715	726	737	704
4	735	729	724	723	723	720	715	715	713	712	715	716	716	710	708	702	700	705	706	712	718	733	737	756	718
5	763	751	737	732	730	733	720	740	723	715	719	727	728	724	720	719	722	724	722	728	735	738	740	735	730
6	733	729	725	722	719	716	714	715	715	718	722	724	725	724	715	713	707	702	701	702	709	715	730	742	718
7	741	740	734	735	750	736	719	715	715	715	716	718	722	721	719	715	706	704	697	698	710	715	718	720	720
8	728	729	734	724	716	713	718	739	735	721	732	720	726	719	697	680	653	657	688	722	748	776	767	765	721
9	772	780	778	773	767	708	747	753	736	723	641	458	537	673	647	674	683	706	762	748	764	791	832	853	721
10	801	788	756	764	784	756	728	694	719	724	726	730	735	729	719	728	726	719	716	721	723	726	729	721	736
11	713	712	715	721	725	719	671	630	681	692	698	670	705	697	657	647	674	678	722	734	807	829	795	778	711
12	774	772	766	815	759	761	741	708	664	712	571	636	626	576	615	707	735	735	729	722	734 (734)	723	724	710	
13	723	720	721	719	713	714	713	716	711 (711)	714	713	722	723	728	724	729	732	730	732	733	747	759	761	725	
14	786	769	742	727	724	718	723	722	721	715	713	712	708	706	707	718	721	718	718	721	722	719	721	724	
15	723	719	716	718	715	713	709	708	708	708	702	691	704	710	712	713	714	709	706	715	719	718	725	714	712
16	718	715	715	716	714	711	711	710	710	706	699	690	681	685	685	692	682	665	685	698	712	724	726	737	704
17	744	760	772	746	749	644	650	714	705	715	718	686	672	720	718	747	729	727	732	730	726	725	728	735	720
18	734	730	726	732	729	734	734	730	729	728	724	726	729	721	715	714	713	713	714	715	713	715	715	716	723
19	715	714	714	714	714	714	714	714	714	714	714	715	716	715	715	711	706	704	710	711	714	718	719	719	714
20	721	716	715	715	715	720	719	709	705	713	715	715	715	714	714	715	710	709	712	714	724	725	724	716	
21	719	715	714	714	712	712	716	672	670	716	714	708	716	662	512	605	654	675	694	706	734	759	778	808	699
22	828	780	739	729	720	721	708	708	708	713	715	716	718	711	719	711	716	714	722	734	745	768	798	786	734
23	787	772	767	805	800	756	734	688	586	567	672	682	519	400	414	607	667	674	693	694	761	813	871	898	693
24	759	772	726	608	721	657	712	601	704	672	550	571	484	681	892	531	702	715	736	767	774	775	776	806	696
25	804	768	759	795	753	693	610	639	642	507	536	654	693	681	659	655	753	734	755	770	768	789	786	800	708
26	762	695	701	752	762	758	681	613	416	575	668	740	747	737	730	708	716	723	728	749	765	762	742	737	707
27	734	732	745	746	739	665	442	683	669	594	632	565	626	654	642	683	714	724	737	746	746	745	740	752	686
28	782	778	773	748	742	748	725	707	712	726	718	706	728	729	695	669	710	724	740	742	741	754	751	744	733
29	744	741	737	740	736	735	734	718	691	647	701	662	679	706	626	674	713	729	741	754	760	751	761	763	718
30	767	766	762	756	740	736	739	593	603	694	580	634	701	696	697	714	719	728	737	747	747	742	740	740	712
31	742	742	738	736	732	727	736	736	715	694	554	830	673	639	697	643	651	655	684	715	753	752	749	759	710
Mean	751	745	738	736	734	719	704	697	687	684	675	686	685	686	685	688	706	708	717	726	737	746	751	756	714

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook

August 1956

Day	Horizontal Intensity						Declination						Vertical Intensity							
	Maximum			Minimum			Maximum			Minimum			Maximum			Minimum				
	12,000 γ +			12,000 γ +			24° E +			24° E +			58,000 γ +			58,000 γ +				
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ		
1	02	09	1049	11	13	856	01	50	36.2	11	29	9.1	01	55	822	11	12	628	194	
2	23	05	952	09	30	762	13	29	37.1	09	30	7.4	01	06	760	09	50	519	241	
3	22	42	956	08	27	870	14	57	36.3	07	10	12.9	23	26	741	07	43	640	101	
4 Q	23	10	967	19	00	874	15	21	29.2	19	52	9.1	20	49	760	16	36	696	64	
5 Q	00	20	969	17	50	882	14	25	31.5	20	32	8.6	22	29	767	06	35	695	72	
6	13	37	956	19	00	875	15	00	35.5	23	14	11.8	23	20	749	19	00	697	52	
7 Q	03	54	953	18	15	826	16	11	35.5	21	03	2.2	04	35	766	19	20	692	74	
8	10	00	998	17	28	759	17	30	38.4	19	09	1.1	21	50	786	17	21	622	164	
9	05	09	1012	11	38	345	13	21	77.5	10	46	7.0	23	45	864	11	39	488	376	
10	04	11	1018	07	29	885	14	55	38.4	21	31	10.9	00	01	832	07	29	673	159	
11 D	04	58	1131	10	33	602	15	10	53.0	07	29	-16.3	21	15	855	07	36	564	291	
12	06	34	1166	13	47	581	11	20	37.3	10	29	-12.6	03	43	855	14	09	499	356	
13	23	38	960	18	39	880	80	(18 40)	(22.6)	(22 54)	9.9	(12.7)	(23 59)	(768)	(06 50)	(708)	(60)	(60)		
14	00	48	1000	17	30	877	123	15	11	30.6	21	42	10.6	00	45	802	14	00	700	102
15	22	40	940	20	20	862	78	16	17	29.6	21	30	8.5	22	41	732	11	24	680	52
16	23	49	992	16	55	848	144	14	29	35.5	23	58	7.4	23	50	749	17	21	656	93
17	05	35	1176	11	08	494	682	05	59	47.1	05	44	-43.9	06	38	792	05	43	197	595
18	00	05	953	18	40	871	82	14	51	33.4	21	01	9.6	00	06	750	15	16	707	43
19 Q	23	55	945	18	09	867	78	15	17	31.6	20	27	7.9	21	06	722	17	10	699	23
20 Q	23	11	950	17	38	859	91	15	29	35.9	20	45	10.1	23	11	727	08	41	695	32
21	23	48	1051	14	10	656	395	14	47	52.0	20	20	1.2	23	46	833	14	11	483	350
22	00	00	1036	19	24	846	190	15	04	36.3	00	33	4.1	00	42	844	15	05	695	149
23 D	23	36	1256	14	07	512	744	13	35	56.9	19	35	1.2	23	37	921	14	06	315	606
24 D	00	34	1450	15	05	-414	1864	(13 25)	162.4	13 40	-107.5	269.9	13 28	1277	13 46	08	1269			
25 D	23	04	1070	11	03	267	803	11	27	111.5	06	12	-38.0	11	34	911	10	04	241	670
26 D	00	37	1462	07	59	199	1263	08	05	77.5	00	47	-13.9	00	22	835	08	07	90	745
27	05	00	1018	06	23	470	548	12	33	42.2	06	14	-45.4	23	24	767	06	16	211	556
28	03	15	1006	14	54	818	188	16	34	32.5	21	01	13.0	02	36	805	15	11	648	157
29	23	54	995	14	26	755	240	15	29	32.6	21	20	9.0	23	54	781	14	33	573	208
30	00	02	975	11	00	696	279	14	19	35.3	07	33	-3.8	00	04	775	07	54	422	347
31	00	23	944	10	45	-361	1305	11	36	84.5	10	34	-33.3	11	05	1084	10	35	348	736
Mean			1042			649	393			47.6			-4.6		820			532	288	
No. days			31			31	31			31			31		31			31	31	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 33 Meanook

H = 12,000 γ +

September 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	931	912	915	917	930	955	901	879	877	814	505	784	719	891	917	901	865	877	876	879	891	926	942	910	871
2 D	914	965	1003	1056	1205	1042	1183	1198	681	296	378	416	669	735	876	847	844	865	873	905	923	917	928	921	860
3 D	917	948	1082	1117	1016	738	775	677	562	511	140	340	541	634	703	850	893	879	897	906	934	937	933	948	787
4	941	918	903	907	911	898	766	627	806	887	797	783	862	854	902	903	887	862	855	864	883	903	911	916	864
5	945	918	922	927	907	907	912	918	920	923	926	927	927	924	919	904	889	877	860	869	881	898	906	932	910
6	974	899	927	942	1007	939	900	830	906	767	872	617	652	534	657	808	888	911	884	860	867	932	917	966	852
7	962	953	949	916	908	910	910	916	915	915	918	927	916	911	913	910	880	880	871	873	875	891	903	904	909
8 D	906	911	921	920	919	920	927	919	753	825	601	497	621	382	597	659	908	918	884	906	905	922	908	877	813
9	895	904	898	906	920	919	941	786	866	888	702	686	673	818	872	880	861	862	877	914	929	904	927	912	864
10	942	883	900	912	904	902	900	901	893	895	902	905	898	884	898	888	878	856	862	876	898	900	893	902	895
11	920	905	914	925	950	943	968	944	914	820	873	799	820	886	900	883	890	881	875	881	899	899	896	906	896
12	912	918	921	921	925	925	924	925	927	926	926	925	921	925	920	908	896	885	872	875	909	965	1043	1076	928
13	1011	973	997	857	924	1019	951	920	892	899	904	898	897	903	888	889	878	863	885	896	911	896	896	903	915
14 Q	901	911	914	917	920	917	916	916	923	921	911	912	913	907	903	889	878	872	871	878	883	898	907	932	905
15	923	915	925	925	926	925	922	922	925	920	921	923	926	928	928	919	903	894	889	889	898	907	946	917	917
16	894	907	917	922	921	923	926	927	926	926	926	926	930	923	904	877	832	879	891	897	907	894	909	907	908
17 Q	912	917	923	921	921	925	931	929	922	921	911	918	922	921	900	881	885	876	877	882	885	902	914	918	909
18 Q	925	916	911	918	921	925	925	925	928	929	929	929	926	928	924	911	894	881	878	888	901	912	918	917	915
19 Q	917	918	922	928	929	929	931	934	934	935	935	932	932	929	921	903	893	895	897	908	915	921	925	921	921
20	918	929	943	963	978	1011	965	856	943	943	967	966	943	950	952	913	857	903	911	903	894	914	912	940	932
21 D	913	1019	1105	1152	926	681	763	924	873	600	742	860	755	646	883	897	875	871	881	878	893	920	925	914	871
22 D	928	941	946	953	824	896	582	606	878	629	489	474	890	927	918	791	871	871	885	886	910	918	917	914	827
23	922	927	949	924	907	907	914	863	878	895	692	789	847	879	902	903	899	891	881	885	891	899	908	902	886
24	911	912	914	919	919	923	925	922	919	914	911	896	888	867	887	900	894	888	875	875	875	895	910	916	902
25	926	932	928	922	911	911	917	921	922	924	926	926	922	914	891	869	891	887	878	877	877	895	914	918	908
26	926	946	970	1047	1063	1011	844	801	746	499	785	891	883	918	917	917	903	907	903	893	893	903	913	918	892
27	922	921	917	915	916	916	917	918	916	916	905	838	805	840	845	914	913	900	879	880	865	887	903	910	894
28	916	922	932	971	924	943	930	918	861	793	897	917	918	912	907	914	917	911	901	906	899	903	899	911	909
29 Q	907	918	921	923	924	925	926	925	925	925	926	931	932	930	926	918	907	887	891	900	909	917	911	930	918
30	927	918	920	942	944	926	936	930	932	924	903	888	930	939	935	921	905	899	889	889	895	903	907	899	917
31																									
Mean	925	926	940	946	940	920	904	886	875	829	804	814	846	851	880	883	886	884	882	887	896	909	918	922	890

DECLINATION
Mean values for periods of sixty minutes, Universal Time

D = 24°E + ...'

Table 34 Meanook

September 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	20.7	19.7	17.8	17.3	18.3	25.2	15.9	19.8	23.6	23.7	22.7	26.5	38.3	38.9	40.3	33.0	30.5	22.2	19.8	16.9	08.7	11.0	12.9	15.2	22.4	
2 D	17.3	15.5	18.8	34.5	11.8	65.0	36.1	05.9	14.1	38.4	41.5	27.7	26.9	39.5	44.6	44.9	34.8	21.0	24.8	13.5	16.8	17.7	19.9	21.0	17.6	
3 D	22.1	21.4	24.7	40.0	18.8	11.3	02.8	03.0	10.9	01.6	44.5	66.5	62.8	41.1	34.5	36.7	31.2	24.8	17.7	14.9	16.0	15.9	18.0	20.2	24.7	
4	24.0	24.1	22.9	21.1	20.6	19.4	15.6	02.8	18.0	21.7	15.1	13.9	26.5	34.8	37.8	34.2	30.6	25.7	21.5	17.7	15.3	15.9	18.9	21.5	21.4	
5	23.1	25.7	22.6	20.0	19.3	17.8	17.8	18.3	19.8	20.8	21.3	22.0	25.3	27.2	28.5	27.4	26.8	22.7	19.6	16.5	15.2	16.7	18.0	18.3	21.3	
6	19.8	21.0	20.2	18.6	11.4	24.4	18.9	20.7	24.7	27.5	25.8	28.7	23.7	30.7	32.5	28.7	25.3	24.4	22.7	22.7	17.8	21.2	15.1	16.5	22.6	
7	19.3	14.8	21.1	18.9	18.3	18.4	18.8	22.8	20.8	20.7	20.9	21.6	23.9	29.8	32.6	31.2	29.6	27.1	21.6	17.7	14.4	13.7	13.9	14.7	21.1	
8 D	15.9	17.0	17.7	17.7	18.0	19.0	19.0	26.6	08.1	30.1	36.0	54.2	41.3	52.9	36.0	63.1	22.7	32.7	18.2	09.1	15.4	14.9	12.9	17.6	25.7	
9	17.8	19.7	16.8	15.2	17.3	15.9	05.2	17.0	20.8	12.8	36.8	39.5	46.5	24.1	31.8	37.2	35.5	27.8	25.0	24.9	20.1	15.0	14.2	15.0	23.0	
10	13.6	17.3	17.8	19.0	19.8	19.2	19.8	19.0	18.4	24.2	22.7	23.1	22.9	21.2	28.1	29.6	28.6	28.6	20.8	12.9	12.9	14.2	15.9	16.3	20.2	
11	15.9	16.9	17.7	17.2	16.3	15.9	15.0	11.5	20.1	26.9	24.4	29.8	26.6	31.1	28.8	27.0	27.6	24.4	19.6	18.3	13.9	13.9	15.8	18.1	20.5	
12	18.3	17.1	17.3	17.4	16.7	17.3	18.4	19.8	19.9	20.7	20.7	20.8	23.2	24.5	26.9	29.6	29.6	26.8	25.8	17.4	19.0	14.9	14.1	11.9	20.3	
13	15.9	13.3	14.7	01.3	16.7	18.8	16.6	16.2	22.7	21.8	20.7	22.3	23.9	26.8	25.7	28.1	30.4	30.5	20.4	15.2	15.8	17.6	18.5	20.5	19.8	
14 Q	20.3	18.8	17.8	18.2	17.4	17.8	17.4	17.7	16.8	20.4	21.2	22.1	23.2	25.2	29.2	30.5	28.2	26.6	21.5	18.0	16.1	15.6	16.7	15.3	20.5	
15	16.6	16.7	15.9	16.9	15.8	17.8	18.8	19.8	19.9	20.5	20.9	22.4	23.1	25.3	28.2	30.3	30.5	28.6	23.2	17.3	13.8	14.4	12.4	13.6	20.1	
16	16.3	16.8	16.8	17.1	18.2	18.3	18.3	19.3	20.3	21.6	21.8	22.7	22.8	26.6	28.8	26.6	19.8	14.9	15.7	15.7	15.1	13.5	16.0	18.3	19.2	
17 Q	19.8	18.8	17.9	17.4	17.8	20.0	17.7	18.6	19.8	20.7	22.7	27.7	26.6	27.9	30.1	30.3	26.1	25.9	19.9	17.0	11.9	13.9	16.3	18.3	21.0	
18 Q	18.3	17.4	17.2	17.8	17.8	17.5	17.9	18.8	19.8	20.4	21.2	22.3	23.9	27.5	29.1	30.5	28.7	25.8	19.9	15.4	13.7	15.0	17.3	18.7	20.5	
19 Q	18.0	17.1	16.9	17.0	17.5	17.8	18.0	18.8	19.8	20.7	21.3	22.2	23.7	26.1	29.6	30.2	29.7	26.1	20.6	16.0	15.3	15.2	16.5	17.3	20.5	
20	17.0	15.9	15.1	16.9	14.9	17.8	14.0	16.8	19.3	19.5	20.7	25.5	28.1	24.0	25.7	23.9	20.7	11.9	13.8	12.9	11.8	14.1	15.5	17.2	18.0	
21 D	19.8	17.7	22.5	15.1	02.2	03.1	23.2	20.0	16.9	21.7	24.7	21.2	23.3	21.7	32.1	30.3	26.6	26.5	20.0	13.4	16.8	17.1	18.5	17.6	19.4	
22 D	15.9	19.8	21.7	24.9	21.1	19.6	05.4	12.8	15.6	21.9	26.9	28.7	41.3	32.5	34.4	33.7	27.4	26.9	25.3	16.7	20.7	21.6	22.8	22.8	22.9	
23	22.7	24.7	34.1	18.1	18.3	19.0	34.5	17.3	22.7	21.4	20.7	10.0	22.7	24.7	31.2	29.1	29.5	28.1	24.9	21.3	18.3	17.8	18.3	19.7	22.9	
24	19.3	18.8	19.0	18.9	18.9	18.8	18.8	19.8	20.3	22.7	22.6	18.8	19.8	19.8	23.6	28.7	30.1	30.1	25.8	23.0	16.8	15.9	15.9	16.1	20.9	
25	16.7	15.7	17.4	18.8	16.8	17.5	18.3	19.0	19.8	20.3	20.5	20.5	21.7	23.2	26.1	25.7	25.9	25.6	23.7	18.8	15.9	11.9	11.4	12.9	19.3	
26	10.1	11.9	12.2	13.9	17.8	20.7	34.0	23.7	21.5	18.8	27.6	24.0	16.3	21.4	25.7	26.1	26.9	23.7	21.2	20.1	18.7	17.8	17.8	17.8	20.4	
27	18.1	18.9	19.1	19.3	19.0	19.3	20.7	20.1	20.5	20.9	20.7	18.1	24.2	24.7	20.1	30.5	28.1	26.9	23.6	20.3	15.9	14.9	15.1	16.1	20.6	
28	17.7	18.3	17.1	18.8	24.2	21.7	20.3	22.7	23.9	29.6	24.7	23.1	22.7	25.7	26.9	27.3	26.1	25.7	24.2	22.8	21.5	19.0	18.3	15.8	22.4	
29 Q	15.9	15.4	17.3	17.8	18.8	18.8	19.3	21.6	21.7	21.7	21.7	22.2	23.7	26.1	28.0	28.3	26.9	22.7	15.4	13.6	12.4	14.9	17.7	15.9	19.9	
30	14.9	16.3	14.9	14.3	16.3	17.9	18.7	18.7	19.9	20.7	22.7	25.7	25.2	27.1	28.1	28.5	25.7	23.0	20.3	18.9	17.9	17.1	17.1	17.3	20.3	
31																										
Mean	18.0	18.1	18.8	18.6	17.2	15.2	15.7	17.2	18.4	21.7	24.5	25.8	27.5	28.4	30.2	31.4	28.0	25.3	21.2	17.3	15.8	15.7	16.4	17.2	21.0	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook

Z = 58,000 γ +

September 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	765	752	747	736	747	554	597	667	681	669	777	626	570	672	715	706	716	738	745	752	755	765	767	740	707	
2 D	728	760	843	854	755	494	699	617	788	840	993	926	790	733	756	745	725	750	753	780	767	762	768	761	766	
3 D	755	770	794	719	693	599	759	701	821	813	627	786	627	605	608	664	724	739	760	786	804	793	784	789	730	
4	783	779	770	760	754	734	610	564	637	699	664	621	688	667	709	745	756	759	761	767	772	768	756	754	720	
5	775	778	766	758	741	737	737	740	742	740	738	737	739	738	736	735	733	736	742	749	755	759	752	752	746	
6	767	750	751	759	762	710	715	681	721	640	672	608	535	538	597	669	728	747	746	759	779	812	784	789	709	
7	802	814	802	750	736	735	739	735	739	732	734	735	730	725	724	725	720	725	734	734	735	733	733	729	742	
8 D	726	728	732	730	726	724	728	694	591	603	529	642	759	552	773	273	768	760	714	756	773	765	756	749	690	
9	751	756	744	746	759	752	740	690	733	669	600	618	722	658	685	708	724	739	754	772	769	750	756	764	723	
10	768	746	740	740	730	728	729	727	709	710	710	726	723	713	728	726	726	728	735	732	739	748	741	740	731	
11	746	735	735	737	748	745	775	766	740	629	655	591	630	692	720	723	735	736	736	730	740	739	730	729	718	
12	728	732	730	729	729	732	730	733	728	726	726	724	725	726	728	725	726	723	720	727	738	769	793	804	736	
13	782	803	776	664	714	748	752	732	656	712	726	730	730	736	732	737	739	741	742	741	746	740	741	746	736	
14 Q	741	741	737	734	732	730	728	728	719	748	737	730	732	730	732	732	732	732	732	729	733	737	739	740	742	734
15	737	735	732	730	730	729	728	726	726	726	725	725	728	728	727	725	724	718	716	719	716	728	742	734	727	
16	727	722	725	725	721	721	722	722	722	722	722	722	721	726	718	710	667	678	699	710	739	745	738	732	719	
17 Q	728	725	726	727	737	745	737	742	735	727	701	692	719	721	714	708	714	715	713	718	725	725	722	723	722	
18 Q	724	723	720	720	720	720	720	720	720	719	719	719	718	722	721	721	720	720	720	726	729	728	723	722	721	
19 Q	720	719	719	719	719	719	719	720	720	719	718	719	719	719	719	718	713	705	710	713	721	724	719	718	718	
20	713	714	723	767	769	765	707	683	728	732	726	730	715	720	716	692	669	657	707	748	760	772	769	778	728	
21 D	770	817	753	694	539	702	700	736	768	749	654	724	685	583	681	727	742	752	760	761	756	767	766	748	722	
22 D	748	775	755	750	591	674	754	756	764	778	821	730	660	724	726	688	747	741	780	775	754	749	750	753	739	
23	752	760	753	738	732	735	710	591	683	711	590	591	629	683	710	721	737	735	727	721	723	726	727	726	705	
24	733	732	732	732	728	728	730	732	723	700	705	688	682	685	704	714	720	726	726	726	726	721	727	737	719	
25	748	760	765	753	742	734	727	727	724	724	723	722	724	721	707	698	704	707	714	721	727	736	742	746	729	
26	748	768	804	846	846	762	629	694	694	705	618	699	710	726	726	735	737	741	739	738	737	737	737	737	734	
27	732	732	732	732	732	732	730	726	725	719	710	645	583	634	661	695	713	724	728	739	744	753	737	736	712	
28	734	742	752	748	729	755	764	742	710	640	688	712	724	725	721	724	721	721	726	733	737	738	733	734	727	
29 Q	732	732	729	729	729	729	729	732	726	724	724	722	721	721	721	718	719	716	710	712	716	721	721	729	723	
30	732	738	754	775	786	748	733	728	735	720	678	626	688	714	724	721	719	719	721	722	726	729	735	735	725	
31																										
Mean	746	751	751	743	729	714	719	708	720	715	704	699	694	691	711	701	724	728	732	740	745	748	746	746	725	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook

September 1956

Day	Horizontal Intensity						Declination						Vertical Intensity									
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +			Maximum 58,000 γ +			Minimum 58,000 γ +			Range γ			
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ				
1	05	40	977	10	14	277	700	12	15	46.3	10	20	-19.4	65.7	10	16	903	12	16	531	372	
2 D	05	27	1367	11	06	-37	1404	09	40	108.8	(05	40	-129.4	238.2)	11	13	1235	05	18	214	1021	
3 D	03	04	1262	10	55	-83	1345	12	07	113.4	09	46	-83.8	197.2	12	43	1012	12	30	302	710	
4	00	43	956	07	23	302	654	13	56	39.4	07	35	-38.1	77.5	00	01	794	07	15	289	505	
5	23	59	985	18	07	844	141	14	43	29.5	20	18	14.5	15.0	01	05	786	14	31	729	57	
6	04	55	1058	13	40	314	744	12	57	53.0	12	50	-1.8	54.8	21	14	828	12	49	424	404	
7	01	56	1003	18	24	861	142	15	03	38.5	01	46	11.0	27.5	01	54	845	16	36	713	132	
8 D	17	14	1095	14	05	10	1085	(14	10	114.6)	13	55	-74.8	(189.4)	14	21	1227	14	14	76	1151	
9	06	50	1070	10	54	548	522	12	00	46.1	06	55	-36.6	82.7	12	30	845	06	50	507	338	
10	00	07	986	18	15	840	146	17	00	33.6	19	40	10.8	22.8	00	09	789	08	56	618	171	
11	06	56	1004	09	12	712	292	09	21	45.7	07	04	-0.8	46.5	05	51	798	11	32	576	222	
12	23	48	1239	18	18	862	377	15	30	33.6	22	54	7.2	26.4	23	49	870	18	16	712	158	
13	00	01	1130	03	25	641	489	17	10	36.7	04	01	-41.1	77.8	04	06	890	04	23	510	380	
14 Q	23	50	951	18	22	865	86	15	37	33.0	08	33	12.8	20.2	09	34	754	08	27	694	60	
15	22	09	956	18	47	887	69	16	05	32.4	23	07	10.9	21.5	00	04	749	17	35	714	35	
16	12	12	939	16	05	813	126	14	54	31.0	18	15	11.0	20.0	21	05	752	16	24	648	104	
17 Q	04	55	946	17	25	871	75	15	44	32.5	20	31	11.7	20.8	05	17	758	11	07	667	91	
18 Q	08	51	932	17	27	876	56	15	24	31.2	20	28	13.3	17.9	20	34	732	03	50	716	16	
19 Q	10	40	940	18	01	890	50	16	06	31.5	20	59	14.7	16.8	20	56	726	17	30	701	25	
20	05	09	1090	07	34	800	290	12	09	37.6	17	20	1.2	36.4	23	37	828	07	08	613	215	
21 D	04	08	1213	04	53	273	940	14	21	47.3	05	03	-57.5	104.8	08	51	914	04	45	303	611	
22 D	05	55	1131	06	43	41	1090	09	59	112.9	06	39	-69.4	182.3	11	01	1045	04	20	371	674	
23	02	29	965	10	39	605	360	06	49	47.2	11	25	2.9	44.3	02	09	781	07	34	542	239	
24	05	53	932	13	27	841	991	17	07	31.5	21	20	14.7	16.8	23	59	744	13	28	666	78	
25	01	06	950	15	28	853	97	01	29	34.2	23	55	10.0	24.2	02	09	770	15	37	687	83	
26	03	59	1128	09	24	139	989	09	37	62.2	09	24	30.1	32.1	04	12	886	09	37	537	349	
27	15	29	931	12	10	754	177	15	38	32.7	11	44	12.1	20.6	21	24	759	12	17	553	206	
28	03	30	1032	09	05	699	333	05	35	37.9	04	05	6.9	31.0	05	34	782	09	31	598	184	
29 Q	23	41	940	18	04	883	57	15	39	30.6	19	58	10.5	20.1	07	08	738	18	59	704	34	
30	03	41	957	11	32	868	89	15	18	30.4	03	47	10.1	20.3	04	15	803	11	12	603	200	
31																						
Mean			1036			602	434			47.8			-11.2	59.0			845			551	294	
No. days			30			30	30			30			30	30			30			30	30	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 37 Meanook

H = 12,000 γ +

October 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	914	913	925	940	935	937	930	930	928	901	919	842	833	891	884	877	895	906	897	891	893	906	941	922	906
2 D	935	965	918	916	915	931	906	679	587	646	675	764	620	487	808	910	900	895	914	926	884	914	963	983	835
3	960	917	914	922	915	914	925	899	790	826	867	770	706	859	911	932	904	840	844	859	906	900	898	929	880
4	900	919	915	906	908	908	913	932	917	880	888	921	928	920	913	914	899	886	883	877	888	928	909	906	907
5	906	909	913	913	914	916	925	879	389	661	764	879	930	923	914	903	891	881	866	869	866	896	909	923	864
6	920	920	922	937	961	943	940	928	919	902	873	870	915	874	877	876	878	884	865	870	880	903	924	925	904
7	921	928	928	943	938	925	925	922	888	834	906	932	930	890	899	905	898	861	833	850	864	883	914	907	901
8	920	922	923	922	932	935	898	922	919	895	905	891	926	919	921	912	898	870	870	877	873	858	901	914	905
9	914	928	917	920	926	931	931	931	902	859	896	927	901	902	919	917	916	890	883	881	899	901	908	916	909
10	921	920	922	930	930	930	928	928	928	931	931	930	928	928	926	925	919	910	895	887	887	891	897	902	918
11	915	920	925	923	923	932	931	931	918	884	897	934	929	925	925	925	920	910	900	894	893	891	900	904	914
12	915	922	925	928	929	931	932	932	932	932	930	932	932	939	938	933	925	904	899	894	899	892	905	912	921
13 Q	914	924	928	929	929	929	930	932	932	933	936	936	936	935	931	933	925	915	901	896	896	907	911	917	923
14 Q	918	925	925	925	927	931	933	932	931	932	936	936	937	932	929	925	916	907	903	902	902	910	916	918	923
15 Q	923	926	931	931	932	935	936	935	934	934	934	934	931	929	929	922	918	909	900	892	893	906	910	916	922
16	923	931	936	937	937	935	931	923	898	917	923	932	939	936	935	932	921	907	897	900	912	923	923	923	924
17 Q	929	936	939	939	946	942	943	943	939	943	943	942	939	940	935	923	909	896	884	889	898	910	918	923	927
18	923	926	935	935	941	935	932	932	932	936	934	940	936	936	936	927	917	902	892	895	903	915	921	925	925
19	929	932	932	931	921	918	921	921	925	925	930	918	927	943	939	928	912	892	883	886	895	901	915	923	919
20 D	928	936	931	931	965	970	882	872	633	463	468	402	464	366	805	840	857	805	841	890	935	939	974	983	795
21 D	975	1026	992	1031	908	963	908	693	469	677	528	565	587	587	742	916	874	811	816	882	890	900	920	908	815
22	908	908	930	966	922	903	907	911	915	914	908	916	901	816	831	858	849	864	860	861	879	879	908	908	893
23	922	937	984	954	951	948	932	882	735	879	879	828	728	826	868	890	892	883	877	886	890	911	934	922	889
24	915	911	919	919	926	926	922	916	916	915	908	922	919	923	926	918	906	901	893	893	889	902	910	911	913
25 Q	915	919	921	923	922	920	920	923	919	916	901	937	936	933	932	924	915	903	889	890	893	902	906	910	915
26 D	921	924	926	948	971	963	971	944	933	926	926	926	925	908	828	834	901	879	777	853	945	988	999	1085	925
27 D	1157	1120	1056	1031	970	933	914	714	601	603	587	775	658	877	922	926	915	898	869	841	882	904	908	893	873
28	893	912	944	979	1024	1012	850	755	755	536	430	509	512	791	868	920	908	908	898	908	898	901	918	906	831
29	895	903	906	915	911	910	922	914	899	781	707	795	885	893	885	885	872	872	885	876	886	903	906	904	880
30	904	904	908	912	915	916	915	901	808	861	832	809	846	872	889	941	922	904	901	890	888	895	904	907	889
31	908	912	912	912	912	912	916	915	908	791	885	833	885	922	926	926	902	899	893	883	886	898	906	908	898
Mean	927	932	932	937	934	933	922	893	839	836	837	850	847	862	896	910	902	887	878	883	893	905	919	924	895

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Meanook

D = 24° E + ...'

October 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	15.9	15.6	15.4	12.9	19.1	17.8	17.5	19.3	21.2	26.6	27.9	31.5	26.6	32.5	29.1	21.2	17.8	18.7	20.3	16.3	13.9	14.9	15.9	16.7	20.2
2 D	15.9	22.6	18.3	18.0	17.3	17.4	37.4	10.6	31.3	35.5	39.6	27.6	24.2	49.2	33.5	30.3	24.8	18.7	18.3	22.7	16.8	17.9	20.8	21.7	23.7
3	19.0	18.9	19.6	22.7	18.9	18.7	24.8	21.1	10.5	35.5	30.1	21.7	14.9	30.5	29.5	29.2	29.5	26.1	17.8	5.3	12.9	18.7	20.7	19.7	21.5
4	18.3	18.8	20.0	18.8	19.3	18.8	20.1	28.3	23.9	25.5	25.8	26.7	26.6	28.5	29.4	30.3	28.9	26.7	18.4	19.9	19.9	13.9	15.6	19.6	22.6
5	19.5	18.3	18.7	18.7	18.7	18.7	19.1	20.3	37.9	35.9	28.1	20.2	25.6	26.5	28.4	30.1	30.5	28.0	26.6	20.3	10.9	12.2	15.1	15.4	22.6
6	14.6	15.4	18.2	14.8	13.2	17.0	17.7	19.9	21.2	22.2	25.8	28.1	26.6	27.5	23.7	26.2	25.7	26.6	22.7	20.0	16.2	14.6	14.0	15.9	20.3
7	15.9	13.4	15.4	16.7	16.6	17.8	19.8	20.2	20.3	16.1	20.7	21.9	22.2	23.2	25.7	25.2	31.0	32.4	21.2	17.3	12.8	12.4	15.4	13.4	19.5
8	13.9	18.3	18.1	18.1	17.3	18.3	18.8	21.7	20.5	18.7	20.3	18.3	19.9	21.9	24.8	26.8	24.8	20.3	19.2	14.9	10.0	12.9	12.9	14.1	18.5
9	15.4	13.7	20.5	18.9	18.8	18.8	18.7	18.8	20.3	25.0	32.5	25.8	22.2	19.1	24.7	29.9	28.5	30.6	20.9	17.8	15.9	15.1	15.4	15.4	21.0
10	14.4	16.9	18.6	18.4	18.8	19.6	19.8	20.1	20.1	20.1	20.7	20.9	21.7	22.7	25.4	18.1	29.1	29.9	22.7	22.5	18.7	15.9	15.1	16.2	20.3
11	16.3	16.9	17.9	18.7	17.6	18.0	18.8	19.7	19.2	17.3	17.8	21.1	22.5	22.7	24.6	26.1	28.6	28.4	26.1	21.8	19.3	18.1	16.8	17.3	20.5
12	16.6	17.8	18.2	18.3	18.3	18.3	19.1	19.7	19.8	20.3	19.5	23.2	21.2	22.5	23.7	27.1	28.6	27.4	24.7	22.2	18.7	15.8	14.4	13.4	20.4
13 G	14.9	17.0	18.7	18.5	18.5	18.5	19.0	20.0	20.7	21.7	21.6	21.0	21.3	22.0	23.4	25.5	27.1	27.9	26.1	20.7	17.8	15.4	15.0	15.4	20.3
14 G	16.3	15.9	15.9	16.2	17.3	18.3	18.8	19.1	20.2	21.2	21.3	21.2	21.3	22.4	24.1	26.6	27.8	26.4	24.7	20.3	18.9	17.7	17.3	17.3	20.3
15 G	17.1	17.6	18.1	18.3	18.6	18.9	19.5	19.8	20.1	20.3	20.5	20.7	21.0	21.0	24.7	28.1	28.1	27.9	25.9	22.7	19.3	17.1	16.3	16.3	20.8
16	16.3	16.9	17.3	17.7	17.9	18.1	19.3	23.6	29.2	32.5	26.7	23.2	21.7	21.7	23.3	25.7	27.6	27.4	23.4	20.3	17.7	16.8	16.8	16.8	21.6
17 G	17.1	16.7	17.3	16.7	15.0	15.6	17.3	19.7	19.8	21.7	22.6	23.2	23.2	23.7	26.6	28.2	29.7	27.6	23.2	19.7	18.2	17.3	17.7	17.7	20.6
18	17.0	17.8	17.7	18.3	19.0	17.9	18.4	18.7	19.0	20.3	21.7	22.2	21.9	23.2	26.1	29.1	30.3	28.1	23.2	18.7	16.6	16.6	17.8	18.0	20.7
19	17.7	17.8	18.1	18.1	19.0	18.6	18.5	21.2	22.8	21.6	21.7	21.8	24.7	24.7	27.1	29.1	28.6	23.0	19.8	16.5	15.2	14.4	16.3	17.8	20.6
20 D	18.1	17.7	17.8	16.8	18.8	19.9	23.2	24.2	14.4	18.8	34.5	34.5	52.0	43.6	27.6	26.7	26.6	24.9	09.5	16.1	19.2	14.6	18.3	19.8	23.2
21 D	16.3	10.5	19.3	22.2	26.7	22.0	20.7	17.1	12.3	14.8	30.1	62.8	36.4	27.6	20.1	29.9	27.1	23.9	07.5	13.0	17.6	19.0	17.0	18.8	22.2
22	17.3	18.3	20.0	27.1	21.7	22.7	20.4	20.3	20.7	20.7	21.0	21.7	20.9	14.9	20.7	23.6	18.6	17.2	12.8	11.8	12.9	12.9	13.3	14.8	18.6
23	14.7	19.1	21.7	19.9	22.9	20.5	19.9	15.9	20.1	18.3	24.9	23.7	23.7	30.0	22.6	20.7	17.8	16.8	15.4	17.9	19.5	18.7	17.3	20.2	
24	18.3	18.8	17.7	19.5	21.9	21.9	20.3	20.5	20.7	21.2	20.6	21.4	20.5	22.6	24.2	26.6	26.9	24.6	24.0	22.0	18.8	18.8	18.8	18.8	21.2
25 G	19.3	18.3	18.7	18.7	18.8	20.3	20.7	22.2	20.4	19.8	17.3	19.7	12.4	12.9	24.2	25.8	27.1	27.1	25.2	21.6	19.1	18.8	18.6	19.1	20.2
26 D	17.3	16.3	15.2	16.7	17.3	30.1	24.6	19.6	19.6	20.7	21.6	21.2	21.7	21.5	21.6	20.7	29.1	27.1	14.4	20.7	27.4	25.9	16.8	18.7	21.1
27 D	07.0	09.9	06.5	07.5	07.5	13.6	21.7	28.6	33.4	25.7	32.4	25.7	23.2	22.7	20.7	20.3	20.7	22.6	22.7	11.9	15.1	14.9	16.8	18.8	18.8
28	17.1	19.3	17.9	17.9	14.4	16.2	16.8	11.8	26.9	18.8	34.2	35.0	35.7	28.1	18.2	22.2	21.7	21.2	21.4	21.4	19.5	19.6	19.7	20.3	21.5
29	19.7	19.1	20.2	19.9	20.4	24.0	23.2	18.7	20.1	28.5	33.8	32.5	32.2	21.8	23.6	22.4	27.3	20.0	19.5	19.0	19.3	19.5	18.9	18.2	22.6
30	18.2	18.1	18.8	18.8	19.6	20.0	20.1	26.1	25.6	25.6	21.7	21.4	36.4	25.7	24.2	23.2	24.0	18.8	17.9	18.7	18.3	19.2	19.9	19.5	21.7
31	19.1	19.1	19.0	18.9	18.9	18.9	19.1	19.5	22.2	16.9	28.0	14.1	21.9	24.4	24.8	24.7	23.6	23.2	23.2	19.1	17.3	17.0	17.0	16.2	20.2
Mean	16.6	17.1	17.9	18.2	18.3	19.2	20.4	19.5	21.8	22.8	25.3	25.0	24.7	25.0	25.1	25.8	26.5	24.8	20.6	18.4	17.2	16.7	16.9	17.4	20.9

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 39 Meanook

Z - 58,000 γ +

October 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	732	732	739	771	760	744	729	731	730	643	678	729	541	594	622	667	682	712	724	738	745	757	765	765	710
2 D	782	818	739	724	721	732	722	502	749	810	726	753	510	435	531	703	718	727	746	750	786	768	776	792	709
3	788	783	777	777	739	746	730	651	546	613	681	669	564	615	680	724	732	723	756	745	739	721	746	759	708
4	755	764	763	745	735	738	737	708	711	661	688	713	725	725	725	722	721	721	733	736	738	748	742	730	728
5	731	730	730	730	730	730	731	718	444	621	667	704	737	732	730	729	727	726	727	729	729	725	726	734	709
6	740	758	753	753	783	753	753	738	721	674	661	634	678	685	713	711	725	730	726	732	734	742	746	755	725
7	753	756	750	761	751	736	734	725	691	624	670	718	721	703	710	729	724	727	737	743	743	740	743	756	727
8	757	751	732	730	750	744	713	732	724	704	701	699	721	719	727	727	727	724	726	726	723	725	735	732	727
9	732	746	748	730	730	735	734	726	661	602	647	705	691	705	718	724	724	719	714	717	721	730	735	734	714
10	734	733	732	726	727	727	724	721	722	722	722	722	722	724	731	730	729	721	712	709	713	721	727	726	724
11	726	726	731	734	739	731	723	723	705	634	639	699	704	710	722	731	731	723	718	712	711	716	719	721	714
12	722	722	722	721	721	721	721	721	721	719	705	699	705	716	722	722	721	719	710	708	711	719	721	723	717
13 Q	727	724	721	720	720	720	721	721	719	712	718	718	718	719	720	723	721	721	714	709	709	710	711	714	718
14 Q	718	720	724	725	726	724	718	718	719	719	719	719	720	720	721	721	724	721	711	708	709	713	713	713	718
15 Q	718	718	718	718	718	718	718	718	718	718	717	717	717	718	721	725	725	719	716	716	714	714	714	714	718
16	716	717	718	718	718	718	721	708	656	688	703	697	719	721	723	725	725	723	719	718	718	716	716	717	713
17 Q	721	721	721	725	733	737	736	727	723	720	716	710	718	719	721	721	721	721	720	719	721	721	721	720	722
18	719	719	720	720	723	743	729	721	720	719	707	711	718	719	722	722	721	718	714	714	714	714	714	714	719
19	712	712	712	714	720	726	712	721	719	711	799	672	661	712	720	721	719	719	719	721	722	722	721	721	717
20 D	719	719	720	734	755	696	693	724	699	643	660	687	666	687	594	699	721	757	778	795	818	798	797	788	723
21 D	788	812	734	699	688	753	738	624	392	486	738	431	400	546	613	694	708	708	714	749	760	764	758	748	668
22	753	763	784	772	757	739	730	732	738	731	735	732	719	631	638	672	672	690	705	724	743	750	760	755	726
23	771	785	789	790	804	786	756	722	645	688	694	688	605	608	680	700	712	730	733	745	743	763	779	762	728
24	744	734	743	757	762	747	752	725	740	732	721	724	723	730	738	738	738	738	739	739	735	736	736	732	738
25 Q	732	732	730	730	731	735	721	721	721	714	707	725	723	723	725	727	729	731	731	731	729	727	729	729	726
26 D	729	730	732	757	732	721	760	757	744	737	727	726	723	710	618	569	638	664	673	738	800	813	815	739	723
27 D	810	803	761	713	677	721	718	727	578	667	553	664	613	661	712	733	738	734	738	743	755	757	766	768	713
28	753	755	784	820	851	794	745	611	624	732	721	629	729	637	703	735	735	743	751	761	756	752	757	757	735
29	753	757	750	751	746	740	739	739	721	624	598	678	721	719	718	718	712	717	740	745	751	756	750	748	725
30	747	748	753	753	753	750	740	713	667	661	609	592	609	607	607	717	732	729	738	745	752	756	753	744	707
31	740	740	735	735	734	734	733	734	719	588	656	639	656	703	718	729	729	732	732	734	739	743	743	743	716
Mean	743	746	741	740	740	737	730	708	680	678	690	687	674	679	692	713	719	722	726	732	738	740	743	740	718

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook

October 1956

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum			Minimum			Maximum			Minimum			Maximum			Minimum					
	12,000 γ +		γ	12,000 γ +		γ	24° E +		γ	24° E +		γ	58,000 γ +		γ	58,000 γ +		γ			
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ	
1	04	39	957	11	46	759	198	11	50	38.7	03	20	9.7	29.0	03	41	784	12	25	502	282
2 D	00	25	1060	13	16	259	801	12	15	<u>123.2</u>	07	34	<u>-44.4</u>	167.6	01	30	888	13	00	<u>222</u>	666
3	00	02	1023	12	30	585	438	09	25	42.4	19	30	-0.9	43.3	00	04	817	08	52	492	325
4	07	32	979	10	04	809	170	07	30	37.0	19	37	7.9	29.1	01	10	778	09	53	616	162
5	07	05	953	08	21	184	769	08	24	94.4	08	12	0.9	93.5	12	17	750	08	40	371	379
6	04	45	992	13	48	790	202	16	04	37.6	23	07	9.5	28.1	04	47	817	11	25	605	212
7	01	30	969	09	22	779	190	16	44	40.4	22	54	7.5	32.9	01	27	779	09	30	570	209
8	04	25	963	06	30	778	185	15	40	32.6	06	10	-2.3	34.9	05	14	776	06	18	637	139
9	11	13	950	09	01	828	122	15	50	37.7	01	41	9.5	28.2	02	13	774	09	20	568	206
10	00	24	945	22	05	876	69	16	30	35.4	22	45	11.5	23.9	01	25	747	17	52	711	36
11	12	03	947	09	24	861	86	04	36	32.2	09	20	13.7	18.5	04	13	758	09	26	606	152
12	14	03	942	21	06	882	60	16	52	31.9	23	26	12.0	19.9	08	10	727	10	54	688	41
13 Q	08	31	940	20	03	890	50	17	05	29.5	00	02	12.2	17.3	00	22	732	09	11	702	30
14 Q	06	48	939	20	28	895	44	16	14	38.6	00	10	14.5	24.1	04	08	732	06	43	709	23
15 Q	12	13	940	20	23	888	52	16	52	28.9	21	43	15.1	13.8	16	00	732	12	20	711	21
16	02	54	943	08	23	870	73	09	04	37.7	21	21	16.3	21.4	07	08	729	08	23	624	105
17 Q	04	47	954	18	25	878	76	16	52	31.7	04	48	10.7	21.0	06	43	746	11	21	702	44
18	04	47	951	19	24	884	67	16	23	31.1	04	57	11.0	20.1	04	07	753	10	34	690	63
19	13	02	947	19	57	876	71	16	05	31.1	21	23	12.5	18.6	07	07	733	11	50	604	129
20 D	05	02	1110	12	08	78	1032	14	08	92.8	09	10	-30.8	123.6	13	13	980	09	10	386	594
21 D	01	50	1129	12	06	310	819	10	08	42.8	07	10	-28.9	71.7	10	18	949	11	24	373	576
22	03	22	1051	13	32	775	276	03	50	34.6	19	00	9.4	25.2	03	00	801	13	41	611	190
23	02	22	1102	12	26	688	414	02	23	37.6	07	20	-2.3	39.9	01	55	827	13	42	562	265
24	05	00	956	19	02	874	82	16	12	29.2	02	47	15.5	13.7	04	30	781	07	30	708	73
25 Q	06	40	949	10	03	876	73	06	10	29.3	06	48	11.3	18.0	06	08	741	06	47	678	63
26 D	23	59	1222	19	32	739	483	05	40	39.9	23	27	-6.5	46.4	21	33	834	15	22	547	287
27 D	00	02	<u>1234</u>	08	07	310	924	08	01	57.4	06	13	-39.9	97.3	00	34	872	10	10	472	400
28	06	36	1104	10	17	249	855	10	15	68.9	06	18	-38.5	107.4	06	18	<u>1035</u>	11	52	499	536
29	06	52	932	10	34	587	355	10	55	46.8	17	37	14.6	32.2	01	56	773	10	30	539	234
30	15	35	976	09	21	719	257	12	29	43.5	17	15	13.0	30.5	16	04	758	12	04	545	213
31	15	16	941	09	24	689	252	09	58	31.2	09	06	-1.7	32.9	07	30	742	09	20	481	261
Mean			1000			692	308			44.1			1.4	42.7			795			572	223
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 41 Meanook

H = 12,000 γ +

November 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	894	914	933	929	937	949	942	933	926	923	923	924	925	919	887	877	893	891	895	894	908	902	906	908	914
2	923	923	921	922	924	924	926	926	932	933	908	907	930	933	922	911	903	897	896	893	899	915	915	932	917
3	933	928	940	943	949	955	955	935	911	770	789	862	916	923	926	917	904	885	871	877	880	894	911	925	904
4	918	927	931	931	927	928	925	923	918	928	923	920	927	927	923	911	905	893	884	884	890	902	914	909	915
5 Q	912	923	932	932	932	932	932	931	934	923	929	929	930	927	925	916	902	891	883	880	887	894	902	909	916
6	919	925	938	938	933	942	934	932	935	925	934	925	931	931	925	909	886	894	880	880	880	878	909	920	917
7 Q	911	928	928	931	931	933	930	927	922	923	927	927	927	924	920	916	902	884	875	865	883	896	904	908	913
8 Q	913	923	925	931	934	941	950	940	934	931	930	930	924	923	931	925	914	894	887	887	894	903	909	912	920
9	923	925	928	934	934	939	937	933	930	925	933	933	927	942	936	923	896	908	894	886	910	909	931	941	924
10 D	949	1037	1223	1107	1080	1013	902	764	474	713	427	591	521	439	447	874	825	691	731	873	927	901	938	1000	810
11 D	1128	1114	1285	1159	1024	741	701	701	771	552	681	734	751	719	740	825	879	830	801	867	903	1031	1062	1193	883
12	1066	919	880	895	901	916	900	847	713	866	944	857	396	466	717	678	635	792	882	852	851	892	916	909	820
13	929	1001	953	948	920	903	902	899	894	887	854	762	775	873	905	909	899	888	877	880	878	884	896	889	892
14 D	896	905	972	1056	1042	917	966	800	371	557	575	635	716	716	839	918	844	886	915	865	1035	1058	1098	1141	863
15 D	1066	1032	1089	1100	1058	925	836	571	-503	-221	129	-040	456	666	894	911	911	909	890	883	909	909	927	909	717
16 D	941	997	1030	1053	916	1105	963	528	557	523	724	688	915	921	902	886	881	873	862	880	934	909	908	900	866
17	917	907	917	920	918	919	923	933	844	923	917	915	857	868	850	855	815	831	883	880	902	923	925	949	895
18	998	959	922	934	924	943	758	754	874	903	875	849	799	769	860	914	904	891	881	884	888	899	906	907	883
19 Q	909	912	912	912	912	916	917	919	918	917	916	920	919	902	905	916	909	903	891	892	895	907	911	915	910
20	920	925	927	927	928	928	927	925	917	886	905	916	919	919	823	831	894	894	892	899	907	904	912	922	906
21	913	943	1023	1023	1014	1011	980	866	678	539	616	690	600	708	933	917	891	880	891	858	898	927	931	923	861
22	990	931	937	932	952	948	907	883	783	738	869	869	501	683	860	882	835	851	863	895	905	916	1022	1099	877
23	1051	1020	1023	997	1051	981	840	816	899	785	499	581	616	699	760	857	861	855	879	900	903	889	906	906	857
24	906	912	910	918	925	922	918	918	913	913	895	868	867	883	898	907	863	863	884	900	903	893	893	903	899
25	920	924	918	928	939	934	939	924	863	783	816	897	738	150	628	935	935	899	895	895	899	904	912	909	854
26 Q	912	910	939	941	929	928	926	924	922	921	921	921	920	920	918	913	901	884	884	885	895	900	907	914	
27	917	923	929	933	941	942	937	932	935	928	927	921	921	919	916	911	903	901	905	902	881	883	902	953	919
28	1087	1063	961	922	943	932	940	945	832	777	877	916	906	910	914	922	921	910	909	906	908	907	907	908	922
29	912	921	921	926	942	940	943	945	934	928	926	928	926	924	924	926	924	905	871	898	905	900	900	912	920
30	926	932	944	967	963	947	926	924	916	914	852	875	906	910	919	919	926	926	922	916	916	906	909	913	920
31																									
Mean	950	950	966	963	954	938	913	870	795	797	811	818	809	810	862	894	882	877	879	885	902	911	926	941	888

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 42 Meanook

D = 24° E + ...'

November 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	19.0	20.6	20.9	25.4	26.9	20.1	21.2	23.5	24.0	24.0	25.0	25.1	25.8	27.9	26.8	27.4	27.7	27.2	28.1	25.6	22.5	21.7	21.0	20.3	24.1
2	19.3	20.5	22.9	22.5	22.5	22.5	23.5	24.0	25.8	25.0	28.0	27.9	27.1	29.0	31.8	33.7	28.2	28.9	25.1	22.0	21.3	20.0	19.1	17.3	24.5
3	17.1	22.0	22.4	21.0	22.5	27.6	29.2	24.9	23.0	30.3	21.0	28.9	28.5	30.9	28.4	28.9	32.3	32.3	26.9	24.9	20.5	19.2	21.3	20.1	25.2
4	19.4	23.3	24.8	23.2	23.7	23.1	25.9	22.4	26.4	23.5	22.0	22.7	24.7	26.5	28.4	30.6	32.5	32.8	28.1	23.4	21.9	20.9	20.0	20.5	24.6
5 Q	19.8	22.2	21.3	22.2	23.0	22.6	22.8	22.9	23.0	23.9	24.5	25.2	26.0	26.9	28.8	32.8	34.3	33.4	26.9	23.9	21.5	20.5	19.1	20.8	24.5
6	21.7	21.9	20.8	20.8	27.4	23.5	24.0	23.3	25.4	25.2	26.9	27.2	24.5	27.8	30.8	31.7	28.8	22.5	23.1	22.3	21.7	21.1	18.3	17.2	24.1
7 Q	21.5	21.0	23.0	24.5	24.7	22.4	23.8	23.3	23.2	23.2	24.1	24.6	25.1	25.9	27.7	30.8	33.5	33.2	30.0	26.6	23.5	21.3	21.0	21.5	25.0
8 Q	21.7	22.0	22.5	22.9	22.9	23.5	22.0	21.8	21.7	23.0	24.0	25.0	25.4	26.0	28.1	31.0	34.2	33.7	29.7	25.7	22.7	21.1	21.7	21.7	24.8
9	21.5	21.8	21.4	22.0	21.9	22.8	22.9	23.0	23.9	23.9	25.4	28.1	24.4	25.9	27.9	30.8	28.9	27.8	26.4	25.3	22.5	19.1	17.5	16.4	23.8
10 D	15.1	14.7	17.3	16.6	26.4	22.1	14.7	26.8	24.5	31.9	48.2	51.2	55.8	41.6	29.4	28.2	32.6	25.9	12.7	15.4	27.2	26.7	25.4	24.3	27.3
11 D	28.6	18.6	04.5	14.7	10.7	18.8	37.7	27.7	25.4	25.4	37.7	36.2	36.7	36.7	30.9	35.2	36.5	35.2	31.3	22.2	26.9	26.9	18.9	21.0	26.5
12	26.8	25.0	27.4	26.2	27.7	27.0	26.0	30.3	44.1	30.0	24.5	33.3	48.5	39.7	33.9	14.5	05.4	22.3	20.2	14.7	19.3	23.5	24.2	23.4	26.6
13	23.3	28.9	23.9	24.2	26.1	24.6	24.9	24.5	24.8	25.4	25.0	25.4	21.5	24.5	29.2	31.9	32.2	31.3	28.9	26.2	25.3	24.9	23.5	23.5	26.0
14 D	22.9	23.2	40.1	30.3	20.2	37.4	14.2	02.5	00.2	23.0	57.3	31.8	34.7	30.9	26.9	31.1	36.7	26.4	26.9	37.2	49.0	43.1	41.6	39.9	30.3
15 D	24.2	08.6	06.1	04.9	-11.8	02.9	12.7	14.6	24.9	37.4	43.4	55.3	55.3	41.1	30.0	31.4	31.3	30.3	28.7	24.5	28.1	27.4	27.7	25.9	25.2
16 D	29.4	47.2	27.4	22.2	14.7	22.0	22.0	12.6	24.0	59.3	39.2	25.4	28.9	28.9	29.4	28.9	31.5	32.2	28.1	26.2	26.2	23.8	22.3	23.5	28.1
17	23.5	23.5	23.5	23.5	23.7	23.8	23.5	27.8	25.0	27.3	25.2	27.7	31.1	28.4	24.5	19.7	22.5	14.2	23.0	20.1	21.0	20.7	23.0	23.2	23.7
18	20.5	23.1	24.9	26.4	26.8	22.4	03.4	14.7	20.1	22.5	23.0	23.3	24.1	26.7	25.9	29.3	31.1	29.6	26.0	21.5	22.0	22.0	22.7	24.3	23.2
19 Q	23.9	23.9	23.9	24.1	24.1	23.4	23.0	22.9	22.8	23.9	24.0	24.0	25.6	24.9	24.9	28.7	29.2	27.9	25.9	24.0	22.9	22.2	22.0	22.5	24.4
20	23.0	23.0	23.9	23.7	23.5	23.0	22.9	23.0	24.5	26.4	29.9	29.2	28.9	29.7	13.7	08.8	26.9	29.9	21.0	19.6	20.4	22.0	22.1	21.2	23.3
21	19.1	18.0	19.8	21.0	22.3	27.9	27.8	39.7	02.5	32.8	34.7	48.0	75.9	30.3	26.9	30.3	28.6	25.4	24.1	18.1	17.3	17.2	21.0	19.1	27.0
22	24.0	23.0	24.0	23.9	24.9	27.9	26.8	22.5	23.5	22.0	25.8	27.8	35.7	46.5	32.3	27.9	20.5	20.5	18.1	14.4	22.9	23.7	21.0	19.1	24.9
23	20.9	20.9	24.9	21.5	24.9	24.9	11.7	26.9	27.8	31.8	16.1	33.3	34.3	31.8	27.8	22.5	22.5	17.0	17.1	19.6	21.5	21.6	23.5	23.5	23.6
24	24.0	24.9	24.9	25.1	24.0	23.1	24.1	23.5	23.0	24.0	24.9	21.9	25.4	25.9	27.5	29.0	22.0	25.4	15.5	19.2	22.9	22.0	21.6	21.6	23.6
25	20.1	20.6	22.5	24.9	25.0	24.0	27.1	27.4	24.0	29.9	36.2	30.3	31.8	40.6	34.3	36.6	36.6	35.7	27.4	24.8	23.1	23.0	22.1	21.2	27.9
26 Q	19.0	22.5	20.6	23.9	24.9	24.9	24.1	24.1	24.0	24.2	24.7	24.9	25.2	25.2	26.2	27.4	28.6	28.9	27.9	26.8	25.8	22.9	21.0	20.9	24.5
27	20.9	21.5	22.1	22.0	20.5	19.1	20.7	22.1	22.1	23.0	26.0	25.9	25.1	25.1	25.9	27.9	28.9	27.9	27.0	25.9	24.0	21.2	18.1	18.8	23.4
28	20.8	21.2	20.5	24.0	24.9	25.6	25.8	25.1	25.7	24.0	39.0	34.7	32.7	28.4	27.0	29.4	29.9	28.8	25.4	21.9	21.9	21.7	21.7	21.7	25.9
29	22.9	22.0	22.0	22.9	20.1	20.5	21.0	22.0	22.7	24.0	25.4	25.9	26.1	25.7	26.4	27.4	27.8	32.3	23.0	19.1	21.3	21.3	21.5	21.0	23.5
30	22.9	22.9	20.0	17.6	27.6	20.1	21.9	23.1	24.9	24.9	22.1	24.9	25.4	25.8	26.0	27.0	27.7	28.9	25.1	24.9	24.0	23.1	23.0	22.1	24.0
31																									
Mean	21.9	22.4	21.8	22.2	22.2	23.1	22.4	23.1	23.2	27.2	29.1	29.8	32.0	30.2	27.9	28.4	29.0	28.3	24.9	22.9	23.7	22.9	22.2	21.9	25.1

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 43 Meanook

Z = 58,000 γ +

November 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	753	757	757	783	772	782	776	764	745	735	732	730	725	721	713	701	711	722	730	733	743	740	735	732	741	
2	732	730	730	730	729	729	727	725	721	725	709	684	709	714	721	730	721	721	724	727	729	732	730	734	723	
3	759	753	750	747	762	762	756	746	719	563	550	625	678	712	737	737	737	732	734	738	745	740	745	745	720	
4	742	759	752	743	732	732	721	707	727	743	725	721	721	724	730	739	743	737	736	736	736	735	735	730	734	
5 Q	730	730	732	732	732	732	727	723	721	725	726	723	724	725	727	732	731	725	722	727	732	732	731	722	728	
6	724	725	729	739	749	739	732	726	692	694	727	721	722	721	721	717	701	701	718	730	743	743	739	747	725	
7 Q	756	758	747	752	747	738	732	725	724	721	729	724	725	725	729	735	737	732	792	814	813	814	810	803	753	
8 Q	803	803	803	803	805	805	799	822	812	804	801	801	792	789	800	804	810	813	811	812	808	804	804	803	805	
9	803	803	805	807	807	808	808	808	807	798	794	795	795	800	803	801	797	805	803	805	811	805	804	804	803	
10 D	836	903	800	811	850	829	730	695	847	769	800	603	552	695	673	706	727	684	760	854	835	831	850	853	771	
11 D	736	637	706	639	666	655	749	842	865	899	821	792	824	813	752	768	810	800	803	826	860	899	882	808	786	
12	886	868	838	839	839	848	831	751	753	825	864	800	807	700	630	727	749	833	901	866	851	852	857	860	816	
13	866	879	901	898	866	844	833	833	822	814	791	736	720	760	811	827	824	822	822	823	824	826	834	826	825	
14 D	825	825	857	896	764	652	784	784	652	714	834	881	746	746	800	815	795	811	839	836	885	891	817	684	797	
15 D	684	695	833	836	630	773	822	850	407	815	1303	1183	981	863	818	836	831	824	836	846	844	836	860	890	837	
16 D	926	896	944	856	727	771	729	782	515	629	864	851	838	838	835	835	837	827	811	825	842	838	846	836	812	
17	839	831	831	826	825	826	833	779	732	834	842	827	774	761	732	735	768	792	828	842	853	857	868	869	813	
18	881	877	868	855	854	863	706	790	771	812	788	782	760	760	785	816	825	829	829	825	825	826	826	826	816	
19 Q	823	816	815	815	815	815	814	814	814	804	804	805	809	791	783	801	803	809	814	816	816	816	816	816	810	
20	814	814	814	814	814	814	813	813	816	722	739	782	791	790	726	644	721	772	792	796	814	814	817	825	786	
21	837	873	895	885	918	894	814	630	557	717	657	565	538	752	837	837	833	825	846	842	842	854	860	875	791	
22	868	847	836	836	857	833	807	773	714	611	711	727	581	605	642	706	752	782	812	831	847	868	887	867	775	
23	881	879	846	857	881	868	746	810	814	771	811	638	446	657	695	732	773	789	790	817	821	814	824	825	783	
24	825	825	821	827	824	825	818	818	809	809	792	749	747	763	770	797	768	771	782	801	821	824	824	825	801	
25	834	833	833	826	823	815	813	749	803	749	735	790	657	646	652	764	797	803	814	814	816	817	817	815	784	
26 Q	824	834	843	824	815	815	813	812	812	812	812	812	808	808	809	813	814	814	813	818	817	815	814	814	816	
27	812	812	812	812	814	825	842	838	835	821	818	810	809	809	809	810	804	799	805	811	811	813	825	868	818	
28	863	857	857	830	840	844	812	813	803	771	786	811	803	803	812	814	811	801	803	803	803	809	811	811	815	
29	812	814	813	813	821	824	833	824	814	809	808	804	803	803	803	800	800	798	804	814	816	813	814	814	811	
30	814	808	816	844	868	836	823	817	814	803	760	782	788	782	796	799	808	805	801	800	803	807	808	812	808	
31																										
Mean	810	808	813	809	798	796	785	779	748	761	788	768	739	752	755	769	778	783	796	804	810	812	813	808	787	

MEANOOK MAGNETIC OBSERVATORY, 1956

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook

November 1956

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range
	12,000 γ +		12,000 γ +			24° E +		24° E +			58,000 γ +		58,000 γ +		
h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ	
1	06 40	974	14 55	821	153	17 04	31.8	06 55	10.3	21.5	17 15	753	14 56	685	68
2	00 54	946	19 10	855	91	15 24	37.6	23 14	7.4	30.2	15 33	742	11 27	659	83
3	05 50	988	09 52	690	298	09 58	41.4	10 20	-1.8	43.2	05 50	791	10 10	456	335
4	07 20	957	19 46	874	83	15 26	30.3	07 27	5.2	25.1	01 27	773	07 28	674	99
5 Q	06 10	938	19 27	874	64	16 20	32.4	22 23	10.6	21.8	04 08	737	08 41	712	25
6	08 10	959	20 58	865	94	15 22	30.9	23 45	9.8	21.1	04 33	766	09 00	645	121
7 Q	04 58	943	19 12	856	87	17 22	31.2	01 38	13.4	17.8	01 46	772	09 01	711	61
8 Q	06 08	977	19 08	884	93	16 50	32.0	06 35	10.5	21.5	07 10	826	06 32	767	59
9	20 37	1002	20 32	817	185	15 54	29.1	23 25	6.0	23.1	20 39	856	20 32	772	84
10 D	02 11	1348	14 02	-80	1428	13 38	92.4	03 00	-37.8	130.2	10 34	1054	14 24	461	593
11 D	02 21	1677	09 50	375	1302	06 12	74.4	02 24	-46.9	121.3	09 36	1143	05 10	123	1020
12	00 03	1335	12 58	29	1306	13 01	95.5	16 32	-14.0	109.5	10 12	908	08 01	522	386
13	01 50	1104	11 08	708	396	01 57	41.9	12 35	12.6	29.3	03 34	942	12 46	681	261
14 D	04 35	1224	09 15	287	937	11 40	97.2	07 30	-34.5	131.7	02 26	954	09 01	501	453
15 D	02 28	1210	08 26	-649	1859	01 42	133.2	09 58	-68.8	202.0	12 02	1216	08 40	339	877
16 D	04 08	1325	06 55	-249	1574	09 44	90.1	08 23	-40.4	130.5	06 55	1086	08 20	177	909
17	23 59	972	12 50	776	196	08 33	46.1	08 04	9.4	36.7	09 35	868	07 53	652	216
18	00 51	1053	06 57	467	586	06 10	42.7	06 18	-27.2	69.9	01 08	919	06 16	502	417
19 Q	10 35	929	13 56	878	51	16 41	31.9	10 51	20.4	11.5	21 05	822	13 59	761	61
20	12 36	946	14 47	722	216	13 04	37.5	15 00	-3.0	40.5	23 05	839	15 00	614	225
21	03 13	1144	08 53	282	862	12 03	111.0	08 27	-25.2	136.2	04 09	968	12 19	427	541
22	00 17	1085	12 54	258	827	12 00	93.1	12 30	3.9	89.2	00 15	941	12 41	444	497
23	04 06	1130	10 25	283	847	12 20	51.5	06 45	3.7	47.8	04 04	945	12 15	306	639
24	15 20	934	12 55	821	113	12 57	36.0	19 03	10.7	25.3	03 32	837	11 40	723	114
25	14 10	1310	13 43	-242	1552	13 37	96.2	13 52	-13.8	110.0	13 42	848	12 52	436	412
26 Q	03 10	950	20 05	879	71	16 44	32.1	00 16	15.2	16.9	02 09	868	13 30	803	65
27	23 59	1091	20 37	866	225	16 35	32.5	23 59	9.8	22.7	23 55	978	17 40	600	378
28	00 54	1175	09 21	731	444	10 07	42.9	00 05	1.8	41.1	00 01	943	09 26	691	252
29	05 27	951	18 35	838	113	17 25	38.7	05 00	12.9	25.8	05 20	846	05 40	797	49
30	04 45	998	10 53	748	250	04 34	37.2	10 48	9.9	27.3	04 47	877	10 56	673	204
31															
Mean		1086		542	544		55.0		-4.3	59.3		894		577	317
No. days		30		30	30		30		30	30		30		30	30

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 45 Meanook

$H = 12,000 \gamma +$

December 1956

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	921	921	921	929	928	929	927	925	922	928	925	920	920	920	909	912	928	929	914	907	901	905	917	929	920
2	944	938	933	920	930	930	930	927	927	811	826	872	913	930	930	920	886	883	906	894	883	905	914	917	907
3	935	936	943	952	949	942	938	933	922	905	878	801	889	921	912	905	905	902	887	890	870	891	902	913	909
4	922	925	935	944	937	929	925	927	921	928	921	912	914	921	925	925	906	897	891	888	893	898	912	922	917
5	940	941	935	940	924	928	920	932	925	936	932	932	920	913	913	908	905	901	898	886	886	894	904	911	918
6	915	918	919	915	931	927	924	903	920	901	924	924	920	925	908	889	913	910	896	889	893	912	918	935	914
7	925	922	923	934	947	936	928	927	942	917	917	926	928	926	927	923	907	876	884	888	889	900	903	904	917
8	920	929	926	921	922	919	913	819	891	666	666	764	787	921	937	937	934	918	917	902	883	895	913	912	880
9	919	920	921	921	921	923	922	909	890	898	914	916	909	895	905	934	934	929	916	903	894	902	912	921	914
10 D	933	933	945	988	996	992	996	972	833	851	746	686	678	828	827	826	905	917	911	898	913	929	886	929	888
11 Q	936	937	932	928	934	932	929	921	918	920	921	920	920	921	921	924	920	915	904	904	905	903	905	913	920
12	919	921	924	925	925	926	925	921	907	865	921	921	924	920	916	901	880	889	890	818	853	882	894	948	905
13 D	937	943	932	929	927	924	913	893	712	838	842	748	724	834	846	869	916	920	913	916	905	901	908	912	879
14	904	904	926	913	924	936	913	912	902	846	830	921	928	926	921	910	920	911	904	902	904	901	898	908	907
15 Q	908	917	919	916	915	911	904	904	897	893	903	911	916	924	920	916	918	919	909	901	897	895	901	907	909
16 Q	908	913	913	915	916	913	911	906	900	904	916	927	921	920	919	915	915	908	904	904	904	902	905	913	911
17 Q	916	916	916	915	915	910	905	890	912	922	928	928	928	929	921	919	912	908	906	904	905	910	908	913	914
18	920	922	922	922	918	914	915	916	920	904	906	927	933	909	910	937	937	933	928	921	917	917	917	922	920
19	928	929	933	933	934	934	932	933	926	925	925	923	941	937	933	929	925	921	907	907	907	909	912	912	925
20	918	929	926	926	923	919	918	908	906	899	890	895	914	934	934	929	914	918	914	910	912	915	915	923	916
21 Q	930	932	930	929	931	936	934	934	934	934	934	939	939	939	939	937	930	929	926	918	918	918	923	929	931
22	934	929	924	922	923	946	942	937	928	918	923	918	903	883	942	942	937	930	922	913	907	911	915	930	924
23	934	934	931	931	931	931	929	923	931	928	905	903	937	934	938	938	931	923	912	903	899	904	910	922	923
24	935	949	972	959	977	969	953	938	935	931	928	923	939	939	938	938	934	923	907	895	898	911	915	926	935
25 D	928	939	942	939	939	939	939	939	934	934	887	761	849	882	920	929	898	863	897	905	874	903	923	908	
26	938	961	970	976	970	953	977	931	769	903	898	913	931	930	926	927	926	929	915	906	893	893	901	915	923
27	922	922	923	930	935	934	924	923	923	922	904	889	907	915	920	900	885	868	877	867	846	916	914	919	908
28 D	940	1025	936	929	931	932	936	907	985	979	928	931	841	625	720	907	927	914	919	908	922	919	916	919	908
29	915	929	939	934	959	954	946	930	912	841	877	915	923	921	910	914	920	914	902	901	895	903	903	918	916
30 D	923	921	934	934	934	934	886	796	921	874	856	727	874	934	934	921	921	923	918	904	896	904	909	917	900
31	930	928	923	927	931	932	927	923	923	923	926	920	904	907	934	930	923	920	913	908	902	904	910	918	920
Mean	926	932	931	932	935	933	928	915	906	895	891	888	893	904	910	916	918	912	906	898	897	904	908	919	912

MEANOOK MAGNETIC OBSERVATORY, 1956

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Meenook

D = 24° E + ...'

December 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	21.0	22.0	22.5	23.0	23.0	23.0	24.0	24.0	24.0	24.9	24.9	24.9	24.5	27.9	26.9	24.9	28.4	26.4	25.6	24.1	24.5	20.1	21.1	18.3	23.9
2	21.0	15.5	19.2	23.5	24.0	24.0	24.1	23.0	24.1	17.1	17.0	30.8	25.0	23.1	25.8	30.8	26.9	22.5	20.1	22.0	17.1	16.1	17.1	18.2	22.0
3	15.2	15.1	22.1	23.0	22.5	19.1	22.0	24.0	24.0	26.4	24.0	24.0	19.1	27.9	28.4	27.9	30.3	29.9	26.9	25.6	23.0	19.6	19.1	21.0	23.3
4	20.5	19.2	25.8	24.0	23.9	24.5	24.5	25.9	24.9	23.0	24.0	26.9	23.5	25.4	24.9	27.8	32.3	31.7	26.9	24.0	22.3	23.0	23.1	20.0	24.7
5	20.0	19.2	21.0	22.0	24.0	23.9	24.9	24.9	23.1	25.9	24.9	25.0	26.9	24.9	24.0	23.5	20.1	24.9	23.5	24.0	22.9	21.1	22.0	21.5	23.3
6	21.1	21.5	22.0	26.4	24.9	23.9	24.0	24.9	24.9	19.6	24.9	24.0	25.9	27.4	24.5	20.0	26.0	25.4	23.6	22.0	22.0	20.8	17.1	19.6	23.2
7	20.0	23.0	24.0	24.9	24.5	25.0	24.0	26.8	24.1	24.0	24.0	24.6	25.9	24.0	26.4	28.9	30.3	22.1	20.1	21.0	22.0	22.0	22.0	22.8	24.0
8	24.0	24.0	23.1	24.0	24.9	29.9	27.9	31.8	29.9	26.9	50.4	34.7	19.6	24.5	26.0	29.0	29.4	29.8	27.4	24.9	20.1	20.9	21.0	22.0	26.9
9	23.0	23.1	23.0	24.0	24.1	25.8	24.9	25.9	28.8	30.9	27.9	26.8	25.9	21.1	21.0	26.9	30.8	28.4	27.6	25.9	23.1	21.0	19.5	20.1	25.0
10 D	16.1	17.2	22.6	26.8	19.1	24.9	25.0	32.8	15.1	31.8	35.3	40.5	49.9	43.1	34.3	29.4	28.8	28.9	27.3	23.9	20.9	18.0	18.1	17.6	27.0
11 Q	18.1	22.0	24.0	25.5	26.0	24.9	24.5	24.5	24.9	24.9	24.9	24.1	24.6	25.4	25.8	27.4	29.0	28.9	27.4	27.4	25.0	24.1	23.0	23.0	25.0
12	23.1	23.0	23.5	23.5	23.9	24.0	23.9	24.0	24.9	27.0	26.8	27.9	27.4	25.4	23.1	24.9	22.0	25.4	23.5	16.1	09.8	16.1	18.1	13.2	22.5
13 D	21.5	22.5	22.5	24.0	24.9	24.9	24.9	24.9	27.9	31.2	29.4	31.9	34.7	19.1	19.1	17.6	25.4	28.0	26.9	25.0	23.9	21.1	22.0	21.5	24.8
14	21.5	22.1	22.9	24.9	26.9	28.9	27.4	25.9	24.9	23.0	34.7	29.0	28.4	27.4	26.9	24.0	26.9	25.9	24.5	25.5	23.1	23.5	23.5	22.5	25.6
15 Q	22.5	22.5	22.0	23.0	23.0	23.0	24.5	25.0	27.4	29.9	25.4	24.9	24.0	25.4	25.0	25.9	27.9	28.4	28.9	25.9	24.9	23.9	24.0	23.0	25.0
16 Q	24.0	23.5	23.9	24.0	21.9	21.0	22.0	24.9	25.9	25.9	24.5	25.3	25.4	25.4	25.4	25.9	26.8	26.9	27.4	26.8	25.4	24.0	23.0	23.4	24.7
17 Q	23.1	23.9	23.5	23.5	22.5	22.0	23.0	23.0	28.9	26.4	25.9	25.0	25.8	25.2	25.4	25.9	27.9	28.3	26.8	24.1	22.5	22.3	22.5	22.5	24.6
18	23.2	24.0	23.5	23.5	23.0	22.5	24.0	23.9	26.3	23.9	25.9	31.8	27.4	29.5	23.0	28.4	25.9	22.0	22.0	23.0	21.5	20.3	21.1	22.0	24.2
19	22.0	22.5	22.5	23.0	24.0	23.5	22.4	22.5	23.9	24.5	24.0	24.5	24.5	24.9	24.9	26.0	28.8	27.9	23.0	22.3	21.2	20.5	20.0	20.0	23.5
20	21.0	22.0	23.0	24.0	24.0	24.0	22.5	23.4	26.8	24.0	25.9	30.3	24.5	26.9	24.9	25.9	24.9	23.4	23.0	22.9	21.0	20.5	21.5	21.5	23.8
21 Q	22.5	22.5	23.0	24.0	24.5	24.5	24.0	23.6	24.0	23.0	23.0	24.1	24.5	24.9	25.9	26.4	27.0	26.4	24.9	23.0	21.0	20.5	20.5	21.1	23.7
22	22.0	22.0	22.9	21.6	23.0	23.5	24.5	23.1	24.0	21.0	27.8	28.9	29.9	22.0	23.0	24.5	26.9	27.9	24.9	24.0	22.1	21.1	21.0	21.0	23.9
23	22.0	22.0	22.4	23.0	23.9	24.0	24.0	23.7	24.1	25.9	24.5	22.2	25.9	24.9	24.0	25.9	28.9	28.9	28.9	25.9	23.0	21.0	21.1	19.6	24.2
24	19.2	20.1	20.1	17.2	22.0	22.1	26.8	25.4	24.0	24.0	24.0	24.5	23.5	23.0	24.0	24.9	26.0	29.9	29.8	24.0	20.1	20.1	19.1	19.2	23.1
25 D	20.0	21.0	22.0	23.0	22.5	21.9	24.9	24.1	24.9	28.9	26.4	32.8	34.7	29.9	29.8	23.9	34.3	33.8	20.1	22.0	21.0	22.5	19.1	19.2	25.1
26	16.6	18.1	13.1	15.6	24.9	22.0	21.0	23.0	26.9	25.9	27.0	24.0	21.0	22.5	24.5	25.9	27.4	27.9	26.9	25.9	23.5	21.9	21.0	21.0	22.8
27	22.0	22.0	22.9	23.1	23.0	22.9	22.0	26.9	26.9	26.4	24.9	29.9	27.9	28.0	26.4	26.4	30.8	40.7	17.6	21.1	16.1	18.0	20.0	22.0	24.5
28 D	21.6	22.0	21.0	23.0	23.1	23.0	24.5	28.9	22.8	23.0	24.0	24.0	24.9	14.2	22.0	29.9	30.3	29.8	28.9	25.0	25.4	24.0	23.1	23.1	24.2
29	23.0	22.0	22.5	22.1	22.1	24.0	27.9	25.6	26.9	21.1	24.1	28.9	24.0	24.0	24.9	24.0	28.4	29.9	27.5	27.5	25.8	22.5	21.0	21.1	24.6
30 D	21.0	22.0	21.7	22.9	23.0	23.0	24.1	24.1	30.0	28.9	27.8	45.0	32.9	28.9	25.8	27.4	29.8	29.9	27.5	25.4	21.9	19.1	19.2	21.0	25.9
31	20.9	20.0	22.0	24.1	24.9	24.5	24.0	24.0	23.9	23.1	24.2	26.4	21.0	24.1	26.9	27.2	28.8	28.9	27.4	26.0	24.1	22.5	21.3	21.1	24.2
Mean	21.1	21.3	22.3	23.2	23.6	23.8	24.3	25.1	25.3	25.2	26.6	28.0	26.6	25.5	25.3	26.0	28.0	28.0	25.4	24.1	21.9	21.0	20.8	20.7	24.3

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook

$z = 58,000 \gamma +$

December 1956

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	814	814	814	814	814	814	814	810	803	802	799	792	786	787	777	782	797	799	802	803	807	808	814	825	804	
2	837	857	862	851	829	821	823	815	803	727	751	766	792	803	814	808	797	792	803	814	810	810	816	817	809	
3	827	839	851	831	821	823	823	821	809	788	765	695	744	782	792	801	810	803	802	814	814	814	809	814	804	
4	814	820	852	837	820	813	809	798	794	797	787	788	787	788	798	808	803	803	803	803	812	810	810	820	807	
5	824	873	825	822	818	824	820	816	791	803	809	809	797	791	787	778	783	781	797	803	810	810	810	811	808	
6	813	812	815	824	825	824	814	787	782	748	781	804	803	798	771	744	776	786	795	801	821	863	851	842	803	
7	827	820	818	821	824	825	814	824	829	808	803	807	803	810	808	808	808	799	809	813	814	820	820	825	815	
8	830	825	815	814	814	810	770	680	753	652	542	672	694	756	798	809	809	809	809	810	815	814	824	816	772	
9	824	808	810	815	818	815	810	777	727	743	770	781	771	755	761	798	803	799	808	810	814	812	814	827	795	
10 D	830	841	853	851	917	886	841	803	743	797	786	782	727	744	776	721	775	797	803	810	814	825	827	847	808	
11 Q	841	830	821	816	814	815	820	821	820	818	814	810	814	814	814	814	809	809	808	807	808	808	810	813	815	
12	813	813	813	813	813	813	809	809	795	732	775	792	797	798	792	776	764	771	794	782	797	829	844	847	799	
13 D	841	834	836	836	846	840	834	834	679	765	760	732	621	646	717	733	782	800	809	814	820	814	815	823	785	
14	830	836	851	836	837	825	818	820	797	721	711	776	800	803	803	799	809	803	803	809	814	816	816	821	806	
15 Q	822	816	821	821	825	824	824	809	776	755	769	776	786	789	792	801	810	808	803	803	809	814	814	813	803	
16 Q	812	812	810	810	815	824	824	825	813	792	781	787	803	808	809	809	809	809	810	813	814	814	814	814	810	
17 Q	812	812	812	810	813	813	814	805	805	805	810	812	809	809	809	809	809	809	812	809	809	809	809	809	810	
18	805	805	807	807	807	807	804	805	813	781	751	775	798	771	717	765	783	782	792	797	798	802	803	803	791	
19	803	801	802	802	802	802	799	799	799	797	782	775	792	798	798	798	799	799	798	803	803	803	808	807	799	
20	812	811	808	808	810	808	808	787	774	756	707	738	751	771	797	797	797	787	787	792	792	798	801	801	787	
21 Q	803	797	798	798	799	799	801	798	787	792	790	792	792	791	790	797	794	794	791	792	792	792	794	798	795	
22	798	798	800	810	830	847	825	808	798	701	756	765	749	727	765	784	792	792	797	797	797	797	747	797	789	
23	797	797	797	797	797	797	797	799	788	785	765	745	764	786	791	792	792	792	792	792	792	792	796	797	789	
24	803	803	825	840	841	862	838	816	803	799	792	786	782	792	798	798	798	787	792	792	797	797	801	799	806	
25 D	792	795	803	801	803	814	831	814	812	830	803	727	667	643	717	765	786	764	764	778	786	792	811	814	780	
26	823	843	855	855	868	836	851	814	635	766	749	775	792	798	798	803	803	803	801	801	801	801	801	801	803	
27	798	798	798	798	799	808	810	814	803	792	771	733	737	733	744	749	738	760	775	812	790	790	808	797	781	
28 D	823	885	829	809	802	801	809	782	834	831	820	810	734	663	630	685	749	765	795	795	803	800	800	800	786	
29	797	814	849	833	837	836	836	810	788	697	725	761	779	782	782	799	800	795	795	801	803	803	803	810	797	
30 D	803	804	804	803	803	803	749	737	770	760	727	606	717	777	808	801	797	788	788	794	798	801	801	808	777	
31	808	808	816	824	813	803	801	801	794	784	795	782	751	775	799	799	799	797	795	798	797	797	797	797	797	
Mean	815	820	822	820	822	820	814	801	784	772	766	766	766	771	779	785	793	793	798	802	805	808	811	813	798	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook

December 1956

Day	Horizontal Intensity						Declination					Vertical Intensity									
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +		Minimum 24° E +		Range	Maximum 58,000 γ +		Minimum 58,000 γ +		Range					
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'		h.	m.	γ	h.		m.	γ	γ		
1	16	48	942	20	20	888	54	16	45	31.3	23	27	14.2	17.1	14	02	844	23	28	763	81
2	00	46	997	10	10	739	258	01	40	37.0	01	28	9.2	27.8	00	36	888	09	32	664	224
3	06	00	972	11	32	770	202	16	30	36.6	01	10	11.5	25.1	05	55	876	11	25	670	206
4	03	24	961	17	47	876	85	02	17	35.4	02	40	14.2	21.2	02	25	891	11	54	771	120
5	01	16	964	19	58	878	86	08	14	30.3	01	19	9.0	21.3	01	30	922	08	23	767	155
6	10	50	939	15	00	863	76	07	57	31.0	15	07	13.7	17.3	21	28	887	15	33	709	178
7	14	28	971	17	45	861	110	15	28	34.9	17	48	16.8	18.1	08	09	846	09	56	790	56
8	14	02	956	10	30	472	484	10	17	61.2	09	22	12.3	48.9	00	31	835	10	20	414	421
9	15	47	943	08	19	834	109	09	23	34.8	14	13	17.5	17.3	23	45	833	08	19	687	146
10 D	06	55	1044	12	10	470	574	12	26	64.6	08	11	-13.8	78.4	04	24	945	11	42	557	388
11 Q	01	18	950	21	02	894	56	17	05	31.3	00	15	15.6	15.7	00	18	853	17	02	803	50
12	23	38	965	19	30	792	173	12	01	29.8	21	41	1.9	27.9	23	58	870	09	37	700	170
13 D	16	27	949	08	03	574	375	08	52	63.6	08	05	-34.5	98.1	07	47	855	08	25	541	314
14	05	35	957	09	52	794	163	10	40	41.6	09	38	15.6	26.0	02	31	857	09	55	645	212
15 Q	13	43	932	09	10	880	52	09	40	33.3	23	28	21.7	11.6	05	07	834	09	32	736	98
16 Q	12	40	930	08	30	896	34	19	31	28.1	05	43	18.6	9.5	07	43	835	10	35	767	68
17 Q	11	56	933	07	31	878	55	08	16	32.4	07	26	25.2	7.2	08	37	823	08	55	792	31
18	11	47	949	14	07	874	75	11	17	35.1	14	08	11.7	23.4	08	28	823	15	19	673	150
19	11	40	939	22	37	901	38	17	24	30.1	23	49	17.6	12.5	22	22	814	12	17	760	54
20	13	36	941	10	31	875	66	11	12	33.7	10	02	15.1	18.6	04	52	817	10	25	681	136
21 Q	12	07	945	03	12	919	26	15	35	28.4	21	30	18.7	9.7	00	50	807	10	37	781	26
22	05	43	958	13	29	847	111	12	16	42.4	09	50	14.7	27.7	05	16	860	09	29	618	242
23	13	40	946	10	56	872	74	16	50	30.8	23	15	18.6	12.2	07	47	807	11	41	729	78
24	04	17	990	20	05	882	108	17	16	31.5	02	58	10.8	20.7	05	44	870	12	05	762	108
25 D	12	28	1019	12	21	543	476	12	05	63.1	12	30	14.0	49.1	09	19	858	12	48	536	322
26	04	00	1013	12	20	574	439	08	46	53.6	09	18	-4.2	57.8	03	55	911	08	16	457	454
27	21	04	967	20	55	784	183	17	18	47.1	22	05	7.9	39.2	19	12	833	10	59	700	133
28 D	01	39	1004	13	31	505	499	14	34	41.1	13	44	3.1	38.0	02	37	925	14	31	576	349
29	02	30	992	09	30	745	247	11	40	31.7	09	18	11.9	19.8	02	25	889	09	26	641	248
30 D	10	27	957	07	12	622	335	11	36	58.8	07	25	5.6	53.2	07	29	835	11	44	513	322
31	14	07	942	12	55	876	66	12	45	28.5	12	49	16.6	11.9	03	32	833	12	40	738	95
Mean			963			780	183			39.1			10.7	28.4			857			675	182
No. days			31			31	31			31			31	31			31			31	31

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

Hour U. T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24

HORIZONTAL INTENSITY (gammas) (All Days)

Table 49 Meanook

1956

January	26	41	35	47	38	43	30	9	-34	-54	-62	-80	-51	-27	-21	-3	6	5	-3	-2	2	11	15	24
February	25	23	30	31	39	38	10	-14	-35	-25	-33	-57	-32	0	6	-11	-5	4	1	-7	-8	-3	7	15
March	51	59	64	57	41	45	39	-16	-44	-72	-85	-66	-44	-38	-26	-4	-9	-15	-24	-19	-4	22	33	46
April	83	74	74	75	40	36	-36	-50	-44	-34	-86	-78	-47	-23	-27	-29	-21	-28	-23	-14	-1	25	48	81
May	114	113	104	79	60	13	-29	-46	-69	-111	-136	-146	-126	-92	-61	-13	4	8	13	12	34	61	93	108
June	67	74	65	57	34	17	-23	-63	-63	-56	-55	-59	-48	-8	-12	-12	-11	-5	-7	-7	3	19	48	52
July	49	41	40	30	29	21	-5	-31	-72	-54	-56	-39	-27	-14	-5	4	1	-2	-7	-1	6	16	28	48
August	58	48	46	41	36	23	9	-1	5	-13	-56	-60	-35	-46	-47	-39	-18	-28	-24	-15	0	19	36	53
September	35	36	50	56	50	30	14	-4	-15	-61	-86	-76	-44	-39	-10	-7	-4	-6	-8	-3	6	19	28	32
October	32	37	37	42	39	38	27	-2	-56	-59	-58	-45	-48	-33	1	15	7	-8	-17	-12	-2	10	24	29
November	62	62	78	75	66	50	25	-18	-93	-91	-77	-70	-79	-78	-26	6	-6	-11	-9	-3	14	23	38	53
December	14	20	19	20	23	21	16	3	-6	-17	-21	-24	-19	-8	-2	4	6	0	-6	-14	-15	-8	-4	7
Year	51	52	54	51	41	31	7	-19	-44	-54	-68	-66	-50	-34	-19	-7	-4	-7	-10	-7	3	18	33	46
Winter	32	36	40	43	42	38	20	-5	-44	-47	-48	-58	-45	-28	-11	-1	0	0	-4	-7	-2	6	14	25
Equinox	50	52	57	58	42	37	11	-18	-40	-56	-79	-69	-46	-33	-15	-6	-7	-14	-23	-12	0	16	33	47
Summer	72	69	64	52	40	18	-10	-35	-50	-58	-76	-73	-58	-40	-31	-15	-6	-7	-6	-2	11	29	51	65

DECLINATION (minutes) (All Days)

Table 50 Meanook

1956

January	-2.8	-0.9	-1.4	-0.1	1.9	2.6	0.8	-0.1	0.1	-0.1	4.6	3.1	4.2	3.0	0.4	1.8	1.6	-0.7	-1.1	-1.7	-4.0	-4.2	-3.5	-2.6
February	-3.6	-2.9	-2.6	-0.2	0.3	0.1	0.4	-0.2	-3.0	-1.1	2.3	1.9	1.0	0.8	3.6	4.4	4.4	3.7	2.8	0.5	-2.2	-3.4	-4.0	-3.8
March	-4.9	-4.5	-5.3	-3.7	-2.7	-2.3	0.9	-1.1	0.8	0.0	1.3	2.7	2.4	3.6	6.4	7.5	8.0	6.1	3.5	-1.6	-2.9	-3.1	-4.6	-5.4
April	-6.9	-6.0	-9.5	-7.9	-6.9	-4.8	-2.5	-4.0	-0.7	2.0	2.5	4.7	5.3	8.3	10.0	10.4	9.7	7.2	3.6	0.1	-2.6	-3.0	-3.8	-5.2
May	-5.6	-4.6	-3.7	-7.3	-5.9	-4.1	-4.9	-4.5	-2.3	0.5	2.0	1.7	8.2	11.2	11.2	11.3	9.2	5.5	2.0	-2.8	-5.3	-4.3	-3.4	-3.7
June	-4.4	-3.3	-3.5	-3.1	-2.2	-1.9	-1.2	-3.4	-2.5	-1.8	-2.1	-1.6	3.7	7.3	9.6	11.1	10.2	7.5	3.9	-1.5	-4.7	-5.4	-5.9	-5.2
July	-4.3	-3.9	-2.5	-2.0	-2.2	-1.6	-0.3	-2.4	-3.4	0.2	-0.4	0.5	4.3	9.2	10.2	10.6	10.5	6.9	0.7	-2.8	-6.2	-7.1	-6.9	-5.6
August	-2.1	-1.4	-2.1	-1.8	-2.7	-3.3	-3.9	-2.5	-1.1	-0.8	-1.0	3.6	7.4	8.9	10.8	12.9	9.7	4.4	-2.4	-6.3	-8.3	-7.4	-5.8	-3.8
September	-3.0	-2.9	-2.2	-2.4	-3.8	-5.8	-5.3	-3.8	-2.6	0.7	3.5	4.8	6.5	7.4	9.2	10.4	7.0	4.3	0.2	-3.7	-5.2	-5.3	-4.6	-3.8
October	-4.3	-3.8	-3.0	-2.7	-2.6	-1.7	-0.5	-1.4	0.9	1.8	4.4	4.1	3.8	4.1	4.2	4.9	5.6	3.9	-0.3	-2.5	-3.7	-4.2	-4.0	-3.5
November	-3.2	-2.7	-3.3	-2.9	-2.9	-2.0	-2.7	-2.0	-1.9	2.1	4.0	4.7	6.9	5.1	2.8	3.3	3.9	3.2	-0.2	-2.2	-1.4	-2.2	-2.9	-3.2
December	-3.2	-3.0	-2.0	-1.1	-0.7	-0.5	0.0	0.8	1.0	0.9	2.3	3.7	2.3	1.2	1.0	1.7	3.7	3.7	1.1	-0.2	-2.4	-3.3	-3.5	-3.6
Year	-4.0	-3.3	-3.4	-2.9	-2.5	-2.1	-1.6	-2.1	-1.2	0.7	1.9	2.8	4.7	5.8	6.6	7.5	7.0	4.6	1.2	-2.1	-4.1	-4.4	-4.4	-4.1
Winter	-3.2	-2.4	-2.3	-1.1	-0.4	0.0	-0.4	-0.4	-0.9	0.4	3.3	3.4	3.6	2.5	2.0	2.8	3.4	2.5	0.7	-0.9	-2.5	-3.3	-3.5	-3.3
Equinox	-4.8	-4.3	-5.0	-4.2	-4.0	-3.7	-1.8	-2.6	-0.4	1.2	2.9	4.1	4.5	5.8	7.5	8.3	7.6	5.4	1.8	-1.9	-3.6	-3.9	-4.3	-4.5
Summer	-4.1	-3.3	-2.9	-3.5	-3.2	-2.7	-2.6	-3.2	-2.3	0.5	-0.4	1.0	5.9	9.2	10.2	11.5	9.9	6.1	1.1	-3.4	-6.1	-6.0	-5.5	-4.6

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Meanook

1956

January	28	36	34	34	36	35	25	7	-7	-28	-48	-48	-56	-53	-44	-25	-18	-12	2	12	20	20	27	22	
February	20	22	19	24	21	14	7	-4	-2	-20	-12	-28	-25	-23	-19	-13	-14	-7	-3	3	9	11	14	19	
March	19	19	27	23	14	11	-11	-18	-26	-31	-48	-26	-29	-30	-19	-5	-7	-2	7	12	21	30	34	29	
April	12	5	-25	-4	-3	8	-14	-9	-20	-9	-13	-19	-19	-17	-15	-9	-5	1	9	16	26	36	37	33	
May	19	20	7	5	8	13	9	-8	-16	-22	-30	-31	-35	-28	-42	-23	-7	3	10	19	26	32	31	27	
June	50	39	35	23	25	14	5	-20	-51	-54	-52	-36	-39	-28	-26	-14	-10	-2	2	6	15	30	41	45	
July	41	37	37	31	24	14	-21	-44	-46	-31	-23	-26	-19	-23	-16	-15	-8	-5	-3	1	5	16	31	41	
August	37	31	24	22	20	5	-10	-17	-27	-30	-39	-28	-29	-28	-29	-26	-8	-6	3	12	23	32	37	42	
September	21	26	22	18	4	-11	-6	-17	-5	-10	-21	-26	-31	-34	-14	-24	-1	3	7	15	20	23	21	21	
October	25	28	23	22	18	12	19	12	-10	-38	-40	-28	-31	-44	-39	-26	-5	1	4	8	14	20	22	25	22
November	23	21	26	22	11	9	-2	-8	-39	-26	1	-19	-48	-35	-32	-18	-9	-4	9	17	23	25	26	21	
December	17	22	24	22	24	22	16	3	-14	-26	-32	-32	-32	-27	-19	-13	-5	-5	0	4	7	10	13	15	
Year	26	26	21	20	17	13	1	-12	-24	-27	-29	-29	-34	-30	-25	-16	-8	-3	4	11	18	24	28	28	
Winter	22	25	26	26	23	20	12	0	-15	-25	-23	-32	-40	-34	-28	-17	-12	-7	3	9	15	16	20	19	
Equinox	19	20	12	15	9	7	-5	14	-22	-22	-28	-26	-31	-30	-18	-11	-3	-3	8	14	22	28	29	26	
Summer	37	32	26	20	19	12	-4	22	-35	-34	-36	-30	-31	-27	-28	-20	-8	2	3	10	17	28	35	39	

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

Hour U. T. Month Season	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24
HORIZONTAL INTENSITY (gammas) (Quiet Days)																								
Table 52 Meanook 1956																								
January	0	3	5	3	3	3	1	4	-4	-18	-14	2	0	6	10	10	10	4	-1	-5	-7	-7	-6	0
February	1	0	1	2	3	3	4	3	3	2	6	4	5	8	9	9	5	-2	-13	-14	-13	-11	-10	-3
March	0	3	5	5	6	7	7	6	7	10	10	5	15	14	10	9	-1	-11	-22	-26	-24	-17	-11	-6
April	7	11	13	13	13	9	8	6	11	12	7	5	-2	14	12	6	-10	-18	-22	-26	-24	-23	-18	-1
May	5	9	5	3	-2	0	4	9	7	5	9	10	15	16	9	-3	-14	-23	-22	-19	-15	-8	-2	5
June	30	28	19	7	7	6	7	4	-12	5	-7	5	5	7	8	-6	-19	-30	-35	-33	-20	-6	17	15
July	4	12	7	6	5	3	2	4	6	7	5	8	7	5	2	-2	-13	-19	-29	-19	-11	-2	5	8
August	15	11	4	8	10	8	6	9	9	10	12	13	15	18	13	-3	-24	-42	-46	-40	-24	-6	7	18
September	-1	2	5	8	9	11	12	12	13	12	9	11	11	10	3	-10	-20	-32	-31	-25	-16	-5	1	11
October	-2	4	7	7	9	9	10	11	9	9	8	15	14	12	9	3	-6	-16	-27	-28	-26	-15	-10	-5
November	-3	4	12	15	13	15	16	14	9	9	10	11	9	4	5	3	-7	-20	-31	-33	-26	-16	-10	-5
December	2	6	5	4	4	3	0	-6	-5	-2	1	6	9	10	7	6	2	0	-6	-11	-11	-12	-9	-2
Year	5	8	7	7	7	6	6	6	4	5	5	8	9	10	8	2	-8	-17	-24	-23	-18	-11	-4	3
Winter	0	3	6	6	6	6	5	4	1	-2	1	6	6	7	8	7	2	-4	-13	-16	-14	-12	-9	-2
Equinox	1	5	7	8	9	9	9	9	10	11	8	9	10	12	8	2	-9	-19	-25	-26	-22	-15	-10	0
Summer	14	15	9	6	5	4	5	6	2	7	5	9	10	12	8	-3	-18	-28	-34	-28	-18	-5	7	12
DECLINATION (minutes) (Quiet Days)																								
Table 53 Meanook 1956																								
January	-1.6	-1.5	-0.6	0.0	0.1	-0.1	1.5	0.5	-0.5	-1.1	-1.6	-1.6	-0.8	0.2	0.9	2.0	3.2	2.7	1.3	0.2	-0.7	-2.2	-2.1	-2.2
February	-2.6	-1.4	-1.1	-1.2	0.2	-0.3	-0.2	-0.2	-0.2	0.5	0.2	0.9	0.6	1.0	2.7	4.2	4.8	2.9	0.4	-1.8	-2.3	-3.2	-3.8	-3.8
March	-3.3	-2.6	-1.7	-1.3	-1.1	-1.0	-0.9	-0.1	1.6	0.8	0.5	-1.1	0.9	1.7	3.1	5.8	6.3	5.5	3.6	0.0	-3.0	-4.2	-4.9	-4.6
April	-5.2	-4.0	-2.4	-2.0	-1.6	-1.2	-0.2	-0.8	0.1	0.0	0.3	0.2	2.7	7.1	9.4	10.0	9.0	5.4	1.1	-2.0	-5.1	-6.7	-6.6	-6.5
May	-3.1	-2.3	-0.9	-0.9	-1.5	-1.6	-1.1	-1.2	-0.7	-1.4	-0.7	1.5	4.3	7.0	9.7	9.2	7.0	4.4	-0.2	-4.5	-6.7	-6.6	-4.5	-4.5
June	-3.0	-1.4	-0.5	-1.5	-2.6	-2.4	-1.6	-1.1	-2.4	-1.1	-2.9	-1.7	4.2	8.3	8.0	8.3	9.1	6.9	1.9	-1.3	-3.9	-6.2	-6.9	-6.2
July	-4.2	-3.4	-1.6	-1.6	-1.0	-1.5	-1.8	-1.6	-1.7	-1.6	-0.6	1.4	4.1	7.2	8.4	12.2	12.4	7.8	0.4	-3.9	-7.2	-8.1	-7.7	-8.1
August	-1.6	-0.4	-1.1	-2.0	-2.0	-2.0	-1.3	-0.6	0.3	1.1	3.1	6.2	8.9	11.0	11.9	10.3	4.9	-2.6	-8.0	-10.9	-10.4	-8.4	-4.4	-4.4
September	-2.0	-3.0	-3.0	-2.8	-2.6	-2.1	-2.4	-1.4	-0.9	0.3	1.2	2.8	3.8	6.1	8.7	9.5	7.4	5.0	-1.0	-4.5	-6.6	-5.6	-3.6	-3.4
October	-3.5	-3.3	-2.7	-3.8	-2.8	-2.1	-1.4	-0.2	-0.2	0.5	0.2	0.8	-0.6	0.0	4.2	6.4	7.6	7.0	4.6	0.6	-1.8	-3.2	-3.4	-3.2
November	-3.4	-2.3	-2.4	-1.1	-0.7	-1.3	-1.5	-1.6	-1.7	-1.0	-0.4	0.1	0.8	1.2	2.5	5.5	7.3	6.8	3.5	0.8	-1.3	-3.0	-3.7	-3.1
December	-2.5	-3.6	-1.2	-0.5	-0.9	-1.4	-0.9	-0.3	1.7	1.5	0.2	0.2	0.4	0.8	1.0	1.8	3.2	3.3	2.6	0.9	-0.8	-1.6	-1.9	-1.9
Year	-3.0	-2.4	-1.6	-1.5	-1.4	-1.4	-1.0	-0.8	-0.5	-0.2	-0.2	0.5	2.2	4.1	5.7	7.1	7.3	5.4	1.5	-1.8	-4.2	-5.0	-4.8	-4.2
Winter	-2.5	-2.2	-1.3	-0.7	-0.3	-0.8	-0.3	-0.4	-0.2	-0.2	-0.4	-0.3	0.3	0.7	1.4	3.0	4.5	4.4	2.6	0.6	-1.2	-2.3	-2.7	-2.8
Equinox	-3.5	-3.2	-2.5	-2.4	-2.0	-1.6	-1.2	-0.6	0.1	0.4	0.6	0.7	1.7	3.7	6.4	7.9	7.6	5.7	2.1	-1.5	-4.1	-4.9	-4.6	-4.4
Summer	-3.0	-1.9	-1.0	-1.5	-1.8	-1.9	-1.6	-1.3	-1.4	-0.9	-0.8	1.1	4.7	7.9	9.3	10.4	9.9	6.0	-0.1	-4.4	-7.2	-7.8	-7.2	-5.3
VERTICAL INTENSITY (gammas) (Quiet Days)																								
Table 54 Meanook 1956																								
January	6	7	8	8	7	7	8	6	-7	-23	-28	-5	-12	-7	2	4	3	1	2	2	1	4	3	3
February	6	4	4	3	4	-1	8	0	-1	-6	-4	-4	-8	-10	-5	0	0	0	-4	1	2	3	2	4
March	8	5	4	4	4	4	4	0	-12	-9	-6	-13	-2	0	1	-1	-4	-3	-3	0	4	7	7	
April	10	12	10	10	11	13	3	-6	-2	-4	-11	-20	-13	-8	-3	-4	-4	-6	-6	-3	1	2	5	8
May	9	11	8	5	3	4	1	-2	-8	-13	-10	-3	2	2	-1	-2	-4	-6	-8	-4	0	2	5	10
June	29	26	22	11	6	4	3	-1	-6	-12	-30	-20	-10	-10	-4	-2	-7	-11	-8	-7	-5	5	19	26
July	11	15	15	11	8	2	1	-2	-2	-3	-11	-5	-3	-4	-6	-9	-9	-8	-8	-9	-5	3	8	9
August	15	10	5	4	7	5	-2	-1	-6	-6	-4	-1	0	-3	-4	-7	-11	-10	-10	-7	1	6	8	11
September	5	4	2	2	4	5	3	5	0	4	-4	-8	-2	-1	-2	-4	-4	-6	-7	-3	2	4	1	3
October	3	2	2	3	5	6	2	0	-1	-4	-5	-3	-1	-1	1	3	3	2	-2	-4	-4	-4	-3	-3
November	14	5	5	2	0	-2	-6	-4	-6	-10	-8	-10	-11	-15	-13	-6	-4	-4	8	15	14	13	12	9
December	12	7	6	4	7	8	10	5	-6	-14	-14	-11	-6	-4	0	0	-1	-2	-2	0	1	2	3	3
Year	11	9	8	6	6	5	3	0	-5	-8	-11	-8	-6	-5	-3	-2	-3	-4	-4	-2	1	4	6	8
Winter	10	6	6	4	5	3	5	2	-5	-13	-13	-8	-9	-9	-5	0	0	-1	1	4	4	5	5	5
Equinox	7	6	5	5	6	7	3	0	-4	-3	-6	-11	-5	-2	-1	-1	-1	-3	-5	-3	0	2	3	4
Summer	16	15	13	8	6	4	1	-2	-6	-8	-14	-7	-3	-4	-4	-5	-8	-9	-8	-7	-2	4	10	14

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day not adjusted for non-cyclic change

Hour U. T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Meanook 1956

January	88	143	113	140	95	136	110	27	-134	-182	-261	-317	-248	-116	-106	19	44	29	29	51	68	88	79	104
February	114	86	90	107	146	147	-2	-88	-198	-144	-158	-224	-118	29	18	-112	-72	30	51	44	37	56	78	82
March	122	148	168	168	141	127	98	-93	-145	-213	-262	-153	-160	-147	-148	-47	-43	-9	-24	7	63	132	129	142
April	278	204	175	193	37	60	-160	-234	-110	-126	-283	-289	-148	-56	-93	-96	-43	-50	-16	29	78	146	201	305
May	444	421	395	237	143	-108	-270	-167	-142	-281	-376	-385	-495	-461	-265	-61	17	71	114	73	187	248	358	343
June	168	221	216	191	61	-7	-170	-131	-83	-107	-116	-178	-81	-20	-83	-90	-64	-3	16	15	18	33	70	124
July	108	90	90	79	70	57	-14	-26	-215	-208	-303	-188	-85	-73	-22	36	33	36	33	53	80	98	110	160
August	215	183	187	147	116	50	-7	-90	-30	-126	-188	-101	-148	-229	-220	-203	1	-11	6	23	53	86	125	163
September	84	125	180	208	147	24	15	33	-82	-259	-361	-314	-136	-167	-36	-23	47	49	53	65	82	91	91	83
October	142	-32	124	130	105	111	75	-61	-196	-178	-204	-155	-190	-196	-20	44	48	17	2	37	66	88	112	128
November	168	189	292	267	196	112	46	-155	-494	-403	-321	-306	-156	-136	-64	55	40	10	12	46	114	134	158	200
December	36	55	41	47	49	47	37	4	-20	0	-36	-101	-121	-83	-55	-8	23	18	8	8	11	9	8	23
Year	164	153	173	160	109	63	-20	-83	-154	-186	-239	-226	-174	-138	-91	-40	3	16	24	38	70	101	127	155
Winter	101	118	134	140	122	110	48	-53	-212	-182	-194	-237	-161	-76	-52	-11	9	22	25	37	58	72	81	102
Equinox	187	111	182	175	108	81	7	-89	-133	-194	-277	-228	-159	-142	-74	-30	2	2	4	35	72	114	133	165
Summer	234	229	222	164	97	-2	-115	-108	-117	-181	-246	-213	-202	-196	-147	-79	-3	23	42	41	80	116	166	198

DECLINATION (minutes) (Disturbed Days)

Table 56 Meanook 1956

January	-6.0	-1.3	-1.6	1.9	8.0	9.1	2.2	-4.2	2.7	0.1	15.1	4.2	9.2	10.0	-2.4	-0.2	-2.7	-8.0	-7.8	-6.1	-7.1	-6.7	-5.9	-2.6
February	-4.9	-5.0	-5.5	3.8	-3.6	1.3	3.0	4.7	-13.1	-6.1	11.5	4.3	0.3	-2.2	13.1	9.8	2.7	-1.8	2.7	1.2	-1.9	-4.8	-4.4	-4.6
March	-4.6	-4.1	-12.3	-7.8	-7.8	-4.6	-0.1	-8.5	-0.9	-7.5	0.0	11.0	6.0	9.3	13.3	8.1	6.4	3.3	6.7	-4.8	0.5	3.3	-1.6	-3.2
April	-13.5	-12.5	-35.4	-33.3	-29.7	-17.1	-8.8	-10.9	-4.4	12.6	3.6	15.8	14.4	15.8	16.3	17.9	17.0	17.1	14.1	10.7	3.9	5.4	3.2	-2.5
May	-7.7	-3.8	-4.4	-32.9	-30.9	-14.7	-19.8	-14.5	-6.3	-1.0	6.8	-2.0	15.4	20.2	15.8	15.7	17.0	10.6	2.4	2.8	4.2	8.6	12.8	5.6
June	-4.4	-3.2	-8.2	-10.1	-7.8	-3.2	-2.0	-3.0	-1.8	-1.1	-2.0	-4.9	2.8	9.7	10.7	12.6	8.7	7.2	5.5	0.9	-0.8	-2.0	-2.6	-1.3
July	-4.7	-4.3	-4.0	-0.5	-2.9	-6.2	-3.0	-5.6	-9.3	-4.9	0.3	3.6	10.0	12.5	11.4	9.7	8.3	4.9	-2.4	-3.8	-6.7	-4.7	-3.6	-3.8
August	0.8	-3.6	-5.6	-2.4	-7.3	-6.6	-6.6	-8.6	-0.5	0.2	2.0	8.0	7.9	9.4	10.8	17.8	8.9	3.4	-2.6	-7.6	-8.4	-5.6	-2.6	-0.8
September	-3.8	-3.8	-1.0	4.4	-7.7	-25.7	-21.3	-9.6	-14.6	0.1	12.7	17.6	17.1	15.5	14.3	19.7	6.5	4.3	-0.8	-8.5	-4.9	-4.6	-3.6	-2.2
October	-6.9	-6.4	-6.4	-5.6	-4.3	-1.2	3.7	-6.0	0.4	1.3	9.8	12.6	9.7	11.1	2.9	3.8	3.9	1.6	-7.3	-4.9	-2.6	-3.3	-3.8	-2.2
November	-3.4	-5.0	-10.2	-9.7	-15.4	-6.8	-7.2	-10.6	-7.8	7.9	17.7	12.5	14.8	8.4	1.8	3.5	6.2	2.5	-1.9	-2.4	4.0	2.1	-0.3	-0.8
December	-6.5	-2.7	-3.6	-1.6	-3.0	-2.0	-0.9	1.4	0.8	3.2	3.0	9.3	9.8	1.5	0.8	0.1	4.2	4.5	0.6	-1.3	-3.0	-4.6	-5.3	-5.1
Year	-5.4	-4.6	-8.2	-7.8	-9.4	-6.5	-1.5	-6.3	-4.6	1.2	6.7	7.7	9.8	10.1	9.1	9.9	7.3	4.1	0.8	-2.0	-1.9	-1.4	-1.5	-2.0
Winter	-5.0	-3.5	-5.2	-1.4	-3.5	0.4	-0.7	-2.2	-4.4	1.3	11.8	7.6	8.5	4.4	3.3	3.3	2.6	-0.7	-1.6	-2.2	-2.0	-3.5	-4.0	-3.3
Equinox	-7.2	-6.7	-13.8	-10.6	-12.4	-12.1	-6.6	-8.8	-4.9	1.6	6.5	14.3	11.8	12.9	11.7	12.4	8.5	6.6	3.2	-1.9	-0.8	0.2	-1.5	-2.5
Summer	-4.0	-3.7	-5.6	-11.5	-12.2	-7.8	-7.8	-7.9	-4.5	0.7	1.8	1.2	9.0	13.0	12.2	14.0	10.7	6.5	0.7	-1.9	-2.9	-0.9	1.0	-0.1

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Meanook 1956

January	59	99	81	72	74	59	46	-02	-52	-26	-90	-84	-142	-139	-112	-62	-41	-34	10	49	68	59	55	53
February	35	50	34	28	7	-7	-48	-7	8	-67	54	22	8	18	-31	-54	-81	-39	-16	-4	8	13	31	36
March	19	24	36	14	-40	7	-64	-67	-32	-1	-36	52	-59	-61	-56	-6	-30	0	41	44	69	62	55	27
April	-59	-92	-239	-124	-108	-48	-74	44	52	77	80	34	-2	13	-1	12	12	20	46	60	77	79	72	67
May	-59	-54	-115	-126	-66	4	95	96	134	38	26	-16	-72	-43	-98	-32	-7	27	44	70	77	63	17	-2
June	81	52	42	-17	22	-9	35	4	-21	-46	-78	-87	-57	-38	-74	-58	-41	4	21	26	31	48	75	85
July	71	43	42	38	16	-1	-74	-51	-74	-7	-51	-99	-14	-42	-24	-22	-23	-15	0	26	44	54	73	92
August	62	41	31	33	49	14	-21	-69	-97	-100	-78	-40	-73	-64	-33	-73	-1	2	24	40	72	91	91	101
September	16	40	46	20	-69	-91	-2	-29	17	27	-5	32	-25	-90	-21	-110	12	19	24	42	41	38	35	30
October	58	69	30	18	7	17	19	-40	-75	-39	-26	-55	-125	-100	-94	-28	-3	11	22	48	76	73	75	60
November	1	-9	27	7	-73	-65	-38	-10	-143	-35	124	61	-12	-10	-25	-9	-1	-11	9	37	53	58	50	14
December	31	45	38	33	47	42	26	7	-19	10	-8	-56	-94	-92	-57	-46	-9	-4	5	11	17	19	24	31
Year	26	26	4	0	-11	-6	-8	-10	-25	-14	-7	-20	-56	-54	-52	-41	-18	-2	19	37	53	55	54	50
Winter	31	46	45	35	14	7	-3	-3	-51	-29	20	-14	-60	-56	-56	-43	-33	-22	2	23	37	37	40	34
Equinox	8	10	-32	-18	-52	-28	-30	-23	-10	16	4	16	-53	-59	-43	-33	-2	12	33	48	66	63	59	46
Summer	39	21	0	-18	5	2	9	-5	-14	-29	-45	-61	-54	-47	-57	-46	-18	4	22	40	56	64	64	69



CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
Dominion Observatories

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Volume XXIX . No. 4

RECORD OF OBSERVATIONS AT
AGINCOURT MAGNETIC OBSERVATORY
1962

A. A. Onhauser and M. H. Onhauser

Price 35 cents

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AGINCOURT MAGNETIC OBSERVATORY, 1962

Geographic Latitude 43° 47'N

Geographic Longitude 79° 16'W

Geomagnetic Latitude 55.0°N

Geomagnetic Longitude 347.0°E

Officer-in-Charge: A. A. Onhauser

Assistant: Mrs. M. H. Onhauser

Introduction

Agincourt magnetic observatory was built in 1898 (1) some 13 miles northeast of the old Toronto observatory, where observations had been made continuously since 1840. It is believed that increasing industrial development will soon make it necessary to move the observatory again. While there is evidence of artificial disturbance in the magnetograms, it is unlikely that any of the values reported in this publication are significantly affected.

Absolute Instruments

Elliott magnetometer no. 48 (2) continued to be used as the standard for declination during 1962. The Agincourt Schuster-Smith electrical magnetometer (2) (3) and Quartz Horizontal Magnetometer (4) no. 258 were standards for horizontal intensity. A second QHM, no. 391, was added in December. For inclination, the earth inductor Toepfer no. 89 (2) was used until August 5, when it was replaced by earth inductor no. 1911. A proton precession magnetometer (5) (6) was used to determine total intensity.

The International Magnetic Standard corrections adopted for these instruments are as follows:

for D, I.M.S. = Elliott 48 -0.8'

for H, I.M.S. = QHM 258 +3.7 γ (0.00024H)

for H, I.M.S. = QHM 391 +0.0 γ

for H, I.M.S. = Schuster-Smith +0.0 γ

for I, I.M.S. = Toepfer 89 -0.15'

for I, I.M.S. = Earth Inductor 1911 -0.25'

for F, I.M.S. = Proton Precession Magnetometer
+0.0 γ (4257.60 cps per oersted)

Variometers

The photographic three-component, normal sensitivity sets, la Cour and Ruska, were used for continuous recording.

An electrical recording magnetometer, Type T613, Dominion Observatory design (7) operating continuously, provided a visible record of the variations in H, D, and Z. It was used as a low-sensitivity set in the event of severe magnetic storms, and for determining at once the state of the magnetic field, quiet or disturbed.

The scale values of these variometers during 1962 were:

	H	D	Z
la Cour	5.1 γ	0.9'	6.1 γ
Ruska	2.1 γ	1.1'	5.3 γ
Electrical recording magnetometer, T613	9.2 γ	2.0'	8.7 γ

Absolute Observations and Base-line Values

Absolute observations were made at least once a week. Base-line values were adopted by using French curves and getting the best fit to the observed values. The r.m.s. difference of the observed minus the adopted base-line values were 1.0' in declination, 3 gammas in the horizontal component, and 2 gammas in the vertical component.

Notes on the Tables

Greenwich mean time (U.T.) is used throughout.

Table 46 lists the three-hour range indices in D, H, and Z, as well as the K-indices which are sent regularly to the International Association of Geomagnetism and Aeronomy for publication. The magnetograms were also read each month for sudden commencements, bays, and pulsations, and the results sent to the IAGA.

Annual Means

Year	D West	H	Z	I North	F
1939	7 34.0	15292	56522	74 51.7	58554
1940	32.3	281	503	52.0	533
1941	32.4	288	482	51.3	514
1942	31.4	303	460	50.1	497
1943	30.8	309	459	49.7	498
1944	30.1	313	406	48.7	454
1945	27.7	322	392	48.0	436
1946	25.5	311	361	48.1	404
1947	22.3	338	370	46.7	419
1948	22.5	355	302	44.7	358
1949	20.9	360	237	43.4	297
1950	22.0	399	236	41.2	306
1951	17.2	419	233	40.0	309
1952	15.7	444	214	38.3	297
1953	15.2	487	219	35.9	313
1954	16.0	522	209	33.8	313
1955	16.4	561	194	31.3	308
1956	16.8	601	218	29.4	343
1957	19.1	642	203	26.8	339
1958	19.7	686	196	24.2	344
1959	18.8	739	207	21.2	369
1960	19.7	797	205	18.1	383
1961	19.7	864	177	13.8	374
1962	20.6	929	147	09.7	363

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HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Agincourt

H = 15,000 γ +

January 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	886	887	883	886	885	886	891	890	894	895	896	896	896	893	884	871	863	866	876	887	900	902	896	889	888
2	880	881	876	874	878	887	885	890	880	881	887	900	896	893	890	877	866	866	874	886	890	897	892	895	884
3	892	890	892	894	891	890	891	892	895	895	899	900	897	897	890	881	875	875	880	890	899	903	900	895	892
4	895	895	895	895	899	901	902	903	903	902	899	901	900	899	897	890	880	877	877	885	894	901	901	899	896
5	897	896	895	895	891	891	895	895	896	900	901	905	905	905	896	896	885	880	883	890	901	907	910	907	897
6	905	904	900	894	894	899	900	900	903	904	905	905	900	905	903	894	886	884	889	893	901	905	906	905	900
7	904	904	903	904	905	907	909	910	910	913	911	911	913	910	906	903	890	887	888	894	896	900	898	896	903
8	896	891	889	889	886	889	893	896	903	904	905	906	908	907	901	894	883	886	895	900	905	906	905	901	897
9	900	900	894	898	896	897	900	903	904	904	904	903	903	903	894	886	876	864	878	887	889	894	896	892	894
10	888	882	888	888	776	888	877	878	883	891	858	884	859	889	800	830	843	852	838	836	853	868	854	853	861
11	859	849	852	858	857	852	862	864	866	869	875	878	878	874	869	855	848	844	848	862	876	880	878	872	863
12	873	870	868	873	877	873	873	873	875	879	882	880	880	874	865	851	848	852	857	869	881	885	883	880	872
13	882	879	882	879	880	887	885	882	882	888	892	889	887	883	876	864	858	863	872	854	889	896	896	897	881
14	895	898	898	893	892	892	891	888	888	887	889	893	899	895	888	861	858	886	894	896	896	896	881	888	889
15	884	882	876	883	887	888	887	885	884	892	892	893	892	892	887	878	877	884	890	888	897	900	895	899	888
16	902	900	894	898	893	893	898	897	892	897	897	891	893	894	898	881	875	878	886	891	888	886	888	888	892
17	892	889	890	893	885	888	887	888	888	888	890	890	888	887	887	873	864	868	876	878	882	892	893	893	886
18	896	895	894	891	890	889	893	893	893	894	894	892	893	889	882	869	860	869	883	889	895	900	900	900	889
19	899	904	900	901	900	894	884	874	879	891	896	900	899	882	866	851	847	850	864	880	883	887	884	882	883
20	885	885	884	883	883	884	888	890	891	895	894	894	892	891	885	876	872	879	888	890	897	900	900	897	888
21	895	894	895	889	888	892	895	893	893	892	897	899	895	889	900	895	885	886	890	889	892	891	893	897	893
22	899	895	895	894	895	897	900	901	901	901	902	903	902	899	892	881	878	880	886	894	904	906	907	906	897
23	907	905	902	899	900	900	900	900	902	902	902	902	901	895	884	872	868	874	881	886	893	902	902	902	895
24	901	901	900	897	897	900	900	900	901	903	902	900	897	892	882	870	864	870	882	892	903	908	907	906	895
25	905	905	903	903	902	903	904	906	903	903	908	912	908	900	891	877	876	882	897	907	915	923	922	918	903
26	918	912	906	906	907	908	909	912	908	911	908	912	912	904	892	873	876	878	877	890	904	915	908	908	902
27	903	900	907	908	903	903	897	900	899	892	899	913	908	905	894	882	874	878	884	897	900	896	897	903	898
28	903	904	903	902	899	897	897	901	902	903	907	907	906	902	891	877	867	872	879	889	897	901	901	897	896
29	896	897	895	892	892	894	896	897	901	902	902	903	904	903	899	891	878	872	877	885	892	902	902	892	894
30	882	892	892	883	887	892	892	904	902	899	902	899	901	897	887	877	872	876	882	892	896	899	897	899	892
31	897	897	897	899	897	897	898	898	901	902	901	897	899	894	885	876	867	862	871	882	892	899	897	899	892
Mean	894	893	892	892	887	892	893	894	894	896	897	899	897	895	886	876	870	872	879	885	894	898	896	895	890

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7° W + ...'

January 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	19.2	18.6	18.5	12.1	16.8	19.0	19.9	19.6	20.0	20.1	19.8	19.9	19.2	17.6	15.9	16.8	20.2	22.8	24.1	23.4	22.1	20.6	19.4	19.9	19.4
2	18.1	18.7	17.6	15.4	17.6	18.6	19.1	20.5	21.4	25.0	23.7	19.0	19.8	18.1	16.9	17.6	21.1	24.4	25.2	23.8	22.2	20.7	20.2	19.5	20.2
3	19.3	19.0	18.8	19.1	19.5	19.4	19.6	19.9	19.9	19.8	19.9	19.6	19.4	18.9	17.9	17.6	19.5	22.0	24.2	24.2	22.3	21.0	20.4	19.9	20.1
4 Q	19.5	18.8	18.8	18.8	19.2	20.0	20.0	20.2	20.2	19.9	19.7	20.0	18.8	16.8	16.3	18.2	19.9	22.3	23.3	22.5	21.2	19.9	19.6	19.1	19.7
5 Q	18.9	18.8	18.8	18.9	19.0	19.0	19.5	19.6	19.6	19.8	19.9	19.6	19.3	17.1	15.1	14.9	16.8	20.4	23.0	23.3	22.2	20.1	19.3	18.7	19.2
6	18.1	17.8	18.2	17.3	18.1	18.9	19.4	19.1	19.0	18.9	18.9	18.3	17.6	17.5	15.9	15.9	18.2	21.0	23.2	22.1	20.3	19.6	18.8	18.4	18.8
7	18.1	18.0	18.1	18.0	18.2	18.8	18.9	19.3	19.2	18.9	18.8	18.1	18.8	17.7	16.4	16.8	19.7	22.0	22.6	23.5	23.5	23.4	22.3	20.1	19.6
8	18.9	18.3	17.2	17.8	18.6	19.2	19.7	20.3	19.9	19.4	20.0	18.8	17.5	15.7	15.7	16.9	20.4	23.5	23.5	22.4	21.6	20.6	19.7	18.9	19.4
9	18.3	18.0	17.6	17.2	18.3	19.5	19.9	20.6	20.0	19.1	18.9	19.0	21.3	17.7	16.7	19.5	20.8	23.5	24.2	26.1	26.2	23.8	20.6	19.3	20.3
10 D	17.9	17.7	15.5	12.6	40.9	12.9	20.6	18.9	18.9	16.7	22.5	44.2	46.5	41.4	34.9	28.8	27.4	26.0	28.5	31.5	28.1	26.5	23.5	17.2	25.8
11 D	12.7	17.1	13.4	13.1	15.5	19.8	24.1	20.8	22.2	22.5	21.4	20.8	20.5	20.2	18.7	17.3	20.5	22.6	24.5	25.2	23.9	22.2	20.5	19.9	20.0
12	18.8	18.8	18.0	18.3	20.2	21.0	21.2	21.2	22.5	20.2	20.2	20.2	19.2	17.3	15.9	16.9	19.5	22.7	25.2	25.5	23.6	21.2	20.2	19.4	20.3
13	18.1	18.6	17.8	18.4	19.5	21.3	22.2	21.0	21.8	20.1	19.7	19.7	19.2	16.7	16.7	19.6	21.5	23.3	24.5	24.7	23.7	21.7	20.6	19.7	20.4
14	18.9	18.3	18.1	18.4	19.3	19.9	19.8	20.0	19.9	17.7	18.7	18.0	18.4	16.3	13.5	16.9	24.5	28.8	28.0	27.2	26.3	28.3	27.2	23.5	21.0
15	18.4	17.7	16.7	18.6	20.1	20.3	20.4	21.3	21.3	21.9	22.4	21.0	19.6	18.3	17.6	19.3	20.3	21.9	23.6	23.6	22.6	21.6	18.3	19.4	20.2
16 D	20.0	19.7	16.5	19.2	19.5	19.7	20.3	18.3	18.5	18.2	18.6	20.6	26.9	18.7	18.3	19.4	21.7	23.2	21.5	22.9	23.9	23.9	21.6	18.6	20.5
17	19.6	19.3	18.8	20.6	21.8	19.6	20.1	20.3	19.5	19.7	19.9	19.5	19.7	17.2	15.5	16.6	19.5	22.4	24.0	24.4	23.9	21.9	20.6	20.3	20.2
18	19.7	19.7	19.4	19.4	19.7	19.7	20.0	20.3	19.8	19.5	19.5	20.3	19.7	17.2	15.6	17.1	20.8	22.9	24.1	23.5	23.1	21.6	20.3	19.3	20.1
19 D	18.4	18.3	17.5	18.7	18.5	18.5	17.0	17.6	17.6	19.5	20.2	20.8	19.4	20.4	21.9	20.4	25.0	28.9	27.7	26.2	24.8	21.6	20.0	19.5	20.8
20	18.9	18.6	19.1	19.1	20.8	21.6	21.2	20.8	21.5	21.1	20.1	19.9	19.9	18.6	18.4	19.6	21.3	23.2	24.3	23.7	22.3	21.4	20.3	20.0	20.7
21	19.8	18.6	17.5	19.4	19.8	20.9	21.4	21.5	21.7	19.7	18.5	18.6	19.7	21.1	16.4	18.6	20.8	22.4	22.6	22.5	22.0	22.9	21.6	20.5	20.4
22 Q	19.9	20.1	19.8	20.5	20.5	21.0	21.1	20.6	20.9	20.3	20.6	20.6	19.9	18.5	17.8	19.6	21.5	24.0	25.5	25.2	23.0	21.0	20.3	19.9	20.9
23 Q	19.7	19.7	19.8	20.2	20.7	20.8	21.2	20.8	20.4	19.9	19.9	19.9	19.7	19.0	19.0	19.8	22.4	24.5	25.0	21.8	23.1	21.5	20.6	19.9	20.9
24 Q	19.8	19.4	19.8	20.0	20.2	20.4	20.7	20.5	20.3	20.2	20.0	19.8	19.3	17.9	17.1	19.6	22.1	24.4	25.8	25.3	24.1	22.2	21.0	20.1	20.8
25	19.6	18.9	18.9	19.2	19.9	19.9	19.9	20.4	19.7	18.9	18.1	19.8	18.7	16.1	16.8	20.3	22.2	23.6	24.4	23.9	22.3	21.0	19.9	19.9	20.1
26	19.3	19.0	19.2	19.9	20.9	21.1	21.5	21.0	21.2	19.6	20.5	21.0	19.9	15.9	16.0	21.4	24.2	24.9	26.2	26.2	23.9	20.8	19.9	19.6	21.0
27 D	19.4	19.3	19.2	19.2	19.7	16.1	20.5	22.0	22.3	17.4	23.0	19.0	19.2	17.3	17.3	18.5	21.8	24.0	24.7	23.6	23.3	22.3	21.4	20.8	20.5
28	19.9	19.4	19.4	20.1	19.9	20.5	21.5	21.1	21.1	22.3	20.8	20.0	19.6	18.2	17.1	17.9	20.8	23.0	24.9	25.2	24.3	22.7	21.5	20.8	20.9
29	20.8	20.6	20.2	20.3	19.1	20.2	20.5	21.1	21.4	20.8	20.0	19.8	19.4	24.0	22.6	20.3	19.4	21.5	23.5	24.3	24.2	23.3	21.8	21.1	21.3
30	21.0	20.4	20.1	18.9	17.9	20.9	21.0	25.8	21.8	20.6	20.3	21.5	21.9	19.5	18.1	18.8	18.9	22.0	24.4	25.3	24.1	22.7	21.9	20.6	21.2
31	20.0	19.9	19.7	20.0	20.3	20.7	20.9	21.0	20.9	20.9	20.4	20.1	19.4	17.8	16.3	17.4	20.5	23.2	25.2	25.4	23.8	22.4	21.4	20.8	20.8
Mean	19.0	18.9	18.3	18.3	20.0	19.6	20.4	20.5	20.5	20.0	20.2	20.6	20.6	18.9	17.7	18.6	21.1	23.4	24.6	24.5	23.4	22.1	20.8	19.8	20.5

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 3 Agincourt

$z = 56,000 \gamma +$

January 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	166	163	163	153	156	161	161	161	161	161	161	161	162	160	159	155	153	159	163	167	167	165	163	161	161
2	162	163	162	162	160	158	152	137	132	140	141	152	158	160	154	149	151	160	166	170	170	166	165	162	156
3	162	162	162	160	159	159	159	160	160	160	160	160	160	160	159	158	155	158	164	166	169	167	164	164	161
4 Q	162	162	161	161	160	159	159	159	159	158	158	158	157	156	151	147	147	149	154	159	161	162	160	159	157
5 Q	159	159	159	159	158	157	158	158	159	159	159	159	159	159	157	154	154	157	163	165	166	165	164	161	159
6	158	158	157	158	158	158	156	157	158	156	157	155	156	156	155	150	146	152	158	160	161	160	157	157	156
7	155	152	155	155	152	152	152	153	154	154	153	152	152	152	150	146	155	152	159	163	163	163	162	158	155
8	158	159	160	162	161	157	157	157	157	157	156	155	156	152	151	146	146	152	155	156	157	157	156	155	155
9	157	156	155	151	151	152	152	151	151	151	151	152	152	151	148	145	145	148	154	157	157	160	159	157	152
10 D	156	156	156	144	-51	150	156	162	157	150	120	72	64	87	109	150	173	173	174	192	198	186	198	193	143
11 D	174	181	173	162	161	157	152	152	158	162	162	167	167	165	165	162	162	168	175	176	175	176	173	170	166
12	170	169	167	165	161	163	163	163	162	162	163	165	168	169	167	166	167	167	168	172	175	171	168	167	167
13	166	165	162	162	161	155	152	158	162	160	161	162	163	166	160	158	161	163	166	167	167	163	162	162	162
14	161	161	158	156	156	156	156	156	156	155	156	157	161	159	154	148	155	157	161	164	167	159	184	188	160
15	174	168	162	162	151	151	156	154	154	151	150	153	159	166	155	155	160	162	165	165	163	164	167	164	160
16 D	162	161	160	161	162	157	148	147	154	156	153	151	151	154	147	145	148	153	158	159	160	164	163	167	156
17	162	162	159	156	156	158	159	158	157	157	157	157	159	159	158	153	153	157	157	160	162	162	160	159	158
18	159	159	157	157	157	157	157	157	157	157	157	157	160	160	155	152	154	160	163	162	160	158	158	157	158
19 D	157	156	156	157	157	155	151	152	153	157	157	156	159	155	156	150	159	163	177	171	168	164	163	164	159
20	164	164	162	162	160	161	163	161	163	160	160	160	163	163	162	161	165	169	168	165	161	160	161	160	162
21	160	159	158	156	156	155	155	156	147	150	152	153	155	158	153	146	151	155	158	163	163	158	158	161	156
22 Q	160	159	159	160	159	159	156	154	158	159	158	159	160	159	158	159	164	169	166	162	162	159	159	158	160
23 Q	157	157	156	154	154	154	153	154	154	153	154	153	154	153	151	152	154	154	158	160	159	157	156	157	155
24 Q	155	155	155	155	155	155	154	154	154	154	154	154	154	153	148	145	146	152	156	160	159	155	155	154	154
25	154	154	154	153	154	152	152	154	152	152	152	152	153	153	148	153	150	147	148	152	154	153	153	154	152
26	155	155	155	155	155	154	155	152	154	153	153	150	151	148	152	149	149	155	160	163	164	162	159	157	155
27 D	156	159	156	156	152	141	148	144	149	144	144	146	153	156	155	155	161	165	166	160	164	163	161	161	155
28	159	157	156	155	155	155	154	155	155	155	153	155	156	156	155	155	158	161	163	163	164	163	159	155	157
29	155	155	155	154	150	155	155	153	153	150	153	154	154	154	150	148	148	149	150	155	157	155	155	153	153
30	156	154	156	156	154	153	150	144	143	153	153	153	151	154	153	154	151	155	155	160	163	160	157	156	154
31	156	156	156	156	155	154	153	153	154	154	153	153	154	154	149	145	149	151	156	161	162	158	156	154	154
Mean	160	160	159	157	150	155	155	154	155	155	154	153	154	155	153	152	155	158	161	164	164	162	162	161	157

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 4 Agincourt

H = 15,000 γ +

February 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	896	897	895	895	892	896	899	902	902	904	902	903	905	905	896	886	880	878	883	886	895	894	903	905	896	
2	902	886	884	889	889	890	890	891	895	895	894	894	891	888	883	877	878	881	884	887	892	897	900	895	890	
3	894	891	891	888	889	889	894	891	894	894	897	899	900	894	888	879	879	883	890	890	900	906	910	909	893	
4 D	910	906	908	905	905	906	905	910	911	923	935	934	915	894	892	865	868	878	880	880	892	883	884	894	899	
5	893	898	886	870	879	883	887	889	891	894	894	894	894	893	886	884	881	884	889	898	902	906	910	907	892	
6	903	899	893	889	889	893	893	895	897	896	893	895	895	891	884	874	868	872	881	888	893	904	903	891	891	
7 D	878	858	873	883	888	900	904	887	877	876	893	899	893	885	873	846	848	853	863	878	883	888	888	888	879	
8 Q	888	888	887	885	888	889	888	892	890	893	893	892	892	886	877	868	869	875	885	893	900	902	900	899	888	
9	899	892	888	895	899	899	899	902	897	895	893	897	891	880	873	868	858	869	880	893	899	904	903	900	891	
10 Q	893	898	899	898	897	899	898	895	896	897	897	896	892	883	868	860	861	866	873	883	891	899	899	899	889	
11	898	893	884	883	888	893	893	893	897	898	903	897	893	895	892	878	877	882	887	877	883	878	884	884	889	
12 D	900	861	854	871	874	871	869	869	874	877	877	880	879	872	868	859	855	859	855	858	860	878	886	884	870	
13	888	892	886	887	897	890	893	891	889	889	886	884	894	894	888	871	860	863	873	872	882	889	897	880	885	
14	878	874	884	889	885	937	894	894	894	894	893	899	901	894	889	889	890	889	900	910	903	895	905	911	896	
15	907	907	902	904	896	895	901	904	904	905	905	906	910	912	907	902	898	887	897	906	916	921	922	921	906	
16 D	924	926	926	922	926	925	920	911	906	871	856	882	910	870	841	851	885	881	885	890	898	878	881	870	893	
17	871	861	870	874	878	876	887	881	872	889	895	898	891	886	882	876	880	886	896	898	901	901	899	896	885	
18	899	897	899	897	898	899	900	900	899	903	902	897	896	892	890	886	882	883	881	881	891	895	890	896	894	
19 Q	892	892	891	893	892	893	892	891	892	896	897	897	897	896	893	890	887	887	892	899	906	912	913	913	896	
20	913	914	913	914	914	913	913	911	912	907	909	912	910	904	897	889	888	894	903	909	914	914	914	918	908	
21	915	915	915	912	913	909	905	906	907	909	913	915	913	909	893	884	885	884	894	907	911	915	915	913	906	
22	913	911	927	921	908	899	905	906	915	913	914	914	915	919	908	895	899	894	897	904	914	918	919	919	910	
23	917	919	916	910	916	911	914	915	917	916	916	911	914	907	893	892	891	895	894	904	914	916	915	911	909	
24	911	914	912	911	914	910	906	910	911	910	909	911	912	902	889	887	885	879	866	879	883	902	906	909	901	
25	910	911	908	911	905	907	908	912	912	916	916	915	912	910	906	905	898	901	903	916	908	912	914	906	909	
26 D	897	900	903	903	908	906	907	910	913	917	921	921	927	929	927	919	900	890	886	886	891	912	913	909	908	
27	909	908	917	917	918	925	923	921	912	911	913	911	907	911	909	928	931	936	938	942	947	908	914	913	920	
28 Q	912	908	908	913	913	911	912	908	910	910	912	908	909	912	906	898	890	891	896	901	912	917	920	917	908	
29																										
30																										
31																										
Mean	900	897	897	897	898	901	900	900	900	900	901	902	902	897	889	882	881	883	888	893	899	902	904	902	896	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 5 Agincourt

D = 7° W + ...'

February 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	20.5	20.1	20.3	20.0	20.2	20.4	20.9	20.9	20.6	20.2	20.2	19.9	19.2	17.7	16.5	16.6	18.3	21.1	22.7	24.4	23.6	22.1	20.9	20.0	20.3	
2	20.1	20.9	19.8	20.1	20.2	20.9	21.5	21.8	21.8	19.3	19.5	19.7	19.0	17.7	16.5	17.8	21.5	24.1	24.7	24.1	23.0	22.3	21.8	21.2	20.8	
3	20.5	20.1	19.9	19.6	20.2	20.9	21.2	21.2	20.9	19.2	18.6	18.3	17.6	16.8	16.3	19.1	21.5	23.5	24.4	24.5	22.9	21.6	21.2	20.1	20.4	
4 D	19.9	19.7	19.6	19.7	20.2	20.6	21.8	22.4	21.0	18.8	13.8	15.7	16.3	32.7	18.1	28.7	32.5	32.8	30.4	30.3	27.5	23.2	23.0	21.8	22.9	
5	20.1	20.0	21.0	21.8	21.1	21.8	21.6	21.3	21.2	21.0	21.2	20.9	20.2	18.8	18.1	19.8	21.5	22.2	23.9	23.6	23.2	22.0	21.1	20.9	21.2	
6	20.9	20.7	20.9	21.0	20.4	20.9	22.1	21.5	21.1	20.9	20.9	20.3	19.6	18.3	17.8	19.4	21.5	23.3	24.1	23.8	22.6	21.1	20.1	20.5	21.0	
7 D	20.3	14.8	14.3	18.3	18.8	18.9	23.0	21.7	23.6	31.1	21.6	19.1	17.8	17.7	17.6	22.2	25.2	27.6	25.2	24.6	24.2	22.6	21.1	20.6	21.3	
8 Q	19.9	19.7	19.7	20.0	20.0	20.8	21.3	21.6	21.2	20.6	19.7	19.4	18.7	16.3	16.3	19.9	22.6	24.1	24.9	24.8	23.5	21.5	20.8	20.2	20.8	
9	19.9	19.9	16.1	18.9	20.3	21.1	21.1	21.0	20.1	20.0	18.0	18.7	17.5	16.0	16.8	20.1	22.7	24.5	25.2	24.7	23.4	21.7	20.8	20.5	20.4	
10 Q	19.4	18.9	19.4	19.2	19.6	21.5	20.8	21.0	20.9	20.5	19.9	19.1	18.0	16.5	17.1	19.5	22.6	24.3	24.7	24.5	23.6	22.5	21.3	20.5	20.6	
11	20.1	20.2	18.7	17.9	19.1	20.4	20.6	21.0	21.0	19.9	18.6	18.5	19.1	16.2	14.6	16.6	22.3	22.3	24.2	27.1	28.6	32.5	32.8	29.3	21.7	
12 D	16.3	26.1	16.6	18.2	19.4	19.2	20.1	19.9	20.2	24.4	22.7	20.0	18.7	18.1	17.4	18.7	21.4	23.9	24.7	26.3	26.5	27.7	23.6	21.8	21.4	
13	21.1	19.8	18.5	16.5	16.5	19.2	21.1	20.9	19.9	20.3	20.0	24.4	20.6	17.0	16.1	18.8	22.6	23.2	24.4	25.0	25.1	24.5	23.2	23.2	20.9	
14	20.9	21.8	21.1	19.9	19.8	19.1	23.0	22.0	18.9	18.6	17.9	18.6	18.2	16.7	17.0	17.9	20.2	21.6	23.9	24.6	25.6	25.0	24.9	24.1	20.9	
15	21.2	20.5	20.0	18.1	21.0	18.1	20.2	20.4	19.6	20.0	20.7	19.9	19.9	18.8	18.6	18.4	19.6	21.1	20.0	22.2	20.4	21.0	21.0	20.7	20.1	
16 D	20.0	19.7	19.6	19.4	18.8	19.0	18.7	17.6	15.2	9.2	17.4	31.4	30.8	29.1	30.9	32.4	32.4	28.6	27.3	33.7	33.4	25.0	22.8	16.1	23.7	
17	17.7	17.6	18.1	18.9	18.7	19.3	19.6	19.0	18.1	21.6	15.8	16.4	18.1	18.2	18.5	21.7	21.9	22.3	22.5	22.0	22.1	21.9	21.6	21.0	19.7	
18	21.1	21.1	21.1	21.1	21.0	20.9	20.7	20.7	20.5	21.9	19.5	19.6	18.8	18.1	17.9	17.9	19.8	21.6	23.5	26.5	24.4	22.7	22.1	21.6	21.0	
19 Q	21.1	21.2	21.3	21.1	21.1	21.4	21.4	19.6	19.5	19.3	19.3	19.8	19.8	18.1	19.4	20.7	22.2	23.4	24.0	23.4	22.7	21.6	21.3	21.0	21.0	
20	20.9	20.7	20.7	20.7	21.0	20.9	20.4	21.6	18.5	17.0	16.6	17.6	16.8	18.5	17.9	19.6	21.8	23.2	23.4	22.9	21.9	21.0	21.0	20.6	20.2	
21	19.9	19.9	20.1	20.2	20.4	20.6	18.7	20.2	18.7	18.8	18.5	18.3	18.6	17.0	16.8	19.9	25.4	27.0	28.7	26.4	24.4	21.6	20.4	20.1	20.8	
22	19.9	19.7	19.0	19.8	18.3	13.3	19.3	21.7	20.1	17.5	15.2	18.4	19.4	14.7	14.0	21.9	23.4	24.1	24.6	24.6	23.5	21.9	20.9	20.4	19.8	
23	20.3	19.8	20.1	20.0	18.8	20.6	20.9	20.9	20.3	19.9	22.6	19.9	17.6	13.7	18.6	19.3	22.5	23.4	27.3	28.0	25.7	23.6	21.9	21.6	21.1	
24	21.0	20.0	19.9	20.6	19.1	19.9	19.8	20.8	24.0	21.2	17.7	17.7	19.0	17.4	17.8	22.0	23.2	24.0	27.0	27.9	26.8	24.5	22.9	21.0	21.5	
25	20.8	20.1	19.9	20.2	19.5	18.9	19.6	20.4	20.4	19.9	19.5	19.5	18.8	18.2	18.4	20.0	22.0	23.3	25.4	26.0	25.0	21.7	21.1	21.2	20.8	
26 D	22.9	20.9	19.8	19.8	17.7	18.0	20.3	20.8	20.6	19.5	17.4	16.5	13.9	11.9	11.7	14.9	19.9	23.8	27.0	32.0	28.2	22.8	20.7	21.0	20.1	
27	20.9	19.6	19.8	20.3	20.4	20.5	20.8	20.3	19.9	20.8	18.2	21.7	24.4	25.6	20.8	22.4	26.0	26.6	27.4	26.3	27.2	24.0	22.3	21.5	22.4	
28 Q	21.0	20.4	20.4	20.6	21.0	20.8	20.5	20.0	22.1	20.7	20.0	20.4	19.8	17.6	17.4	18.4	20.5	22.5	24.0	24.4	23.3	21.9	21.8	21.6	20.9	
29																										
30																										
31																										
Mean	20.3	20.1	19.5	19.7	19.7	19.9	20.8	20.8	20.4	20.1	19.0	19.6	19.2	18.3	17.7	20.2	22.8	24.0	25.0	25.7	24.7	23.0	22.0	21.2	21.0	

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt

z = 56,000 γ +

February 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	153	153	153	151	152	151	154	153	154	151	151	151	151	153	151	146	142	139	141	148	151	151	151	150	150
2	149	150	153	151	151	150	150	150	145	144	147	149	149	150	148	143	143	145	150	154	152	154	151	152	149
3	151	154	151	153	153	151	149	148	150	150	150	150	150	154	148	148	149	153	154	156	156	156	154	154	152
4 D	154	154	153	151	150	150	150	148	150	151	148	143	143	142	126	125	137	143	150	160	156	157	160	163	148
5	161	160	162	168	164	162	160	160	160	160	160	160	160	159	159	158	156	157	162	161	157	157	156	156	160
6	156	154	156	155	156	155	153	155	155	156	153	156	156	151	150	141	143	146	150	153	156	154	153	151	153
7 D	156	160	156	153	145	123	123	137	142	117	137	145	146	145	141	139	149	153	158	156	156	156	156	156	146
8 Q	154	154	153	154	152	150	150	150	150	151	151	150	151	150	148	145	148	152	153	154	154	155	151	150	151
9	150	152	151	150	150	151	148	148	148	150	148	148	153	152	147	143	143	148	152	156	157	155	153	150	150
10 Q	151	151	151	150	148	145	145	148	150	149	148	148	150	150	145	144	145	149	151	156	155	151	150	148	149
11	148	149	150	150	149	150	150	149	148	145	145	142	145	146	139	136	137	143	143	146	157	174	185	196	151
12 D	221	227	209	187	161	157	153	142	137	150	150	154	157	154	148	149	151	153	156	160	168	168	169	167	164
13	162	160	162	154	145	153	153	151	151	149	144	142	144	146	140	140	148	151	151	151	156	158	157	162	151
14	166	169	162	144	161	156	150	143	150	150	148	151	153	150	150	149	150	153	151	156	159	164	162	157	154
15	155	153	155	155	149	159	156	155	153	152	151	149	149	139	142	142	144	145	152	149	149	149	149	147	150
16 D	147	147	145	145	144	143	143	145	138	92	58	25	76	111	124	138	157	167	179	197	208	183	178	188	141
17	177	179	176	172	161	161	161	149	116	117	130	148	156	155	151	156	154	154	153	156	157	159	157	159	155
18	159	156	155	155	155	155	155	155	154	156	155	153	153	155	152	148	148	150	155	159	159	161	156	156	155
19 Q	155	155	154	155	155	152	150	150	154	155	154	154	155	153	147	142	147	153	156	155	155	155	154	153	153
20	154	153	153	153	152	152	152	149	144	150	150	153	155	153	152	149	147	149	150	152	155	156	153	154	152
21	153	153	150	150	149	149	148	148	149	153	150	150	149	148	146	142	144	150	155	159	158	154	153	153	151
22	152	149	150	147	147	136	147	146	136	142	145	142	142	142	138	139	142	148	150	151	153	154	150	152	146
23	149	149	152	152	147	147	150	153	150	150	144	147	153	153	149	149	153	153	156	159	159	159	157	156	152
24	154	153	150	144	138	144	146	142	138	138	140	141	147	143	141	142	143	149	149	154	155	160	156	155	147
25	153	151	150	150	150	147	148	146	150	150	150	150	148	145	143	137	136	137	139	145	146	150	151	154	147
26 D	157	156	152	150	145	143	147	148	148	148	143	143	143	136	131	119	124	131	143	157	160	160	155	157	146
27	157	156	157	150	150	150	150	148	148	117	100	96	113	112	119	126	135	143	148	156	159	157	157	155	140
28 Q	155	154	153	154	151	151	150	144	148	150	150	147	149	148	149	145	143	146	150	151	152	154	151	150	150
29																									
30																									
31																									
Mean	157	158	156	154	151	150	150	149	147	144	143	142	146	146	144	142	145	149	152	156	158	158	157	157	150

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 7 Agincourt

H = 15,000 γ +

March 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	922	921	919	918	915	915	918	920	917	913	917	916	923	920	917	903	896	903	908	914	923	923	919	916	916	
2	912	902	904	907	904	909	904	903	902	902	901	900	901	902	906	896	891	897	893	901	910	916	911	913	904	
3	915	917	915	910	910	910	907	911	913	916	918	916	916	911	895	887	890	897	910	908	905	901	901	903	908	
4	903	896	902	908	904	906	907	907	909	910	908	910	907	901	900	893	896	906	917	921	923	918	915	911	907	
5 D	912	916	913	917	915	916	917	920	911	907	912	920	905	886	918	912	875	866	892	896	907	908	901	911	906	
6 D	908	912	912	896	907	890	898	899	907	903	919	917	895	913	901	882	887	890	896	896	907	910	909	908	903	
7	905	904	900	904	906	906	906	914	909	911	910	909	903	894	885	876	874	875	892	905	912	915	915	914	902	
8 Q	913	912	912	920	912	914	913	912	912	916	914	914	911	905	895	886	884	886	896	906	914	916	920	921	909	
9 Q	919	917	914	915	914	905	916	916	918	918	916	916	913	909	904	899	896	903	910	916	921	925	925	925	914	
10	924	919	905	909	910	905	909	915	918	909	909	905	905	892	902	897	892	888	898	909	914	925	915	912	908	
11	904	909	902	905	919	898	904	900	904	909	900	903	910	904	898	892	881	886	904	913	914	918	917	919	905	
12 D	913	904	908	911	912	912	912	913	912	916	915	906	912	899	891	942	891	904	909	908	907	902	917	916	910	
13	893	902	905	907	908	908	908	907	909	915	912	914	913	914	904	895	896	907	914	921	923	923	924	922	910	
14	917	918	918	917	918	917	918	915	918	915	919	918	912	912	908	907	907	907	910	913	920	927	931	929	916	
15	926	922	911	911	906	897	902	907	914	921	922	918	915	912	908	903	902	906	912	916	925	923	914	926	913	
16 Q	928	926	922	922	922	920	924	921	921	921	925	925	920	915	909	909	907	907	912	917	927	929	926	924	920	
17	925	922	921	920	921	920	924	924	921	920	916	911	910	905	896	896	898	907	913	916	919	912	903	904	914	
18	905	913	912	915	922	925	925	913	915	921	921	915	915	924	924	912	904	904	905	911	911	915	924	925	916	
19 D	925	914	914	920	921	914	913	925	922	924	920	917	905	944	903	913	903	894	888	890	900	904	916	915	913	
20	916	916	915	914	915	915	915	918	920	920	921	920	910	904	901	903	906	898	904	917	925	924	910	905	913	
21 D	903	910	911	913	915	906	925	911	908	916	918	919	914	900	880	869	869	889	897	921	924	928	914	915	907	
22	919	920	919	920	919	920	921	920	921	925	925	925	920	913	900	888	888	899	910	919	924	937	925	915	916	
23	922	922	922	924	924	924	925	925	925	924	924	919	921	913	898	878	871	881	893	907	920	920	928	929	914	
24	926	930	906	916	920	920	920	922	919	920	921	919	914	908	894	885	884	890	900	915	925	929	929	930	914	
25	935	929	910	908	902	909	924	909	909	909	919	919	922	915	901	886	881	883	895	911	919	920	924	924	911	
26	925	915	911	910	914	918	920	921	920	920	920	920	916	908	898	889	893	900	910	921	929	932	932	929	915	
27 Q	930	930	925	929	930	929	927	929	931	930	931	930	929	921	913	900	895	900	905	915	925	932	935	934	923	
28	933	931	931	931	932	932	935	935	936	938	938	937	933	926	920	904	896	901	909	920	924	920	920	925	925	
29	912	892	899	908	909	908	908	909	920	925	927	924	919	921	913	902	897	897	901	908	919	926	932	932	913	
30 Q	931	928	928	929	930	928	929	929	929	931	933	933	931	927	918	909	912	921	932	936	936	937	936	935	929	
31	934	934	935	934	934	934	934	931	931	932	930	927	921	912	908	905	916	916	923	931	938	940	941	935	928	
Mean	918	916	914	915	916	914	916	916	917	918	919	918	914	911	904	897	893	897	905	913	919	921	920	920	913	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 8 Agincourt

D = 7° W + ...'

March 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	21.2	20.7	20.4	20.4	20.4	20.4	19.9	21.0	20.5	17.8	18.0	19.8	19.7	19.7	18.9	19.6	23.0	24.5	23.9	23.5	22.7	21.6	21.8	21.4	20.9
2	21.2	20.7	19.8	19.8	20.2	21.0	20.9	18.9	19.0	18.7	18.9	19.0	17.8	17.9	18.1	18.6	21.5	23.6	25.4	25.6	22.8	21.1	21.5	21.1	20.6
3	20.4	19.8	19.7	20.1	20.1	20.2	19.9	19.8	19.6	18.5	18.6	18.4	16.5	16.2	17.7	20.3	24.1	26.0	25.8	26.2	25.4	24.2	25.7	24.3	21.2
4	24.6	23.7	21.3	19.9	19.9	20.6	20.4	20.1	19.6	18.8	18.6	19.6	18.4	16.4	18.8	22.1	23.3	24.4	24.0	21.9	21.0	20.1	20.7	20.8	20.8
5 D	20.5	20.3	20.3	20.0	20.3	20.1	19.7	18.6	20.9	22.7	17.1	14.2	15.1	26.7	24.0	21.0	25.2	29.1	29.8	27.2	23.2	21.2	20.9	20.3	21.6
6 D	19.2	19.9	19.8	20.7	17.0	15.7	18.6	21.4	25.6	25.0	21.9	18.2	34.5	22.8	25.6	24.7	26.2	28.1	26.5	25.0	22.4	20.3	19.9	20.1	22.5
7	19.4	19.7	17.9	18.7	20.3	18.5	28.5	23.2	20.3	19.5	19.2	18.3	16.4	15.6	16.3	17.7	20.8	24.8	24.9	24.3	23.0	21.5	20.5	20.1	20.4
8 Q	19.8	19.8	19.8	19.3	20.1	19.0	19.3	20.1	21.1	18.8	18.4	18.1	16.8	15.7	15.5	16.9	20.1	22.8	23.7	24.1	23.3	22.0	21.0	20.2	19.8
9 Q	19.5	19.2	19.4	19.3	19.5	19.7	19.5	19.2	18.9	18.6	18.5	18.0	17.2	16.6	16.6	17.6	20.9	23.1	23.9	23.5	22.5	21.5	20.5	19.9	19.7
10	19.2	19.0	17.8	19.7	18.1	18.1	18.9	19.8	17.4	14.2	16.9	13.9	14.9	16.2	19.1	17.7	20.8	23.6	24.4	24.1	24.5	25.5	27.5	25.2	19.8
11	20.5	20.1	17.2	17.1	16.8	14.4	16.8	17.0	17.7	16.3	17.7	20.3	17.9	15.8	16.0	18.2	21.6	26.3	26.2	25.5	24.2	23.0	21.5	20.5	19.5
12 D	19.4	16.9	18.2	18.9	18.7	17.6	16.4	17.4	16.9	16.1	15.8	21.2	22.5	19.0	19.2	23.7	25.6	24.4	25.9	27.5	27.7	24.1	21.3	20.7	20.6
13	15.7	15.9	17.3	17.5	17.8	17.8	18.3	17.5	18.6	19.7	17.0	16.2	16.7	15.7	16.2	18.0	21.4	23.5	22.6	21.1	20.7	20.4	20.0	19.8	18.6
14	19.6	19.4	19.3	18.3	18.3	18.5	18.5	17.1	16.4	16.3	17.4	16.9	16.1	16.5	16.5	18.7	21.2	22.1	22.6	23.2	22.6	21.2	20.4	19.7	19.0
15	19.4	19.7	20.0	17.2	15.4	15.0	17.3	16.3	16.8	16.0	16.0	15.8	15.6	14.8	15.0	17.3	21.2	23.2	23.9	23.3	22.1	21.0	20.7	20.1	18.5
16 Q	19.5	19.3	19.4	19.2	19.1	18.5	18.4	18.4	17.1	18.5	17.6	17.5	16.6	16.5	17.0	19.3	21.1	23.1	24.2	24.0	23.0	21.5	20.8	19.9	19.6
17	19.6	19.6	19.5	19.2	18.5	19.0	19.0	21.2	18.1	16.8	17.2	16.8	17.4	16.6	17.0	20.3	22.8	24.0	23.8	23.1	22.5	21.2	20.1	19.7	19.7
18	19.4	19.3	19.0	18.8	18.8	18.7	17.7	17.6	17.1	16.7	16.6	16.1	17.6	19.7	16.6	17.8	21.4	24.4	25.1	24.7	23.8	22.3	20.5	19.4	19.6
19 D	19.0	18.4	18.2	18.8	18.9	17.6	17.5	21.7	16.9	17.1	17.4	16.2	21.4	23.4	23.2	23.9	23.2	24.1	27.7	27.0	26.7	23.5	20.9	20.3	21.0
20	19.7	19.4	19.7	19.7	18.8	15.7	19.0	18.9	17.6	16.7	17.0	16.2	17.6	17.4	18.3	21.0	22.8	25.0	30.7	26.8	23.2	21.7	21.8	19.5	20.2
21 D	19.8	18.9	18.9	18.8	18.1	17.3	21.0	18.9	17.2	14.9	15.6	16.9	15.1	13.2	16.6	18.7	24.1	26.7	26.5	24.5	24.4	23.7	19.9	20.8	19.6
22	20.5	19.5	19.0	19.2	18.9	18.4	17.7	18.6	18.6	18.6	18.0	17.1	15.6	14.2	14.9	17.6	22.3	26.6	27.9	27.0	25.3	22.8	15.0	20.7	20.0
23	20.0	19.6	19.6	19.5	19.6	19.5	19.2	18.9	18.8	17.7	18.2	19.6	17.4	13.1	12.4	14.3	19.1	23.4	26.2	26.9	25.1	22.6	21.1	19.9	19.7
24	19.0	16.2	15.1	19.8	19.9	19.2	19.1	18.8	19.1	18.5	17.3	16.5	14.5	13.0	13.0	15.3	19.3	24.0	26.6	25.8	25.1	23.6	22.1	20.8	19.2
25	19.7	19.3	13.2	15.1	17.0	18.8	19.3	17.6	19.7	15.1	16.0	16.9	17.4	13.8	12.2	14.2	18.5	22.6	24.3	25.1	25.3	24.6	22.6	20.9	18.7
26	19.7	18.4	15.9	18.2	18.5	18.8	18.9	18.9	18.9	18.7	18.8	17.8	14.7	13.1	13.0	16.0	19.3	22.3	23.5	23.8	23.0	22.0	21.5	21.1	18.9
27 Q	20.6	19.7	19.5	19.4	19.0	18.8	19.0	19.1	17.8	17.1	17.8	16.8	15.0	13.5	14.3	15.0	19.3	23.4	24.7	24.3	24.6	22.8	21.9	20.6	19.3
28	19.8	19.4	19.5	19.1	19.0	18.6	18.3	18.1	17.9	17.7	17.7	16.9	16.1	15.9	16.2	17.0	21.1	23.4	24.4	24.4	24.7	25.5	22.6	19.8	19.7
29	19.6	19.1	17.4	17.1	15.8	16.6	16.1	13.4	16.5	18.9	18.6	18.0	17.9	18.1	16.1	16.4	18.7	21.0	23.3	24.4	24.2	23.5	21.9	20.2	18.9
30 Q	20.1	19.8	19.8	19.7	19.3	19.2	18.7	18.4	18.7	18.1	18.0	18.4	17.9	15.4	15.2	18.2	22.1	24.4	25.0	25.1	24.2	23.4	22.5	22.0	20.2
31	21.5	20.9	20.4	19.7	19.5	19.0	18.7	18.1	17.9	17.7	17.6	17.0	15.1	14.3	15.3	19.0	22.0	23.6	24.4	23.5	22.1	21.0	19.9	19.8	19.5
Mean	19.9	19.4	18.9	19.0	18.8	18.4	19.1	18.8	18.6	17.9	17.7	17.5	17.5	16.7	16.9	18.6	21.8	24.2	25.2	24.7	23.7	22.4	21.4	20.6	19.9

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 9 Agincourt

z = 56,000 γ +

March 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	151	150	150	150	149	151	149	138	133	143	145	145	144	141	140	138	136	140	142	145	146	147	147	148	145	
2	150	152	153	154	152	151	150	152	152	152	152	152	153	151	147	145	145	150	158	158	158	153	152	152	152	
3	152	151	151	152	150	150	147	147	147	147	149	150	149	146	146	145	152	155	155	156	159	165	165	169	152	
4	170	171	164	158	155	155	153	154	153	153	153	150	148	148	146	147	151	157	156	155	153	153	153	153	155	
5 D	153	152	152	151	152	148	151	148	144	130	134	137	140	141	129	132	139	149	149	153	156	156	154	154	146	
6 D	155	155	153	167	133	127	149	130	131	120	123	130	123	130	129	138	143	155	160	162	164	161	161	158	144	
7	158	159	158	160	158	152	136	141	149	154	154	155	155	154	154	149	149	153	160	159	160	159	157	158	154	
8 Q	157	156	156	151	151	153	154	153	155	155	156	156	156	156	153	148	148	153	155	156	156	159	156	155	154	
9 Q	155	153	154	153	153	151	150	152	151	150	153	153	155	153	154	150	148	153	155	156	155	154	151	153	153	
10	152	154	158	160	159	159	156	156	154	148	145	149	153	155	156	149	150	156	162	162	162	170	174	185	158	
11	181	178	181	175	132	129	137	138	153	156	151	156	156	152	148	145	141	146	152	156	161	161	160	159	154	
12 D	159	162	162	161	158	157	152	155	152	151	150	147	145	144	148	145	146	157	163	168	171	171	168	168	157	
13	169	171	169	164	163	161	159	157	156	150	150	155	158	157	156	151	152	157	157	157	160	162	163	161	159	
14	159	158	158	158	157	157	155	152	149	150	152	157	156	155	154	150	150	149	153	158	158	158	160	159	155	
15	157	158	161	149	147	155	161	163	162	160	157	157	155	155	153	145	146	150	152	156	155	160	161	160	156	
16 Q	157	155	155	155	155	153	152	152	153	155	154	155	158	157	155	156	155	155	160	156	158	158	157	157	156	
17	155	156	154	153	153	156	155	150	150	150	152	155	157	155	152	145	145	148	150	150	152	153	153	155	152	
18	152	152	152	151	151	151	151	150	151	150	150	152	152	153	149	146	144	149	151	157	163	163	162	161	153	
19 D	158	160	163	158	157	157	157	150	153	155	154	155	152	149	145	143	141	147	158	173	170	164	165	161	156	
20	160	157	157	157	156	146	155	157	157	157	157	157	158	157	156	155	150	150	152	158	157	154	161	167	156	
21 D	172	164	160	158	156	151	131	114	138	150	151	155	158	155	155	155	157	156	159	167	163	167	180	167	156	
22	158	157	155	155	153	152	150	152	153	154	155	157	157	155	150	147	144	149	150	156	157	163	163	162	154	
23	157	157	157	156	155	156	156	155	155	152	153	157	157	154	149	146	143	145	151	155	156	157	157	157	154	
24	157	161	161	162	158	157	156	156	153	150	154	157	157	155	155	149	146	150	153	155	156	156	156	155	155	
25	154	156	156	156	156	162	143	145	137	143	148	147	145	146	148	148	148	150	156	160	159	160	159	158	152	
26	156	156	156	157	160	160	156	154	154	153	154	156	154	151	149	149	148	150	149	150	145	150	145	148	146	153
27 Q	145	145	147	154	152	152	151	151	148	148	149	153	153	152	149	143	140	140	145	149	151	154	156	154	149	
28	150	150	149	149	149	148	148	149	150	148	148	150	153	154	150	142	142	147	148	155	159	159	161	161	151	
29	161	169	166	160	155	153	142	139	148	155	153	153	151	149	146	142	138	138	143	150	155	155	158	156	151	
30 Q	153	153	153	153	152	151	150	150	150	149	149	152	154	150	142	135	136	144	146	149	154	154	154	154	149	
31	151	148	147	146	147	146	146	146	147	145	147	148	148	146	142	139	142	148	152	153	152	148	148	148	147	
Mean	157	157	157	156	153	152	150	149	150	149	150	152	152	151	148	146	146	150	153	156	157	158	159	158	153	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt

H = 15,000 γ +

April 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	942	939	937	931	920	918	909	919	912	927	924	924	918	913	905	888	888	898	904	917	923	928	931	931	918
2	929	925	923	923	933	927	924	925	929	931	929	926	919	909	902	899	899	909	915	932	924	929	930	905	920
3	904	928	927	929	925	932	916	903	914	922	924	920	917	909	899	883	880	893	900	907	918	919	928	919	912
4	918	916	923	920	919	908	913	916	892	928	927	924	912	903	895	892	898	901	910	923	928	931	933	903	914
5	903	892	895	903	908	912	916	919	923	923	920	918	914	908	902	885	886	897	909	919	927	933	937	937	912
6 D	936	943	934	934	937	937	937	943	942	937	925	911	927	907	906	891	896	903	904	930	978	935	933	931	927
7 D	936	886	898	904	891	854	842	872	867	836	900	881	883	900	870	855	885	894	916	930	920	937	922	908	891
8 D	874	903	899	899	899	899	908	909	912	917	919	909	894	892	894	878	843	887	908	920	917	916	922	926	902
9	916	887	895	915	914	913	906	908	913	914	914	911	908	898	881	880	892	898	909	922	919	922	928	923	908
10 D	918	923	928	919	911	917	923	922	918	919	896	913	907	886	853	858	903	913	901	916	911	918	923	916	909
11	913	905	927	877	886	902	898	909	904	882	886	892	897	895	894	882	880	889	909	913	919	918	916	913	900
12	915	919	927	904	913	917	915	915	915	914	917	913	911	906	899	896	890	897	912	922	928	925	924	918	913
13 Q	917	913	913	913	916	915	913	914	914	917	919	918	912	904	893	886	892	901	909	922	928	928	928	930	913
14 Q	923	926	923	923	924	924	924	925	927	928	925	919	911	901	889	882	892	904	914	923	928	932	931	930	918
15	933	934	931	924	925	924	925	928	929	932	931	927	918	912	904	881	887	906	923	942	948	943	940	933	924
16	924	923	915	915	919	925	927	927	929	929	928	923	918	907	894	887	894	913	927	940	936	934	934	930	921
17	929	927	919	922	912	913	922	927	926	921	925	924	917	906	894	892	902	917	924	933	929	933	930	934	920
18	930	927	925	919	908	907	910	902	907	907	915	922	923	910	911	910	911	921	928	943	926	939	936	934	920
19	929	931	900	921	922	928	927	936	930	928	928	926	922	913	906	901	902	912	923	930	937	938	932	927	923
20	921	910	917	925	925	926	929	930	929	927	927	926	918	908	897	887	887	917	932	937	944	951	945	943	923
21	943	947	941	945	945	941	945	936	937	936	944	940	933	917	901	896	880	878	911	926	938	936	925	902	927
22 D	873	868	880	885	889	905	896	893	903	920	915	895	896	886	874	843	855	896	921	949	943	934	927	926	899
23	903	893	895	900	915	910	912	920	919	920	930	922	921	907	895	896	901	927	942	954	946	939	930	923	917
24 Q	921	922	922	923	921	921	923	924	925	925	925	924	919	916	913	909	906	906	929	951	952	948	937	930	925
25	927	924	922	924	924	924	931	925	929	927	925	923	920	905	884	874	898	915	940	944	937	941	936	936	922
26	929	927	925	926	932	936	927	890	895	927	929	914	913	912	899	899	903	918	926	936	939	935	924	926	920
27	925	922	926	923	926	909	910	914	919	915	919	915	914	906	894	905	925	940	951	952	945	950	942	935	924
28	932	931	930	927	923	934	936	928	929	925	929	926	922	908	899	899	913	928	947	951	951	947	938	933	929
29 Q	933	938	933	932	932	930	931	928	929	931	928	923	913	901	899	918	928	935	943	948	943	934	928	928	929
30 Q	927	933	936	934	932	930	928	923	921	925	927	925	920	918	911	917	933	950	959	956	955	942	938	932	932
31																									
Mean	921	919	919	918	918	918	917	918	918	920	922	918	914	905	895	889	895	909	922	933	935	934	931	925	917

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 11 Agincourt

D = 7° W + ...'

April 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	19.9	19.9	20.1	19.8	15.9	17.7	16.2	15.8	20.1	11.9	14.6	16.7	16.4	18.2	17.9	19.6	23.1	25.9	25.7	23.6	22.5	21.2	20.0	19.9	19.3	
2	20.0	20.1	20.1	17.9	18.1	20.4	19.1	18.7	18.1	17.9	17.3	16.7	16.3	16.2	18.4	21.3	23.7	25.8	26.7	25.8	25.8	23.7	23.5	20.1	20.5	
3	17.9	19.9	19.9	19.7	19.4	16.8	16.1	16.1	16.8	17.9	17.8	17.1	15.2	14.8	15.5	18.3	24.7	27.1	29.0	26.5	25.1	21.8	20.3	19.1	19.7	
4	18.6	17.9	19.8	19.8	18.3	17.1	26.0	18.4	25.1	23.9	15.1	13.5	13.8	12.7	14.2	18.4	21.9	24.7	25.9	25.5	24.0	22.1	20.8	19.0	19.8	
5	14.0	16.7	16.2	16.3	19.1	18.9	20.0	19.0	18.9	19.0	18.9	17.5	15.3	13.2	14.3	17.5	22.7	26.2	27.1	26.4	24.7	22.6	21.3	20.3	19.4	
6 D	19.8	19.8	19.4	19.9	19.9	19.4	19.4	9.4	16.7	21.6	17.0	13.8	13.6	12.6	15.2	20.1	24.1	26.5	31.2	31.3	31.0	29.7	23.9	23.9	20.8	
7 D	12.0	16.1	18.9	13.9	12.8	27.4	30.1	20.7	13.0	22.8	21.4	20.1	27.8	26.7	19.8	21.3	21.6	25.3	26.5	28.2	24.6	26.4	20.1	7.5	21.1	
8 D	6.2	17.0	13.8	16.1	13.8	18.1	20.4	23.4	22.5	20.2	20.0	16.6	17.2	20.0	21.3	23.1	25.1	28.1	29.9	30.3	28.1	20.4	21.9	22.1	20.6	
9	15.4	14.9	21.2	20.1	19.9	20.1	22.7	20.7	16.6	17.5	17.9	17.3	16.1	16.4	21.1	25.1	24.5	27.6	28.2	27.6	26.4	23.6	22.4	20.3	21.0	
10 D	20.1	20.2	21.0	18.4	18.2	19.3	18.5	17.8	17.0	18.0	15.9	17.3	14.4	12.4	20.4	19.0	21.2	18.9	19.0	19.7	17.2	24.4	13.7	20.9	18.5	
11	19.9	13.7	11.9	13.0	14.6	19.2	27.4	25.9	16.2	15.6	19.9	19.9	19.9	16.8	17.5	21.1	26.4	27.0	25.2	25.6	25.3	22.7	21.8	19.6	20.3	
12	20.8	19.7	17.3	18.8	20.4	20.0	19.8	19.6	19.7	19.5	19.1	18.8	18.0	18.8	18.0	19.2	20.8	23.9	25.0	25.3	25.1	26.1	25.4	20.8	20.8	
13 Q	17.1	20.9	20.3	20.1	19.7	19.6	19.6	19.2	19.1	19.7	19.1	18.2	17.3	16.9	17.8	17.4	21.5	25.6	26.3	25.4	24.5	23.4	22.3	20.8	20.5	
14 Q	17.7	17.9	19.9	20.3	20.2	19.9	19.8	19.3	19.1	18.6	17.9	17.1	15.8	15.7	16.6	19.0	23.0	26.4	27.1	27.2	25.4	23.8	22.2	21.4	20.5	
15	20.5	20.0	19.1	12.4	14.2	18.6	18.4	18.3	17.8	17.1	16.2	15.4	14.0	12.3	13.3	14.6	21.5	29.0	29.6	27.1	26.6	25.7	23.6	21.4	19.4	
16	19.0	19.1	17.5	19.5	18.8	18.8	19.1	18.7	18.5	18.0	17.1	14.4	13.1	14.4	17.0	20.5	25.2	28.2	29.3	27.1	24.6	22.7	21.3	20.3	20.1	
17	20.2	19.4	15.5	13.9	11.6	16.9	18.5	18.0	17.9	17.3	17.0	15.0	14.5	14.5	16.2	20.6	22.5	24.6	26.3	25.6	25.0	23.7	22.6	21.6	19.1	
18	21.8	20.6	19.7	17.9	15.0	17.2	16.8	15.1	17.8	14.3	11.7	11.3	12.2	12.7	19.9	19.1	22.3	25.4	24.9	24.7	25.2	23.6	21.8	20.2	18.8	
19	20.4	19.6	11.3	14.4	18.0	19.7	19.5	20.1	17.4	16.4	16.0	15.0	14.5	15.0	16.2	18.3	20.8	23.3	24.4	24.3	23.2	21.9	20.9	19.6	18.8	
20	20.0	18.7	20.0	21.0	18.9	19.2	19.7	19.1	18.3	18.0	16.9	15.7	14.6	14.0	16.3	19.1	22.6	28.4	28.4	26.9	24.6	22.2	20.6	19.7	20.1	
21	18.2	18.9	18.2	19.1	17.2	15.9	18.1	18.2	18.6	18.2	15.2	12.9	12.7	13.9	16.0	19.8	20.4	28.1	31.9	32.9	25.8	21.9	20.8	19.5	19.7	
22 D	10.8	12.0	13.1	6.0	15.7	21.2	20.1	18.2	24.6	18.9	18.2	22.9	21.5	16.8	24.2	25.7	33.0	31.3	28.0	25.5	24.4	22.1	18.2	18.2	20.4	
23	18.2	15.5	14.2	13.4	17.5	23.6	18.1	25.0	15.5	19.2	20.2	17.8	17.7	16.5	18.1	21.9	26.4	27.5	26.3	24.9	23.0	21.0	20.1	19.9	20.1	
24 Q	19.5	15.1	20.4	20.4	20.3	20.5	20.8	20.5	19.3	19.3	18.1	16.5	15.6	17.3	17.5	18.7	21.9	23.5	25.5	24.7	23.1	22.6	21.2	20.3	20.3	
25	19.9	20.2	19.9	19.9	19.5	19.3	21.9	19.9	19.2	17.1	19.0	18.1	13.0	13.5	14.1	20.4	28.6	30.6	31.3	30.3	27.3	23.8	21.3	20.0	21.2	
26	19.3	19.3	18.1	19.2	19.3	20.8	17.3	15.4	30.2	14.5	13.5	14.8	16.0	18.5	19.7	22.0	22.9	24.7	24.9	24.4	23.4	22.3	21.0	20.1	20.1	
27	19.7	20.3	19.3	19.9	21.7	17.1	17.2	17.1	16.5	19.1	17.5	15.4	14.9	16.2	18.8	24.1	25.8	25.9	25.8	25.9	24.9	23.0	22.1	21.6	20.4	
28	20.8	20.3	20.0	19.6	20.3	21.1	21.7	18.2	18.3	17.3	15.5	14.6	14.8	15.7	19.1	22.5	25.9	27.4	25.7	25.9	24.8	23.6	21.8	21.2	20.7	
29 Q	20.6	20.3	18.7	18.1	19.9	19.6	18.8	18.2	17.1	17.1	16.5	15.4	14.7	17.5	23.6	24.9	25.6	26.6	27.4	27.3	26.6	24.5	22.1	21.3	20.9	
30 Q	19.0	21.5	20.9	20.4	19.4	18.8	18.2	17.6	17.0	17.7	17.3	15.6	15.5	16.5	18.2	22.7	26.4	27.3	26.0	25.7	24.1	23.0	21.9	21.3	20.5	
31																										
Mean	18.2	18.7	18.2	17.6	17.9	19.4	20.0	18.7	18.8	18.1	17.3	16.4	15.9	15.9	17.9	20.5	24.0	26.4	27.0	26.4	24.9	23.3	21.4	20.1	20.1	

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 12 Agincourt

Z = 56,000 γ +

April 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	146	139	138	143	138	145	145	147	130	102	134	136	135	139	137	139	140	144	145	152	153	155	153	150	141
2	146	145	145	144	133	139	144	145	145	145	145	145	145	144	140	139	146	152	152	153	155	158	164	176	148
3	169	152	146	144	144	130	104	119	143	144	145	149	147	144	143	137	136	139	145	153	155	157	160	154	144
4	150	154	148	144	143	132	113	115	103	89	100	126	137	139	138	139	140	148	150	150	149	151	156	162	136
5	162	158	160	157	155	151	151	150	150	149	150	150	150	149	146	141	139	139	140	141	143	147	147	144	149
6 D	142	142	141	143	134	141	119	117	130	121	94	118	125	135	137	137	136	139	149	161	181	210	180	174	142
7 D	158	155	167	154	134	63	19	44	56	45	113	112	105	105	117	138	142	147	147	159	177	182	211	186	127
8 D	173	154	149	111	132	141	143	140	138	140	144	141	134	133	132	127	160	178	169	171	171	173	164	164	149
9	166	165	160	156	154	148	133	130	142	148	149	148	148	143	139	137	139	141	146	151	155	154	154	155	148
10 D	152	150	152	152	153	157	154	149	137	74	62	76	103	125	128	138	141	149	166	193	202	208	204	179	146
11	171	149	99	110	139	143	117	110	123	117	110	122	132	137	139	141	146	150	153	152	154	160	162	166	138
12	159	154	139	146	151	150	150	148	147	147	147	146	145	140	141	140	139	145	153	154	159	164	170	177	150
13 Q	164	163	154	153	150	150	150	148	149	149	152	152	150	147	147	145	142	147	154	158	158	154	153	154	152
14 Q	154	149	150	149	148	148	148	148	148	148	149	151	149	146	139	136	140	141	146	149	148	149	149	147	147
15	146	146	148	141	135	140	143	148	147	146	147	146	143	140	135	131	130	127	129	140	142	141	144	140	141
16	142	146	150	146	146	143	143	146	143	142	142	141	141	141	141	141	136	133	135	143	149	154	152	151	144
17	147	146	143	121	119	137	142	143	141	141	141	141	140	135	131	129	123	129	134	137	140	146	144	143	137
18	144	143	142	142	138	135	130	130	128	123	124	130	134	134	134	129	130	128	131	142	143	146	148	151	136
19	149	145	149	135	142	143	142	133	137	142	144	144	140	134	127	123	125	133	141	147	149	148	149	149	140
20	149	150	149	136	136	141	143	143	142	142	142	143	142	141	136	128	129	133	130	134	143	145	147	149	141
21	148	143	142	143	137	138	140	139	142	143	143	142	139	137	135	137	133	150	168	184	199	189	172	173	151
22 D	183	167	148	129	131	95	101	115	70	107	119	110	126	135	136	140	149	164	179	186	188	197	195	187	144
23	186	179	156	139	115	129	132	109	132	131	124	129	134	143	144	145	145	148	151	157	159	160	160	157	144
24 Q	157	155	152	152	152	152	153	153	152	155	157	154	150	149	149	149	146	147	151	153	155	158	157	157	153
25	154	152	151	151	151	151	143	141	143	151	144	133	140	143	138	141	150	156	157	159	166	163	162	157	150
26	157	157	156	155	154	130	110	119	90	126	144	138	141	134	133	140	146	151	154	155	157	161	165	166	143
27	163	158	157	157	139	133	138	151	161	154	152	155	153	143	136	140	149	156	157	158	163	164	164	165	153
28	163	162	162	161	161	149	122	136	151	151	152	151	150	144	140	139	144	147	146	149	151	157	163	163	151
29 Q	157	157	151	147	151	152	152	151	151	151	151	151	151	148	144	140	139	140	144	149	155	158	158	159	151
30 Q	157	152	151	151	151	151	151	151	151	151	149	147	147	145	139	145	148	150	152	157	163	161	163	158	152
31																									
Mean	157	153	148	144	142	139	132	134	134	132	136	138	139	139	137	138	140	145	149	155	159	162	162	160	145

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 13 Agincourt

H = 15,000 γ +

May 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	943	920	926	932	932	929	923	923	923	926	928	927	922	914	908	909	922	928	947	953	960	956	943	928	928	
2	930	933	926	920	918	922	932	928	928	923	921	923	925	913	901	905	907	916	932	940	947	948	945	929	925	
3	931	927	928	921	917	921	922	927	918	919	922	922	916	908	896	895	896	907	919	927	937	947	947	942	921	
4 Q	937	936	936	934	932	932	938	937	931	932	932	930	926	918	906	902	907	917	928	940	944	945	944	943	930	
5	941	939	936	936	936	936	936	936	935	936	936	936	933	928	926	921	922	930	947	962	972	981	982	969	942	
6 D	946	967	956	956	953	951	947	949	947	942	928	918	927	903	860	865	871	882	895	915	921	945	936	912	925	
7	916	918	905	912	909	911	912	912	914	908	905	906	902	902	895	891	895	906	920	931	926	932	937	927	912	
8	926	918	921	920	926	925	926	925	923	921	922	926	925	915	909	908	902	894	898	909	924	934	928	936	919	
9	930	924	921	919	914	915	915	916	914	914	916	917	917	912	905	904	911	921	930	940	939	935	931	932	920	
10	931	929	924	922	922	921	926	929	927	927	923	922	920	917	916	905	915	923	930	929	924	927	929	927	924	
11	925	925	924	925	930	931	930	932	934	932	934	935	932	916	911	901	896	901	908	915	929	938	928	927	923	
12	921	924	925	923	924	924	925	923	923	921	920	920	915	910	907	912	924	935	937	939	935	931	930	930	924	
13 D	929	930	934	932	923	919	914	922	922	924	920	917	904	915	909	921	938	942	945	947	951	946	945	938	929	
14 D	915	895	902	899	903	922	925	930	932	936	936	930	930	929	924	925	924	927	929	935	950	945	939	932	925	
15 D	929	925	940	945	925	930	935	933	937	940	935	925	921	916	895	907	904	916	931	931	948	951	946	939	929	
16	935	938	939	939	938	921	909	913	928	911	918	926	923	914	904	911	921	930	941	944	950	959	951	936	929	
17	934	936	935	935	937	935	935	938	934	934	930	928	920	914	913	909	910	924	939	955	954	954	945	939	933	
18 Q	939	938	938	936	933	934	936	934	935	939	939	938	926	910	897	904	918	934	944	945	947	945	947	946	934	
19	946	950	951	941	941	943	939	929	923	934	929	934	934	935	926	920	935	946	960	962	960	952	949	946	941	
20	945	946	939	938	943	938	937	940	936	937	935	935	934	926	918	915	922	935	949	955	951	949	947	944	938	
21	937	948	938	937	936	937	935	936	935	936	938	934	924	913	917	918	924	929	935	943	949	951	952	950	935	
22	947	938	938	938	937	935	934	938	938	941	943	942	936	924	911	915	922	938	944	949	950	950	939	939	937	
23 Q	941	943	945	943	934	942	943	936	934	938	939	936	934	932	931	929	928	933	934	939	939	940	940	944	937	
24 Q	945	945	946	941	936	934	940	939	941	943	944	945	936	925	918	924	930	936	945	954	959	956	951	948	941	
25 Q	950	950	950	951	949	950	951	951	951	950	948	944	931	919	911	914	925	940	951	964	963	958	952	952	945	
26	954	955	955	951	955	951	952	952	955	952	951	946	929	911	909	915	933	954	967	968	966	975	970	957	949	
27	945	950	948	951	970	966	937	926	924	921	920	918	919	912	884	878	902	926	937	956	953	960	944	940	933	
28	936	935	936	936	938	933	928	931	927	926	922	922	921	907	901	907	916	927	938	951	963	961	936	936	931	
29	941	940	940	931	926	931	936	926	939	931	931	922	917	910	910	921	941	957	971	973	971	958	948	937	938	
30	936	940	941	939	938	936	937	936	937	937	937	938	936	933	926	921	921	926	943	951	953	953	953	954	961	940
31 D	957	959	958	958	964	958	941	915	925	924	915	912	880	880	894	890	896	924	926	936	957	948	942	941	929	
Mean	937	936	936	934	934	933	932	931	931	931	930	928	923	915	908	908	916	926	936	944	948	949	944	940	931	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7° W +'

May 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	20.0	14.3	20.7	20.8	20.5	22.2	18.1	19.2	18.3	17.8	17.4	14.8	11.7	15.3	18.3	22.2	26.6	28.6	27.7	29.4	25.7	24.8	25.7	23.8	20.9	
2	22.1	22.1	22.0	21.9	18.2	20.2	17.3	18.1	18.0	16.5	14.8	13.6	13.6	14.2	17.1	20.4	24.0	29.3	30.6	29.9	28.2	26.0	25.6	24.5	21.2	
3	21.2	21.6	20.5	17.6	18.4	19.3	18.2	18.2	15.8	17.6	17.7	13.8	12.8	13.7	16.5	20.2	22.8	25.0	26.6	26.5	24.0	22.1	21.1	20.3	19.6	
4 Q	20.0	20.4	18.5	19.9	19.3	19.2	19.4	18.5	17.4	16.9	15.0	14.5	12.6	11.7	15.8	19.4	23.1	25.1	25.7	25.1	24.1	22.8	21.7	20.8	19.4	
5	20.4	20.3	20.1	20.1	19.8	19.3	19.1	17.6	17.6	17.4	16.2	15.0	14.7	15.0	15.6	17.6	19.9	22.0	23.9	25.6	25.2	24.0	23.1	24.0	19.7	
6 D	23.9	21.9	20.1	19.9	19.0	18.2	17.7	16.3	15.3	14.6	15.4	16.3	20.5	21.1	22.2	28.4	33.8	25.0	29.7	29.2	26.4	24.8	24.0	20.3	22.0	
7	18.3	19.4	16.2	19.3	18.2	19.1	20.2	20.7	20.3	18.9	16.7	16.1	15.5	15.8	17.6	19.2	22.0	23.9	24.7	25.5	25.5	24.6	23.1	23.1	20.1	
8	22.0	20.6	20.8	20.3	20.1	19.3	20.2	19.8	19.4	18.4	16.7	15.3	14.7	13.7	14.9	15.8	18.7	22.0	24.5	24.8	24.7	23.6	21.7	20.8	19.7	
9	20.8	21.1	20.6	21.1	20.4	19.2	19.5	19.4	19.3	19.1	18.1	15.7	15.5	14.7	15.2	17.4	20.4	22.4	23.7	23.8	23.7	23.7	22.3	21.0	19.9	
10	20.1	18.4	18.8	12.1	17.5	18.2	18.6	20.0	20.1	19.8	16.2	14.8	13.7	14.5	17.2	20.2	24.0	23.4	23.8	24.2	23.0	21.7	20.8	19.8	19.2	
11	19.5	19.6	20.0	20.1	18.8	19.1	18.5	19.6	19.2	18.1	16.2	14.9	14.8	16.3	18.3	18.6	24.4	26.8	28.3	27.7	23.2	22.1	20.7	18.3	20.1	
12	19.2	19.5	19.5	19.5	19.4	18.1	18.6	19.4	19.9	19.7	18.2	16.6	16.4	17.4	19.3	21.8	25.8	26.8	26.4	25.1	23.6	22.4	20.8	19.5	20.6	
13 D	20.1	20.1	20.1	19.5	18.6	15.6	16.6	18.3	17.7	17.5	17.4	17.0	21.4	19.3	16.8	20.0	22.9	24.0	24.0	21.8	20.9	21.8	18.4	18.3	19.6	
14 D	18.6	15.6	14.9	11.4	11.4	17.7	20.1	19.4	21.1	23.3	16.8	16.0	13.9	13.1	16.0	17.2	20.2	23.0	24.3	24.0	22.3	20.6	20.6	17.0	18.3	
15 D	19.0	20.0	13.9	18.7	15.9	18.5	20.0	22.4	19.2	17.7	15.9	15.6	14.1	15.4	16.8	23.0	26.1	26.9	26.6	26.9	23.8	21.9	21.3	21.2	20.0	
16	20.8	20.3	20.4	20.4	19.0	14.3	15.9	16.9	17.7	22.2	24.6	17.0	13.8	14.8	17.2	21.1	24.4	25.1	24.6	24.1	23.6	21.1	19.4	20.7	20.0	
17	21.1	20.9	21.0	20.7	20.4	19.6	19.8	19.6	19.5	20.6	19.5	17.3	15.7	16.8	18.1	20.8	22.9	24.3	26.3	25.2	23.9	21.1	19.6	19.1	20.6	
18 Q	19.5	20.4	20.3	19.3	19.5	20.5	20.4	19.9	19.5	18.4	16.1	12.3	13.1	13.6	16.5	23.3	27.7	28.5	27.7	26.1	23.8	21.9	20.3	19.2	20.3	
19	19.7	19.7	20.4	20.7	20.2	20.6	17.4	16.9	21.6	13.9	13.3	12.5	13.8	13.9	17.3	19.0	23.1	24.9	25.8	24.2	21.9	21.9	20.5	19.6	19.3	
20	19.7	20.1	20.4	19.6	19.8	19.4	19.7	19.6	18.2	18.0	15.0	13.5	11.5	11.3	12.8	17.7	25.8	26.6	25.2	23.2	22.1	20.2	19.7	18.7	19.2	
21	19.6	20.2	19.7	20.5	20.6	20.4	19.8	19.6	18.8	17.9	16.1	13.1	13.9	13.9	16.4	19.6	22.1	25.4	26.2	26.0	24.3	22.3	20.1	19.0	19.9	
22	18.5	18.4	18.4	20.5	20.8	20.5	20.2	19.6	19.2	17.8	16.5	13.6	13.1	13.1	15.6	20.7	24.2	26.6	27.8	27.0	25.9	22.1	20.8	19.5	20.1	
23 Q	18.7	19.5	19.8	19.8	19.7	19.7	19.7	20.2	19.8	18.1	16.3	14.2	12.4	12.5	14.9	18.2	22.1	25.4	27.2	26.3	23.9	22.3	21.0	19.6	19.6	
24 Q	19.8	19.7	18.8	18.2	18.4	24.4	19.8	19.7	19.2	18.6	16.9	15.7	15.2	15.9	17.2	19.2	23.0	25.2	26.2	26.2	24.4	22.6	20.6	19.8	20.2	
25 Q	19.9	20.6	20.7	20.4	19.9	19.7	18.9	18.7	18.2	17.2	15.2	12.2	12.2	13.4	16.5	20.6	24.4	26.7	26.9	24.1	22.4	20.4	18.9	18.7	19.5	
26	19.8	20.5	20.4	20.3	19.9	19.7	18.7	18.0	17.4	16.5	14.0	11.8	10.3	12.8	18.0	22.5	26.4	27.2	27.0	25.9	23.8	20.4	19.2	19.5	19.6	
27	21.2	21.6	21.5	20.5	18.9	17.7	11.5	14.1	15.2	12.6	9.1	9.3	11.2	11.0	12.9	21.2	29.9	28.7	29.5	27.4	26.3	23.2	19.8	19.3	19.0	
28	20.8	21.7	21.5	20.7	19.4	20.6	20.6	19.7	18.6	18.6	16.9	14.5	15.1	18.6	22.2	26.0	26.9	25.5	26.2	24.0	22.4	20.3	18.7	19.5	20.8	
29	20.4	21.5	19.8	21.0	19.6	20.9	20.6	20.2	20.9	14.1	14.0	13.1	15.3	17.9	22.2	26.8	29.0	30.0	28.1	25.4	22.2	20.4	19.7	19.5	20.9	
30	20.7	21.1	21.5	20.9	21.4	19.9	19.7	19.0	18.1	17.6	16.3	14.3	13.5	15.4	18.7	24.2	28.8	30.2	29.0	27.1	24.2	21.9	19.9	19.0	20.9	
31 D	20.4	20.4	20.7	20.3	19.8	18.6	12.6	15.0	17.0	15.5	14.9	8.7	21.6	20.7	21.0	22.7	26.9	29.6	29.6	29.0	26.2	23.5	21.7	20.3	20.7	
Mean	20.2	20.1	19.7	19.6	19.1	19.4	18.6	18.8	18.6	17.8	16.2	14.3	14.4	15.1	17.3	20.8	24.6	25.9	26.6	25.8	24.1	22.3	21.0	20.2	20.0	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 15 Agincourt

Z = 56,000 γ +

May 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	158	156	157	159	155	151	145	151	152	152	154	151	151	149	142	139	143	144	151	152	155	167	175	169	153
2	167	164	168	168	168	155	138	132	146	149	152	152	149	144	141	138	133	136	143	152	162	174	183	189	154
3	186	175	170	165	158	155	149	143	143	152	150	152	152	153	150	146	144	147	152	155	158	157	158	157	155
4 Q	155	151	148	149	149	150	144	137	145	151	151	150	149	146	140	138	142	143	144	144	146	149	150	150	146
5	150	149	148	148	147	146	145	143	144	146	146	144	143	142	140	132	131	132	132	132	132	133	139	145	142
6 D	142	141	139	140	143	143	143	143	142	143	145	143	131	126	127	132	137	156	193	221	215	194	201	193	156
7	177	151	152	152	150	152	153	150	145	148	150	148	146	144	140	137	139	140	147	153	156	161	162	161	151
8	160	160	156	152	151	149	146	145	150	153	154	153	152	147	138	137	138	139	139	140	149	156	162	166	150
9	160	155	154	154	151	150	150	150	150	151	154	154	150	143	143	143	145	145	143	145	146	147	146	145	149
10	148	150	153	154	148	148	148	145	138	136	143	145	143	138	132	126	131	134	134	139	143	148	150	145	142
11	145	146	144	146	145	145	143	144	143	145	145	144	143	134	121	118	124	135	143	146	155	153	159	160	143
12	154	151	148	148	148	143	139	139	145	148	148	146	144	142	136	131	132	134	137	139	142	143	148	149	144
13 D	147	145	144	143	138	125	140	145	148	148	144	142	135	128	127	131	132	134	141	147	163	174	189	188	146
14 D	194	192	167	145	138	141	131	137	147	148	151	149	148	146	145	139	140	143	146	154	167	178	173	173	154
15 D	164	160	143	115	137	149	150	139	135	149	149	150	149	150	148	155	148	153	167	168	161	162	156	152	150
16	151	150	150	148	145	118	126	139	145	132	119	121	130	130	134	137	140	146	149	154	156	154	156	153	141
17	151	150	150	149	148	146	148	145	144	148	145	143	144	144	139	136	139	142	143	147	151	156	155	154	147
18 Q	152	151	151	146	146	147	148	148	150	151	151	150	147	146	144	135	130	133	140	144	149	153	151	150	146
19	149	149	146	146	149	146	137	133	121	128	140	145	143	142	135	130	137	143	143	147	155	152	152	151	143
20	150	149	150	149	144	143	144	141	143	144	144	144	140	143	143	144	143	146	144	144	144	149	152	155	147
21	152	152	151	150	150	150	149	150	151	152	153	153	152	145	144	144	147	150	156	158	158	158	158	156	152
22	152	152	150	148	148	148	148	150	151	152	155	152	146	144	137	137	139	138	140	145	145	147	151	152	147
23 Q	150	147	147	146	146	146	147	147	146	149	152	151	146	139	131	126	122	127	135	139	143	145	145	147	142
24 Q	148	148	148	147	146	149	149	149	148	151	150	147	146	146	136	124	124	128	135	142	146	150	151	149	144
25 Q	146	148	146	147	147	146	146	146	146	148	151	152	148	145	140	139	139	145	147	151	153	152	148	145	147
26	144	145	145	145	145	145	146	146	146	146	148	146	146	143	139	131	135	135	140	146	145	146	151	154	144
27	153	152	148	146	148	126	120	140	146	148	151	148	145	140	135	137	146	147	157	172	173	186	188	171	152
28	163	158	154	153	147	149	153	154	153	150	144	141	140	139	138	135	129	135	149	166	177	179	171	160	151
29	155	152	152	147	149	152	153	147	124	136	149	149	147	143	138	143	147	149	155	158	160	158	154	149	
30	150	148	150	149	149	143	148	149	152	154	154	152	152	149	152	154	147	142	146	147	147	155	158	155	150
31 D	149	147	147	147	147	146	117	143	154	146	107	78	68	88	105	130	153	160	166	171	178	180	186	191	142
Mean	156	153	151	148	148	145	143	144	145	147	147	145	143	141	138	136	138	141	147	152	156	159	161	159	148

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 16 Agincourt

H = 15,000 γ +

June 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	943	936	936	937	935	928	931	924	922	930	916	915	921	915	905	894	896	906	926	936	944	939	952	951	927
2	942	942	936	937	941	941	933	932	931	932	937	933	923	914	906	898	903	918	932	942	950	947	952	946	932
3	938	937	938	940	938	937	936	933	933	932	936	936	932	927	916	908	919	944	964	977	972	965	952	944	940
4	942	918	920	918	935	936	936	937	934	922	919	920	920	916	903	899	913	925	940	964	959	959	947	933	930
5	931	931	931	933	927	933	934	922	919	926	925	926	921	911	912	916	924	938	966	967	974	973	959	966	936
6	928	915	905	911	918	906	897	911	917	916	919	918	916	907	905	902	909	930	942	941	960	951	952	941	922
7	944	947	945	941	945	952	962	947	937	938	935	935	938	930	917	914	927	939	950	952	952	950	941	937	941
8	933	930	931	933	938	938	932	936	935	936	937	936	932	926	922	925	937	950	962	965	962	957	963	965	941
9	952	959	947	941	926	908	925	947	946	952	949	946	931	925	912	924	924	924	933	934	950	943	957	954	938
10	936	926	929	920	912	897	912	915	931	913	922	924	924	919	918	922	929	937	942	952	954	952	948	927	
11	950	945	947	941	952	947	939	940	943	943	944	941	933	922	918	918	926	931	936	940	947	951	958	946	940
12	941	947	944	942	946	947	947	952	944	947	945	941	943	934	932	936	947	955	954	952	948	952	946	945	945
13	949	947	948	947	941	943	945	942	941	942	941	945	939	932	919	925	929	938	956	963	963	958	954	952	944
14	949	950	950	942	947	936	941	944	942	944	947	942	930	926	926	929	930	938	943	950	966	968	967	941	944
15	952	946	940	947	949	940	946	946	939	932	928	927	926	913	910	906	917	942	952	959	961	960	955	946	939
16	955	937	939	944	942	940	942	941	943	941	941	940	932	927	922	919	931	939	951	963	970	960	955	944	943
17	936	942	945	945	946	948	946	944	941	940	941	939	935	932	928	921	929	935	945	956	963	963	958	960	944
18	959	947	947	945	949	950	949	948	947	950	949	942	942	921	913	916	929	946	962	971	964	956	951	951	946
19	953	953	951	949	951	949	948	951	953	951	952	948	933	932	930	931	930	943	955	961	966	967	965	956	949
20	955	956	956	956	955	954	957	960	965	953	946	944	938	925	908	901	909	928	937	952	964	976	974	967	947
21	962	959	958	961	965	963	965	964	961	962	958	941	942	930	912	920	940	955	964	957	954	970	976	968	955
22	955	934	933	944	943	943	938	942	940	936	935	937	934	920	913	911	918	936	962	978	976	978	965	963	943
23	947	945	941	937	946	927	942	940	952	944	944	936	927	924	923	919	916	927	941	962	967	977	966	956	942
24	950	941	939	941	941	945	943	943	934	932	932	936	932	921	916	913	931	941	945	961	967	967	972	962	942
25	955	946	947	948	948	943	928	928	937	938	938	937	934	929	925	922	922	924	928	938	955	961	958	953	939
26	944	944	945	945	943	944	945	947	947	952	953	947	934	927	929	928	938	959	969	970	963	963	935	953	947
27	964	955	950	959	954	948	929	928	905	902	900	903	911	937	938	913	914	928	928	945	975	980	954	961	937
28	947	938	939	938	942	942	942	929	925	919	932	933	928	918	923	913	926	934	950	958	968	982	952	948	938
29	948	941	947	948	939	944	952	946	935	940	932	928	922	930	916	910	909	934	946	951	967	964	969	961	940
30	953	950	951	948	940	934	934	937	921	935	936	932	924	918	920	914	916	919	939	949	960	959	956	949	937
31																									
Mean	947	942	941	941	942	939	939	939	937	937	936	934	930	924	918	915	923	935	947	955	961	962	957	952	940

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 17 Agincourt

D = 7° W + ...'

June 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	19.5	19.1	18.8	18.7	19.6	20.7	21.0	23.3	29.1	20.9	20.1	16.8	12.2	13.2	15.9	19.9	24.3	26.8	27.7	26.9	24.7	22.5	20.7	20.5	21.0	
2	20.6	21.5	20.7	21.6	20.7	19.9	20.1	20.0	19.6	19.9	17.9	15.3	14.3	14.2	16.2	19.1	23.0	26.3	26.4	27.1	26.2	24.4	20.7	20.7	20.7	
3	20.7	20.5	20.9	21.0	20.9	20.9	19.9	19.4	18.9	18.0	16.0	13.2	12.1	12.1	14.4	19.7	25.4	29.9	29.1	27.1	24.5	22.5	21.0	20.7	20.4	
4	19.9	14.5	18.0	19.7	21.6	21.4	21.3	24.4	19.8	18.5	15.7	10.8	11.1	14.1	16.4	22.1	28.4	28.9	27.1	24.5	24.1	21.0	21.0	17.9	20.1	
5	19.9	20.9	21.3	21.2	21.6	21.5	20.1	21.8	25.3	18.0	14.4	12.9	11.4	13.5	16.5	20.3	25.6	26.4	26.5	25.8	23.2	22.2	22.2	20.2	20.5	
6	21.2	17.0	16.9	18.3	18.3	19.0	23.2	18.5	18.0	16.2	15.9	12.5	12.5	13.8	16.0	18.7	24.0	17.8	18.8	18.7	25.6	23.9	22.6	22.7	18.8	
7	21.4	20.4	20.3	20.9	20.9	19.8	17.4	19.9	17.8	18.8	15.9	15.6	16.4	16.4	15.9	20.2	24.5	24.9	24.9	25.3	24.4	22.6	22.2	21.6	20.3	
8 Q	21.6	21.6	21.4	21.0	20.7	20.4	19.6	19.5	18.8	18.3	15.3	13.2	12.9	13.3	16.5	20.2	23.5	24.9	24.5	23.9	23.6	22.5	20.9	18.5	19.8	
9 D	20.4	20.6	18.7	17.6	7.2	13.6	15.2	15.5	16.6	22.8	11.1	8.2	9.9	12.4	14.9	19.2	20.9	24.0	23.9	27.2	26.2	25.3	21.5	15.9	17.8	
10 D	12.5	17.9	17.8	9.1	17.2	17.9	16.1	21.5	21.6	28.3	19.8	12.9	14.2	14.2	14.3	18.2	21.3	23.9	25.1	25.3	24.3	23.2	21.3	20.6	19.1	
11	20.7	20.8	20.9	19.0	15.9	18.6	19.5	20.2	23.5	18.0	15.3	12.4	12.3	13.9	18.7	22.4	24.3	25.1	24.5	23.9	23.0	21.0	19.2	19.0	19.7	
12	18.0	18.6	18.6	19.4	20.5	20.1	19.3	24.5	21.2	16.8	15.1	15.0	15.4	14.2	17.7	20.3	21.9	24.4	24.1	24.5	24.5	22.1	21.5	20.7	19.9	
13	19.9	19.5	19.1	20.2	19.5	19.8	18.9	21.4	22.9	17.8	16.8	15.2	14.8	15.9	17.7	20.2	22.8	25.1	24.6	24.0	23.2	21.9	20.9	20.5	20.2	
14	20.6	20.4	20.2	20.3	18.7	18.9	19.0	19.9	19.2	9.4	15.9	13.8	12.4	12.9	16.9	20.9	23.3	24.1	24.6	25.5	22.8	21.6	20.4	21.3	19.3	
15	20.9	17.4	17.4	14.9	19.7	19.0	19.7	19.4	19.5	16.6	15.2	11.6	8.9	9.5	14.0	20.7	25.7	29.5	28.3	27.6	25.5	22.8	20.9	19.7	19.5	
16	18.8	15.5	18.2	20.6	21.8	21.5	21.2	20.6	20.5	19.1	16.3	13.3	11.9	12.2	14.6	19.0	22.5	25.9	27.9	27.9	25.2	23.3	20.9	18.6	19.9	
17 Q	18.7	20.6	20.6	21.1	20.9	20.9	20.8	19.9	18.6	16.9	14.3	13.6	12.0	12.9	16.5	21.5	26.9	28.8	29.0	27.1	24.7	21.9	20.0	18.8	20.3	
18 Q	18.7	19.6	20.1	20.3	20.9	20.7	20.2	19.7	18.6	16.5	15.0	13.0	12.5	14.3	18.5	24.4	27.7	27.0	26.0	24.1	22.4	21.1	20.1	20.1	20.0	
19 Q	20.0	20.0	20.0	19.8	18.8	18.5	18.5	17.9	18.5	16.6	14.1	12.6	11.0	11.2	13.2	17.2	21.3	25.4	26.1	25.6	24.2	21.9	20.3	19.3	18.9	
20 Q	18.9	19.7	20.1	19.8	19.3	19.7	20.2	20.1	19.7	18.0	13.7	11.6	8.8	9.6	13.9	18.3	23.1	26.0	27.8	27.8	26.4	23.4	21.2	19.7	19.5	
21	19.1	19.9	19.9	20.5	19.8	19.0	19.0	18.5	17.5	16.0	14.2	11.1	8.6	7.1	9.8	17.6	25.3	25.0	25.8	29.5	30.7	27.1	23.0	20.5	19.4	
22	20.1	19.0	18.3	19.4	13.7	12.9	17.4	18.8	18.0	16.3	14.0	11.5	10.8	12.0	16.7	21.9	26.4	28.8	29.6	27.7	26.2	23.8	21.3	18.6	19.3	
23 D	17.9	18.6	18.1	16.7	15.2	18.6	19.9	20.6	26.0	20.7	14.1	12.0	10.9	12.9	14.5	15.8	19.5	25.7	28.5	27.8	24.2	25.2	23.2	19.6	19.4	
24	18.6	21.3	22.0	21.4	21.4	20.8	20.9	19.8	18.4	18.9	18.6	15.5	13.7	14.9	17.1	21.1	26.0	28.1	28.3	27.1	26.0	25.1	21.9	18.1	21.0	
25	18.4	18.0	20.8	20.9	19.8	15.4	17.6	16.7	17.7	17.3	15.0	21.4	11.6	11.0	12.2	15.6	19.6	22.7	26.8	29.4	27.1	24.7	22.0	20.5	19.3	
26	20.4	20.9	20.6	20.2	19.6	19.8	20.1	20.6	19.9	17.8	15.9	13.4	12.5	13.2	16.3	20.3	24.2	26.8	25.7	26.1	26.0	25.6	25.4	22.0	20.6	
27 D	15.8	16.4	19.1	13.6	17.9	16.7	17.3	14.6	15.5	13.2	7.0	10.0	7.8	11.3	15.3	17.1	23.0	26.6	30.1	30.1	26.0	23.7	23.5	20.8	18.0	
28 D	21.4	21.7	18.6	17.2	14.7	18.9	20.8	16.6	16.4	25.3	17.0	12.0	10.7	10.1	16.6	19.7	22.4	25.6	27.5	28.1	26.6	23.7	21.0	20.8	19.7	
29	20.8	17.7	15.0	13.9	20.4	20.6	19.6	19.0	24.5	17.6	13.6	15.9	15.5	16.0	15.5	19.4	26.2	29.7	31.1	31.4	28.0	23.8	20.5	18.3	20.6	
30	17.7	19.9	20.1	14.7	14.6	17.5	20.3	17.2	21.9	22.0	14.1	10.9	11.6	10.4	12.7	17.8	25.1	28.1	28.8	26.3	24.9	23.7	22.4	21.1	19.3	
31																										
Mean	19.4	19.3	19.4	18.8	18.7	19.1	19.5	19.7	20.1	18.4	15.2	13.2	12.0	12.8	15.5	19.6	23.9	26.1	26.6	26.4	25.2	23.2	21.5	19.9	19.7	

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt

Z = 56,000 γ +

June 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	165	159	155	128	146	142	141	146	135	146	144	144	148	149	149	148	149	154	159	161	167	170	179	178	153	
2	172	158	155	155	152	142	149	153	156	159	159	156	150	148	151	148	149	149	151	156	162	161	165	162	155	
3	159	156	155	155	155	155	156	155	155	156	157	156	154	150	145	142	147	147	140	144	153	156	162	166	153	
4	173	173	162	160	155	155	153	139	143	143	136	136	142	153	153	153	151	137	147	157	161	174	178	184	155	
5	174	167	162	161	161	158	150	153	151	148	154	151	151	150	143	142	144	155	165	173	177	178	179	186	161	
6	185	190	188	175	168	164	131	123	147	157	156	158	160	154	147	143	151	157	161	162	166	166	166	160	160	
7	158	155	154	154	154	154	149	138	142	138	142	145	150	149	148	149	154	160	164	167	169	168	162	158	153	
8 Q	155	155	154	154	153	150	145	148	150	155	155	150	149	148	148	149	154	156	154	155	150	150	150	155	152	
9 D	154	152	155	155	127	99	127	137	137	115	132	138	137	136	133	141	143	142	156	165	174	171	179	191	146	
10 D	187	174	167	144	121	100	110	113	135	108	100	128	127	132	135	143	150	153	160	161	161	157	155	155	141	
11	155	155	155	151	132	131	141	150	141	149	150	146	144	146	146	143	144	144	145	150	150	157	163	163	148	
12	160	152	150	150	149	149	150	134	133	146	149	146	142	144	143	144	146	144	155	155	150	154	158	157	148	
13	156	152	152	152	144	142	136	137	143	149	150	150	150	145	144	143	143	142	144	151	151	149	147	150	147	
14	150	149	150	150	144	127	144	150	150	150	150	148	144	139	142	139	142	145	152	158	164	167	169	169	150	
15	164	165	157	139	126	139	146	148	148	147	146	140	138	134	129	126	132	137	139	149	153	158	156	152	145	
16	153	154	151	148	147	147	147	147	146	147	151	154	152	156	149	141	139	144	151	156	154	152	154	154	150	
17 Q	149	147	147	147	146	145	145	146	147	149	150	148	147	147	147	145	139	135	139	139	140	143	144	145	145	
18 Q	151	152	148	149	147	146	146	146	146	150	151	149	146	146	148	152	145	144	139	141	146	146	148	147	147	
19 Q	147	146	147	147	143	140	144	146	148	150	151	149	151	148	144	140	143	146	146	149	152	155	155	151	147	
20 Q	148	148	148	145	145	146	146	143	139	140	144	141	136	137	138	145	143	140	138	140	148	155	157	153	144	
21	149	146	146	146	143	144	144	145	146	146	147	145	141	140	144	143	139	137	140	143	151	159	162	162	146	
22	172	172	170	160	130	87	129	149	151	153	152	150	149	149	149	149	149	154	157	156	153	151	153	159	150	
23 D	161	160	154	155	134	145	147	148	123	127	144	148	149	149	141	138	146	153	156	187	186	191	178	173	154	
24	161	158	155	153	150	146	139	138	147	151	153	154	153	149	149	143	142	142	142	148	155	153	158	160	150	
25	157	154	153	143	142	139	120	143	150	153	154	153	147	145	148	137	137	142	143	143	150	153	154	154	146	
26	148	147	146	147	147	147	147	146	148	148	148	145	142	144	145	142	140	142	147	156	154	154	150	153	147	
27 D	159	148	153	130	102	96	119	64	68	75	93	103	101	108	121	130	140	144	152	156	164	173	167	167	126	
28 D	162	165	155	144	132	141	88	129	128	112	126	135	138	133	141	144	147	151	151	155	160	171	185	174	144	
29	169	158	146	140	151	141	140	141	134	140	146	141	134	130	130	137	140	143	151	154	157	160	166	167	147	
30	162	155	152	149	135	101	116	131	132	141	143	143	143	145	147	143	140	134	133	140	150	152	155	155	142	
31																										
Mean	161	157	155	150	143	137	138	140	141	142	144	145	144	143	143	143	144	146	149	154	158	160	162	162	148	

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 19 Agincourt

H = 15,000 γ +

July 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	946	946	951	955	960	952	950	950	949	952	944	938	944	939	931	934	936	943	956	970	980	976	970	960	951
2	950	946	946	952	953	953	952	954	945	938	940	945	936	931	922	916	920	932	943	954	973	985	973	944	946
3	926	934	937	939	940	943	945	950	947	947	947	943	941	936	923	911	917	938	959	970	969	966	961	956	944
4 D	953	952	944	942	945	961	961	962	953	956	956	946	926	921	931	927	941	952	955	965	997	961	962	972	952
5 D	936	944	944	957	954	907	915	961	945	942	946	942	940	925	929	932	937	952	959	978	960	959	954	958	945
6	967	953	958	940	921	933	950	962	953	945	925	940	941	938	930	933	939	942	945	955	963	966	952	953	946
7	954	952	953	954	955	956	956	956	958	953	954	957	951	941	940	938	940	948	955	959	966	971	962	964	954
8	964	959	953	951	941	947	955	952	960	957	952	945	940	935	931	929	924	925	934	937	950	948	963	963	946
9 Q	956	956	951	948	951	945	955	954	955	951	946	945	943	940	939	943	941	947	956	955	951	954	953	957	950
10	957	954	957	955	953	954	951	955	957	958	957	955	945	931	940	943	946	957	978	983	975	966	961	957	956
11	955	959	957	953	950	958	954	961	955	955	955	953	943	937	938	938	937	948	970	982	976	976	960	952	955
12	953	955	956	954	951	956	962	954	961	960	954	954	949	935	925	939	950	961	965	970	975	977	974	964	956
13	962	951	954	941	937	944	953	955	950	951	949	944	945	949	940	930	919	930	954	959	952	958	959	949	947
14	945	942	935	942	946	948	946	939	949	946	943	942	938	933	918	921	924	942	960	964	963	954	956	953	944
15	949	940	936	948	951	953	953	952	949	948	947	946	941	931	928	932	938	947	959	970	971	967	970	964	950
16 Q	947	948	948	948	948	948	950	950	947	948	948	946	940	933	926	930	940	948	958	967	967	967	964	959	949
17 Q	956	956	955	954	953	957	955	955	955	955	955	952	940	933	926	927	937	947	960	967	970	969	968	957	952
18 C	958	956	949	949	952	952	955	953	955	954	952	947	938	933	931	935	944	961	969	969	967	967	964	964	953
19	962	963	970	967	966	962	957	958	952	951	947	946	947	940	946	943	942	946	951	968	967	967	966	977	957
20	971	952	951	934	936	929	929	916	943	940	939	931	934	930	915	914	920	921	933	950	961	973	965	968	940
21	952	942	939	945	951	953	950	949	948	944	944	945	939	929	915	920	924	924	935	960	958	970	962	960	944
22	936	932	944	944	944	938	945	936	934	938	939	939	939	920	909	900	907	917	932	950	981	963	960	956	938
23	950	951	950	945	949	948	937	933	931	941	941	941	933	930	928	923	923	929	940	948	953	952	951	949	941
24	939	928	933	943	945	947	949	949	949	952	953	949	939	924	914	917	920	935	924	953	955	958	943	936	940
25	915	908	892	902	915	908	917	918	931	942	941	937	937	935	928	923	927	940	957	968	968	965	963	972	934
26 D	979	983	998	980	978	947	879	786	904	897	851	891	922	895	876	872	895	927	932	952	948	943	947	948	922
27 D	960	942	920	934	944	937	932	929	927	934	931	929	921	912	891	887	918	930	947	947	945	933	936	950	931
28 D	975	943	952	931	926	932	930	917	942	936	932	926	916	917	908	896	907	939	944	955	958	948	947	937	934
29	936	949	945	929	936	941	939	934	936	933	936	931	927	921	911	904	908	924	941	949	951	945	947	947	934
30 Q	949	953	960	945	937	945	943	942	937	937	937	935	932	927	914	904	907	918	930	935	944	949	953	952	937
31	946	946	946	943	949	949	950	948	948	948	948	948	943	930	925	924	930	941	954	961	978	948	967	967	947
Mean	952	948	948	946	946	945	944	942	946	945	942	942	938	930	923	922	928	939	950	960	964	961	959	957	945

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 20 Agincourt

D = 7° W + ...'

July 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	20.8	20.4	20.8	18.2	18.4	20.2	20.4	20.6	23.1	22.0	16.3	16.8	16.1	13.9	17.2	23.9	28.6	30.0	29.5	27.5	24.8	22.7	20.7	19.9	21.0
2	18.9	18.2	19.4	19.9	19.7	19.3	19.8	19.7	17.7	16.7	13.3	11.8	9.4	9.5	12.8	18.4	23.7	26.7	29.8	30.5	28.2	24.6	22.7	21.9	19.7
3	21.5	20.5	20.4	20.1	20.7	20.7	21.3	25.8	23.0	18.7	14.6	12.1	8.6	9.6	13.1	18.4	23.4	27.9	28.4	26.2	24.8	18.6	20.9	19.2	20.1
4 D	18.9	18.5	17.0	13.9	13.9	21.8	18.3	18.6	17.6	17.5	13.1	13.8	12.1	11.8	17.2	19.6	25.2	25.9	26.7	25.6	23.0	19.7	19.9	18.9	18.7
5 D	19.9	19.8	19.4	10.3	13.7	12.2	27.9	18.3	18.1	23.5	16.0	11.1	11.6	15.0	15.1	17.8	21.5	22.8	23.7	22.5	23.1	21.3	23.1	21.8	18.7
6	20.2	15.6	11.4	14.7	13.5	14.2	13.9	19.9	19.6	18.4	24.0	19.8	14.2	14.1	16.3	19.4	21.8	23.7	26.1	24.0	23.7	22.1	22.0	21.0	18.9
7	20.1	20.6	20.3	18.7	18.7	19.0	19.1	19.4	18.5	21.2	19.2	16.0	14.9	15.6	17.2	19.5	22.4	25.0	27.1	28.4	25.8	23.2	22.5	19.4	20.5
8	20.2	19.5	18.6	13.1	16.2	20.0	23.9	24.5	20.6	16.6	14.9	13.9	13.0	13.3	14.0	16.5	20.5	22.6	23.5	23.8	23.9	23.8	20.5	19.5	19.0
9 Q	19.4	19.3	17.6	15.9	16.6	16.6	20.3	19.8	21.1	18.5	17.9	19.3	16.0	16.0	17.8	20.0	21.6	22.9	23.6	23.8	23.8	22.6	22.1	21.4	19.6
10	21.0	20.8	20.7	20.3	19.5	19.4	19.6	20.4	20.8	18.0	16.0	15.3	15.6	16.4	19.0	20.9	22.2	24.0	25.0	25.5	24.0	22.6	21.3	20.3	20.4
11	19.3	18.9	18.0	18.1	17.0	16.8	18.0	19.1	17.0	20.1	14.7	13.4	11.9	12.9	15.2	17.9	21.0	24.8	25.6	26.1	24.1	20.9	20.4	20.6	18.8
12	20.0	20.1	19.8	18.5	17.8	22.6	21.2	19.2	21.1	19.5	15.5	14.4	14.0	14.9	17.7	22.6	27.4	28.5	28.4	27.1	24.4	21.7	19.9	19.4	20.6
13	18.1	18.8	14.4	17.7	17.4	19.1	20.6	18.3	18.7	18.0	15.7	14.8	14.1	13.9	13.4	15.7	19.3	26.3	26.8	27.4	26.1	22.4	20.5	17.7	19.0
14	18.8	14.6	17.1	16.3	17.5	16.8	20.5	17.2	18.8	16.8	15.6	15.0	15.1	15.6	16.4	22.0	25.6	28.7	26.4	24.9	23.7	21.4	19.2	19.8	19.3
15	17.1	14.3	18.0	19.6	20.2	20.0	19.2	19.1	18.6	17.2	15.1	13.4	12.9	13.1	16.5	19.2	22.8	25.4	26.3	25.6	23.2	21.4	20.4	20.2	19.2
16 Q	19.8	19.2	19.0	16.6	17.1	18.8	19.1	19.1	18.2	16.9	15.1	22.4	13.1	13.4	14.7	18.7	21.2	22.9	23.2	23.1	22.4	21.1	20.1	20.0	19.0
17 Q	20.2	20.5	20.2	20.1	19.6	19.3	19.0	18.7	18.0	17.4	15.1	14.2	13.2	13.3	14.1	17.9	22.5	24.6	25.5	24.6	22.6	21.1	19.6	20.5	19.2
18 Q	19.9	19.6	20.5	20.3	20.1	20.2	19.9	19.2	18.5	17.1	14.7	12.8	11.6	12.5	14.4	19.4	23.6	23.7	23.9	23.2	22.5	21.3	20.8	20.3	19.1
19	20.3	20.3	20.3	19.9	19.3	19.1	17.4	17.7	17.9	16.2	12.9	11.9	12.0	9.8	14.5	18.7	21.0	24.8	27.5	27.9	28.5	24.9	22.8	20.5	19.4
20	20.7	20.3	19.1	15.3	14.3	10.1	16.9	29.1	22.7	18.6	11.6	7.9	7.7	8.7	12.4	17.9	20.6	23.9	27.1	25.4	22.3	21.5	21.3	20.3	18.2
21	19.8	19.4	17.3	19.4	18.2	18.7	17.9	18.5	18.0	18.0	16.0	15.0	13.5	13.4	16.3	19.0	21.1	23.5	25.9	25.3	25.1	23.7	19.8	20.1	19.3
22	19.2	19.5	20.7	18.2	17.4	17.2	19.8	14.1	14.3	15.9	15.4	13.3	11.4	12.6	14.4	16.3	20.4	25.0	26.8	26.4	25.1	22.6	17.9	18.6	18.4
23	20.1	20.6	20.5	19.9	18.3	14.3	11.9	15.5	17.8	22.5	15.4	13.7	13.1	14.3	16.5	18.9	20.6	22.5	23.5	22.3	23.7	23.7	21.2	19.8	18.8
24	18.6	18.4	17.8	20.2	20.0	19.3	19.6	18.9	18.5	16.7	14.8	13.0	11.5	12.6	16.9	21.5	24.9	22.9	27.3	23.4	23.7	23.5	22.4	18.8	19.4
25	13.2	11.8	12.6	13.2	13.2	13.4	19.0	15.7	18.8	17.9	17.0	18.3	18.8	16.6	18.2	21.5	23.7	23.6	22.5	21.2	21.0	19.2	19.5	20.2	17.9
26 D	21.1	20.8	20.6	20.6	19.1	.4	14.4	12.4	16.8	10.5	10.6	14.1	9.5	10.8	20.6	23.6	27.1	28.3	25.8	24.3	23.6	21.9	15.3	20.4	18.0
27 D	9.1	8.5	13.2	19.4	23.3	19.4	22.4	23.2	22.6	16.7	14.2	14.1	14.3	18.5	23.4	26.1	27.1	26.8	23.4	22.4	21.3	21.2	20.1	20.0	19.6
28 D	14.3	16.6	16.2	14.6	16.8	21.4	17.8	25.7	17.7	16.5	15.5	16.1	18.5	18.9	19.2	22.3	25.4	25.8	25.4	24.1	22.7	19.3	18.9	18.9	19.5
29	19.6	12.8	17.7	19.2	21.1	20.2	19.3	24.3	17.9	16.5	15.0	13.6	12.6	12.8	15.6	20.5	25.0	27.0	27.7	25.2	22.5	20.9	19.9	20.1	19.5
30 Q	20.6	21.0	15.8	17.7	19.5	20.0	22.9	19.0	18.4	17.4	16.3	14.4	14.1	15.3	17.7	21.8	25.7	27.0	26.3	21.0	22.1	20.2	19.3	18.7	19.9
31	19.6	20.0	19.7	19.2	18.9	19.5	18.9	18.8	18.3	17.4	16.6	14.4	14.0	14.2	17.0	19.8	22.1	25.9	26.9	27.8	24.0	26.5	20.4	19.5	20.0
Mean	19.0	18.4	18.2	17.7	18.0	17.7	19.4	19.7	19.0	17.9	15.4	14.5	13.2	13.6	16.3	19.9	23.2	25.3	26.0	25.0	23.9	22.0	20.5	19.9	19.3

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 21 Agincourt

$z = 56,000 \gamma +$

July 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	152	151	150	146	135	136	141	143	142	131	139	144	141	144	147	149	147	145	143	145	151	159	162	161	146
2	161	156	155	151	147	143	144	132	141	147	151	154	145	144	142	147	146	144	145	150	160	173	179	185	152
3	179	170	163	157	153	152	150	136	133	144	150	152	150	146	142	140	142	136	130	137	145	153	152	154	149
4 D	152	154	152	144	138	126	125	134	140	143	144	138	134	134	133	134	133	141	147	156	170	194	191	187	148
5 D	180	163	158	126	102	103	84	124	120	130	144	142	144	146	145	141	138	135	139	150	152	161	158	155	139
6	155	153	140	123	122	109	123	128	123	136	134	136	145	147	148	148	152	155	154	156	152	156	156	156	142
7	156	155	153	149	147	145	145	145	145	144	139	144	144	140	135	131	135	146	153	157	151	154	157	163	147
8	157	154	153	143	145	137	121	103	127	142	145	141	139	138	134	134	132	127	132	134	142	150	162	168	140
9 Q	162	156	152	145	140	139	135	134	140	144	145	145	145	146	144	140	136	133	137	141	145	146	146	149	144
10	151	149	148	145	144	142	144	144	140	144	145	145	144	146	146	142	139	145	146	144	148	147	148	148	145
11	151	151	150	146	143	137	135	128	132	138	142	145	140	140	139	138	137	142	145	146	145	151	156	155	143
12	152	148	146	146	146	130	116	137	135	135	145	145	141	141	141	147	153	149	147	149	153	153	153	152	144
13	152	152	141	141	143	147	141	146	147	148	147	142	134	132	133	135	135	144	152	154	165	169	175	177	148
14	171	160	147	150	148	127	109	123	141	147	150	150	149	145	143	143	149	150	143	147	156	158	165	164	147
15	163	158	155	155	153	152	150	149	152	152	152	153	149	146	139	135	140	141	147	154	156	154	157	160	151
16 Q	158	154	148	147	146	148	148	148	149	150	152	151	147	145	145	141	145	144	145	146	146	148	152	152	148
17 Q	149	148	146	147	147	146	146	146	146	147	149	150	148	146	148	149	152	157	154	151	153	157	156	150	149
18 Q	150	150	150	149	147	147	146	146	147	147	149	147	144	143	147	146	147	141	139	141	148	151	149	147	147
19	146	144	145	143	142	142	144	146	141	141	135	134	125	122	129	135	133	130	134	147	155	165	163	160	142
20	159	165	164	159	134	123	136	108	97	122	144	144	147	146	147	143	146	150	151	157	160	155	157	144	
21	162	165	166	154	135	135	147	149	150	147	147	147	148	148	145	141	145	144	154	158	159	165	169	169	152
22	165	160	154	152	151	150	135	125	135	147	153	154	152	146	135	133	132	135	146	152	147	152	160	158	147
23	155	152	149	147	147	133	113	116	133	123	133	139	138	141	147	152	152	147	147	158	171	172	170	164	146
24	161	160	160	157	153	150	150	146	148	149	150	147	144	143	142	141	146	155	158	177	188	196	203	204	160
25	208	161	160	157	115	135	97	110	132	138	140	145	148	152	153	149	147	145	148	157	158	160	157	153	147
26 D	149	147	147	145	144	93	24	8	32	99	73	99	134	136	144	152	160	165	171	174	165	175	183	170	129
27 D	175	143	140	127	124	127	134	143	143	154	156	155	154	149	147	148	164	161	166	160	166	171	177	179	153
28 D	149	147	119	135	86	94	110	108	146	152	154	152	143	143	139	141	149	149	151	160	168	177	179	177	143
29	169	152	144	157	157	152	142	136	146	153	154	152	152	148	146	144	145	146	146	152	157	160	161	159	151
30 Q	156	156	146	139	149	139	123	142	148	151	151	154	153	153	149	146	151	152	153	157	159	162	162	157	150
31	152	151	151	149	148	149	149	149	149	149	149	150	150	149	145	134	130	134	140	149	167	169	164	153	149
Mean	160	154	150	146	140	135	129	130	135	142	144	145	144	143	143	142	144	145	147	152	157	162	164	163	146

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt

H = 15,000 γ +

August 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	971	922	902	923	948	897	929	908	918	836	906	935	922	904	897	903	912	928	943	949	968	962	963	949	924
2	937	932	935	937	954	941	938	941	942	941	941	934	924	922	907	898	903	915	929	938	947	948	947	947	933
3	945	937	942	939	933	928	940	942	942	937	937	929	908	908	913	913	918	928	951	958	955	947	958	948	936
4	948	946	943	943	946	942	939	947	950	942	942	937	932	923	911	913	927	941	949	954	954	953	951	945	941
5	945	947	945	943	944	945	947	953	954	948	932	927	937	927	919	907	921	932	942	960	960	955	953	951	941
6	954	946	944	948	958	944	933	925	944	952	948	933	924	942	929	904	915	934	949	959	953	958	948	956	942
7	942	944	944	946	949	939	951	952	946	942	945	940	925	934	933	939	938	929	949	976	956	970	953	953	946
8 D	949	922	930	932	942	950	959	938	897	950	950	934	917	902	905	913	908	934	950	957	963	989	953	947	937
9	945	921	924	930	944	946	946	951	939	939	934	936	930	909	903	910	909	925	936	946	960	954	957	948	935
10	937	944	945	950	943	934	939	952	951	936	931	934	925	925	915	915	917	935	950	956	960	957	956	950	940
11 Q	944	946	945	947	947	948	947	946	947	946	946	940	929	914	908	920	936	951	959	959	959	954	951	949	943
12 Q	951	954	952	952	951	951	951	950	950	950	949	941	932	919	912	925	940	950	956	961	962	961	954	952	947
13 Q	956	960	960	961	957	956	956	954	954	952	950	944	931	917	909	914	928	945	957	971	986	976	981	955	951
14	962	965	965	963	954	956	975	956	958	960	956	950	936	936	923	920	936	950	966	967	958	964	958	953	954
15	958	957	947	953	957	929	901	930	914	947	941	943	930	914	899	899	906	923	952	966	976	968	967	969	939
16	931	911	922	942	946	936	931	946	946	944	943	939	932	922	922	933	942	961	976	973	965	1004	972	972	946
17 D	933	943	947	941	941	947	944	936	947	936	937	935	926	917	899	892	900	931	946	977	965	982	965	927	938
18	939	926	936	946	952	984	934	939	931	933	940	940	928	912	905	910	911	926	943	955	962	957	948	957	938
19	935	948	947	952	941	926	941	933	940	940	936	942	933	916	899	905	910	925	934	952	963	962	956	953	937
20 Q	948	950	952	951	951	951	951	951	948	947	947	943	931	916	906	907	921	932	947	958	964	963	967	955	944
21	949	953	953	952	952	952	951	951	952	956	956	952	943	929	919	930	943	957	972	981	989	979	987	962	955
22 D	960	934	927	949	944	939	937	937	944	945	942	936	926	912	919	916	927	940	947	969	949	949	957	960	940
23	952	944	954	954	947	947	940	939	940	941	935	936	929	922	916	906	918	937	941	953	953	958	962	951	941
24	951	947	962	952	940	945	952	931	944	932	932	935	931	902	927	936	941	938	948	959	965	963	939	949	943
25	952	951	950	962	960	953	947	941	941	947	952	947	936	924	918	923	931	942	969	975	973	956	957	957	949
26	945	946	953	954	952	957	958	951	947	949	952	942	934	930	926	926	934	948	962	962	961	958	953	952	948
27	957	952	958	954	956	961	956	954	955	954	954	951	939	922	913	910	918	931	944	952	957	959	959	957	947
28 Q	957	962	955	957	961	957	958	957	956	956	957	952	941	918	915	921	926	932	943	953	961	965	967	967	950
29	964	963	962	957	961	957	937	933	956	953	955	950	936	917	915	915	921	936	952	976	971	973	962	943	949
30	947	940	941	944	944	948	941	931	946	943	948	945	928	915	900	916	919	941	945	962	963	963	958	961	941
31 D	954	935	913	920	878	917	902	915	887	935	946	946	916	925	923	916	915	924	940	954	958	961	956	946	928
Mean	949	943	944	947	947	945	943	942	941	942	943	940	929	919	913	915	922	936	950	961	962	963	959	953	942

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 23 Agincourt

D = 7° W + ...'

August 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	17.4	3.7	6.1	12.2	12.0	15.2	14.1	24.5	27.8	38.9	17.9	14.7	10.5	13.1	17.7	17.8	27.9	28.0	27.7	26.3	20.7	19.1	18.0	13.8	18.5
2	15.6	19.6	19.5	17.6	20.0	19.5	17.7	18.4	17.8	17.7	14.9	13.1	11.8	11.8	14.8	19.5	21.8	25.8	27.5	25.3	23.4	21.2	19.3	18.3	18.8
3	18.5	18.2	18.7	18.5	21.3	19.4	17.5	22.5	19.5	17.4	15.4	13.2	14.9	16.6	19.0	22.1	25.9	28.0	27.5	25.9	24.5	21.4	18.1	18.8	20.1
4	19.2	19.6	18.8	16.1	17.7	18.0	20.5	23.5	19.2	17.6	15.9	15.3	13.7	13.7	17.2	23.7	28.0	29.5	27.6	25.2	22.8	20.5	18.8	18.5	20.0
5	19.2	19.4	16.0	18.4	18.9	19.6	22.6	23.3	17.5	16.4	19.4	16.5	14.1	13.9	17.7	22.6	26.6	28.0	26.7	23.3	21.1	19.1	18.3	19.1	19.9
6	18.6	18.7	18.6	18.8	17.6	10.4	8.6	13.6	26.0	15.4	14.1	13.0	18.8	19.0	15.5	20.5	25.2	25.3	24.2	21.4	23.0	22.1	20.8	19.3	18.7
7	11.9	14.1	19.9	17.9	18.4	15.5	18.8	18.3	18.7	18.8	19.1	17.6	17.6	17.0	18.8	19.9	27.3	25.7	26.5	25.2	25.1	22.2	17.6	18.8	19.6
8 D	18.9	11.6	17.1	14.8	18.4	26.4	24.0	16.4	40.0	19.8	13.8	12.9	13.9	16.5	17.6	21.6	28.0	27.1	27.1	24.7	22.8	20.3	18.4	17.4	20.3
9	18.5	6.5	7.8	17.3	18.8	19.3	28.0	21.3	25.7	22.1	21.4	15.9	13.4	14.9	17.2	18.7	21.0	22.8	24.0	24.5	23.2	19.0	19.3	18.3	19.1
10	13.8	17.1	19.4	19.7	21.5	15.6	17.1	26.1	19.3	17.1	20.0	20.2	16.3	16.8	17.6	17.6	25.5	27.1	28.2	25.6	23.5	22.1	20.9	18.7	20.2
11 Q	19.4	19.6	18.7	18.7	19.7	19.7	19.5	18.5	18.7	17.7	16.5	14.8	13.9	14.8	18.1	23.3	25.1	25.9	25.0	23.1	21.1	19.9	19.8	20.4	19.7
12 Q	21.1	20.9	20.4	20.2	19.0	20.2	19.5	18.4	17.6	16.8	15.8	14.4	15.0	16.3	21.0	26.5	30.6	30.9	27.8	24.5	21.4	19.2	18.2	18.8	20.6
13 Q	20.0	20.6	20.5	20.5	19.9	19.5	18.1	17.6	17.2	16.5	15.2	14.1	11.2	11.9	15.3	21.1	25.2	28.0	28.9	26.1	22.8	20.4	18.4	19.2	19.5
14	20.1	20.5	20.2	21.4	17.0	18.6	18.5	16.4	16.2	15.2	13.2	11.5	12.2	14.5	17.4	22.7	26.0	29.2	29.5	29.4	28.4	25.2	22.9	20.1	20.3
15	20.9	21.0	17.9	21.0	20.6	31.0	14.9	26.2	33.9	17.3	12.9	10.9	11.1	13.7	17.7	23.5	26.6	29.9	29.0	27.3	25.2	24.1	22.1	22.3	21.7
16	15.1	9.5	10.3	19.5	19.7	16.3	23.5	23.3	15.4	15.0	13.8	12.0	12.0	13.6	16.8	20.0	22.9	24.6	24.9	25.8	25.5	25.2	21.1	20.7	18.6
17 D	20.9	19.3	16.7	14.3	20.6	20.4	18.5	22.5	21.4	14.4	13.3	12.2	12.3	10.0	12.5	20.7	26.6	27.5	28.9	28.9	27.1	26.2	19.6	22.4	19.9
18	20.9	14.9	16.3	17.2	20.5	30.5	28.2	21.4	17.0	17.6	13.9	10.9	9.9	11.5	17.8	22.2	27.0	29.7	29.8	28.9	25.7	22.8	20.0	18.1	20.6
19	5.1	14.8	17.9	18.7	15.4	24.9	24.7	24.8	25.2	21.6	22.4	13.2	9.7	9.6	15.0	21.3	25.4	27.8	28.3	26.6	24.4	23.0	19.3	16.9	19.9
20 Q	17.7	19.4	17.8	19.8	19.8	20.1	19.7	19.6	19.5	18.7	17.0	14.3	12.1	12.5	14.5	18.7	22.5	26.5	27.4	25.6	23.1	21.0	19.9	19.8	19.4
21	20.9	20.8	20.3	20.8	20.9	20.2	19.4	19.3	18.7	17.7	15.7	13.8	12.8	13.8	16.5	20.7	23.4	25.1	25.4	25.1	23.4	22.6	22.4	23.9	20.2
22 D	16.8	15.7	15.9	13.5	20.8	17.7	20.4	34.2	14.4	11.0	9.5	9.1	8.4	12.2	17.6	21.5	23.8	25.1	25.9	25.4	27.1	24.0	25.4	19.9	19.0
23	14.0	20.9	17.1	17.9	18.0	20.6	20.9	18.4	19.7	15.1	14.8	17.0	11.5	14.9	16.5	20.2	23.2	25.9	25.9	24.3	23.7	21.9	21.5	20.6	19.4
24	20.1	19.6	17.8	16.0	14.2	19.3	20.9	33.0	14.7	15.6	16.8	17.6	17.5	20.2	22.6	25.4	25.5	27.7	28.3	25.3	23.1	21.5	19.7	19.7	20.9
25	10.1	17.0	20.3	21.9	20.5	19.9	17.9	20.8	23.1	20.2	16.7	14.4	14.3	15.4	19.1	24.0	26.3	27.7	25.9	24.5	22.8	21.4	20.9	18.7	20.2
26	20.3	20.8	20.2	18.3	20.4	22.1	23.9	20.0	21.4	19.4	16.8	16.2	17.2	16.9	18.4	22.4	25.5	27.0	25.5	24.2	21.7	19.9	19.6	20.2	20.8
27	18.0	17.0	20.2	20.2	20.9	23.4	23.1	20.6	18.5	17.6	16.7	15.0	13.7	14.3	17.9	21.3	26.8	29.8	29.8	27.5	24.2	21.5	19.9	19.5	20.8
28 Q	20.3	20.2	19.2	18.4	20.8	20.1	19.6	19.1	18.6	17.1	16.2	14.0	12.8	13.3	18.7	22.7	26.0	28.2	28.1	26.9	23.7	21.1	19.7	19.7	20.2
29	20.3	20.2	19.7	17.7	15.9	19.9	18.0	16.3	14.5	10.9	9.5	9.1	9.4	10.3	15.9	22.4	25.4	29.4	29.7	28.8	28.0	26.8	23.9	21.7	19.3
30	20.2	16.6	18.3	17.8	20.7	24.1	18.4	21.4	17.4	16.6	15.3	13.4	13.3	16.2	22.0	25.9	29.2	29.4	27.9	23.5	20.9	17.9	17.2	18.7	20.1
31 D	16.3	4.4	12.8	8.0	7.3	17.6	20.0	29.0	31.7	23.6	11.4	10.3	19.5	21.6	22.6	25.4	27.9	28.6	27.1	24.8	21.7	19.0	19.1	19.8	19.6
Mean	17.7	16.8	17.4	17.8	18.6	20.2	19.9	21.6	20.8	18.0	15.7	13.9	13.4	14.5	17.6	21.8	25.7	27.5	27.3	25.6	23.7	21.7	20.0	19.4	19.9

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 24 Agincourt

z = 56,000 γ +

August 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	157	185	157	139	46	89	92	59	43	7	31	96	146	135	142	145	146	151	156	162	175	178	187	189	126
2	176	169	164	156	126	134	146	151	151	153	154	153	155	154	154	151	153	157	159	164	164	165	163	160	155
3	156	156	154	150	126	122	132	143	146	151	151	148	150	157	157	150	151	152	154	156	160	166	170	161	151
4	154	152	151	145	140	142	134	134	133	145	149	151	147	146	145	145	145	145	146	149	153	156	153	146	146
5	150	148	145	144	144	144	132	114	131	143	133	132	126	128	130	139	145	145	144	151	156	158	155	151	141
6	152	152	155	155	144	109	94	113	118	130	136	135	122	124	130	131	141	141	143	150	153	163	169	173	139
7	173	158	158	147	123	140	126	139	142	144	145	140	137	140	142	139	139	147	161	168	161	172	169	161	148
8 D	158	157	133	141	141	107	106	96	21	76	132	138	140	133	132	130	132	133	146	155	156	172	185	177	133
9	162	160	138	149	146	124	76	92	112	124	134	141	138	138	138	137	136	143	150	155	159	163	158	159	139
10	157	149	147	125	119	132	131	110	106	124	135	132	139	148	146	146	149	152	149	149	150	150	151	149	139
11 Q	149	149	146	143	144	146	146	146	146	147	149	149	149	147	144	141	139	141	146	149	149	147	147	144	146
12 Q	144	143	143	144	143	141	139	142	143	144	144	145	147	145	139	137	138	142	149	154	155	155	155	149	145
13 Q	147	144	143	143	143	143	143	143	143	144	143	143	138	137	139	136	137	143	149	148	149	147	151	148	144
14	143	142	140	129	124	137	142	142	142	142	142	142	140	135	134	132	127	130	139	143	145	150	153	155	140
15	150	154	157	154	140	43	56	82	63	124	143	151	147	148	147	146	148	150	154	155	161	167	168	192	138
16	196	177	155	156	148	126	101	96	143	150	150	148	148	143	142	140	137	135	143	154	156	177	185	204	151
17 D	193	160	154	145	154	148	142	125	123	137	157	151	148	144	144	147	149	150	154	160	167	178	202	173	154
18	159	161	154	146	135	67	28	86	112	141	153	153	149	143	142	134	142	148	148	148	154	157	159	160	137
19	156	146	146	121	107	82	81	93	103	123	130	142	143	142	142	143	147	148	152	154	159	158	161	160	135
20 Q	152	149	146	144	144	145	145	144	143	145	148	148	149	149	148	143	143	145	150	154	154	154	154	154	148
21	153	150	148	148	148	148	148	148	147	146	148	148	149	151	145	142	143	148	148	149	154	148	161	173	150
22 D	218	202	182	148	124	150	143	33	97	145	148	145	140	140	139	144	144	146	156	166	166	184	172	172	149
23	162	175	140	118	148	147	129	124	131	145	147	145	136	135	138	138	146	150	156	160	157	154	154	154	145
24	154	158	136	130	137	149	137	75	106	135	143	146	139	149	151	145	144	149	157	157	159	164	167	167	144
25	161	148	148	123	112	132	137	143	141	148	147	142	144	148	149	152	151	154	161	161	167	167	167	164	149
26	154	154	148	142	146	135	122	141	142	144	144	144	146	146	147	143	144	148	154	158	155	154	154	150	147
27	149	145	145	145	146	132	133	137	141	143	146	148	144	142	141	137	139	142	147	148	151	153	150	148	144
28 Q	146	146	144	142	141	142	143	143	142	143	146	146	144	143	143	143	143	143	148	154	158	156	153	148	146
29	144	143	143	144	136	107	111	130	148	143	137	142	143	137	134	142	148	148	150	157	167	185	193	179	146
30	161	156	149	149	147	123	117	135	150	153	154	149	142	137	145	150	148	151	154	163	166	161	154	151	149
31 D	163	143	119	76	58	56	34	57	45	89	112	129	129	122	131	142	148	155	161	165	165	164	160	155	120
Mean	160	156	148	140	132	124	118	117	121	133	140	143	142	141	142	141	143	146	151	155	158	162	164	162	143

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 25 Agincourt

H = 15,000 γ +

September 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	941	940	943	949	950	940	932	901	908	900	940	943	939	926	907	899	916	920	946	956	984	940	940	939	933	
2 D	946	951	950	934	935	922	916	930	899	956	950	941	920	906	909	913	928	926	939	962	950	966	946	953	935	
3 D	949	940	930	910	908	935	945	935	935	938	910	944	958	930	915	928	928	929	936	935	966	972	966	955	937	
4 D	921	925	926	966	921	891	894	943	909	919	895	933	937	921	905	897	896	939	953	961	970	966	955	946	929	
5	947	946	944	940	939	942	932	933	912	926	935	941	932	921	905	880	890	915	938	946	949	947	940	936	931	
6	910	925	924	915	901	916	910	947	953	952	939	924	933	930	917	909	909	918	924	946	952	951	936	928	928	
7	933	940	933	935	927	938	942	940	948	942	943	946	936	929	919	914	916	922	935	946	946	950	947	944	936	
8	934	945	924	911	928	939	944	944	924	922	925	933	930	929	920	918	919	929	937	950	955	955	955	953	934	
9	949	939	939	942	945	950	949	948	949	949	945	935	939	942	924	919	929	943	954	957	954	950	950	948	944	
10	935	942	937	934	941	930	939	950	941	945	950	945	935	925	915	919	931	945	958	967	967	964	965	964	943	
11	962	954	956	955	955	955	957	951	944	929	938	947	935	918	907	904	916	932	950	967	980	966	957	956	945	
12 D	965	965	959	960	964	970	925	671	834	864	842	935	939	913	904	896	875	901	913	981	980	949	965	925	916	
13	927	941	935	934	939	939	925	919	922	937	939	933	922	908	897	887	893	897	919	929	961	950	954	946	927	
14	945	929	934	939	946	944	946	939	948	946	945	940	930	914	904	903	912	930	946	955	955	951	950	950	938	
15	950	950	950	966	949	937	929	939	948	949	945	946	938	923	913	910	918	934	950	953	950	962	960	950	942	
16	945	950	950	955	953	947	949	948	950	950	946	945	933	924	915	909	919	926	944	962	955	946	954	948	943	
17 Q	950	949	953	951	949	958	957	954	951	953	953	947	931	918	918	918	922	934	949	949	956	962	956	948	945	
18 Q	949	953	953	952	953	954	954	954	954	952	952	950	944	934	924	923	929	938	948	958	965	977	968	969	950	
19 D	961	964	964	957	946	938	893	870	884	929	935	925	919	913	897	892	898	916	939	944	949	963	934	912	927	
20	919	913	938	944	946	944	940	937	940	940	940	928	928	922	913	911	914	923	939	949	950	950	953	951	935	
21	953	944	940	943	944	938	948	942	944	944	943	941	934	927	924	920	924	948	954	964	958	950	954	954	943	
22	955	940	937	948	944	939	944	932	941	944	933	934	940	927	918	935	933	952	957	954	959	954	954	953	943	
23	952	953	964	954	931	934	944	934	939	944	940	938	940	934	929	929	940	951	963	964	960	955	948	949	945	
24 Q	949	949	944	940	948	944	949	949	949	949	948	943	935	928	924	928	934	944	952	960	960	943	949	952	944	
25 Q	953	952	950	950	950	952	953	953	954	957	956	952	947	934	926	919	934	950	959	965	969	964	965	969	951	
26	951	908	884	871	914	914	923	908	923	937	942	937	933	925	928	910	897	931	949	948	941	944	940	944	925	
27	944	949	955	947	944	941	933	932	936	939	938	938	937	934	928	922	928	944	955	954	951	951	941	948	941	
28 Q	949	948	949	944	948	948	947	947	949	949	949	948	945	944	938	943	938	953	969	966	965	963	942	928	949	
29	929	930	930	940	937	934	922	938	936	944	936	953	953	934	928	924	928	943	934	944	953	956	930	923	937	
30	928	914	898	891	883	879	884	903	906	933	938	943	933	936	933	941	949	958	963	964	958	957	950	954	929	
31																										
Mean	943	942	940	939	938	937	934	926	931	938	936	940	936	926	916	914	919	933	946	955	959	956	951	946	938	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

D = 7° W + ...'

September 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	18.6	17.2	19.0	20.5	20.2	19.7	26.0	18.4	25.0	15.6	8.9	9.5	9.9	14.6	19.6	28.7	31.7	34.2	31.9	28.5	23.2	22.6	20.8	19.6	21.0
2 D	19.7	20.2	16.7	-4.1	15.2	15.7	23.6	15.6	30.0	27.5	15.0	11.5	14.0	22.6	24.2	32.0	31.3	30.6	31.2	28.5	23.3	21.1	20.2	18.6	21.0
3 D	19.2	15.6	6.0	10.9	27.5	22.5	17.9	21.9	26.8	25.0	31.6	20.5	10.7	11.3	17.0	20.7	25.4	26.6	27.5	29.8	23.9	23.2	19.5	8.3	20.4
4 D	19.9	20.4	14.2	14.3	12.8	29.0	29.4	29.3	21.0	27.1	31.8	22.1	17.1	14.3	15.7	21.3	24.3	24.2	25.5	24.3	20.1	20.3	19.0	20.7	21.6
5	19.0	18.9	18.9	17.1	16.3	17.8	17.8	19.1	21.5	28.3	14.9	12.4	13.9	15.2	19.8	26.8	30.5	32.0	29.0	27.0	23.3	21.6	20.4	18.1	20.8
6	11.1	17.5	17.3	16.7	21.4	16.6	17.5	17.0	16.5	18.0	22.8	24.6	20.1	17.0	19.5	20.7	23.8	26.3	26.4	23.9	22.4	21.8	21.6	21.3	20.1
7	18.3	19.9	15.5	11.2	17.0	18.6	19.2	23.1	25.6	17.1	18.9	14.8	14.0	17.6	18.6	20.8	24.5	25.9	25.9	24.4	22.1	19.5	19.0	19.2	19.6
8	19.9	19.9	15.1	14.0	19.1	20.1	20.5	20.3	13.2	14.9	17.0	16.0	13.3	14.7	18.0	22.2	23.9	25.2	25.5	23.2	21.3	20.2	19.0	19.0	19.0
9	18.8	19.0	19.4	19.7	17.2	20.0	18.1	18.5	18.3	18.3	17.4	16.5	20.0	20.6	21.0	24.3	27.5	28.4	25.7	23.4	21.0	20.7	16.6	19.2	20.4
10	21.2	19.9	20.9	25.0	22.2	18.6	13.2	16.0	17.9	15.9	16.5	12.5	12.0	14.3	17.7	21.5	24.8	26.7	25.8	23.6	21.7	20.2	19.9	20.3	19.5
11	20.6	20.5	20.5	20.6	19.9	19.5	18.0	15.1	13.1	18.9	19.8	10.9	11.5	13.9	18.2	23.2	26.9	28.0	26.8	24.2	21.3	20.1	20.1	20.0	19.6
12 D	20.2	20.2	20.4	20.6	20.4	19.6	16.7	65.6	12.7	7.6	12.3	7.3	10.1	13.4	19.4	24.3	27.8	32.5	34.1	31.6	26.6	24.5	25.7	17.5	22.1
13	20.1	24.5	23.5	21.9	20.1	23.0	17.4	15.3	18.7	17.0	16.7	14.5	14.4	16.0	18.9	24.5	27.6	30.8	30.2	28.5	20.8	21.4	20.4	20.5	21.1
14	20.4	14.7	16.8	21.0	26.5	21.6	22.8	28.0	21.3	15.9	15.9	14.7	13.9	15.3	19.2	23.3	26.8	28.0	27.1	25.2	23.3	21.1	19.2	19.7	20.9
15	18.7	17.0	20.5	19.9	24.1	18.9	27.7	29.5	16.9	15.6	14.8	14.8	13.6	14.6	17.2	20.4	23.8	26.3	28.0	27.5	25.9	22.2	19.6	19.6	20.7
16	19.2	21.0	21.4	19.6	21.0	20.5	20.4	19.7	18.3	18.5	19.0	15.0	12.9	13.2	16.3	20.2	23.6	27.0	27.3	25.7	22.5	19.4	22.0	21.6	20.2
17 Q	19.3	20.2	21.1	20.9	20.5	23.4	24.1	19.7	18.8	19.0	18.3	17.2	15.9	17.4	19.5	22.2	25.5	28.9	29.0	26.9	23.7	21.4	19.8	18.7	21.3
18 Q	19.9	20.8	20.6	20.7	21.1	20.3	20.5	20.1	19.4	18.8	18.2	17.1	15.7	15.0	16.5	19.7	23.2	26.7	26.9	25.6	23.3	22.3	21.4	22.4	20.7
19 D	23.3	21.6	21.0	20.4	18.6	15.5	14.9	21.9	21.5	18.8	14.4	15.9	15.1	15.5	19.4	23.1	25.8	31.9	31.2	27.3	25.0	24.4	20.9	5.8	20.6
20	-1.4	12.9	20.0	22.8	23.0	21.6	21.5	23.1	21.2	21.6	18.4	19.7	15.5	16.0	19.0	21.3	23.5	25.3	25.6	25.0	22.5	21.2	21.1	21.3	20.1
21	20.5	21.4	20.3	20.6	20.1	20.5	21.4	16.8	16.8	17.6	17.0	17.0	16.9	16.5	20.8	24.3	27.6	27.8	25.3	23.8	22.8	20.4	20.6	21.2	20.8
22	19.4	20.6	23.0	18.5	21.0	20.5	19.1	18.1	22.1	15.6	14.1	19.0	17.5	17.9	23.0	24.4	25.1	25.7	24.5	23.0	18.4	19.5	20.3	20.5	20.4
23	19.9	15.0	16.4	23.4	26.7	23.5	18.7	18.8	21.7	18.4	17.7	19.8	17.9	18.4	20.7	22.8	24.5	24.9	23.4	21.9	20.4	20.4	20.8	20.4	20.7
24 Q	19.9	19.6	19.5	19.5	22.9	21.1	18.7	18.9	18.6	18.9	18.9	18.4	17.6	17.7	19.8	22.5	24.5	25.4	24.8	23.5	23.8	23.5	22.1	21.4	20.9
25 Q	20.8	20.6	20.5	20.0	19.8	19.4	19.3	19.1	18.9	18.1	17.6	17.6	16.1	16.8	18.8	20.6	25.1	26.3	25.6	22.9	20.4	19.8	19.9	20.6	20.2
26	22.7	14.7	14.8	20.6	17.8	17.7	17.7	17.8	20.5	17.1	16.8	17.9	18.5	17.9	22.4	24.4	28.7	29.7	26.0	24.4	23.1	21.2	21.4	20.8	20.6
27	18.5	14.2	18.4	20.7	21.2	21.8	17.9	18.1	18.9	18.8	19.0	20.0	19.5	19.0	20.3	23.3	27.7	28.1	26.1	24.0	21.6	20.4	20.0	19.8	20.7
28 Q	20.3	20.4	16.6	19.5	20.9	20.6	20.0	19.9	19.6	19.3	19.0	18.9	19.4	18.2	20.8	22.3	23.6	27.7	25.4	23.9	21.5	20.6	20.7	17.8	20.7
29	20.7	20.6	20.5	18.2	18.0	16.0	18.3	17.0	17.0	14.9	21.3	23.3	18.1	18.9	22.3	24.2	26.2	26.8	27.2	25.9	24.2	20.2	23.3	24.7	21.2
30	26.3	23.2	17.7	19.2	16.0	14.6	13.9	15.1	14.9	17.0	18.0	23.5	26.6	23.6	19.6	23.8	22.7	24.2	24.0	22.7	22.1	20.6	20.8	20.5	20.4
31																									
Mean	19.2	19.1	18.6	18.5	20.3	19.9	19.7	21.2	19.6	18.5	18.1	16.8	15.7	16.6	19.4	23.1	25.9	27.7	27.1	25.3	22.5	21.2	20.5	19.3	20.6

VERTICAL INTENSITY
 Mean values for periods of sixty minutes, Universal Time

Table 27 Agincourt

$z = 56,000 \gamma +$

September 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	157	153	146	149	149	138	65	50	35	96	151	155	149	146	143	145	151	159	172	170	181	181	173	163	141	
2 D	157	155	150	124	89	106	82	68	58	105	124	124	131	132	135	136	139	141	152	163	186	186	172	166	133	
3 D	156	157	131	121	46	89	138	138	128	113	77	95	117	122	126	140	140	140	155	186	186	202	221	198	138	
4 D	193	176	166	114	88	46	16	60	76	82	54	96	121	135	141	146	155	161	161	168	174	173	173	156	126	
5	154	150	150	137	140	131	129	135	111	100	125	145	148	145	143	144	149	151	157	161	162	162	161	166	144	
6	175	168	168	148	103	93	32	103	141	150	142	130	131	138	138	145	153	157	164	175	188	196	186	176	146	
7	168	163	162	133	141	138	145	116	95	108	122	150	145	144	147	150	156	158	161	163	163	163	164	163	147	
8	160	159	152	150	164	163	159	135	69	103	131	148	144	148	152	152	158	164	166	165	162	163	163	164	150	
9	163	164	164	160	150	135	148	155	155	155	151	150	147	137	138	139	144	149	152	163	169	173	181	179	155	
10	178	174	180	123	95	137	134	148	131	131	144	153	151	151	151	150	150	153	156	161	162	158	156	153	149	
11	153	155	156	153	152	151	150	149	144	134	125	144	147	147	146	145	145	150	155	158	159	157	155	154	149	
12 D	154	150	151	154	155	150	108	-121	88	107	77	151	163	155	156	161	167	181	199	269	266	197	212	202	152	
13	201	191	170	164	158	144	130	148	152	168	163	159	163	162	163	167	168	173	188	194	185	166	163	161	167	
14	162	162	163	157	149	133	134	112	133	151	153	156	156	155	156	152	152	156	162	163	163	166	165	161	153	
15	158	155	154	143	122	147	117	111	150	152	150	157	153	150	148	149	150	155	161	166	163	163	163	162	150	
16	162	157	156	148	145	150	153	153	153	154	156	152	152	148	145	148	152	155	159	164	167	173	169	159	155	
17 Q	158	156	155	153	152	141	141	148	150	151	152	155	151	145	147	146	147	149	156	162	163	162	158	158	152	
18 Q	156	155	155	152	153	151	151	149	150	151	151	153	150	145	141	137	139	143	150	155	156	156	152	155	150	
19 D	154	155	155	155	155	128	100	52	99	150	160	155	155	151	149	149	152	157	165	212	185	174	203	183	152	
20	165	161	158	128	134	150	155	149	150	149	146	150	155	150	150	151	151	152	155	155	154	153	152	152	151	
21	155	155	155	155	155	151	141	153	155	152	152	152	150	147	144	143	150	149	151	155	156	155	155	155	152	
22	159	166	144	133	133	146	152	152	144	138	135	151	144	143	144	144	147	154	158	161	167	160	155	154	149	
23	154	151	138	121	113	107	135	143	144	144	141	145	144	148	144	145	149	152	156	155	153	152	151	154	143	
24 Q	152	150	152	151	149	143	150	149	150	149	149	149	150	149	149	149	150	152	155	157	158	155	155	154	151	
25 Q	152	149	149	149	149	150	149	150	149	149	149	147	143	142	142	142	148	149	151	154	154	149	149	149	149	
26	156	164	153	100	149	143	142	147	148	150	153	151	154	154	150	149	162	170	161	166	167	167	163	162	153	
27	162	153	143	148	139	138	137	143	142	139	149	151	151	147	143	141	149	154	159	159	159	156	155	156	149	
28 Q	154	154	142	144	150	150	150	151	149	148	149	149	151	150	149	148	149	154	153	155	154	155	161	165	151	
29	162	160	160	147	142	123	117	108	130	120	128	121	128	134	139	139	146	155	166	174	185	203	214	212	151	
30	204	194	172	172	160	153	147	136	135	135	134	135	135	140	144	143	143	148	151	155	154	155	154	154	152	
31																										
Mean	163	160	155	143	136	134	127	120	127	134	136	144	146	145	145	147	150	155	160	169	170	168	168	165	149	

AGINCOURT MAGNETIC OBSERVATORY, 1962

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 28 Agincourt

H = 15,000 γ +

October 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	948	934	935	936	953	919	893	888	920	914	934	916	944	943	911	904	888	877	913	934	937	931	919	938	922
2	939	932	957	928	929	933	933	909	951	953	938	938	918	903	896	904	887	891	913	933	943	944	941	937	927
3	939	940	946	947	950	935	944	944	945	952	956	955	941	924	914	918	913	920	929	941	952	952	945	944	939
4 Q	935	929	924	916	916	930	935	954	949	955	959	958	945	931	923	923	919	913	923	934	945	949	945	943	936
5	950	952	951	952	952	955	950	956	962	963	965	961	952	939	926	929	934	945	944	958	955	929	950	950	949
6	945	930	909	895	904	894	912	943	950	951	952	946	934	915	899	914	922	930	936	945	947	949	945	939	929
7	950	951	946	935	932	930	944	948	949	945	955	955	950	939	933	928	925	925	933	949	945	982	950	960	944
8 D	960	981	955	936	939	939	935	952	953	944	938	933	929	925	919	925	929	930	925	944	950	950	952	935	941
9 D	960	894	925	939	958	940	930	940	949	946	951	946	916	910	925	921	921	939	946	951	960	955	946	945	938
10	956	946	947	951	950	955	949	950	943	946	935	931	926	945	932	921	915	930	940	935	951	960	956	946	942
11	948	951	946	934	935	924	935	934	933	946	944	949	940	924	924	920	917	933	947	964	955	940	946	951	939
12 Q	961	950	954	952	946	951	949	947	945	940	950	951	946	935	928	926	931	942	955	965	966	964	962	961	949
13	962	961	960	959	956	956	955	953	951	948	940	956	939	926	911	920	926	931	940	952	965	955	951	943	946
14	930	924	935	937	940	955	934	928	946	936	904	936	940	920	905	909	920	920	914	916	934	943	946	945	930
15 Q	951	951	948	941	946	935	948	947	945	948	947	950	939	921	905	900	909	926	940	945	952	957	960	951	940
16	945	950	950	948	949	950	950	951	955	955	952	899	939	927	913	914	924	931	930	938	951	955	956	951	941
17 Q	955	955	955	952	950	948	950	949	944	949	955	952	942	929	916	914	924	935	950	956	957	960	959	959	946
18	945	934	900	918	934	943	949	950	952	952	954	952	944	934	924	919	921	921	930	949	954	962	960	960	940
19	960	959	959	956	955	959	957	956	929	924	959	959	931	914	923	904	931	936	945	951	949	938	949	949	944
20	945	951	950	948	947	949	952	954	955	955	956	955	950	939	921	914	929	935	944	949	958	958	959	954	947
21	951	952	960	956	956	950	949	950	954	954	959	957	946	939	926	928	935	923	929	939	945	955	950	945	946
22	948	952	950	935	919	919	923	934	942	941	959	974	960	948	954	946	934	929	934	932	939	938	920	955	941
23	958	945	930	923	939	950	946	952	950	951	950	939	949	937	924	909	920	925	936	945	946	929	950	954	940
24	957	947	936	928	946	941	943	954	953	953	954	954	944	939	929	920	920	909	908	930	928	925	936	925	936
25 D	923	940	942	942	935	961	939	918	924	946	955	936	924	934	944	922	889	924	928	934	931	917	923	935	932
26 D	939	950	934	933	949	949	946	939	934	924	930	924	925	903	862	893	910	919	915	920	913	915	930	936	925
27	934	944	941	929	935	945	943	934	939	934	943	941	923	919	889	895	919	928	925	937	934	937	941	937	931
28	936	948	939	951	949	939	939	940	941	945	938	942	935	927	910	908	910	922	930	934	937	939	941	950	936
29	950	939	928	939	946	946	945	946	944	944	947	951	940	932	920	919	913	910	933	938	940	945	954	941	938
30	944	946	950	941	945	933	941	940	945	949	945	936	945	944	929	919	924	930	931	942	941	945	953	951	940
31 Q	946	945	942	940	939	950	939	944	946	939	951	946	952	939	926	920	919	924	922	934	948	950	945	950	940
Mean	947	945	942	939	942	941	941	942	945	946	948	945	939	929	918	916	919	924	932	942	946	946	946	946	939

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 29 Agincourt

D = 7°W + ...'

October 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1 D	21.8	16.6	18.5	18.7	14.0	16.6	21.5	15.3	7.1	21.5	30.7	32.4	28.1	28.7	20.5	21.8	25.3	25.9	27.5	23.7	19.1	19.7	14.4	20.7	21.2	
2	20.6	15.5	18.2	19.2	18.6	21.1	17.7	25.9	20.0	18.6	24.3	21.3	24.5	20.9	21.6	20.2	21.0	24.1	25.6	25.2	23.6	21.6	20.4	19.2	21.3	
3	19.2	19.8	20.5	20.1	21.0	19.5	18.4	20.0	25.9	19.5	21.4	21.3	17.8	19.2	21.1	18.5	21.6	24.8	24.8	24.4	23.1	22.2	20.5	19.2	21.0	
4 Q	19.7	18.9	18.0	16.6	17.6	19.2	22.7	20.9	20.0	21.5	22.1	20.0	18.3	16.9	17.3	20.2	23.1	26.4	28.2	27.7	26.9	25.1	21.6	20.8	21.3	
5	20.5	20.2	20.7	20.8	20.8	18.4	18.4	17.9	19.0	18.6	18.8	19.9	18.2	15.6	14.3	15.6	19.6	24.6	25.4	26.0	28.8	29.7	24.2	21.5	21.6	20.9
6	21.0	19.1	8.7	15.1	12.9	15.8	22.2	22.6	20.1	19.7	20.0	18.6	16.5	16.9	23.3	22.5	22.3	24.8	25.5	24.5	22.4	21.0	21.5	20.8	19.9	
7	21.2	20.6	18.2	16.7	19.5	20.2	20.0	20.2	21.2	20.1	20.0	17.8	15.9	15.5	16.2	18.4	21.4	24.1	25.7	24.4	21.5	21.4	23.8	21.1	20.2	
8 D	25.1	10.2	17.4	21.4	20.8	20.0	16.8	18.4	15.6	13.6	16.0	20.2	17.3	15.3	14.3	19.6	23.6	24.8	28.4	27.4	28.2	22.6	20.8	24.1	20.1	
9 D	10.1	6.3	16.7	21.4	23.1	17.0	19.6	28.5	24.1	18.1	17.5	16.2	19.1	25.3	21.3	23.7	22.6	23.1	23.2	23.1	22.4	23.2	21.3	19.1	20.3	
10	15.8	18.1	19.7	19.6	26.1	22.1	19.7	19.0	16.8	20.2	20.6	21.0	29.2	19.7	18.8	22.4	25.8	27.1	26.7	23.9	22.6	22.3	22.5	21.4	21.7	
11	21.3	18.2	16.8	27.2	32.3	16.6	17.0	21.8	22.1	20.7	20.0	18.0	16.7	18.8	17.3	20.0	23.5	27.1	25.5	24.2	24.6	21.8	21.8	21.8	21.5	
12 Q	18.8	16.5	20.0	21.8	20.5	20.8	20.7	20.6	29.1	25.3	21.0	16.9	15.8	15.3	16.1	19.1	22.5	23.8	24.5	24.4	23.6	22.2	21.4	21.2	20.5	
13	20.8	20.6	20.7	20.5	20.3	20.0	19.9	19.1	17.9	20.1	23.7	20.0	19.0	19.2	21.0	21.9	25.4	28.1	27.7	26.1	24.8	24.5	23.8	20.9	21.9	
14	12.0	14.1	19.1	17.8	16.8	27.7	27.3	10.1	17.5	18.6	24.6	23.7	17.3	14.2	17.2	19.0	22.0	24.3	28.5	26.1	24.5	20.4	23.2	20.0	20.2	
15 Q	19.8	18.6	19.4	18.9	17.8	20.8	23.1	19.0	17.6	19.3	19.4	18.6	15.8	15.6	17.1	21.8	24.4	25.6	26.1	25.4	23.9	22.4	21.7	22.4	20.6	
16	22.4	21.2	20.3	19.6	19.9	20.3	20.1	20.0	18.9	17.9	17.6	32.0	25.1	17.9	19.4	20.8	23.6	21.4	26.5	21.4	23.9	21.3	22.8	22.8	22.0	
17 Q	14.7	18.9	20.4	20.2	19.2	19.9	20.8	20.4	21.5	22.9	20.1	18.9	17.1	15.9	17.8	21.1	25.2	26.4	26.2	25.0	23.2	22.2	21.4	21.3	20.9	
18	19.8	14.4	7.0	14.7	17.6	20.0	21.6	20.7	20.0	19.5	19.4	18.0	15.5	16.0	17.8	20.8	25.4	27.6	27.5	26.0	24.4	22.6	22.5	21.4	20.0	
19	20.5	20.2	20.2	20.2	20.2	20.0	19.1	19.9	27.3	30.1	15.4	15.1	19.0	23.2	21.7	25.9	26.0	25.3	25.4	25.0	25.3	21.8	22.6	21.8	22.1	
20	20.4	20.0	20.2	20.4	19.6	20.8	20.6	20.2	19.5	18.7	19.1	19.0	17.8	15.9	17.2	20.1	23.3	24.4	24.7	23.5	21.9	21.8	21.7	21.8	20.5	
21	21.3	19.0	17.1	20.3	23.6	19.5	17.8	20.0	20.6	21.7	20.8	19.8	19.8	19.1	19.0	24.4	24.1	26.0	27.1	26.7	26.3	22.8	21.5	20.2	21.6	
22	21.0	19.9	16.8	19.0	17.5	14.5	18.7	16.6	18.9	21.0	31.6	21.4	18.8	24.9	27.1	22.4	23.2	21.7	24.5	24.3	24.4	23.6	17.9	20.7	21.2	
23	20.5	19.7	-1.1	15.3	20.4	20.3	19.5	21.6	19.2	20.9	20.8	23.2	20.8	19.8	21.0	24.5	26.8	26.8	27.0	26.3	26.1	24.0	21.9	20.2	21.1	
24	20.0	21.0	20.6	15.5	20.6	19.1	20.3	20.7	19.2	19.3	21.0	22.8	24.6	20.8	21.0	21.5	24.3	26.1	27.1	26.7	26.7	17.2	18.5	20.6	21.5	
25 D	15.5	15.6	19.5	19.7	19.7	20.9	16.9	15.7	27.5	27.0	19.0	20.8	30.5	31.0	21.8	22.5	26.3	29.9	27.3	22.0	25.5	15.4	21.5	21.8	22.2	
26 D	16.9	17.0	15.1	19.4	23.3	20.3	21.1	20.1	20.9	21.1	20.3	24.9	29.2	27.2	30.8	33.0	31.0	29.2	23.2	27.4	24.9	21.3	18.1	20.8	23.2	
27	19.2	18.2	14.0	16.7	20.6	27.2	20.7	18.6	20.6	20.9	21.2	21.0	23.7	20.4	22.7	24.9	25.4	25.1	25.6	24.7	22.0	20.8	20.2	13.7	21.2	
28	19.1	16.3	19.2	18.6	22.6	19.9	22.9	26.4	26.6	24.5	21.6	20.8	18.3	17.8	16.5	19.6	22.8	23.8	24.9	24.5	21.6	20.6	17.7	21.6	21.2	
29	20.5	19.0	17.3	17.1	20.2	21.3	22.3	22.0	21.1	22.1	23.2	20.0	19.0	19.5	19.2	20.1	23.7	25.1	24.1	23.9	23.2	22.8	21.5	21.8	21.3	
30	19.7	20.1	20.7	17.3	16.0	19.5	22.8	25.8	28.1	21.8	21.2	24.3	24.2	20.2	21.1	24.6	26.2	24.4	25.5	24.8	25.0	21.4	21.7	21.9	22.4	
31 Q	19.5	19.1	18.8	19.6	19.9	19.6	21.3	21.0	19.5	20.5	21.8	21.9	21.3	19.4	21.2	23.2	25.3	25.7	27.1	26.5	24.6	23.3	21.4	21.4	21.8	
Mean	19.3	17.8	17.4	19.0	20.1	20.0	20.4	20.3	20.7	20.8	21.1	20.9	20.4	19.5	19.8	21.9	24.2	25.4	26.1	25.1	24.2	21.8	21.1	20.9	21.2	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt

z = 56,000 γ +

October 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	160	163	157	159	130	119	45	13	25	58	78	90	117	129	138	143	153	167	179	178	241	219	201	174	135
2	162	158	129	132	144	116	110	73	116	133	134	140	141	149	147	147	151	164	165	160	159	159	159	158	142
3	158	156	152	152	138	132	142	138	110	110	112	122	137	143	148	151	152	152	152	154	157	159	160	159	144
4 Q	159	162	159	143	133	146	129	122	129	127	127	140	146	149	152	152	157	163	165	165	165	165	160	160	149
5	157	153	152	152	152	146	146	150	149	147	149	151	151	146	146	141	141	146	154	160	195	174	163	160	153
6	158	165	146	142	133	115	122	149	158	155	155	158	158	154	152	146	147	148	152	157	159	158	158	158	150
7	156	153	152	146	144	133	139	141	140	140	146	151	148	146	142	141	145	148	152	153	153	160	159	165	148
8 D	169	228	184	173	157	152	152	152	148	134	134	138	147	146	142	138	137	144	158	158	160	168	163	176	157
9 D	147	175	177	161	123	130	139	98	102	116	141	145	139	144	145	140	145	152	151	151	152	158	163	169	144
10	145	152	160	152	139	138	140	150	142	149	129	129	138	139	140	145	151	159	159	162	158	156	158	156	148
11	162	151	148	124	59	88	133	140	141	143	145	151	151	148	151	143	143	147	153	158	163	164	162	163	143
12 Q	158	159	159	155	151	150	146	144	135	133	135	147	148	147	146	139	139	141	145	145	146	146	145	145	146
13	145	145	144	145	145	145	145	146	145	134	123	116	132	140	140	144	144	148	153	156	159	155	157	170	145
14	175	187	183	163	146	79	61	76	131	123	108	139	139	140	143	145	145	147	157	172	177	181	165	160	143
15 Q	159	157	157	153	147	134	133	133	141	148	148	154	152	150	148	146	146	149	152	155	153	154	153	157	149
16	160	159	153	151	152	150	147	146	146	146	140	113	126	128	137	140	141	146	142	151	152	152	154	160	145
17 Q	158	154	155	152	146	146	144	147	141	140	146	151	152	151	150	147	148	152	152	152	147	148	148	148	149
18	150	148	142	148	152	153	154	152	151	147	147	148	148	147	146	137	135	140	149	153	151	151	149	148	148
19	146	146	146	146	146	146	144	139	93	56	112	127	129	140	140	138	141	142	146	151	154	163	158	158	138
20	159	153	152	150	146	146	144	146	146	146	145	146	146	141	145	141	151	153	154	154	154	152	152	153	149
21	156	156	138	134	120	132	139	141	140	140	139	141	145	145	142	139	134	139	152	156	152	151	151	150	143
22	147	146	144	134	135	123	126	134	143	134	115	115	128	126	126	127	132	139	145	150	158	164	181	161	139
23	153	153	147	141	134	133	136	136	139	139	129	133	143	135	139	134	138	140	142	146	152	156	153	150	142
24	147	151	151	153	139	140	144	146	145	145	139	134	132	134	140	143	146	151	171	172	175	179	173	172	151
25 D	171	160	157	149	131	99	120	120	128	109	126	134	132	131	134	138	146	157	157	170	174	194	170	165	145
26 D	163	134	144	145	131	144	144	109	75	70	113	125	130	131	143	145	152	163	187	189	187	189	177	163	144
27	157	150	139	146	127	107	90	107	129	138	146	139	143	151	145	152	141	144	149	152	157	157	157	161	141
28	157	149	149	132	124	137	143	135	126	130	132	143	149	150	150	149	144	148	149	156	161	158	157	151	145
29	149	149	146	137	143	144	138	129	137	138	141	143	145	148	145	141	139	145	149	150	151	149	150	151	144
30	151	152	149	147	143	139	139	136	127	129	137	138	143	145	143	141	143	150	154	157	157	157	154	154	145
31 Q	152	151	151	151	144	124	130	130	132	138	137	140	144	143	143	137	137	143	149	155	156	155	155	151	144
Mean	156	157	152	147	137	132	131	128	129	129	132	137	141	142	144	142	144	149	155	158	162	163	160	159	145

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 31 Agincourt

H = 15,000 γ +

November 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	950	945	939	937	939	947	950	954	952	950	955	955	951	942	930	924	924	930	936	945	957	955	939	939	944	
2	942	945	939	939	954	954	955	958	959	955	957	960	948	945	925	924	929	934	930	934	945	941	947	929	944	
3	929	939	937	942	945	945	952	945	949	950	940	944	950	939	930	930	934	942	950	950	945	943	941	939	942	
4	945	945	949	948	950	950	951	945	947	940	945	941	947	939	917	915	932	930	935	941	941	928	949	958	942	
5	959	957	958	957	954	950	947	940	937	938	945	947	944	937	934	930	928	930	939	946	955	960	960	961	946	
6 D	957	961	946	956	971	957	951	946	954	955	957	960	955	950	936	936	938	937	927	940	952	921	940	952	948	
7	955	940	941	950	951	958	952	956	956	952	937	950	941	933	929	931	933	936	945	952	956	961	960	951	947	
8	953	956	957	956	956	952	956	955	954	955	955	951	950	947	935	936	940	946	951	955	956	956	960	962	952	
9	962	956	953	957	956	957	956	957	958	959	958	957	951	944	936	938	943	946	949	956	961	961	952	950	953	
10 Q	957	962	958	956	961	960	959	960	962	962	962	961	952	944	936	937	944	947	956	962	964	967	963	964	957	
11	965	966	966	962	961	966	957	962	961	951	952	952	943	939	935	931	937	945	952	956	962	955	958	959	954	
12 Q	956	963	958	957	957	957	954	956	957	958	958	953	948	937	932	932	935	944	952	962	965	968	967	963	954	
13 Q	958	961	962	960	959	959	961	962	962	963	964	963	957	948	942	938	947	956	965	968	969	968	972	968	960	
14	963	959	958	958	959	961	962	963	964	965	964	964	959	950	937	929	933	947	958	968	958	963	967	968	957	
15 D	968	965	963	963	962	957	942	963	958	959	962	945	926	969	946	918	917	922	927	927	962	932	938	945	947	
16 D	924	933	937	936	932	929	931	937	928	934	931	924	935	938	921	902	907	901	916	927	936	947	948	940	929	
17	949	949	947	948	948	948	947	947	949	949	949	949	951	949	938	926	929	930	933	938	945	951	955	958	945	
18 Q	957	955	954	953	953	953	954	954	956	956	957	955	953	948	942	942	942	948	954	958	958	957	959	958	953	
19	956	956	955	955	956	956	957	957	959	958	957	956	952	946	937	935	937	946	955	957	952	951	950	956	952	
20 Q	962	962	961	961	958	958	953	958	966	967	967	966	960	952	946	943	945	955	966	971	971	966	963	964	960	
21	966	956	947	936	941	943	951	946	940	943	958	963	960	953	943	932	923	927	941	953	961	965	963	951	948	
22 D	953	946	947	942	926	917	915	909	927	930	938	947	937	941	943	926	922	931	928	941	941	920	946	947	934	
23	940	936	955	960	951	933	939	941	928	938	936	935	945	930	922	927	935	945	954	955	951	955	944	942	942	
24	941	946	949	951	955	950	950	942	946	954	956	947	936	944	948	945	949	950	945	956	952	948	951	946	948	
25	945	937	945	940	949	941	938	961	956	946	939	965	950	941	940	933	925	936	950	956	955	947	957	956	946	
26	944	940	950	950	950	954	954	955	954	955	955	953	950	935	928	921	924	932	944	953	956	956	956	957	947	
27	952	947	946	950	945	945	949	949	954	955	956	959	955	948	945	941	934	950	955	961	954	956	960	953	951	
28	944	944	944	946	946	953	954	949	949	949	951	949	951	946	939	935	933	934	948	954	959	956	954	952	947	
29	949	949	947	949	950	950	955	958	958	960	960	964	966	954	944	937	935	945	946	940	953	963	969	972	953	
30 D	967	947	913	933	914	894	904	894	922	923	933	970	958	940	934	935	933	935	945	949	950	944	940	947	934	
31																										
Mean	952	951	949	950	950	949	949	949	951	951	952	953	949	944	935	931	933	939	945	951	955	952	954	954	948	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 32 Agincourt

D = 7°W + . . . '

November 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	20.3	19.6	20.1	19.0	18.9	21.0	21.9	21.7	21.0	24.0	23.1	20.2	18.4	16.8	18.0	19.7	23.6	26.6	27.2	26.6	24.1	23.1	24.1	23.6	21.8	
2	21.0	20.4	19.2	19.3	21.5	21.9	22.4	22.2	21.0	19.9	22.4	20.8	17.2	19.8	17.7	21.5	24.3	27.6	28.0	27.6	27.7	26.1	27.1	22.3	22.5	
3	20.5	20.7	19.5	20.6	22.0	21.8	24.1	22.8	24.1	22.4	21.8	25.0	24.2	21.4	22.1	24.3	26.9	26.7	26.4	26.7	26.0	24.4	23.4	17.7	23.1	
4	17.9	20.3	20.5	20.5	19.0	20.8	22.7	22.3	25.4	21.6	22.2	23.2	22.2	21.7	22.2	23.9	26.5	27.2	27.1	27.0	27.0	28.6	23.5	21.6	23.1	
5	21.1	20.9	20.9	20.9	20.5	20.3	22.8	24.0	17.6	17.7	18.9	19.3	19.1	18.1	17.7	19.6	22.3	23.8	24.8	24.9	24.1	24.0	23.4	22.3	21.2	
6 D	21.4	21.4	17.7	19.7	21.6	20.3	20.2	21.1	20.6	20.8	20.0	19.6	18.6	18.1	17.7	21.7	22.9	25.2	28.0	23.5	25.3	21.8	22.8	23.4	21.4	
7	20.9	18.8	11.4	21.4	21.5	23.7	21.2	21.8	20.9	20.1	24.1	25.8	22.3	23.7	22.4	20.4	22.7	25.2	25.9	24.9	23.6	23.1	23.3	21.8	22.1	
8	21.3	21.3	21.8	21.7	21.1	21.9	22.5	21.7	20.4	20.2	20.1	21.7	20.3	20.8	20.2	21.7	24.5	25.0	25.7	24.7	24.2	23.9	23.5	22.0	22.2	
9	21.8	20.5	20.7	21.4	21.7	22.1	22.2	22.0	21.6	21.2	21.0	20.6	20.2	19.7	20.1	21.9	24.4	25.7	25.7	24.6	23.5	23.0	23.0	21.0	22.1	
10 Q	20.1	20.1	19.6	22.6	22.5	22.6	22.3	21.9	21.7	21.4	21.2	21.7	20.3	19.9	20.7	23.4	25.4	26.6	26.4	24.9	23.1	22.3	22.6	22.0	22.3	
11	21.6	21.0	21.1	21.4	21.1	22.1	25.7	27.9	20.9	17.3	19.4	19.1	18.3	18.4	18.9	23.3	25.3	27.4	27.4	25.4	25.1	23.9	22.5	22.1	22.4	
12 Q	20.4	18.0	20.5	21.3	22.0	22.4	22.1	21.9	21.7	21.3	21.2	20.9	19.4	18.2	18.7	21.6	24.8	26.9	27.6	25.9	23.9	22.8	22.4	21.9	22.0	
13 Q	21.5	21.4	21.2	21.6	22.1	22.3	22.4	22.3	22.1	21.8	21.2	20.7	20.0	18.8	18.8	21.3	24.4	26.7	27.3	25.9	24.0	22.9	22.3	22.0	22.3	
14	21.5	21.4	21.0	20.8	22.0	22.3	22.7	22.3	22.2	21.8	21.0	21.0	20.0	18.3	18.2	21.3	26.5	28.4	28.9	28.4	25.0	23.1	21.9	21.3	22.6	
15 D	20.9	20.8	20.9	20.8	20.5	22.7	19.1	21.3	20.3	21.4	18.6	19.2	48.1	40.2	20.4	19.6	22.9	25.9	28.6	31.0	30.5	33.0	29.6	26.6	25.1	
16 D	24.8	17.4	19.5	15.7	21.1	22.3	25.6	20.5	20.2	22.0	22.7	24.5	21.2	17.8	18.3	21.3	23.9	25.7	27.9	29.4	26.8	24.3	23.1	22.3	22.4	
17	17.5	21.1	20.5	19.6	20.6	22.3	22.3	23.0	22.5	22.2	22.1	21.6	20.4	18.6	20.3	22.8	23.9	25.3	26.2	25.4	24.5	23.8	22.8	22.2	22.1	
18 Q	21.7	21.4	21.8	21.8	22.2	22.3	22.4	22.4	22.2	22.1	21.9	21.6	21.0	20.7	21.2	22.1	23.3	24.5	24.9	23.9	23.2	23.0	22.4	22.0	22.3	
19	21.8	21.8	21.9	22.0	22.1	22.3	22.5	22.4	22.3	22.0	21.9	21.6	21.3	21.1	20.4	22.6	24.9	26.8	26.3	24.2	23.8	23.7	23.2	21.8	22.7	
20 Q	21.4	21.5	21.6	22.0	22.3	21.5	21.2	23.3	20.0	20.1	20.1	20.0	20.1	19.2	19.3	21.4	23.0	23.9	23.9	22.9	22.3	22.2	22.1	22.0	21.6	
21	21.5	21.9	21.8	20.5	21.6	22.2	26.8	17.4	21.1	21.6	17.5	18.2	22.1	21.9	23.3	25.2	27.3	27.7	28.5	31.6	28.3	25.6	21.9	21.6	23.2	
22 D	19.9	20.5	18.6	21.9	24.2	30.4	21.0	29.3	28.5	12.5	21.3	27.4	34.4	38.6	30.2	27.9	26.7	27.6	27.2	25.8	26.0	18.5	22.2	18.8	25.0	
23	17.4	18.7	18.9	22.4	25.3	22.0	28.2	25.8	26.9	24.3	25.1	25.9	22.9	21.2	22.4	24.3	27.1	26.2	26.9	25.8	24.8	22.1	23.8	22.1	23.8	
24	20.9	20.4	22.0	22.4	23.0	22.9	22.4	22.5	25.2	20.3	18.5	22.8	27.3	26.2	23.7	24.1	27.8	27.7	27.3	24.9	23.9	22.3	21.6	21.3	23.3	
25	19.4	19.5	18.5	20.5	22.1	24.6	29.4	29.1	22.1	21.7	21.6	21.5	21.0	20.9	20.2	22.5	25.6	27.4	26.5	24.9	22.9	22.2	21.9	21.5	23.9	
26	19.1	18.0	21.3	21.5	22.0	22.9	23.1	23.0	22.4	21.7	21.6	21.5	21.0	20.9	20.2	22.5	25.6	27.4	26.5	24.9	22.9	22.2	21.9	21.5	22.3	
27	21.0	20.1	21.0	20.4	21.4	22.5	23.9	28.3	25.2	21.0	20.4	19.9	20.7	20.6	21.5	24.0	27.0	30.7	29.4	25.5	23.9	23.4	22.0	21.6	23.1	
28	21.0	21.8	22.0	21.6	22.2	23.9	24.3	23.9	22.8	20.1	20.1	24.1	21.1	19.2	20.5	24.8	27.0	29.4	28.5	25.5	23.1	22.2	22.1	21.7	23.0	
29	20.4	20.3	21.7	22.1	22.3	22.2	22.4	22.4	22.2	22.0	20.6	18.3	16.6	19.0	20.9	22.8	24.7	26.1	27.1	26.6	23.8	22.9	22.1	21.4	22.1	
30 D	21.8	21.0	14.5	20.4	21.1	35.4	21.8	35.1	15.7	22.3	34.0	21.9	26.6	30.2	27.5	23.6	24.6	25.8	25.5	24.5	23.1	23.1	22.2	21.9	24.3	
31																										
Mean	20.7	20.4	20.1	20.9	21.7	22.9	23.0	23.5	22.0	21.0	21.5	21.6	22.2	21.7	20.8	22.6	25.0	26.6	26.9	25.9	24.7	23.6	23.0	21.8	22.7	

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 33 Agincourt

$Z = 56,000 \gamma +$

November 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	149	149	149	146	146	148	147	145	143	143	138	145	149	149	147	143	141	145	149	150	151	154	154	157	147
2	156	154	150	151	145	142	143	143	143	143	139	138	147	144	141	137	134	137	143	149	154	168	174	201	149
3	172	157	152	148	143	142	133	125	129	137	136	136	137	132	134	134	136	137	142	144	148	151	155	156	142
4	154	151	148	146	139	128	134	131	125	128	132	133	135	136	137	142	144	144	148	153	156	165	154	149	142
5	148	145	144	143	143	143	113	99	129	141	144	146	147	145	141	130	126	134	141	143	144	144	143	143	138
6 D	141	141	149	145	120	130	138	141	138	138	138	139	141	140	138	143	138	143	149	156	157	165	162	156	144
7	151	155	155	150	142	125	142	145	145	143	135	129	131	142	143	142	138	139	137	144	145	148	145	148	142
8	148	145	144	144	143	143	145	149	147	145	143	141	143	142	142	142	143	148	152	154	150	149	149	148	146
9	148	147	149	146	145	145	145	145	144	144	143	143	145	146	146	138	132	136	142	143	144	143	144	145	144
10 Q	145	143	139	143	143	143	141	141	141	141	139	139	139	139	138	137	137	140	145	144	143	142	139	139	141
11	139	139	139	140	139	129	120	107	125	133	139	136	139	139	138	138	142	144	146	145	146	145	145	147	137
12 Q	149	145	144	144	142	142	142	143	143	142	141	143	143	141	140	139	140	144	140	147	146	144	144	143	143
13 Q	144	144	141	140	140	139	139	139	140	140	140	140	143	143	140	138	138	138	144	145	144	142	142	141	141
14	140	142	143	140	139	139	139	139	139	139	138	138	139	137	136	131	134	139	139	140	150	144	143	140	139
15 D	140	139	139	139	139	123	123	141	134	140	140	128	139	170	158	111	120	127	142	146	157	178	191	195	144
16 D	201	176	143	151	151	132	114	123	125	145	139	129	147	145	138	143	146	152	155	155	156	156	151	155	147
17	153	151	148	146	146	146	146	146	146	146	146	146	146	146	143	142	143	145	148	151	150	150	146	146	147
18 Q	144	144	144	142	143	142	142	143	142	142	142	141	141	141	142	140	141	141	142	144	143	141	142	141	142
19	142	141	142	142	142	142	142	141	141	141	141	141	142	142	141	140	141	141	143	145	145	147	149	147	143
20 Q	144	141	140	140	141	140	140	137	141	141	139	139	141	141	139	136	135	136	140	141	138	136	138	139	139
21	138	136	140	142	143	141	110	83	98	116	120	116	122	134	132	134	136	147	153	153	153	151	148	155	133
22 D	156	160	167	160	106	57	63	32	65	102	110	127	118	117	123	134	149	153	158	158	158	165	160	159	127
23	153	155	141	127	127	128	142	134	129	128	130	130	135	134	133	133	135	141	147	147	147	149	151	152	139
24	153	150	148	142	137	138	143	135	131	123	137	131	136	142	138	141	143	146	148	150	151	153	153	153	143
25	152	150	148	144	137	142	142	154	140	131	129	135	133	140	138	138	140	146	147	149	151	151	151	148	143
26	148	149	148	147	146	144	146	144	145	143	143	143	146	147	144	141	142	143	148	148	148	143	143	143	145
27	142	142	143	142	137	142	141	139	133	137	138	138	139	135	137	135	135	142	142	143	143	145	143	143	140
28	143	142	143	142	141	135	130	137	138	141	138	138	142	140	136	137	137	142	144	146	143	143	142	142	140
29	141	141	142	142	142	142	142	140	139	136	126	120	124	126	126	129	131	135	142	148	150	143	142	141	137
30 D	139	142	167	145	139	28	62	44	80	93	82	111	120	127	125	127	134	138	142	144	145	146	150	148	120
31																									
Mean	149	147	146	144	139	132	132	129	132	135	135	135	138	140	138	137	138	141	145	148	148	150	150	151	141

HORIZONTAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt

H = 15,000 γ +

December 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	951	944	934	942	945	948	949	948	949	945	950	956	950	947	939	933	939	954	955	949	956	955	957	956	948
2 Q	954	954	954	952	948	948	950	950	952	953	950	955	952	945	935	932	941	945	950	954	955	955	959	956	950
3	959	954	951	949	951	950	954	955	957	959	959	960	960	957	952	947	944	944	945	958	968	972	973	972	956
4	970	968	964	971	975	974	975	969	969	971	977	981	985	974	949	946	928	928	939	954	963	959	959	959	963
5	943	948	947	946	949	949	947	948	953	954	958	956	953	945	938	938	938	940	944	949	956	961	959	959	949
6 Q	955	958	955	953	953	950	954	955	955	958	960	962	964	959	954	949	944	945	950	954	960	965	964	964	956
7 Q	965	964	960	957	955	958	963	962	961	963	965	967	970	966	961	960	955	957	959	959	958	965	970	971	961
8	971	969	967	966	961	960	960	964	964	967	972	972	970	962	953	953	947	952	959	959	956	953	960	958	961
9	957	957	947	944	939	955	951	953	959	959	960	961	961	961	959	962	960	961	963	966	967	972	964	967	959
10	968	964	963	964	962	966	967	968	968	968	965	964	963	958	951	943	941	946	948	953	958	957	941	939	958
11 D	943	941	939	953	943	926	927	927	936	935	951	957	956	947	933	930	926	931	931	924	949	951	931	922	938
12	935	937	934	933	940	938	938	939	944	948	950	952	948	941	932	929	933	935	938	942	934	949	958	949	941
13	952	933	923	942	944	933	937	941	937	930	944	943	944	937	952	958	947	940	946	950	957	945	931	941	942
14	941	935	931	927	942	942	941	944	945	948	945	953	950	941	933	927	935	935	943	951	949	958	952	957	943
15	954	944	943	940	944	945	939	949	947	948	953	953	952	948	941	936	935	938	943	949	950	953	954	954	946
16	957	955	955	956	954	954	957	958	960	960	961	964	963	958	950	945	938	939	948	954	958	965	965	961	956
17 D	954	960	961	958	959	959	964	964	960	963	973	973	972	967	960	949	912	876	920	928	928	940	924	903	947
18 D	868	880	863	894	916	924	932	939	943	944	945	944	944	939	908	899	903	901	906	898	888	920	937	941	916
19 D	907	881	902	925	898	913	950	914	922	963	959	948	944	939	939	910	898	903	895	899	934	946	928	943	923
20 D	932	933	939	910	904	944	946	942	944	949	950	954	959	949	929	930	909	894	902	914	935	915	934	934	931
21	924	936	934	941	949	946	956	946	939	940	949	950	946	936	931	934	921	912	919	923	919	935	950	954	938
22	949	940	939	943	950	949	949	949	946	955	951	953	960	956	944	937	930	933	934	943	950	957	955	946	947
23 Q	953	953	950	949	956	957	955	954	955	959	960	956	959	956	951	946	940	939	941	946	951	955	957	956	952
24	954	954	954	955	955	955	956	958	960	959	960	959	959	956	951	940	936	942	950	953	959	960	962	961	955
25 Q	956	960	957	957	956	961	961	962	965	967	967	967	966	964	958	954	947	950	958	962	963	966	964	960	960
26	960	961	961	962	961	955	961	956	962	961	960	961	953	954	970	968	942	935	935	940	944	942	939	940	953
27	955	955	951	947	945	945	949	952	955	955	956	957	958	956	954	947	944	944	951	950	951	950	959	961	952
28	960	958	956	955	955	957	959	961	961	964	965	965	965	960	958	955	951	956	960	962	962	961	961	960	959
29	959	959	957	957	960	956	952	955	957	961	964	966	970	966	962	956	952	955	956	960	962	963	963	965	960
30	966	963	961	960	960	960	964	964	966	966	966	966	966	965	959	951	950	955	959	963	966	967	967	960	962
31	962	964	961	960	958	954	955	956	957	960	981	973	960	952	941	937	939	945	950	955	960	962	961	960	957
Mean	950	948	946	947	948	950	952	952	953	956	959	960	959	954	947	942	936	936	942	946	951	954	954	953	950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 35 Agincourt

D = 7°W + . . .'

December 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	21.8	21.9	19.3	21.0	21.9	23.0	23.0	22.8	22.7	23.2	22.1	20.8	20.9	20.5	20.9	25.2	26.8	26.8	26.5	24.9	23.5	22.2	21.9	21.5	22.7
2 Q	21.4	21.4	21.9	22.6	22.1	22.4	22.6	22.1	21.8	22.1	21.4	19.8	20.2	20.5	20.9	22.2	23.7	25.7	25.9	24.8	23.7	23.1	22.1	21.3	22.3
3	20.9	21.3	21.7	21.6	21.5	22.1	22.3	22.1	22.0	21.8	21.2	21.0	20.4	19.2	20.3	20.8	22.7	23.9	25.7	24.6	23.6	22.3	21.2	20.7	21.9
4	20.3	20.3	20.5	20.4	20.9	21.2	21.8	22.2	21.0	24.6	20.4	26.7	21.7	19.8	28.8	28.7	27.4	31.0	28.3	26.7	26.3	24.1	23.5	23.4	23.8
5	22.1	19.8	21.2	21.1	21.7	22.5	21.9	22.5	22.6	21.9	22.7	22.0	20.8	19.9	21.3	22.3	22.7	23.6	24.4	24.5	24.0	23.5	22.7	22.0	22.2
6 Q	20.2	21.1	21.0	21.3	21.7	21.9	22.0	22.7	22.7	21.5	21.0	20.9	20.2	19.9	20.0	21.4	23.3	24.5	24.0	23.3	22.5	22.2	21.9	21.6	21.8
7 Q	21.3	21.1	20.7	21.3	20.9	21.2	22.0	21.7	21.2	21.3	21.3	20.7	20.4	19.4	19.8	20.3	21.7	22.7	23.6	23.0	22.9	23.3	22.5	21.1	21.5
8	20.6	20.2	20.2	20.7	21.1	21.4	21.8	23.2	23.7	22.2	18.4	20.4	20.9	20.3	21.2	23.3	26.2	28.4	28.7	27.0	26.4	25.1	24.4	23.4	22.9
9	19.4	20.3	21.0	21.6	17.8	18.0	19.9	21.1	21.1	20.7	20.9	22.4	21.2	20.1	20.0	21.2	22.7	23.8	24.2	23.6	22.9	22.2	21.5	21.2	21.2
10	20.8	20.9	21.0	21.3	21.6	21.6	21.7	21.5	21.2	20.9	20.9	21.0	20.9	20.4	20.7	21.9	23.5	26.2	27.1	27.1	25.0	24.5	24.7	20.4	22.4
11 D	20.4	20.6	19.3	20.1	25.7	19.7	20.0	20.0	17.0	19.9	22.4	20.9	20.6	21.1	28.3	29.0	30.3	30.2	29.2	31.0	25.3	27.2	27.4	20.4	23.6
12	20.4	19.9	19.7	19.0	22.5	22.5	22.3	21.7	21.9	21.7	21.8	21.7	21.1	20.5	20.7	21.6	22.4	24.6	24.8	28.0	27.6	25.8	25.6	25.2	22.6
13	26.3	21.2	15.6	20.8	19.7	20.3	20.9	23.2	21.5	23.6	22.5	20.1	18.7	22.1	22.6	24.0	24.1	24.1	24.1	22.7	22.4	23.3	23.6	22.3	22.1
14	20.5	19.8	19.6	16.8	20.1	20.5	21.0	21.9	21.5	21.5	21.0	22.5	20.0	18.9	20.6	22.0	25.3	27.8	26.5	25.5	22.8	22.4	22.4	22.0	21.8
15	21.3	20.3	20.6	18.7	25.1	22.4	26.9	25.8	21.9	19.7	21.3	20.8	19.8	18.7	19.4	21.1	23.2	24.8	25.9	25.0	23.3	22.5	22.1	21.2	22.2
16	20.8	20.2	20.0	20.4	21.1	21.5	22.2	21.6	21.6	21.4	21.4	19.8	19.1	18.8	17.6	18.3	21.6	23.8	24.8	24.2	23.0	21.8	21.1	21.0	21.2
17 D	20.4	20.0	19.8	20.0	20.2	21.3	21.6	22.2	25.0	26.2	20.8	19.8	19.6	19.2	19.3	22.1	23.3	30.7	36.2	26.7	27.3	22.5	27.8	20.7	23.0
18 D	5.9	10.2	-2.8	16.3	19.7	23.2	25.5	25.4	25.4	23.8	24.9	28.8	27.9	23.2	28.9	26.2	24.8	26.4	27.6	26.6	23.4	27.7	25.0	22.3	22.4
19 D	13.6	6.5	13.9	18.5	30.4	33.6	26.5	24.4	28.8	20.8	25.4	27.3	26.3	23.7	21.0	22.8	21.0	25.0	24.3	22.2	25.7	23.0	18.5	19.9	22.6
20 D	19.9	17.8	20.7	24.1	19.9	19.4	21.3	20.8	21.5	24.8	27.6	24.7	23.4	22.0	23.3	24.1	23.7	22.0	27.4	22.5	13.8	19.8	23.2	22.1	
21	19.3	14.7	17.4	22.2	22.6	20.4	25.9	20.7	22.7	22.9	23.7	22.4	22.9	23.1	25.1	20.9	24.2	22.3	24.3	22.5	24.1	25.0	23.0	22.2	22.3
22	21.1	20.4	18.6	17.9	20.1	21.3	22.0	22.9	26.9	23.6	23.1	25.0	22.1	19.9	19.4	20.2	21.9	23.6	25.1	25.5	25.0	23.1	22.5	21.5	22.1
23 Q	21.2	21.0	19.7	19.4	19.4	22.2	22.3	22.0	21.5	22.8	21.7	22.0	21.8	20.3	19.3	20.1	22.0	24.0	24.7	24.1	23.5	22.7	21.9	21.8	21.6
24	21.0	20.6	21.0	21.0	21.2	21.6	21.8	22.0	21.5	20.2	20.6	21.9	20.9	21.0	19.4	21.2	22.1	24.1	25.7	25.5	24.1	22.0	21.0	20.5	21.8
25 Q	19.2	18.8	20.3	20.2	20.5	21.6	21.9	21.7	21.2	21.0	21.3	21.4	20.4	19.4	18.4	19.4	21.2	23.5	24.4	24.0	23.0	21.9	21.1	21.1	21.1
26	20.4	19.6	19.4	20.2	20.1	20.0	20.3	21.1	21.2	23.2	20.9	21.2	22.5	20.5	34.7	25.7	25.2	25.6	25.1	24.3	26.2	25.0	20.7	18.4	22.6
27	21.2	20.1	20.2	20.6	20.9	21.2	21.4	21.7	21.1	20.8	21.0	21.0	20.5	20.1	19.5	20.7	21.0	22.9	23.8	23.9	23.3	21.4	20.4	20.1	21.2
28	19.8	19.9	20.1	20.6	20.9	21.1	21.6	21.4	21.1	20.8	20.7	20.6	20.2	20.5	20.4	20.1	21.7	22.5	23.5	23.8	23.8	23.1	21.5	21.7	21.3
29	20.3	19.8	20.0	19.9	19.9	20.4	21.2	21.3	21.1	21.0	20.9	20.8	19.8	20.4	19.5	20.9	21.9	23.3	23.9	23.6	22.7	22.0	21.0	20.4	21.1
30	19.9	19.7	19.9	20.0	20.4	21.0	21.5	21.5	21.5	21.0	21.0	20.3	19.5	18.7	17.8	19.6	21.2	22.2	21.9	21.9	22.1	22.1	21.5	20.2	20.7
31	19.8	19.9	19.6	19.4	19.2	19.3	19.8	19.6	19.9	24.7	27.1	20.3	18.5	16.7	20.0	25.3	26.7	26.1	26.2	24.5	22.8	22.7	21.6	20.3	21.7
Mean	20.0	19.3	19.1	20.3	21.2	21.6	22.2	22.1	22.1	22.1	22.0	21.9	21.1	20.3	21.5	22.3	23.6	25.1	25.6	24.9	24.0	23.0	22.4	21.4	22.0

VERTICAL INTENSITY
Mean values for periods of sixty minutes, Universal Time

Table 36 Agincourt

Z = 56,000 γ +

December 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	146	144	144	143	143	143	143	142	142	140	140	139	141	141	138	135	138	141	143	147	145	143	143	142	142	142
2	141	141	140	140	140	140	139	141	141	140	139	139	140	140	136	136	137	140	142	143	142	142	141	141	141	140
3	140	139	139	140	136	140	140	140	140	140	139	138	138	138	137	135	130	131	134	140	141	137	136	136	135	137
4	134	134	134	134	133	132	131	130	122	111	104	99	103	112	117	118	126	136	145	145	143	140	141	145	128	
5	159	155	148	142	141	140	139	139	141	139	136	136	136	137	137	135	134	134	137	142	141	141	141	141	141	140
6	141	141	140	139	138	138	136	136	137	139	137	137	136	135	134	130	124	124	129	134	136	138	138	139	138	136
7	137	138	137	139	139	139	139	137	136	136	136	135	135	134	130	125	130	135	140	139	138	139	139	139	136	136
8	135	135	135	134	134	134	134	130	124	118	117	122	127	129	130	128	129	132	136	139	140	142	144	145	132	132
9	145	141	141	141	136	122	139	135	136	135	135	135	135	135	133	129	129	131	135	134	134	133	133	133	133	135
10	133	134	133	133	133	131	131	131	131	131	131	131	133	131	127	134	134	129	135	139	140	141	145	155	134	134
11	150	152	153	143	127	129	133	128	132	135	134	131	141	124	128	127	130	135	142	181	172	160	183	183	144	144
12	162	160	158	159	154	148	146	145	142	141	141	141	142	142	141	141	139	140	142	147	147	151	154	163	148	148
13	179	188	166	161	151	147	145	148	143	134	131	133	136	135	128	123	127	129	134	139	142	142	152	152	144	144
14	153	155	153	154	150	147	143	143	142	139	131	124	128	134	136	135	139	142	143	147	146	145	147	142	142	142
15	152	157	166	147	119	115	124	134	141	142	143	142	142	141	139	136	136	140	145	147	147	147	147	145	141	141
16	144	143	142	142	141	140	140	140	137	137	137	136	137	137	136	131	132	137	143	143	143	142	141	140	139	139
17	139	138	137	137	136	136	136	135	131	122	128	130	131	134	130	126	124	148	161	165	173	250	272	237	152	152
18	240	229	148	171	162	151	142	136	142	144	143	137	137	141	146	154	167	164	174	193	236	210	179	161	167	167
19	173	174	161	153	112	89	118	74	61	126	124	131	132	150	148	140	159	158	170	178	167	161	161	161	141	141
20	161	156	143	130	111	136	142	136	105	100	93	127	135	136	145	141	144	156	167	171	173	180	161	161	142	142
21	161	154	150	150	133	131	113	110	123	124	132	137	139	148	148	146	144	151	157	166	168	163	156	151	144	144
22	151	153	150	149	147	147	145	144	138	138	136	142	143	144	143	140	143	144	149	152	153	151	149	149	146	146
23	149	145	144	144	141	140	141	143	142	141	138	140	142	142	141	136	138	141	143	144	144	143	142	140	142	142
24	141	140	140	139	138	138	138	137	136	136	137	137	137	138	140	136	137	139	143	147	148	144	143	141	140	140
25	139	138	138	137	137	137	138	138	138	136	136	136	136	136	137	136	136	136	136	137	143	143	142	139	138	138
26	138	137	136	136	135	135	133	131	136	132	123	124	127	130	126	127	133	136	141	146	154	155	158	159	137	137
27	148	143	138	138	138	137	136	134	134	134	135	137	137	138	137	137	138	137	139	140	143	144	145	143	139	139
28	141	139	139	139	139	138	138	138	138	137	136	136	136	136	134	132	133	137	136	138	139	140	139	139	137	137
29	140	139	139	137	134	127	134	134	136	136	136	136	136	135	134	129	128	133	134	135	139	139	139	139	139	135
30	139	137	137	136	135	135	135	135	135	135	135	135	135	135	136	136	131	130	134	135	135	135	135	137	139	135
31	142	138	137	136	136	136	136	136	136	119	93	99	118	128	127	126	130	135	136	136	141	142	141	141	131	131
Mean	150	149	144	143	137	135	136	134	133	133	131	132	134	136	135	133	136	139	144	148	150	151	151	150	140	140

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (All Days)

Table 37 Agincourt

15,000 γ +

1962

G.M.T	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	894	900	918	912	937	947	952	949	943	947	952	950	934	946	932	924
1-2	893	897	916	919	936	942	948	943	942	945	951	948	932	942	931	922
2-3	892	897	914	919	936	941	948	944	940	942	949	946	931	942	929	921
3-4	892	897	915	918	934	941	946	947	939	939	950	947	930	942	928	922
4-5	887	898	916	918	934	942	946	947	938	942	950	948	930	942	928	921
5-6	892	901	914	918	933	939	945	945	937	941	949	950	930	940	928	923
6-7	893	900	916	917	932	939	944	943	934	941	949	952	930	940	927	924
7-8	894	900	916	918	931	939	942	942	926	942	949	952	929	938	926	924
8-9	894	900	917	918	931	937	946	941	931	945	951	953	930	939	928	924
9-10	896	900	918	920	931	937	945	942	938	946	951	956	932	939	930	926
10-11	897	901	919	922	930	936	942	943	936	948	952	959	932	938	931	927
11-12	899	902	918	918	928	934	942	940	940	945	953	960	932	936	930	928
12-13	897	902	914	914	923	930	938	929	936	939	949	959	928	930	926	927
13-14	895	897	911	905	915	924	930	919	926	929	944	954	921	922	918	922
14-15	886	889	904	895	908	918	923	913	916	918	935	947	913	916	908	914
15-16	876	882	897	889	908	915	922	915	914	916	931	942	909	915	904	908
16-17	870	881	893	895	916	923	928	922	919	919	933	936	911	922	906	905
17-18	872	883	897	909	926	935	939	936	933	924	939	936	919	934	916	908
18-19	879	888	905	922	936	947	950	950	946	932	945	942	928	946	926	914
19-20	885	893	913	933	944	955	960	961	955	942	951	946	936	955	936	919
20-21	894	899	919	935	948	961	964	962	959	946	955	951	941	959	940	925
21-22	898	902	921	934	949	962	961	963	956	946	952	954	942	959	939	926
22-23	896	904	920	931	944	957	959	959	951	946	954	954	940	955	937	927
23-24	895	902	920	925	940	952	957	953	946	946	954	953	937	950	934	926
Mean	890	896	913	917	931	940	945	942	938	939	948	950	929	940	927	921

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (All Days)

Table 38 Agincourt

7° W + ...'

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	19.0	20.3	19.9	18.2	20.2	19.4	19.0	17.7	19.2	19.3	20.7	20.0	19.4	19.1	19.2	20.0
1-2	18.9	20.1	19.4	18.7	20.1	19.3	18.4	16.8	19.1	17.6	20.4	19.3	19.0	18.6	18.8	19.7
2-3	18.3	19.5	18.9	18.2	19.7	19.4	18.2	17.4	18.6	17.4	20.1	19.1	18.7	18.7	18.3	19.2
3-4	18.3	19.7	19.0	17.6	19.6	18.8	17.7	17.8	18.5	19.0	20.9	20.3	18.9	18.5	18.5	19.8
4-5	20.0	19.7	18.8	17.9	19.1	18.7	18.0	18.6	20.3	20.1	21.7	21.2	19.5	18.6	19.3	20.6
5-6	19.6	19.9	18.4	19.4	19.4	19.1	17.7	20.2	19.9	20.0	22.9	21.6	19.8	19.1	19.4	21.0
6-7	20.4	20.8	19.1	20.0	18.6	19.5	19.4	19.9	19.7	20.4	23.0	22.2	20.2	19.4	19.8	21.6
7-8	20.5	20.8	18.8	18.7	18.8	19.7	19.7	21.6	21.2	20.3	23.5	22.1	20.5	20.0	19.8	21.7
8-9	20.5	20.4	18.6	18.8	18.6	20.1	19.0	20.8	19.6	20.7	22.0	22.1	20.1	19.6	19.4	21.2
9-10	20.0	20.1	17.9	18.1	17.8	18.4	17.9	18.0	18.5	20.8	21.0	22.1	19.2	18.0	18.8	20.8
10-11	20.2	19.0	17.7	17.3	16.2	15.2	15.4	15.7	18.1	21.1	21.5	22.0	18.3	15.6	18.6	20.7
11-12	20.6	19.6	17.5	16.4	14.3	13.2	14.5	13.9	16.8	20.9	21.6	21.9	17.6	14.0	17.9	20.9
12-13	20.6	19.2	17.5	15.9	14.4	12.0	13.2	13.4	15.7	20.4	22.2	21.1	17.1	13.2	17.4	20.8
13-14	18.9	18.3	16.7	15.9	15.1	12.8	13.6	14.5	16.6	19.5	21.7	20.3	17.0	14.0	17.2	19.8
14-15	17.7	17.7	16.9	17.9	17.3	15.5	16.3	17.6	19.4	19.8	20.8	21.5	18.2	16.7	18.5	19.4
15-16	18.6	20.2	18.6	20.5	20.8	19.6	19.9	21.8	23.1	21.9	22.6	22.3	20.8	20.5	21.0	20.9
16-17	21.1	22.8	21.8	24.0	24.6	23.9	23.2	25.7	25.9	24.2	25.0	23.6	23.8	24.4	24.0	23.1
17-18	23.4	24.0	24.2	26.4	25.9	26.1	25.3	27.5	27.7	25.4	26.6	25.1	25.6	26.2	25.9	24.8
18-19	24.6	25.0	25.2	27.0	26.6	26.6	26.0	27.3	27.1	26.1	26.9	25.6	26.2	26.6	26.4	25.5
19-20	24.5	25.7	24.7	26.4	25.8	26.4	25.0	25.6	25.3	25.1	25.9	24.9	25.4	25.7	25.4	25.2
20-21	23.4	24.7	23.7	24.9	24.1	25.2	23.9	23.7	22.5	24.2	24.7	24.0	24.1	24.2	23.8	24.2
21-22	22.1	23.0	22.4	23.3	22.3	23.2	22.0	21.7	21.2	21.8	23.6	23.0	22.5	22.3	22.2	22.9
22-23	20.8	22.0	21.4	21.4	21.0	21.5	20.5	20.0	20.5	21.1	23.0	22.4	21.3	20.8	21.1	22.0
23-24	19.8	21.2	20.6	20.1	20.2	19.9	19.9	19.4	19.3	20.9	21.8	21.4	20.4	19.8	20.2	21.0
Mean	20.5	21.0	19.9	20.1	20.0	19.7	19.3	19.9	20.6	21.2	22.7	22.0	20.6	19.7	20.4	21.6

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (All Days)

Table 39 Agincourt

56,000 γ +

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	160	157	157	157	156	161	160	160	163	156	149	150	157	159	158	154
1-2	160	158	157	153	153	157	154	156	160	157	147	149	155	155	157	154
2-3	159	156	157	148	151	155	150	148	155	152	146	144	162	151	153	151
3-4	157	154	156	144	148	150	146	140	143	147	144	143	148	146	148	150
4-5	150	151	153	142	148	143	140	132	136	137	139	137	142	141	142	144
5-6	155	150	152	139	145	137	135	124	134	132	132	135	139	135	139	143
6-7	155	150	150	132	143	138	129	118	127	131	132	136	137	132	135	143
7-8	154	149	149	134	144	140	130	117	120	128	129	134	136	133	133	142
8-9	155	147	150	134	145	141	135	121	127	129	132	133	137	136	135	142
9-10	155	144	149	132	147	142	142	133	134	129	135	133	140	141	136	142
10-11	154	143	150	136	147	144	144	140	136	132	135	131	141	144	138	141
11-12	153	142	152	138	145	145	145	143	144	137	135	132	143	144	143	140
12-13	154	146	152	139	143	144	144	142	146	141	138	134	144	143	144	143
13-14	155	146	151	139	141	143	143	141	145	142	140	136	144	142	144	144
14-15	153	144	148	137	138	143	143	142	145	144	138	135	142	142	144	142
15-16	152	142	146	138	136	143	142	141	147	142	137	133	142	140	143	141
16-17	155	145	146	140	138	144	144	143	150	144	138	136	144	142	145	144
17-18	158	149	150	145	141	146	145	146	155	149	141	139	147	144	150	147
18-19	161	152	153	149	147	149	147	151	160	155	145	144	151	148	154	150
19-20	164	156	156	155	152	154	152	155	169	158	148	148	156	153	160	154
20-21	164	158	157	159	156	158	157	158	170	162	148	150	158	157	162	155
21-22	162	158	158	162	159	160	162	162	168	163	150	151	160	161	163	155
22-23	162	157	159	162	161	162	164	164	168	160	150	151	160	163	162	155
23-24	161	157	158	160	159	162	163	162	165	159	151	150	159	162	160	155
Mean	157	150	153	145	148	148	146	143	149	145	141	140	147	146	148	147

PUBLICATIONS OF THE DOMINION OBSERVATORY

MEAN VALUES OF MAGNETIC ELEMENTS
HORIZONTAL INTENSITY (Quiet Days)

Table 40 Agincourt													15,000 γ +				1962
G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter	
0-1	900	896	924	924	942	947	953	951	950	950	958	957	938	948	937	928	
1-2	898	897	923	926	942	946	954	954	950	946	961	958	938	949	936	928	
2-3	897	896	920	925	943	946	953	953	950	945	959	955	937	949	935	927	
3-4	896	897	923	925	941	946	949	954	947	940	957	954	936	948	934	926	
4-5	896	896	922	925	937	948	948	953	950	939	958	954	936	946	934	926	
5-6	897	898	919	924	938	948	949	953	951	943	957	955	936	947	934	927	
6-7	899	898	919	924	942	946	952	953	952	944	956	957	937	948	935	928	
7-8	900	898	921	923	939	948	951	952	951	948	958	957	937	948	936	928	
8-9	901	898	923	923	938	948	950	951	941	946	961	958	936	947	933	930	
9-10	902	900	923	925	940	946	949	950	952	950	961	960	938	946	938	931	
10-11	901	900	924	925	940	945	948	950	952	952	962	960	938	946	938	931	
11-12	902	899	924	922	939	942	945	944	948	951	960	961	936	942	936	930	
12-13	901	899	921	915	931	936	939	933	940	945	955	962	931	935	930	929	
13-14	898	896	915	908	921	927	933	917	932	922	944	958	923	924	919	924	
14-15	890	888	908	901	913	920	927	909	926	920	940	954	916	917	914	918	
15-16	882	880	901	902	915	919	928	917	926	917	938	950	915	920	912	912	
16-17	875	877	899	910	922	927	934	930	931	920	943	945	918	928	915	910	
17-18	876	879	903	919	932	940	944	942	944	928	950	947	925	940	924	913	
18-19	882	886	911	931	940	952	955	952	955	938	959	952	934	950	934	920	
19-20	889	892	918	940	948	961	959	960	960	947	964	955	941	957	941	925	
20-21	899	901	925	941	950	964	963	966	963	954	965	957	946	961	946	930	
21-22	905	905	928	937	949	964	961	964	962	956	965	961	946	960	946	934	
22-23	905	907	928	932	947	962	960	964	956	954	965	963	945	958	942	935	
23-24	904	907	928	930	947	960	958	956	953	953	963	962	943	955	941	934	
Mean	896	895	919	923	937	945	948	947	948	942	957	956	934	944	933	926	

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (Quiet Days)

Table 41 Agincourt

7° W + ...'

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	19.6	20.4	19.9	18.8	19.6	19.6	20.0	19.7	20.0	18.5	21.0	20.7	19.8	19.7	19.3	20.4
1-2	19.4	20.1	19.6	19.1	20.1	20.3	19.9	20.1	20.3	18.4	20.5	20.7	19.9	20.1	19.4	20.2
2-3	19.4	20.2	19.6	20.0	19.6	20.4	18.6	19.3	19.7	19.3	20.9	20.7	19.8	19.5	19.6	20.3
3-4	19.7	20.2	19.4	19.9	19.5	20.4	18.1	19.5	20.1	19.4	21.9	21.0	19.9	19.4	19.7	20.7
4-5	19.9	20.4	19.4	19.9	19.4	20.1	18.6	19.8	21.0	19.0	22.2	20.9	20.0	19.5	19.8	20.8
5-6	20.2	21.0	19.0	19.7	20.7	20.0	19.0	19.9	21.0	20.1	22.2	21.9	20.4	19.9	20.0	21.3
6-7	20.5	21.0	19.0	19.4	19.6	20.0	20.2	19.3	20.5	21.7	22.1	22.2	20.5	19.8	20.2	21.4
7-8	20.3	20.6	19.0	19.0	19.4	19.4	19.2	18.6	19.5	20.4	22.4	22.0	20.0	19.2	19.5	21.3
8-9	20.3	20.9	18.7	18.3	18.8	18.8	18.8	18.3	19.1	21.5	21.5	21.7	19.7	18.7	19.4	21.1
9-10	20.0	20.3	18.2	18.5	17.8	17.3	17.5	17.4	18.8	21.9	21.3	21.7	19.2	17.5	19.4	20.8
10-11	20.0	19.8	18.1	17.8	15.9	14.5	15.8	16.1	18.4	20.9	21.1	21.3	18.3	15.6	18.8	20.6
11-12	20.0	19.7	17.8	16.6	13.8	12.8	16.6	14.3	17.8	19.3	21.0	21.0	17.6	14.4	17.9	20.4
12-13	19.4	19.1	16.7	15.8	13.1	11.4	13.6	13.0	16.9	17.7	20.2	20.6	16.5	12.8	16.8	19.8
13-14	17.9	17.2	15.5	16.8	13.4	12.3	14.1	13.8	17.0	16.6	19.4	19.9	16.2	13.4	16.5	18.6
14-15	17.1	17.3	15.7	18.7	16.2	15.7	15.7	17.5	19.1	17.9	19.7	19.7	17.5	16.3	17.8	18.4
15-16	18.4	19.0	17.4	20.5	20.1	20.3	19.6	22.5	21.5	21.1	22.0	20.7	20.3	20.6	20.1	20.0
16-17	20.5	21.2	20.7	23.7	24.1	24.5	22.9	25.9	24.4	24.1	24.2	22.4	23.2	24.4	23.2	22.1
17-18	23.1	23.1	23.4	25.9	26.2	26.4	24.2	27.9	27.0	25.6	25.7	24.1	25.2	26.2	25.5	24.0
18-19	24.5	24.1	24.3	26.5	26.7	26.7	24.5	27.4	26.3	26.4	26.0	24.5	25.7	26.3	25.9	24.8
19-20	23.6	24.3	24.2	26.1	25.6	25.7	23.1	25.2	24.6	25.8	24.7	23.6	24.7	24.9	25.2	24.1
20-21	22.7	23.3	23.5	24.7	23.7	24.3	22.7	22.4	22.5	24.4	23.3	23.1	23.4	23.3	23.8	23.1
21-22	20.9	21.9	22.2	23.5	22.0	22.2	21.3	20.3	21.5	23.0	22.6	22.6	22.0	21.4	22.6	22.0
22-23	20.2	21.2	21.3	21.9	20.5	20.5	20.4	19.2	20.8	21.5	22.4	21.9	21.0	20.2	21.4	21.4
23-24	19.5	20.7	20.5	21.0	19.6	19.3	20.2	19.6	20.2	21.4	22.0	21.4	20.4	19.7	20.8	20.9
Mean	20.3	20.7	19.7	20.5	19.8	19.7	19.4	19.9	20.8	21.0	22.1	21.7	20.5	19.7	20.5	21.2

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 42 Agincourt		56,000 γ +											1962			
G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	159	154	153	158	150	150	155	148	154	157	145	141	152	151	156	150
1-2	158	153	152	155	149	150	153	146	153	157	143	141	151	150	154	149
2-3	158	153	153	152	148	149	148	144	151	156	142	140	150	147	153	148
3-4	158	153	153	150	147	148	145	143	150	151	142	140	148	146	151	148
4-5	157	152	153	150	147	147	146	143	151	144	142	139	148	146	150	148
5-6	157	150	152	151	148	145	144	143	147	140	141	139	146	145	148	147
6-7	156	150	151	151	147	145	140	143	148	136	141	139	146	144	146	146
7-8	156	149	152	150	145	146	143	144	149	135	141	139	146	144	146	146
8-9	157	151	151	150	147	146	146	143	150	136	141	139	146	146	147	147
9-10	157	151	151	151	150	149	148	144	150	137	141	138	147	148	147	147
10-11	157	151	152	152	151	150	149	146	150	139	140	137	148	149	148	146
11-12	157	150	154	151	150	147	149	146	151	146	140	137	148	148	150	146
12-13	157	151	155	149	147	146	147	145	149	148	141	138	148	146	150	147
13-14	156	151	154	146	144	145	147	144	146	148	141	138	147	145	148	146
14-15	153	148	151	143	138	145	147	143	146	148	140	135	145	143	147	144
15-16	151	144	146	143	132	146	144	140	144	144	138	131	142	140	144	141
16-17	153	145	145	143	131	145	146	140	147	144	138	133	142	140	145	142
17-18	156	148	149	146	135	144	145	143	149	148	140	136	145	142	148	145
18-19	159	150	152	150	140	143	146	148	153	152	142	139	148	144	152	148
19-20	161	153	153	154	144	145	147	152	157	154	144	141	150	147	154	150
20-21	161	153	155	156	147	147	150	153	157	153	143	141	151	149	155	150
21-22	160	153	156	156	150	150	153	152	155	154	141	141	152	151	155	149
22-23	159	151	156	156	149	151	153	152	155	153	141	140	151	151	155	148
23-24	158	150	155	155	148	150	151	149	156	152	141	139	150	150	154	147
Mean	157	151	152	151	145	147	148	146	151	147	141	138	148	146	150	147

MEAN VALUES OF MAGNETIC ELEMENTS
HORIZONTAL INTENSITY (Disturbed Days)

Table 43 Agincourt

15,000 γ +

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	890	902	912	907	935	949	961	953	948	946	954	921	932	950	928	917
1-2	887	890	911	905	935	945	953	931	949	940	950	919	926	941	926	912
2-3	888	893	912	908	938	941	952	924	946	938	941	921	925	939	926	911
3-4	891	897	911	908	938	939	949	933	945	937	946	928	927	940	925	916
4-5	866	900	914	905	934	936	949	931	935	947	941	924	924	938	925	908
5-6	886	902	908	902	936	924	937	930	931	942	931	933	922	932	921	913
6-7	884	901	913	901	932	930	923	934	915	929	929	944	920	930	914	914
7-8	883	897	914	908	930	932	911	927	870	927	930	937	914	925	905	912
8-9	884	896	912	908	933	932	934	919	892	936	938	941	919	930	912	915
9-10	888	893	913	906	933	926	933	920	921	935	940	951	922	928	919	918
10-11	885	896	917	911	927	929	923	936	906	942	944	956	923	929	919	920
11-12	893	903	916	902	920	928	927	937	936	931	949	955	925	928	921	925
12-13	887	905	906	901	912	924	925	921	935	928	942	955	920	920	918	922
13-14	889	890	908	894	909	926	914	912	917	923	948	948	915	915	910	919
14-15	865	880	899	879	896	923	907	909	906	912	936	934	904	909	899	904
15-16	860	868	904	865	902	917	903	908	905	913	923	924	899	908	897	894
16-17	857	871	885	876	907	920	920	912	905	907	923	910	899	915	893	890
17-18	860	872	889	899	918	928	940	931	922	918	925	901	909	929	907	890
18-19	864	874	896	910	925	938	947	945	936	925	929	911	917	939	917	894
19-20	873	878	902	929	933	948	959	961	957	937	937	913	927	950	931	900
20-21	880	885	909	934	945	962	962	961	963	938	948	927	934	958	936	910
21-22	883	888	910	928	947	967	949	969	963	934	933	934	934	958	934	910
22-23	880	890	911	925	942	956	949	959	953	934	942	931	931	952	931	911
23-24	880	889	913	921	932	953	953	946	938	938	946	929	928	946	928	911
Mean	879	890	908	906	927	936	937	934	929	931	939	931	921	934	918	910

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (Disturbed Days)

Table 44 Agincourt

7° W + ...'

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	17.7	20.0	19.6	13.8	20.4	17.6	16.7	18.1	20.5	17.9	21.8	16.0	18.3	18.2	18.0	18.9
1-2	18.4	20.2	18.9	17.0	19.6	19.0	16.8	10.9	19.6	12.1	20.2	15.0	17.4	16.6	17.2	18.4
2-3	16.4	18.0	19.1	17.2	17.9	18.5	17.3	13.7	15.7	17.4	18.2	14.2	17.0	16.8	17.4	16.7
3-4	16.6	19.1	19.4	14.9	18.0	14.8	15.8	12.6	12.4	20.1	19.7	19.8	16.9	15.3	16.7	18.8
4-5	22.8	19.0	18.6	16.1	16.9	14.4	17.4	15.8	18.9	20.2	21.7	23.2	18.8	16.1	18.4	21.7
5-6	17.4	19.1	17.7	21.1	17.7	17.1	15.0	19.5	20.5	19.0	26.2	23.4	19.5	17.3	19.6	21.5
6-7	20.5	20.8	18.6	21.7	17.4	17.9	20.2	19.4	20.5	19.2	21.5	23.0	20.1	18.7	20.0	21.4
7-8	19.5	20.5	19.6	17.9	18.3	17.8	19.6	25.3	30.9	19.6	25.5	22.6	21.4	20.2	22.0	22.0
8-9	19.9	20.1	19.5	18.8	18.1	19.2	18.6	27.1	22.4	19.0	21.1	23.5	20.6	20.8	19.9	21.2
9-10	18.9	20.6	19.2	20.3	17.7	22.1	16.9	21.5	21.2	20.3	19.8	23.1	20.1	19.6	20.2	20.6
10-11	21.1	18.6	17.6	18.5	16.1	13.8	13.9	13.2	21.0	20.7	23.3	24.2	18.5	14.2	19.4	21.8
11-12	25.1	20.5	17.3	18.1	14.7	11.0	13.8	11.8	15.5	22.9	22.5	24.3	18.1	12.8	18.4	23.1
12-13	26.5	19.5	21.7	18.9	18.3	10.7	13.2	12.9	13.4	24.8	29.8	23.6	19.4	13.8	19.7	24.8
13-14	23.6	21.9	21.0	17.7	17.9	12.2	15.0	14.7	15.4	25.5	29.0	21.8	19.6	15.0	19.9	24.1
14-15	22.2	19.1	21.7	20.2	18.6	15.1	19.1	17.6	19.1	21.7	22.8	23.9	20.1	17.6	20.7	22.0
15-16	20.9	23.4	22.4	21.8	22.3	18.0	21.9	21.4	24.3	24.1	22.8	24.7	22.3	20.9	23.2	23.0
16-17	23.3	26.3	24.9	25.0	26.0	21.4	25.3	26.8	26.9	25.8	24.2	24.7	25.0	24.9	25.6	24.6
17-18	24.9	27.3	26.5	26.0	25.7	25.2	25.9	27.3	29.2	26.6	26.0	27.2	26.5	26.0	27.1	26.4
18-19	26.4	26.9	27.3	26.9	26.8	27.0	25.0	27.3	29.9	25.9	27.4	27.9	27.0	26.5	27.5	26.9
19-20	25.9	29.4	26.2	27.0	26.2	27.7	23.8	26.0	28.3	24.7	26.8	26.8	26.6	25.9	26.6	27.2
20-21	24.8	28.0	24.9	25.1	23.9	25.5	22.7	23.9	23.8	24.0	26.3	24.8	24.8	24.0	24.4	26.0
21-22	23.3	24.3	22.6	24.6	22.5	24.2	20.7	21.7	22.7	20.4	24.1	22.8	22.8	22.3	22.6	23.6
22-23	21.4	22.2	20.6	19.6	21.2	22.1	19.5	20.1	21.1	19.2	24.0	23.7	21.2	20.7	20.1	22.8
23-24	19.2	20.3	20.4	18.5	19.4	19.5	20.0	18.7	14.2	21.3	22.6	21.3	19.6	19.4	18.6	20.8
Mean	21.5	21.9	21.1	20.3	20.1	18.8	18.9	19.5	21.1	21.4	23.6	22.7	20.9	19.3	21.0	22.4

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (Disturbed Days)

Table 45 Agincourt

56,000 γ +

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	161	167	159	162	159	165	161	178	163	162	155	173	164	166	162	164
1-2	163	169	159	154	157	160	151	169	159	172	152	170	161	159	161	164
2-3	160	163	158	151	148	157	143	149	151	164	153	148	154	149	156	156
3-4	156	157	159	138	138	146	135	130	134	157	148	147	145	137	147	152
4-5	116	149	151	137	141	123	119	105	107	134	131	130	129	122	132	132
5-6	152	143	148	119	141	116	109	110	104	129	94	128	124	119	125	130
6-7	151	143	148	107	136	118	95	103	89	120	100	134	120	113	116	132
7-8	151	144	139	113	141	118	103	74	39	98	96	123	112	109	97	128
8-9	154	143	144	106	145	118	116	66	90	96	108	114	117	111	109	130
9-10	154	132	141	97	147	107	136	91	111	97	124	125	122	120	112	134
10-11	147	127	142	106	139	119	134	116	98	118	122	124	124	127	116	130
11-12	138	122	145	111	132	130	137	132	124	126	127	131	130	133	126	130
12-13	139	133	144	119	126	130	142	141	137	133	133	135	134	135	133	135
13-14	143	138	144	127	128	132	142	135	139	136	140	137	137	134	136	140
14-15	146	134	141	130	130	134	142	138	141	140	136	139	138	136	138	139
15-16	152	134	143	136	139	139	143	141	146	141	132	138	140	140	142	139
16-17	161	144	145	146	144	145	149	144	151	147	137	145	146	146	147	147
17-18	164	149	153	155	152	149	150	147	156	157	143	152	152	150	155	152
18-19	170	157	158	162	164	155	155	153	166	166	149	163	160	157	163	160
19-20	172	166	165	174	174	165	160	160	200	169	152	178	170	165	177	167
20-21	173	170	165	184	175	169	164	166	199	183	155	184	174	168	183	170
21-22	171	165	164	194	174	173	176	175	186	186	162	192	176	174	182	172
22-23	172	164	166	191	174	173	178	181	196	175	163	191	177	176	182	172
23-24	171	166	162	178	172	172	174	173	181	169	163	181	172	173	172	170
Mean	156	149	152	142	149	142	142	136	140	145	136	149	145	142	145	148

PUBLICATIONS OF THE DOMINION OBSERVATORY

THREE-HOUR RANGE INDICES, AGINCOURT, 1962

Table 46

(K₃ = 600 γ)

January					February				
	D	H	Z	K	D	H	Z	K	
1	0401 0001	1200 0001	0200 0100	1401 0101	0000 0000	0000 0000	0000 0000	0000 0000	
2	2233 2100	1233 1100	0022 0100	2233 2100	1010 1101	2000 0011	0000 0000	2010 1111	
3	0001 0000	0000 1000	0000 0000	0001 1000	0110 2210	0010 0111	0000 1000	0110 2211	
4	0001 1000	0001 0000	0000 0000	0001 1000	0123 5322	1113 3333	0001 2222	1123 5333	
5	0001 1000	0000 0000	0000 0000	0001 1000	1200 2100	3200 1111	1100 0000	3200 2111	
6	0211 1000	0101 0000	0000 0100	0211 1100	0100 1012	1000 0023	0000 1011	1100 1023	
7	0000 1001	0000 1101	0000 0000	0000 1101	4244 2411	3333 2310	1333 1110	4344 2411	
8	1111 1100	1000 0100	0000 0100	1111 1100	0111 2100	0100 1000	0000 0000	0111 2100	
9	1201 3111	0100 1221	0100 0000	1201 3221	3011 2000	2011 0001	0000 0000	3011 2001	
10	3736 5335	4625 5433	1725 4333	4736 5435	1200 1000	1100 0000	0100 0000	1200 1000	
11	4421 2110	3222 1131	2110 0010	4422 2131	1102 2213	1101 1132	0000 1124	1102 2234	
12	1220 1001	0200 0001	0000 0000	1220 1001	6133 2223	6121 1132	6221 1121	6233 2233	
13	1211 2000	1201 1200	0110 0000	1211 2200	2313 3212	1311 1123	1211 1111	2313 3223	
14	0011 2313	0001 1333	0000 1113	0011 2333	3331 1113	1211 1122	3311 0011	3331 1123	
15	2231 1113	2121 1222	1111 1111	2231 1223	1311 1231	1300 1141	0200 0120	1311 1241	
16	3222 4203	1121 1111	0201 1100	3222 4213	1125 4445	1215 5443	0025 4332	1225 5445	
17	1210 1000	1200 0100	0100 0000	1210 1101	2243 1110	2132 1111	1243 1110	2243 1111	
18	0001 1100	0000 0100	0000 0110	0001 1110	0002 1120	0002 0131	0001 0111	0002 1131	
19	1131 2321	2121 2321	1020 1220	2131 2321	0003 2000	0110 0000	0010 1100	0113 2100	
20	0111 1100	0100 0110	0000 0000	0111 1110	0031 1000	0010 1001	0011 0100	0031 1101	
21	2132 3101	1111 2101	1011 1000	2132 3101	0021 3311	0010 2111	0010 1110	0021 3311	
22	0010 0000	0010 0000	0010 0000	0010 0000	1333 3200	3321 2210	2221 0100	3333 3210	
23	0000 0000	0000 0000	0000 0000	0000 0000	1303 3221	1201 2121	0201 0100	1303 3221	
24	0000 0000	0000 1100	0001 0000	0000 1100	0233 2111	0101 1121	0111 1111	0233 2121	
25	0112 1101	0111 0211	0000 1000	0112 1211	0120 2112	0210 1122	0000 1011	0220 2122	
26	0012 3210	2111 1122	0000 0110	2112 3222	1211 3432	0101 2323	0101 2221	1211 3433	
27	0323 2101	1113 1111	0212 1100	1323 2111	2113 4220	2222 3221	0003 2010	2223 4221	
28	0111 0000	0110 0000	0000 0000	0111 0000	0021 2100	0011 1000	0010 0000	0021 2100	
29	0111 2000	0100 0102	0100 0000	0111 2102					
30	1332 2210	1120 1000	0120 1000	1332 2210					
31	1000 0000	0000 0000	0000 0000	1000 0000					
March					April				
	D	H	Z	K	D	H	Z	K	
1	0032 2211	0021 2212	0021 1111	0032 2212	0245 2100	1242 1111	0134 1000	1245 2111	
2	1120 2121	2110 2112	0000 1101	2120 2122	0301 1113	0200 0124	0200 0113	2301 1124	
3	0010 3112	1000 3121	0000 1011	1010 3122	2231 2311	4221 2222	2330 0121	4331 2322	
4	2001 2110	2100 1111	2000 0000	2101 2111	2244 2211	2233 1213	1123 0101	2244 2213	
5	0034 4231	0012 5332	0012 3111	0034 5332	4301 1000	3100 1111	2100 0000	4301 1111	
6	1344 5321	2433 4332	1432 2210	2444 5332	0535 2233	1333 2254	0334 2144	1535 2254	
7	2341 2100	1121 2210	0120 1100	2341 2210	6665 4235	5665 4444	4655 3234	6665 4445	
8	0221 1000	0200 0000	0100 0000	0221 1000	5532 3223	4321 3433	4412 1422	5532 3433	
9	0000 1100	0000 0111	0000 0000	0000 1111	4131 2201	3111 2122	1120 0011	4131 2222	
10	2223 2202	3221 2132	1112 1012	3223 2223	0414 4325	1314 3433	0214 3234	1414 4435	
11	3313 2210	2422 1221	2421 0110	3423 2221	5443 3212	4332 2322	5333 2111	5443 3322	
12	2133 3323	1122 3323	0011 1111	2133 3323	4101 1102	3201 1222	3200 1113	4201 1223	
13	3112 1000	3111 1001	1000 0000	3112 1001	3110 0104	0100 0222	0000 0112	3110 0224	
14	0111 1110	0011 1111	0010 0010	0111 1111	3110 0000	1100 0101	1000 0100	3110 0101	
15	1321 1101	2321 1123	1300 0001	2321 1123	2000 0322	1000 0333	0000 1122	2000 1333	
16	0111 1100	0010 1011	0010 0000	0111 1111	2102 1111	3200 1222	1000 0011	3202 1222	
17	0121 2100	1100 1100	0110 0000	1121 2100	4412 2100	3311 1221	1300 1111	4412 2212	
18	0011 3100	0011 2111	0000 1110	0011 3111	0222 3311	0000 0032	0111 1122	0222 3332	
19	2132 3221	2121 3122	1010 1121	2132 3222	4331 1001	4120 0112	2120 1101	4331 1112	
20	0311 3322	1221 2233	0200 1012	1321 3333	2311 2320	2200 0321	1200 0120	2311 2321	
21	1232 3214	1231 3333	1130 1123	1232 3334	3312 1432	2121 1434	2110 0333	3322 1434	
22	0000 1101	0010 0113	0000 0101	0010 1113	4543 4423	3433 2332	4443 2312	4543 4433	
23	0002 3100	0001 1100	0001 1000	0002 3100	3443 2300	2322 2300	3342 1110	3443 2310	
24	3001 2110	3000 1111	1001 0100	3001 2111	0011 2100	0011 2231	0000 0000	0011 2231	
25	3432 2100	3331 2110	0220 1000	3432 2110	1044 3420	0022 2431	0022 1220	1044 3431	
26	3101 1100	2000 0011	1000 0000	3101 1111	1352 2210	1242 2122	0443 2110	1453 2222	
27	1011 1100	1110 1010	0010 0000	1111 1110	1231 1101	1221 2121	0330 0110	1331 2121	
28	0000 2202	0000 1221	0000 1111	0000 1222	1312 1211	2311 2123	1330 2112	2332 2223	
29	2231 1000	3110 1010	2120 0010	3231 1010	2111 2111	1010 2022	1000 1001	2111 2122	
30	1000 1000	1000 0111	0000 1100	1000 1111	3111 1101	1111 1222	0000 0012	3111 1222	
31	0010 1101	1120 0112	0010 0100	1120 1112					

THREE-HOUR RANGE INDICES, AGINCOURT, 1962

May					June											
	D	H	Z	K	D	H	Z	K								
1	4221	0023	3100	0123	1200	1112	4211	0123	3243	1111	3122	1122	3321	0012	3343	1122
2	1321	1211	1231	2213	0231	0112	1331	2213	2201	0112	2201	0112	2200	1111	2201	1112
3	3322	1010	2121	1111	3211	1000	3322	1111	0100	1201	0001	2233	0000	0021	0101	2233
4	2020	0000	1020	0000	1020	0000	2020	0000	3133	2223	3011	2233	3022	1222	3133	2233
5	0010	1001	0000	0124	0000	0112	0010	1124	1233	1214	1231	1134	1111	0223	1233	1234
6	1103	3323	1213	4344	0101	2332	1213	4344	3142	1111	4231	1122	2241	0111	4242	1122
7	4311	1101	3211	1122	3201	1011	4311	1122	1133	2210	1231	1120	0031	0001	1233	2221
8	2010	1102	2200	1122	1010	1012	2210	1122	0111	1001	0110	0111	0100	0100	0111	1111
9	1301	0000	1100	0110	1001	1000	1301	0110	2435	2134	3332	3244	1433	1132	3435	3244
10	2412	2310	2111	1211	1111	1101	2412	2311	4535	2101	2432	2211	3433	1100	4535	2211
11	0021	1322	0121	1222	0110	2211	0121	2322	0332	2111	1210	2112	0321	1101	1332	2112
12	0111	0001	1011	0111	0010	1001	1111	1111	3132	2110	2021	2221	1021	1010	3132	2221
13	1311	3223	1211	3243	0310	1022	1311	3243	1231	1000	1210	0111	0110	0011	1231	1111
14	3433	2113	2220	3233	3222	1121	3433	3233	0322	2111	0301	1123	0310	1011	0322	2123
15	4331	3220	2322	3331	3330	1121	4332	3331	4512	2210	3321	2221	1311	0120	4322	2221
16	1324	2012	1333	1022	0332	1111	1334	2122	3021	1011	3101	1131	1000	1110	3121	1131
17	0011	0011	0000	0121	0000	1111	0011	0121	0001	1100	1000	0011	0000	0100	1001	1111
18	1101	1100	0000	1000	0000	1100	1101	1100	1100	0000	1100	0010	0000	1010	1100	0010
19	1041	2311	1132	2321	0133	1111	1143	2321	1101	1100	0101	1112	0100	0111	1101	1112
20	0122	1300	2211	1211	0201	1101	2222	1311	1121	1000	1120	0112	1011	1100	1121	1112
21	1001	1001	1001	2001	0000	1001	1001	2001	1101	1331	1102	1243	0100	1022	1102	1343
22	1001	2000	1001	2112	0001	1100	1001	2112	2521	1111	3221	1232	1430	0111	3531	1232
23	0210	0000	0111	1110	0000	1010	0211	1110	2333	2241	2331	2343	1332	1132	2333	2343
24	0101	1000	1200	0110	0000	1100	1201	1110	2122	2212	2111	2132	1011	0011	2122	2232
25	0000	0000	0000	0011	0000	0001	0000	0011	2321	1110	1231	1122	0130	1010	2331	1122
26	0001	2001	0111	2113	0000	1112	0111	2113	0120	1112	1011	1134	0010	0012	1121	1134
27	1323	2312	2321	3433	0331	1123	2333	3433	3444	3232	2342	4354	2443	2122	3444	4354
28	1312	2222	1211	2223	0101	0232	1312	2233	3334	3223	2233	2234	3343	2123	3344	3234
29	2331	1000	1222	1021	0133	1110	2333	1121	3433	2212	3232	3333	3222	1111	3433	3333
30	0210	1000	0100	1111	0100	0101	0210	1111	2444	2201	2332	2222	1441	0120	2444	2222
31	0234	3313	0233	4333	0134	3323	0234	4333								
July																
	D	H	Z	K	D	H	Z	K	August							
1	1333	3211	2222	2222	0212	1110	2333	3222	5666	3324	5446	3324	4655	3123	5666	3324
2	1111	1121	2121	0123	0022	0121	2122	1123	1311	2111	2412	2212	0301	0111	2412	2212
3	2131	2211	2010	1232	1021	0120	2131	2232	1331	1112	2211	2123	1321	1012	2331	2123
4	2432	2222	2321	3233	1330	1132	2432	3233	1331	2200	0121	1111	0121	0011	1331	2211
5	2554	2212	2541	2232	3442	0021	3554	2232	3143	2111	1122	1121	1032	0111	3143	2121
6	4334	2121	3433	2122	2232	1111	4434	2122	2463	3321	2332	3334	1432	2222	2463	3334
7	1113	1123	1001	1234	0001	1222	1113	1234	3332	1333	4332	2344	3332	2232	4332	2344
8	1331	2121	2320	2233	0231	0123	2331	2233	5453	3322	4252	3334	4455	1113	5455	3334
9	2331	1001	2210	1122	0110	0100	2331	1122	5343	2112	3332	3233	3442	0111	5343	3233
10	1120	1211	2100	2222	1000	1110	2120	2222	3342	2101	2231	2102	1232	2101	3342	2102
11	1233	2221	2122	1233	1121	0111	2233	2233	2100	1000	1000	1000	0000	0000	2100	1000
12	0432	1211	1332	2212	0332	1111	1432	2212	0211	1000	0101	1112	0100	1000	0211	1112
13	3121	2222	2210	2233	2101	1222	3221	2233	0001	1001	0010	0023	0000	0102	0011	1123
14	3332	1212	2330	1222	2331	0221	3332	1222	1300	1111	2312	2134	1300	1022	2312	2134
15	3000	1110	2000	0122	1000	1110	3000	1122	2454	2212	2442	1233	1653	1124	2654	2234
16	2200	1000	2100	1000	2100	0000	2200	1000	6451	1114	4331	2245	5440	0033	6451	2245
17	0001	0001	0000	0001	0000	0001	0001	0001	5332	2224	3232	1434	4232	1124	5332	2434
18	1001	1111	0100	0122	0000	0010	1101	1122	3452	2211	3442	2223	1553	1211	3553	2223
19	0122	2112	1222	2233	0011	1121	1222	2233	5553	1103	3331	2222	2442	0001	5553	2223
20	2452	2210	2332	2223	2443	0111	2453	2223	2011	1000	2001	1101	0000	0000	2011	1101
21	2312	1223	3202	2234	1301	0022	3312	2234	1001	1102	1000	1124	0000	0013	1001	1124
22	2331	0002	3120	0112	1031	1112	3331	1112	5551	2224	4451	2243	6561	1133	6561	2244
23	1233	1021	1121	1121	0232	0121	1233	1121	4433	3211	3322	2333	4332	1211	4433	3333
24	2011	1342	2100	2244	0000	0232	2111	2344	3352	3212	3242	4323	3352	2112	3352	4323
25	4532	2000	3321	0112	5441	0011	5542	2112	5431	1113	4211	1123	3311	0102	5431	1123
26	1664	4224	3575	4334	1565	3223	3675	4334	2332	1110	1211	1122	1320	0120	2332	1122
27	5432	3321	5422	3334	4421	1222	5432	3334	3230	0000	1100	0010	1210	0000	3230	0010
28	5441	3202	4341	2422	4441	1222	5441	3422	2301	1000	1100	0000	0000	0000	2301	1000
29	4241	1110	3121	0221	3121	0011	4241	1221	1424	2112	0233	2133	0332	1013	1434	2133
30	3320	0000	2210	0011	2320	0001	3320	0011	3331	1211	2131	3122	1331	2010	3331	3222
31	0102	0143	0111	0144	0000	0133	0112	0144	5554	3000	4442	1021	4443	2000	5554	3021

PUBLICATIONS OF THE DOMINION OBSERVATORY

THREE-HOUR RANGE INDICES, AGINCOURT, 1962

September						October										
	D	H	Z	K		D	H	Z	K		D	H	Z	K		
1	3244	3322	2344	2243	2255	0122	3355	3343	4455	5344	2444	4444	2453	3354	4455	5454
2	5554	4232	2443	5344	0444	2132	5554	5344	5353	4211	4252	3311	3352	2200	5353	4311
3	4534	3235	3424	3345	3423	2145	4534	3345	1242	3101	0231	3112	0232	1100	1242	3112
4	4544	2233	3554	1423	2544	2212	4554	2433	2232	1011	1221	0112	1332	0000	2332	1112
5	1334	1211	0233	1113	0233	0001	1334	1213	0220	1231	0110	1233	0010	0143	0220	1243
6	3543	3121	2441	1122	1552	1122	3553	3122	5331	2201	3330	2002	3330	0000	5331	2202
7	4443	2100	2221	1121	3143	0010	4443	2121	1321	1023	1212	0034	0211	0012	1322	1034
8	3442	1001	3222	1011	0254	1001	3454	1011	6234	2223	5233	2333	6323	1222	6334	2333
9	2301	1123	1201	2023	0310	1012	2311	2123	6534	4225	5432	3222	5443	2112	6544	4225
10	2532	1000	2331	0011	2532	0000	2532	1011	5432	4222	3312	4322	3223	2210	5433	4322
11	1014	1000	2013	0023	0013	0002	2014	1023	3542	3112	2432	3232	2532	2112	3542	3232
12	1184	3244	2285	3455	1285	2264	2285	3465	3124	2000	3112	1100	1012	0100	3124	2100
13	3432	2341	2231	2332	3341	1231	3442	2342	0013	2113	0003	3223	0002	2113	0013	3223
14	3441	1102	3231	0122	0330	0001	3441	1122	4454	3233	2344	2233	3443	1122	4454	3233
15	3452	1012	2431	1122	0341	0011	3452	1122	2322	1101	2221	1212	1311	0001	2322	1212
16	1212	1112	1200	1122	0200	1111	1212	1122	1115	3111	1114	3132	0003	2011	1115	3132
17	1231	1100	1200	1112	0210	1011	1231	1112	4221	1000	3111	0011	2011	0000	4221	1011
18	0011	1001	0010	0022	0000	0111	0011	1122	4311	2101	3301	1221	2200	0111	4311	2221
19	1343	3345	2343	3345	0452	2144	2453	3345	0055	4312	0044	4332	0055	2121	0055	4332
20	5223	2000	4212	1110	4312	1010	5323	2110	1211	2212	1000	2234	0000	1022	1211	2234
21	1331	2201	1211	2232	0220	1111	1331	2232	4322	1211	3311	0311	3310	0110	4322	1311
22	3433	2231	3322	2232	4323	1221	4433	2232	3334	3213	1313	4234	1223	2223	3334	4234
23	3532	1001	3422	0112	3421	0001	3532	1112	6332	2111	3222	1123	3222	2011	6332	2123
24	2320	0010	1110	0021	0200	0010	2320	0021	3421	3224	2311	3333	0201	1222	3421	3334
25	0001	1112	0000	1222	0000	0011	0001	1222	4354	4334	3333	3434	3433	2233	4454	4434
26	4431	2311	4531	2432	4530	1321	4531	2432	4444	3343	3233	4343	3354	3243	4454	4343
27	4222	1100	2220	1112	2222	1000	4222	1112	4442	4314	3232	4323	2442	3212	4442	4324
28	3111	2223	2100	1212	2100	1102	3111	2223	4422	2123	3312	1222	2323	1121	4423	2223
29	1133	2224	1334	2125	0332	1124	1334	2225	3222	2102	3121	1113	0120	1110	3222	2113
30	4232	2121	4323	3101	3323	2011	4333	3121	2333	3212	2222	1222	0121	1111	2333	3222
31									2321	2002	1211	1122	0311	0100	2321	2122
November						December										
1	1203	1001	1101	0022	0001	0100	1203	1122	3302	1100	2101	0220	0000	0000	3302	1220
2	2202	3214	1200	2123	0100	1114	2202	3224	0111	0000	0100	0011	0000	0000	0111	0011
3	3112	2113	2012	2232	3021	0011	3122	2233	0100	1100	0200	0120	0000	0000	0200	1120
4	3332	1213	1222	1322	0221	0202	3332	1323	0135	4321	0323	3321	0123	2211	0335	4321
5	1131	1000	1121	1110	0141	1100	1141	1110	4001	2100	3010	1100	2000	0000	4011	2100
6	3222	3134	2421	2233	2411	1122	3422	3234	2110	0000	0000	0000	0000	0000	2110	0000
7	5413	2001	4302	2012	2311	1010	5413	2012	0100	1001	0000	0000	0000	0000	0100	1001
8	0111	2100	0010	2110	0000	0000	0111	2110	0023	1001	0001	0101	0011	0000	0023	1101
9	2000	0002	1000	0002	0000	0100	2000	0102	2411	1000	1200	0001	1200	0000	2411	1001
10	2100	0000	2100	0011	0000	0000	2100	0011	0000	1014	1110	0003	0000	0002	1110	1014
11	0342	2111	0222	2211	0232	1100	0342	2211	3433	3244	2422	2234	0320	1143	3433	3244
12	3000	0000	1000	0101	0000	0000	3000	0101	1300	0123	2100	0133	1100	0012	2300	0133
13	0000	0100	0000	0010	0000	0000	0000	0110	5222	3022	4222	2223	3111	1011	5222	3223
14	0100	1030	0000	0130	0000	0120	0100	1130	2412	2112	1312	1222	0202	1110	2412	2222
15	0223	6134	0333	4243	0332	4223	0333	6244	3442	1011	2320	1011	2320	0000	3442	1011
16	5443	3222	4332	3322	5332	2211	5443	3322	1011	1100	0000	0101	0000	0100	1011	1101
17	4311	2200	3200	1100	2100	0000	4311	2200	0133	2545	1001	1535	0011	1435	1133	2545
18	0000	0000	0000	0001	0000	0000	0000	0001	6423	4243	5322	4233	6321	2354	6423	4354
19	0000	1011	0000	0021	0000	0000	0000	1021	4444	3434	4452	2443	3552	3321	4554	3444
20	0120	1000	0010	0101	0000	0000	0120	1101	4544	3334	3532	4444	3444	1213	4544	4444
21	0243	3133	2132	2233	0043	2222	2243	3233	4333	2332	3332	2333	1331	2221	4333	2333
22	4555	4224	3443	3234	2543	2222	4555	4234	2222	1222	1112	2212	0011	0100	2222	2222
23	3432	3212	3423	2223	3322	1111	3433	3223	1201	0000	1100	0000	0000	0000	1201	0000
24	2334	3212	2233	2222	0123	2111	2334	3222	0011	2100	0000	1100	0000	0000	0011	2100
25	2334	3211	2333	3222	1232	1110	2334	3222	2100	0000	1100	0000	0000	0000	2100	0000
26	3101	1100	2100	1110	0000	0000	3101	1110	0123	4314	0122	4323	0012	2111	0123	4324
27	1132	1121	1111	1222	0010	0100	1132	1222	1000	1101	0000	1112	0000	0000	1000	1112
28	1322	2100	1211	1100	0120	0000	1322	2100	0000	1101	0000	1200	0000	0000	0000	1201
29	2012	2110	0011	1221	0002	0010	2012	2221	0110	1000	0200	0100	0100	0000	0210	1100
30	4555	4112	4544	2112	3643	1001	4655	4112	0001	0002	0000	0002	0000	0000	0001	0002
31									1013	3211	1003	2210	0003	1000	1013	3211



CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
Dominion Observatories

PUBLICATIONS
of the
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SUMMARY OF OBSERVATIONS AT
RESOLUTE BAY MAGNETIC OBSERVATORY
1960 - 1962

E. I. Loomer

Price 25 cents

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RESOLUTE BAY MAGNETIC OBSERVATORY

Geographic Latitude 74.7° North
Geographic Longitude 94.9° West

Geomagnetic Latitude 83.1° North
Geomagnetic Longitude 287.7° East

1960-1962

Introduction

The Resolute Bay magnetic observatory was established in the summer of 1948 at Resolute, Cornwallis Island, Northwest Territories, by the Division of Geomagnetism of the Dominion Observatory. Information on the site and buildings may be found in the publication containing the record of observations to the end of 1958 (Loomer, 1961).

The Magnetic Reductions

The magnetic equipment and the techniques used in data reduction are discussed in detail in the two preceding publications of Resolute Bay magnetic observatory (Loomer 1961; Loomer, 1963). No changes have been made in the station equipment during 1960-62. A summary of the equipment in operation during this period is provided below.

The Photographic Variometers

A set of three-component photographic Ruska variometers is aligned to record the geographic components X, Y and Z of the earth's magnetic field.

The time scale of the Ruska magnetograms is 20 mm/hour. Time marks at the hour and quarter hour are supplied from an IBM clock, accurate to within a few seconds. Parallax corrections to be applied to times measured on the magnetograms, are +2 mins. for X and +1½ mins. for Y. No correction is required for Z.

Scale values adopted for the Ruska variometers for the period 1960 to 1962 were:

- X: 5.38 gammas/mm from January 1, 1960 to July 31, 1962; thereafter
5.44 gammas/mm.
- Y: 4.30 gammas/mm from January 1, 1960 to December 31, 1961; thereafter
4.35 gammas/mm.
- Z: 4.76 gammas/mm from January 1, 1960 to December 31, 1961;
4.65 gammas/mm for January 1962;
4.60 gammas/mm for February, March, April, 1962;
4.54 gammas/mm for May, 1962;
4.43 gammas/mm from June 1, 1962 to December 31, 1962.

Thermostatically controlled electric heaters maintain the temperature in the variometer room constant to

within approximately 2 degrees, except for brief periods of high wind velocity or power failure. The temperature coefficients determined in 1961 were +1 gammas/°C in X and +3 gammas/°C in Y, compared with values for X and Y of -0.5 and +1.5 observed in 1953. The Z temperature coefficient was less than 1 gamma/°C. The resulting temperature effects were generally small compared with the uncertainties in the determination of base-line and scale values, and were therefore disregarded in base-line calculations and mean hourly value measurements.

The Stand-by Variometers and Storm Recorder

A three-component electrical magnetometer with an inked output records X, Y and Z. Chart speed is 20 mm/hour. Full-scale sensitivity is 1000 gammas or 2000 gammas to January 1961 and 2000 gammas or 4000 gammas thereafter.

Absolute Instruments

A proton precession magnetometer is the primary standard of total intensity (F). A portable three-component electrical magnetometer of the saturable core type is used for the determination of declination (D) and inclination (I).

Base-line Values

Base-line values were adopted by fitting the best straight lines to the observed values between known discontinuities. The r.m.s. value of the observed minus adopted base-line values for X was 5 gammas for 29 observations; for Y, 5 gammas for 29 observations; for Z, 5 gammas for 21 observations. The scatter in any one set of base-line determinations (each a mean of six) was of the order of a few gammas.

The Magnetic Reductions

This report presents a summary only of the observations obtained at Resolute Bay magnetic observatory for the years 1960, 1961, and 1962. Should there be a requirement for more detailed data, copies of magnetograms and mean hourly values for specific days should be requested from the Division of Geomagnetism, Dominion Observatory, Ottawa, Canada.

A summary by month, season and year of the mean hourly values of X, Y and Z for all days and for the

international quiet and disturbed days is given for 1960 in Tables 1-9; for 1961 in Tables 10-18; for 1962 in Tables 19-27.

Hourly ranges in gammas for Y, the principal horizontal magnetic field component recorded at Resolute Bay, are given for each hour for the years 1960, 1961 and 1962 in Tables 28-63.

The mean hourly values and hourly ranges were scaled from the magnetograms to the nearest half millimetre only. In the period 1954.5 to 1962.5, X increased on the average by 23 gammas/year. Since 1957.5 the rate of change of Y has increased from +4 gammas/year to +15 gammas/year. After decreasing from 1957.5 to 1959.5, the vertical intensity is increasing again at a rate of about 25 gammas/year.

Summary of Annual Mean Values

Year	X	Y	Z	D(East)	I
1954.5	-86	-920	57981	264 39.6	89 05.5
1955.5	-59	-911	58009	266 17.7	89 06.0
1956.5	-31	-909	58030	268 02.8	89 06.2
1957.5	-14	-908	58075	269 07.0	89 06.3
1958.5	19	-889	58045	271 13.4	89 07.3
1959.5	42	-866	58042	272 46.6	89 08.7
1960.5	64	-855	58062	274 16.8	89 09.3
1961.5	82	-849	58086	275 31.0	89 09.5
1962.5	95	-832	58113	276 30.8	89 10.5

References

- LOOMER, E. I., 1961, Record of observations at Resolute Bay magnetic observatory 1957-1958. *Dom. Obs. Pub.* v. XXVI no. 2.
- LOOMER, E. I., 1963, Record of observations at Resolute Bay magnetic observatory for 1959. *Dom. Obs. Pub.* v. XXVII no. 7.

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days)

Table 1 Resolute Bay

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	20	31	30	24	65	16	13	22	8	20	3	36	24	29	20	22
1-2	22	38	42	32	67	22	33	40	35	33	26	43	36	40	36	32
2-3	28	43	51	62	78	51	62	67	60	52	43	58	55	64	56	43
3-4	39	52	63	103	92	89	88	92	83	70	52	67	74	90	80	52
4-5	50	60	74	123	113	112	116	103	92	85	78	87	91	111	94	69
5-6	59	64	83	132	125	147	140	122	105	105	87	103	106	134	106	78
6-7	60	75	92	143	136	157	146	130	125	123	99	107	116	142	121	85
7-8	73	83	99	142	145	158	165	141	141	138	126	121	128	152	130	101
8-9	83	80	110	135	162	165	168	160	153	131	131	123	133	164	132	104
9-10	76	79	105	132	170	167	181	161	140	143	128	125	134	170	130	102
10-11	67	77	92	129	166	174	186	157	134	139	124	120	130	171	124	97
11-12	57	65	83	124	164	177	193	159	121	131	111	107	124	173	115	85
12-13	47	47	72	116	168	171	187	162	113	104	99	95	115	172	101	72
13-14	31	40	51	93	145	156	174	147	107	88	83	70	99	156	85	56
14-15	19	31	44	82	129	133	152	141	96	55	62	51	83	139	69	41
15-16	11	19	38	59	102	105	118	114	62	41	41	29	62	110	50	25
16-17	-5	4	22	17	63	76	63	94	58	9	27	7	36	74	26	8
17-18	-17	-2	7	-16	26	53	10	63	31	-25	9	1	12	38	-1	-2
18-19	-7	-13	-11	-39	4	13	-14	12	8	-40	3	-5	-7	4	-20	-6
19-20	-6	-5	-6	-37	-16	26	-20	0	3	-20	1	-4	-7	-2	-15	-4
20-21	-5	-2	-1	-25	-29	46	-37	-2	3	-25	2	-3	-6	-6	-12	-2
21-22	-7	4	20	-18	-15	-12	-19	-1	-5	-25	-11	6	-7	-12	-7	-2
22-23	5	14	21	-7	10	-22	-07	10	-7	-28	-10	21	0	-2	-5	8
23-24	15	20	22	-2	41	20	-03	17	0	-6	-3	35	13	19	4	17
Mean	30	38	50	63	88	92	87	88	69	54	55	58	64	89	59	45

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: March 31
 April 30
 May 8
 November 12, 13

MEAN VALUES OF MAGNETIC ELEMENTS
 NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 2 Resolute Bay

1960

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	36	34	38	47	98	85	53	47	32	48	38	60	51	71	41	42
1-2	36	38	51	55	85	82	68	62	41	57	41	63	57	74	51	44
2-3	37	42	52	73	74	76	74	71	51	61	42	68	60	74	59	47
3-4	43	49	55	78	75	109	76	79	62	63	50	67	67	85	64	52
4-5	45	56	65	89	100	108	89	84	71	63	64	72	76	95	72	59
5-6	54	62	72	94	103	110	105	102	77	64	72	74	82	105	77	66
6-7	51	64	70	95	114	126	93	101	86	70	80	88	86	108	80	71
7-8	56	71	70	99	109	125	113	117	82	73	91	96	92	116	81	78
8-9	55	64	70	104	126	123	124	123	78	78	102	106	96	124	82	82
9-10	52	57	68	97	129	127	136	132	75	77	95	103	96	131	79	77
10-11	50	52	65	91	126	121	132	135	80	77	95	91	93	128	78	72
11-12	50	48	64	83	123	129	112	139	75	72	74	87	88	126	74	65
12-13	45	39	60	89	113	143	94	126	69	56	66	83	82	119	68	58
13-14	39	34	52	90	130	147	95	106	60	53	67	68	78	120	64	52
14-15	31	33	47	80	125	159	90	97	61	51	51	62	74	118	60	44
15-16	23	23	37	62	64	111	64	94	57	46	46	46	56	83	50	34
16-17	12	20	21	26	108	73	38	67	41	24	38	44	43	72	28	28
17-18	11	8	21	17	81	96	-5	54	12	10	33	39	31	56	15	23
18-19	10	14	12	36	48	45	-17	25	6	10	37	32	22	25	16	23
19-20	14	25	21	31	85	108	16	0	10	21	49	32	34	52	21	30
20-21	20	34	31	76	68	104	35	15	17	29	56	19	42	56	38	32
21-22	27	41	36	101	38	83	50	29	33	33	52	22	45	50	51	36
22-23	34	42	36	78	57	77	22	48	40	27	57	37	46	51	45	42
23-24	38	46	43	70	113	79	35	47	32	36	55	50	54	68	45	47
Mean	36	42	48	73	96	106	70	79	52	50	60	63	65	88	56	50

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 3 Resolute Bay

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	8	25	-24	-14	52	12	4	-54	-42	1	-192	40	-15	4	-20	-30
1-2	-30	43	-14	-8	46	-11	37	-22	12	7	-86	40	1	12	-1	-8
2-3	-13	55	-1	74	64	36	35	42	61	56	-32	50	36	44	48	15
3-4	27	66	26	193	76	65	100	101	109	99	-9	54	76	86	107	34
4-5	44	81	53	198	85	110	131	132	142	107	67	99	104	114	125	73
5-6	55	88	76	174	99	138	173	165	163	143	49	131	121	144	139	81
6-7	83	115	72	188	134	126	211	154	211	173	53	140	138	156	161	98
7-8	99	114	81	179	116	134	242	174	210	183	153	170	155	166	163	134
8-9	113	96	86	157	136	138	232	212	238	183	124	165	157	180	166	124
9-10	101	94	73	160	187	155	265	183	187	231	131	166	161	198	163	123
10-11	91	91	47	214	204	178	247	140	197	199	129	155	158	192	164	116
11-12	64	85	35	207	155	197	239	166	212	179	130	137	150	189	158	104
12-13	29	42	30	233	180	197	246	167	189	133	117	102	139	198	146	72
13-14	-5	37	19	208	138	155	172	156	188	110	152	68	117	156	131	63
14-15	-21	0	-18	122	132	94	183	172	151	69	124	44	88	145	81	37
15-16	-17	-2	-12	20	145	76	139	192	45	50	63	-5	58	138	26	10
16-17	-62	-18	2	-19	105	58	91	154	91	-14	63	-54	33	102	15	-18
17-18	-56	-2	-45	-53	56	29	45	91	61	-68	14	-42	2	55	-26	-22
18-19	-46	-31	-69	-121	-40	-55	-49	-13	-46	-68	-18	-41	-50	-39	-76	-34
19-20	-51	-17	-56	-147	-109	-48	-87	-60	-58	-60	-95	-40	-69	-76	-80	-51
20-21	-67	-28	-51	-95	-126	-69	-114	-127	-67	-89	-74	-31	-78	-109	-76	-50
21-22	-57	-21	-48	-53	-136	-65	-97	-92	-70	-90	-130	-48	-76	-98	-65	-64
22-23	-36	-15	-28	-63	-88	-85	-129	-62	-46	-59	-165	-45	-68	-91	-49	-65
23-24	-21	-7	-16	-17	40	-11	-66	-24	-17	-24	-167	5	-27	-15	-18	-48
Mean	10	37	9	71	69	65	94	81	88	60	17	52	55	77	58	29

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: March 31
 April 30
 May 8
 November 13

MEAN VALUES OF MAGNETIC ELEMENTS
WEST COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days)

Table 4 Resolute Bay

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	887	888	891	927	908	912	914	939	941	943	943	906	917	918	926	906
1-2	896	890	895	954	925	943	923	938	945	958	943	909	927	932	938	910
2-3	904	896	898	949	922	968	942	946	949	959	940	908	932	944	939	912
3-4	906	896	902	950	914	975	934	955	947	956	950	924	934	944	939	919
4-5	902	898	898	951	914	963	929	953	941	949	967	930	933	940	935	924
5-6	895	894	897	934	915	941	934	950	938	939	956	927	927	935	927	918
6-7	889	894	892	883	908	935	915	923	929	932	961	915	915	920	909	915
7-8	882	887	879	891	884	921	896	899	915	915	945	903	901	900	900	904
8-9	867	871	866	862	870	900	876	887	895	882	909	883	881	883	876	882
9-10	850	854	843	834	854	874	863	860	873	859	876	855	858	863	852	859
10-11	833	839	827	823	832	850	846	851	848	830	853	836	839	845	832	840
11-12	815	818	814	805	807	827	825	825	830	807	833	817	819	821	815	821
12-13	815	813	802	788	785	803	804	817	816	796	821	799	805	802	800	812
13-14	813	809	790	764	761	772	779	791	804	780	786	791	787	776	784	800
14-15	807	799	784	752	742	744	749	778	791	756	776	785	772	753	771	792
15-16	805	791	779	733	725	724	737	763	793	745	779	784	763	737	762	790
16-17	809	798	767	732	699	712	744	737	787	760	813	785	762	723	762	801
17-18	815	803	786	717	742	680	723	733	793	781	832	819	769	720	769	817
18-19	839	824	798	750	762	686	733	743	804	821	817	834	784	731	793	828
19-20	855	841	832	827	764	774	763	777	818	853	862	854	818	770	832	853
20-21	863	856	855	848	796	809	777	836	848	886	898	871	845	804	859	872
21-22	867	866	864	864	833	816	825	861	872	899	923	885	865	834	875	885
22-23	872	873	869	871	864	844	862	882	890	922	913	893	880	863	888	888
23-24	876	884	878	892	888	872	883	904	920	938	927	895	896	887	907	896
Mean	857	853	846	847	834	844	841	856	870	869	884	863	855	844	858	864

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: March 31
April 1, 30
May 8
July 16, 17

MEAN VALUES OF MAGNETIC ELEMENTS

WEST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 5 Resolute Bay

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	879	876	884	882	880	883	868	910	901	896	905	888	888	885	891	887
1-2	883	880	882	892	880	890	872	925	898	891	906	887	890	892	891	889
2-3	879	882	875	903	880	910	888	918	903	890	917	885	894	899	893	891
3-4	879	880	876	902	876	891	894	916	903	892	923	886	893	894	893	892
4-5	879	886	879	900	889	880	890	906	902	896	916	881	892	891	894	890
5-6	886	894	883	881	893	868	887	903	903	895	919	885	891	888	890	896
6-7	882	888	877	874	882	880	875	890	902	892	915	891	887	882	886	894
7-8	876	879	867	865	868	869	867	889	891	889	912	893	880	873	878	890
8-9	872	861	858	846	854	853	860	885	877	885	901	879	869	863	866	878
9-10	862	851	849	823	836	830	848	867	870	876	890	879	856	845	854	868
10-11	852	847	840	827	825	831	824	860	864	871	878	856	848	835	850	858
11-12	848	838	836	821	810	811	800	840	856	864	866	855	837	815	844	852
12-13	839	835	820	810	782	809	798	832	849	861	863	838	828	805	835	844
13-14	837	831	799	794	787	794	789	824	842	857	854	831	820	798	823	838
14-15	835	826	799	791	762	782	786	826	835	856	865	829	816	789	820	839
15-16	830	824	794	785	735	744	788	821	830	856	862	830	808	772	816	836
16-17	826	826	799	787	742	735	786	820	839	861	868	842	811	771	822	840
17-18	832	852	809	783	802	732	777	819	855	886	882	843	823	782	833	852
18-19	850	864	832	810	829	740	823	812	861	890	892	850	837	799	848	864
19-20	863	871	843	879	826	797	877	816	872	903	904	864	860	829	874	876
20-21	869	879	870	916	835	848	836	842	875	891	899	870	869	840	888	879
21-22	873	870	876	910	843	853	848	872	877	878	899	878	873	854	885	880
22-23	874	872	878	881	844	842	855	876	884	880	899	888	873	854	881	883
23-24	872	875	894	882	863	854	879	888	885	887	899	893	881	871	887	885
Mean	862	862	851	851	834	830	842	865	874	881	893	867	859	843	864	871

PUBLICATIONS OF THE DOMINION OBSERVATORY

MEAN VALUES OF MAGNETIC ELEMENTS

WEST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 6 Resolute Bay

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	897	911	911	1004	1019	936	908	989	993	988	1101	915	964	963	974	956
1-2	931	905	922	1062	1054	965	906	1008	994	1031	1090	924	983	983	1002	962
2-3	946	936	944	1034	1010	1041	946	1010	1003	1034	1037	937	990	1002	1004	964
3-4	939	938	958	1094	947	1086	924	1016	1011	1057	1048	1018	1003	993	1030	986
4-5	910	923	950	1075	928	1042	930	1011	1005	1048	1119	985	994	978	1020	984
5-6	884	907	956	1006	932	987	964	1034	1003	990	1045	943	971	979	989	945
6-7	897	903	925	1016	929	970	943	953	973	987	1132	930	963	949	975	966
7-8	894	902	884	977	880	978	884	886	933	956	1129	921	935	907	938	962
8-9	850	877	857	893	871	933	882	864	912	876	1028	901	895	888	884	914
9-10	814	852	833	845	852	870	893	848	876	847	927	855	859	866	850	862
10-11	795	814	830	830	822	816	859	835	830	822	882	831	830	833	828	831
11-12	758	792	787	806	776	788	819	819	798	752	868	787	796	800	786	801
12-13	751	794	766	776	738	768	806	781	741	729	855	719	769	773	753	780
13-14	779	783	770	724	712	756	766	764	713	695	662	699	735	750	726	731
14-15	769	754	764	718	724	736	723	744	700	645	597	720	716	732	707	710
15-16	784	746	786	690	680	708	675	702	717	629	606	718	703	691	706	714
16-17	777	783	763	706	636	681	683	664	726	646	746	730	712	666	710	759
17-18	791	783	759	670	643	614	581	621	725	700	860	778	710	615	714	803
18-19	801	795	741	662	598	703	664	635	687	758	699	816	713	650	712	778
19-20	829	828	795	894	625	793	733	677	730	826	803	845	782	707	811	826
20-21	853	838	826	914	680	769	698	784	772	891	845	865	811	733	851	850
21-22	870	850	830	906	851	744	770	851	874	923	940	893	859	807	883	888
22-23	876	871	865	880	910	848	838	889	889	971	962	914	893	871	901	906
23-24	890	887	882	862	945	884	899	949	940	1024	984	909	921	919	927	918
Mean	845	849	846	877	823	851	821	847	856	868	915	856	854	836	862	866

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: March 31
 April 1, 30
 May 8
 July 16

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (All Days)

Table 7 Resolute Bay

57,500 γ +

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	564	556	544	550	509	515	502	498	540	589	603	616	549	506	556	585
1-2	560	556	548	547	522	504	510	511	550	595	608	618	552	512	560	585
2-3	564	559	552	559	525	509	511	517	561	604	609	619	558	516	569	588
3-4	564	562	553	566	535	523	519	529	568	613	613	629	564	526	575	591
4-5	567	563	556	570	542	532	529	540	575	614	618	634	570	536	579	596
5-6	569	565	560	578	549	542	531	547	580	616	638	638	576	542	584	602
6-7	573	573	566	590	559	546	540	556	585	631	647	648	584	550	593	610
7-8	578	577	569	592	552	548	549	561	590	638	645	649	587	552	597	612
8-9	585	573	572	592	554	556	550	562	600	634	656	649	590	556	600	616
9-10	586	576	579	587	549	558	547	561	595	642	653	654	591	554	601	617
10-11	586	577	577	580	548	555	539	552	592	650	652	659	589	548	600	610
11-12	592	577	573	574	547	550	541	548	584	650	649	657	587	546	595	619
12-13	593	582	568	571	536	550	547	537	572	645	644	661	584	542	589	620
13-14	586	576	557	569	513	548	548	529	566	627	645	665	577	534	580	617
14-15	584	568	541	555	516	523	527	528	556	614	641	655	567	524	566	612
15-16	575	560	530	552	531	517	510	508	552	599	624	643	558	516	558	600
16-17	568	549	510	548	527	492	526	504	553	589	613	639	551	512	550	592
17-18	563	546	507	527	494	492	525	478	557	575	606	631	542	497	542	586
18-19	562	545	506	506	506	468	500	482	537	567	600	618	533	489	529	581
19-20	557	548	504	487	502	430	478	469	539	567	590	620	524	470	524	580
20-21	556	550	521	492	519	425	484	479	529	573	591	613	528	477	529	578
21-22	557	554	528	510	553	463	476	493	520	572	593	615	536	496	532	580
22-23	560	558	539	529	519	457	488	501	530	571	593	617	538	491	542	582
23-24	563	554	538	546	518	468	505	490	530	579	599	615	542	495	548	583
Mean	571	563	546	553	530	511	520	520	561	606	622	636	562	520	567	598

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: March 31
 April 1, 30
 May 1, 28
 June 4
 November 7, 12, 13

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 8 Resolute Bay

57,500 γ +

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	558	555	536	548	490	485	540	535	562	590	603	608	551	512	559	581
1-2	557	555	541	549	512	488	544	518	564	587	602	611	552	516	560	581
2-3	558	556	547	548	518	490	540	527	567	588	599	612	554	519	562	581
3-4	559	556	549	559	524	517	537	534	569	588	598	612	558	528	566	581
4-5	559	558	549	565	533	521	540	539	572	588	598	610	561	533	568	581
5-6	564	563	552	568	530	530	537	540	576	592	596	612	563	534	572	584
6-7	566	567	555	574	548	529	546	546	580	594	600	620	569	542	576	588
7-8	567	569	558	572	551	531	548	548	578	594	603	626	570	544	576	591
8-9	565	567	558	570	543	536	547	545	576	593	610	631	570	543	574	593
9-10	564	567	557	569	533	528	551	548	574	596	608	633	569	540	574	593
10-11	564	565	555	551	523	528	544	546	572	598	608	631	565	535	569	592
11-12	567	562	553	547	506	518	539	548	569	598	608	631	562	528	567	592
12-13	568	565	546	545	496	498	536	533	567	595	610	631	558	516	563	594
13-14	567	559	529	518	481	492	522	524	567	593	597	635	549	505	552	590
14-15	565	551	514	504	450	478	494	531	568	594	596	634	540	488	545	586
15-16	558	540	509	493	409	486	488	555	589	590	591	615	535	484	545	576
16-17	558	522	483	501	354	470	473	560	613	598	595	607	528	464	549	570
17-18	552	510	469	477	301	459	446	549	623	590	577	600	513	439	540	560
18-19	545	524	474	419	352	451	436	595	604	607	574	591	514	458	526	558
19-20	546	539	478	436	393	365	473	601	595	630	586	593	520	458	535	566
20-21	548	541	478	497	415	403	477	567	584	643	585	594	528	466	550	567
21-22	550	548	491	536	453	498	461	565	580	629	585	602	541	494	559	571
22-23	552	557	502	546	429	482	490	547	582	619	586	607	542	487	562	576
23-24	553	554	514	533	436	446	510	520	579	605	590	602	537	478	558	575
Mean	559	552	525	530	470	489	513	547	580	600	596	614	548	505	559	580

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: November 7

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (Disturbed Days)

Table 9 Resolute Bay 57,500 γ + 1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	572	564	552	530	541	634	534	491	506	598	634	625	565	550	546	599
1-2	550	559	555	529	526	576	529	526	534	599	658	620	563	539	554	597
2-3	576	561	560	557	527	555	521	531	552	618	648	622	569	534	572	602
3-4	577	569	564	563	542	562	524	552	567	658	658	659	583	545	588	616
4-5	574	575	567	579	548	551	516	557	577	659	622	663	583	543	596	609
5-6	570	577	581	597	572	566	517	571	586	655	687	653	595	556	605	622
6-7	571	591	590	605	571	570	527	586	601	681	742	665	608	564	619	642
7-8	578	616	597	615	547	567	546	587	611	691	715	675	612	562	628	646
8-9	602	591	598	611	553	592	548	595	630	682	772	681	621	572	630	662
9-10	611	592	615	605	537	616	545	591	616	722	750	672	623	572	640	656
10-11	610	598	600	604	529	604	548	574	609	717	709	682	615	564	632	650
11-12	616	599	603	601	564	588	550	563	582	701	680	682	611	566	622	644
12-13	626	595	603	605	557	595	569	558	575	684	696	704	614	570	617	655
13-14	613	586	586	624	508	561	564	536	578	668	756	727	609	542	614	670
14-15	603	574	560	631	558	517	543	531	536	657	776	710	600	537	596	666
15-16	584	557	549	634	619	516	496	513	491	643	703	689	583	536	579	633
16-17	575	546	545	661	644	546	536	491	466	620	687	682	583	554	573	622
17-18	579	554	563	645	656	628	561	465	491	602	700	674	593	578	575	627
18-19	575	556	567	728	586	582	530	492	465	568	673	655	582	548	582	615
19-20	569	568	541	611	529	361	508	509	464	547	619	646	539	477	541	600
20-21	574	562	547	526	557	400	495	513	454	547	607	636	535	491	518	595
21-22	576	561	552	521	735	538	534	487	459	560	625	629	565	574	523	598
22-23	580	563	564	567	633	586	634	468	526	575	610	629	578	580	558	596
23-24	580	558	551	585	681	544	569	441	507	595	628	637	573	559	560	601
Mean	585	574	571	597	576	556	539	530	541	635	681	663	588	550	586	626

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: March 31
 April 1, 30
 May 1
 June 4
 November 13

MEAN VALUES OF MAGNETIC ELEMENTS
 NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days)

Table 10 Resolute Bay

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	45	47	43	36	0	25	51	73	73	57	69	67	49	37	52	57
1-2	51	117	51	47	14	33	67	84	78	73	71	71	63	49	62	78
2-3	58	60	63	59	36	55	86	97	88	82	77	74	70	68	73	67
3-4	63	69	70	80	59	67	114	110	102	93	86	79	83	88	86	74
4-5	71	77	81	88	73	86	133	125	112	101	88	84	93	104	95	80
5-6	80	85	93	101	90	106	157	135	125	111	101	89	106	122	107	89
6-7	92	93	101	109	101	117	177	149	137	121	105	91	116	136	117	95
7-8	104	104	113	114	115	137	182	151	144	122	117	99	125	146	123	106
8-9	107	110	123	123	124	147	194	157	144	126	123	105	132	155	129	111
9-10	108	119	116	125	126	161	204	160	148	130	121	111	136	163	130	115
10-11	102	112	109	128	126	169	227	167	147	117	117	106	136	172	125	110
11-12	100	110	104	127	132	176	217	168	148	113	108	102	134	173	123	105
12-13	88	92	92	117	122	165	227	167	130	106	94	94	125	170	111	92
13-14	76	78	89	111	118	160	200	157	124	87	85	77	114	159	103	79
14-15	61	76	72	91	94	146	196	134	105	80	74	71	100	142	87	71
15-16	51	55	53	87	53	125	150	118	93	69	69	55	82	112	76	58
16-17	29	33	42	55	36	93	87	94	74	55	59	39	58	77	56	40
17-18	22	21	37	45	24	57	89	66	58	44	55	37	46	59	46	34
18-19	16	16	25	25	-4	23	62	54	47	39	48	37	32	34	34	29
19-20	22	18	28	17	11	38	31	43	47	36	45	40	31	31	32	31
20-21	31	18	43	12	8	26	4	55	50	35	48	43	31	23	35	35
21-22	38	24	47	7	12	22	0	58	32	46	55	46	32	23	33	41
22-23	33	28	47	18	-8	9	25	61	45	51	64	51	35	22	40	44
23-24	43	35	47	23	-1	21	40	69	54	62	66	63	44	32	46	52
Mean	62	67	70	73	61	90	122	110	96	82	81	72	82	96	78	71

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: June 2

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 11 Resolute Bay

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	66	59	42	44	28	68	68	73	92	84	80	75	65	59	65	70
1-2	62	62	48	52	34	66	91	84	89	85	79	75	69	68	68	70
2-3	62	64	65	56	41	72	78	93	90	84	82	75	72	70	74	71
3-4	63	66	71	69	48	80	96	100	94	88	84	75	78	81	80	72
4-5	67	69	70	70	61	86	124	107	93	89	85	76	83	94	80	74
5-6	71	72	72	83	72	92	136	108	98	92	86	77	88	102	86	76
6-7	74	71	74	96	76	101	160	118	100	93	90	80	94	114	91	79
7-8	78	76	80	106	83	103	174	121	107	94	94	88	100	120	97	84
8-9	82	76	79	108	98	119	168	127	110	96	94	89	104	128	98	85
9-10	84	77	78	115	112	132	177	132	113	97	94	89	108	138	101	86
10-11	86	76	78	115	113	143	176	133	114	93	95	87	109	141	100	86
11-12	87	76	76	114	102	159	168	146	114	91	92	87	109	143	99	86
12-13	81	74	82	104	97	149	177	143	109	88	86	80	106	142	95	80
13-14	72	69	75	104	98	135	152	131	108	88	83	77	99	129	94	75
14-15	64	74	70	87	72	127	122	108	92	84	81	75	88	107	83	74
15-16	58	68	48	80	47	135	97	94	65	76	+80	74	77	93	67	70
16-17	56	58	54	47	65	106	94	69	60	66	72	67	68	84	57	63
17-18	51	50	34	63	83	100	108	48	69	62	71	59	66	84	57	58
18-19	50	44	33	54	33	106	103	60	78	65	69	57	63	76	57	55
19-20	50	49	31	50	41	123	65	62	64	71	71	60	61	72	54	58
20-21	49	59	42	55	9	122	62	63	81	71	74	66	63	63	65	62
21-22	54	60	39	64	19	124	82	69	86	79	77	69	68	73	67	65
22-23	58	58	39	46	-6	98	68	56	89	82	76	72	61	53	64	66
23-24	63	64	39	42	-6	91	62	68	88	82	75	76	62	53	63	70
Mean	66	65	59	76	59	110	117	96	92	83	82	75	82	95	78	72

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 12 Resolute Bay

1961

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	17	43	34	6	2	-86	27	26	66	13	45	51	20	-10	30	42
1-2	38	21	40	33	9	-5	87	39	72	69	46	45	42	31	54	40
2-3	49	58	62	63	54	25	119	94	101	95	61	62	67	64	79	58
3-4	71	76	60	106	74	62	164	126	108	126	89	77	92	96	100	81
4-5	75	88	98	117	101	117	204	169	129	145	103	98	117	135	122	94
5-6	92	102	128	122	168	161	208	176	147	170	118	104	137	163	142	107
6-7	109	121	141	137	156	169	208	195	169	198	127	111	150	169	161	120
7-8	127	128	152	123	159	208	183	206	176	186	153	128	156	171	159	137
8-9	130	141	197	146	166	206	271	202	176	186	155	144	180	219	176	145
9-10	129	166	196	170	174	237	316	210	184	206	161	166	187	215	189	158
10-11	125	146	178	165	170	247	348	212	164	169	146	143	179	225	169	143
11-12	113	158	141	162	166	254	321	207	178	170	140	139	173	217	163	140
12-13	99	107	102	123	168	247	358	219	128	155	111	119	156	228	127	112
13-14	77	68	102	140	162	192	265	244	160	80	93	61	137	199	135	78
14-15	54	89	55	100	108	191	335	181	105	78	52	42	111	187	84	62
15-16	21	65	44	103	77	131	243	138	95	55	32	-5	80	134	74	31
16-17	-32	12	23	59	19	111	90	75	56	16	23	-35	31	61	38	-5
17-18	-36	-29	31	33	21	55	118	38	49	9	12	2	23	48	30	-10
18-19	-33	-55	3	-23	-29	-41	14	46	23	-12	15	13	1	-7	23	-12
19-20	-24	-59	13	-14	-15	2	-68	29	19	-68	-1	23	47	131	12	-2
20-21	-6	-53	31	-20	5	-12	-132	36	21	-73	-38	-9	-14	-32	15	-24
21-22	1	-20	26	-19	14	-69	-158	-19	-111	-28	-4	-15	-26	-62	-9	-6
22-23	-10	-24	31	-3	-16	-20	-102	11	-72	3	35	18	-5	-38	15	8
23-24	26	-10	38	-5	-5	2	-33	51	-35	41	40	41	19	-4	35	27
Mean	50	56	80	76	80	99	141	121	88	83	71	63	86	106	88	64

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: June 2

MEAN VALUES OF MAGNETIC ELEMENTS

WEST COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days)

Table 13 Resolute Bay

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	897	906	906	911	889	884	914	892	893	896	868	854	892	895	902	881
1-2	898	911	912	922	903	903	934	902	902	898	872	858	901	910	909	885
2-3	905	904	916	934	904	901	941	903	906	897	874	860	904	912	913	886
3-4	910	904	924	930	907	907	936	904	901	895	872	863	904	914	912	887
4-5	912	907	921	927	900	911	940	902	905	887	876	860	904	913	910	889
5-6	906	905	917	916	897	904	931	897	899	882	874	856	899	907	904	885
6-7	904	905	909	907	887	882	925	886	891	880	865	854	891	895	897	882
7-8	896	895	898	893	872	865	903	871	880	869	861	847	879	878	885	875
8-9	886	885	884	880	854	856	893	860	861	852	848	839	867	866	869	864
9-10	874	872	864	865	836	845	878	848	842	838	838	827	852	852	852	853
10-11	857	855	850	850	818	825	852	842	827	833	828	813	838	834	840	838
11-12	839	842	840	840	804	805	823	823	810	827	818	797	822	814	829	824
12-13	833	822	826	824	777	786	807	803	800	808	805	786	806	793	814	812
13-14	817	819	819	809	768	760	764	791	788	809	802	783	794	771	806	805
14-15	821	809	809	800	752	732	743	769	785	808	802	778	784	749	800	802
15-16	822	808	809	770	737	721	724	767	777	806	803	783	777	737	790	804
16-17	819	818	814	777	736	717	704	762	784	813	811	789	779	730	797	809
17-18	835	834	828	785	743	718	699	770	793	820	817	804	787	732	806	822
18-19	848	852	853	804	771	750	726	795	793	838	831	822	807	760	822	838
19-20	865	859	881	827	802	784	770	801	818	856	838	829	828	789	846	848
20-21	879	874	905	861	836	813	775	846	854	861	849	840	849	818	870	860
21-22	884	890	902	873	846	819	799	867	861	870	855	845	859	833	876	868
22-23	891	894	896	886	847	843	850	874	876	871	859	848	870	854	882	873
23-24	893	903	896	895	872	861	899	885	887	876	863	850	882	879	888	877
Mean	870	870	874	862	832	825	839	844	847	854	843	829	849	835	859	853

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: June 2

MEAN VALUES OF MAGNETIC ELEMENTS
WEST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 14 Resolute Bay

1961

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	880	887	894	899	868	860	876	868	867	858	855	837	871	868	880	865
1-2	881	889	896	904	877	864	882	888	870	857	854	838	875	878	882	866
2-3	886	886	890	904	881	867	894	889	870	856	852	841	876	883	880	866
3-4	889	887	889	901	883	871	899	890	870	858	851	845	878	886	880	868
4-5	885	886	890	904	882	871	911	890	866	858	851	843	878	888	880	866
5-6	887	885	888	895	877	871	899	886	863	858	851	842	875	883	876	866
6-7	889	881	884	893	865	857	897	879	865	856	849	842	871	874	874	865
7-8	889	882	881	890	852	840	880	870	861	852	851	842	866	860	871	866
8-9	884	882	873	886	844	840	863	855	855	848	848	838	860	847	866	862
9-10	875	876	870	858	838	834	867	849	849	844	845	833	853	847	855	857
10-11	862	873	868	851	826	811	843	844	845	841	839	829	844	831	851	851
11-12	854	868	863	843	812	813	811	834	829	841	836	821	835	818	844	845
12-13	855	865	858	830	803	812	804	813	821	836	833	818	829	808	836	843
13-14	852	858	846	812	793	771	790	806	817	832	834	824	820	790	827	842
14-15	852	851	836	812	782	744	788	798	815	827	832	822	813	778	822	840
15-16	854	849	838	806	774	741	783	804	814	827	830	817	811	776	821	838
16-17	855	844	847	817	762	750	787	816	824	836	833	819	816	779	831	838
17-18	866	849	863	822	750	770	781	825	824	840	829	821	820	782	837	841
18-19	864	862	862	827	784	817	756	818	812	849	844	830	827	794	838	850
19-20	869	869	870	876	836	826	789	819	838	852	846	833	844	818	859	854
20-21	876	873	880	866	843	865	809	851	870	860	848	837	856	842	869	858
21-22	880	880	878	884	851	830	834	862	876	864	850	839	861	844	876	862
22-23	883	882	885	878	863	839	864	863	871	861	852	839	865	857	874	864
23-24	883	885	891	883	870	865	882	872	867	860	853	836	871	872	875	864
Mean	873	873	872	864	834	826	841	850	848	849	844	833	851	838	858	856

MEAN VALUES OF MAGNETIC ELEMENTS

WEST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 15 Resolute Bay

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	918	932	920	940	887	957	974	960	905	993	895	885	930	944	940	908
1-2	920	978	930	960	924	986	997	994	906	992	904	902	949	975	947	926
2-3	932	946	952	968	871	965	971	974	915	975	907	894	939	945	952	920
3-4	944	917	984	981	889	986	934	961	911	971	889	902	939	942	962	913
4-5	925	915	969	982	909	992	940	939	949	928	886	901	936	945	957	907
5-6	922	908	967	948	968	971	961	925	926	920	888	895	933	956	940	903
6-7	917	924	944	941	950	910	940	885	919	918	883	896	919	921	930	905
7-8	898	911	916	912	905	864	899	866	900	891	871	866	892	884	905	889
8-9	884	890	896	895	862	840	918	851	865	851	842	847	870	868	877	866
9-10	864	862	841	867	838	838	936	842	828	815	826	815	848	864	838	842
10-11	829	825	809	836	796	817	880	821	784	799	813	768	815	828	807	809
11-12	799	803	791	837	779	788	862	792	781	785	788	732	795	805	798	780
12-13	813	770	768	823	757	745	834	751	761	711	748	720	767	772	766	763
13-14	784	758	762	794	720	712	682	754	722	758	732	683	738	717	759	739
14-15	776	736	767	766	705	696	654	713	751	781	710	659	726	692	766	720
15-16	759	751	770	709	686	687	629	695	740	777	725	693	718	674	749	732
16-17	729	768	811	720	697	665	619	702	787	782	765	738	732	671	775	750
17-18	767	788	815	715	689	669	523	688	802	792	800	795	737	642	781	788
18-19	813	802	870	753	710	717	519	742	775	837	813	844	766	672	809	818
19-20	851	826	904	763	775	726	613	753	782	842	825	846	792	717	823	837
20-21	869	864	901	873	867	755	694	812	848	855	848	860	837	782	869	860
21-22	882	913	905	895	840	794	734	868	863	890	871	871	860	809	888	884
22-23	902	923	900	895	830	859	858	903	906	903	883	872	886	862	901	895
23-24	903	950	903	921	862	889	954	928	923	903	893	883	909	908	912	907
Mean	858	861	875	862	822	826	814	838	844	861	834	824	843	825	860	844

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: June 2

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (All Days)

Table 16 Resolute Bay

57,500 γ +

1961

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	592	593	591	567	555	524	501	562	571	610	626	619	576	535	585	608
1-2	594	597	587	572	554	522	522	565	578	613	626	620	579	541	588	609
2-3	595	600	590	575	558	529	531	567	582	616	631	623	583	546	591	612
3-4	596	601	595	583	559	534	542	570	587	621	632	626	587	551	597	614
4-5	602	603	598	587	564	542	543	575	593	625	635	629	591	556	601	617
5-6	603	605	602	591	570	553	559	582	599	626	639	632	598	566	607	620
6-7	605	613	605	598	578	560	563	589	608	631	640	634	603	573	610	625
7-8	616	614	611	599	579	558	571	590	615	633	643	633	605	574	615	626
8-9	619	619	617	600	579	557	573	591	611	633	653	636	608	575	617	632
9-10	620	625	616	599	578	559	596	589	610	642	659	641	611	580	617	636
10-11	619	631	616	599	576	551	581	591	609	637	655	642	609	574	616	637
11-12	623	632	612	595	569	548	574	588	608	634	652	648	607	569	612	639
12-13	625	632	605	588	565	547	590	584	601	634	653	653	606	571	607	641
13-14	626	626	597	587	567	542	579	583	592	631	653	651	603	569	602	639
14-15	620	617	590	593	550	536	579	584	582	627	649	655	596	562	598	628
15-16	612	607	576	586	552	516	573	581	577	622	647	643	591	555	590	627
16-17	611	595	568	564	538	481	539	558	572	611	639	638	576	528	579	621
17-18	602	581	560	549	504	470	511	549	566	608	632	632	564	508	571	612
18-19	597	572	546	543	500	476	472	542	550	603	629	628	555	498	561	606
19-20	593	575	550	537	491	475	485	554	545	611	628	624	556	502	561	605
20-21	591	582	567	556	515	489	495	549	558	611	628	620	563	512	573	605
21-22	591	587	581	573	516	497	473	552	554	610	624	619	565	509	580	605
22-23	589	589	591	570	547	521	475	544	560	612	623	618	570	522	583	605
23-24	591	591	595	567	542	533	494	559	566	614	622	620	574	532	586	606
Mean	606	604	590	578	550	526	538	571	583	622	638	633	586	546	594	620

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: June 2

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 17 Resolute Bay

57,500 γ +

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	591	586	595	586	581	514	563	590	575	609	626	613	586	562	591	604
1-2	594	590	594	581	580	528	545	574	577	608	627	613	584	557	590	606
2-3	596	591	595	584	564	540	556	564	576	609	627	613	585	556	591	607
3-4	596	592	595	589	564	543	567	572	582	608	627	615	587	561	593	607
4-5	598	593	595	594	564	548	568	574	585	609	628	615	589	563	596	608
5-6	599	594	595	593	570	551	572	579	586	610	629	614	591	568	596	609
6-7	598	595	596	596	574	559	565	587	586	611	630	616	593	571	597	610
7-8	599	593	597	599	573	558	579	585	587	611	631	617	594	574	598	610
8-9	600	594	595	598	568	548	576	589	589	611	632	621	593	570	598	612
9-10	601	596	596	600	568	542	576	585	588	612	633	620	593	568	599	612
10-11	604	596	595	593	564	531	574	587	586	611	632	618	591	564	596	612
11-12	610	596	598	584	561	533	574	582	581	612	632	617	590	562	594	614
12-13	608	596	600	582	557	537	574	577	571	607	632	618	588	561	590	613
13-14	604	594	598	580	550	534	575	575	563	606	629	617	585	558	587	611
14-15	602	590	591	580	548	513	576	576	565	602	629	615	582	553	584	609
15-16	595	586	585	561	530	460	570	572	558	595	632	611	571	533	575	606
16-17	592	582	585	539	514	411	542	577	553	595	634	609	572	543	568	607
17-18	590	583	582	529	495	389	552	571	565	594	631	610	558	502	568	604
18-19	585	580	581	532	489	364	518	549	547	600	629	608	548	480	565	600
19-20	581	582	594	549	499	392	500	560	554	591	629	607	553	488	572	600
20-21	583	578	593	527	535	440	510	574	567	598	628	607	562	515	571	599
21-22	586	574	602	577	551	450	472	551	557	604	625	607	563	505	585	598
22-23	588	576	593	603	572	455	510	568	567	606	623	606	572	526	592	597
23-24	586	584	597	569	559	462	534	574	575	604	622	607	573	532	586	600
Mean	595	588	594	576	551	496	552	575	572	605	629	613	579	545	587	606

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (Disturbed Days)

Table 18 Resolute Bay

57,500 γ +

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	600	590	595	572	522	493	383	499	574	610	622	640	558	474	588	613
1-2	598	601	588	578	513	494	485	536	581	623	621	642	572	507	592	616
2-3	598	610	593	582	538	502	497	556	584	639	638	650	582	523	600	624
3-4	603	607	602	593	544	510	537	564	592	661	637	657	593	539	614	626
4-5	611	609	612	603	556	535	525	579	595	678	639	662	600	549	622	630
5-6	612	611	625	604	566	554	558	579	611	674	650	679	610	564	628	638
6-7	617	639	623	631	584	556	563	588	642	687	657	680	622	573	646	648
7-8	630	631	630	621	594	553	584	589	648	682	660	667	624	580	645	647
8-9	631	642	643	616	589	546	579	597	633	669	668	667	623	578	640	651
9-10	636	663	664	622	586	537	682	588	635	719	714	683	636	598	660	651
10-11	636	662	670	636	593	538	633	589	634	699	703	687	640	588	660	672
11-12	644	676	659	638	583	544	601	584	634	691	695	716	639	578	655	683
12-13	643	660	642	618	578	554	717	586	617	704	706	728	645	609	643	684
13-14	645	652	631	617	569	531	700	570	613	692	712	720	638	592	638	682
14-15	645	641	618	609	564	506	656	572	580	693	708	757	629	574	625	688
15-16	643	621	580	608	538	491	644	549	582	686	696	714	613	556	614	668
16-17	658	586	570	582	541	504	541	539	612	663	664	701	597	531	607	652
17-18	645	552	551	579	470	449	538	550	590	679	648	675	596	558	599	630
18-19	635	539	519	585	489	553	514	546	549	648	635	663	573	525	575	618
19-20	613	551	535	539	459	471	549	567	512	667	626	656	562	511	563	611
20-21	611	568	553	539	510	454	487	495	524	665	626	647	557	487	570	613
21-22	605	576	585	556	524	518	436	544	494	652	623	650	563	505	572	612
22-23	597	584	597	594	538	541	449	535	514	645	627	651	573	516	587	615
23-24	603	594	590	575	528	504	459	547	534	663	628	653	573	510	590	619
Mean	623	611	603	596	545	518	555	560	587	670	658	677	600	547	614	641

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: June 2

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days)

Table 19 Resolute Bay

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	77	72	79	75	53	54	72	80	81	86	96	93	77	65	80	84
1-2	79	76	84	90	61	76	77	98	96	91	99	99	86	78	90	88
2-3	81	82	91	106	78	88	94	113	110	102	105	107	96	93	102	94
3-4	82	88	99	119	88	104	113	135	128	121	114	115	109	110	117	100
4-5	88	92	108	129	103	118	134	152	144	139	123	126	121	127	130	107
5-6	90	98	111	142	112	137	149	172	153	148	133	129	131	142	138	112
6-7	95	102	121	157	117	147	164	184	168	151	140	125	139	153	149	116
7-8	100	107	128	156	126	156	164	181	175	158	148	129	144	157	154	121
8-9	105	117	128	168	134	166	166	175	168	157	147	131	147	160	155	125
9-10	104	123	129	168	146	166	167	162	165	157	139	135	147	160	155	125
10-11	104	125	128	170	153	166	165	159	153	144	127	130	144	161	149	122
11-12	99	121	130	164	155	157	157	152	136	126	122	121	137	155	139	116
12-13	91	110	127	160	148	147	157	141	124	110	103	113	128	148	130	104
13-14	85	101	121	153	135	133	146	132	118	96	94	98	118	136	122	94
14-15	77	87	111	138	125	99	125	116	93	78	87	78	101	116	105	82
15-16	67	77	103	122	107	87	105	87	77	53	67	67	85	96	89	70
16-17	63	57	88	108	87	55	88	67	52	47	66	58	70	74	74	61
17-18	58	57	76	76	82	28	65	45	34	30	63	47	55	55	54	56
18-19	57	46	62	53	66	17	44	46	19	19	61	45	45	43	38	52
19-20	59	39	60	47	63	04	36	49	18	34	68	47	44	38	40	53
20-21	59	50	69	51	60	09	28	43	35	35	62	53	46	35	48	56
21-22	58	63	78	50	52	21	40	38	46	51	62	64	52	38	56	62
22-23	62	68	80	65	47	32	47	43	49	60	74	75	59	42	64	70
23-24	72	70	84	71	45	37	57	70	64	73	88	85	68	52	73	79
Mean	80	85	100	114	98	92	107	110	100	94	100	95	98	102	102	90

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: March 22
November 16, 17, 19, 20, 21

MEAN VALUES OF MAGNETIC ELEMENTS
 NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 20 Resolute Bay

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	77	83	96	77	93	96	87	100	92	87	94	99	90	94	88	88
1-2	82	85	99	91	85	99	87	106	98	93	97	100	94	94	95	91
2-3	83	87	100	88	74	104	95	107	102	106	102	104	96	95	99	94
3-4	82	89	100	99	79	114	107	114	108	117	108	107	102	104	106	96
4-5	83	90	103	107	81	124	121	117	110	128	108	114	107	111	112	99
5-6	84	93	104	114	92	133	139	115	121	145	107	119	114	120	121	101
6-7	85	96	108	117	98	138	149	121	120	154	108	116	118	126	125	101
7-8	89	97	111	124	111	139	135	120	116	164	108	117	119	126	129	103
8-9	90	102	111	130	114	138	131	125	114	163	108	119	120	127	130	105
9-10	92	99	112	140	127	124	140	117	113	151	107	117	120	127	129	104
10-11	90	99	112	136	136	125	138	131	113	143	108	116	121	132	126	103
11-12	89	101	121	132	133	146	141	134	109	110	106	113	120	138	118	102
12-13	87	101	120	143	132	161	142	125	107	105	102	106	119	140	119	99
13-14	87	103	109	139	137	144	122	116	107	105	99	103	114	130	115	98
14-15	83	87	117	137	120	131	117	103	81	94	97	93	105	118	107	90
15-16	78	79	112	126	108	116	94	75	77	75	96	89	94	98	98	86
16-17	76	68	88	101	99	108	89	60	73	68	89	89	84	89	82	80
17-18	72	71	67	94	79	111	99	48	38	51	92	88	76	84	62	81
18-19	70	73	74	60	98	117	82	56	53	40	92	83	75	88	57	80
19-20	72	75	74	32	97	138	92	74	63	64	93	82	80	100	58	80
20-21	72	81	83	38	104	188	84	76	68	70	93	89	87	113	65	84
21-22	76	86	89	38	120	164	95	85	62	68	95	87	89	116	64	86
22-23	80	85	87	85	92	124	92	56	67	67	93	101	86	91	76	90
23-24	83	83	88	86	83	71	88	70	69	81	94	102	83	78	81	90
Mean	82	88	99	101	104	127	111	98	91	102	100	102	100	110	98	93

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: November 20

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 21 Resolute Bay

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	74	47	84	42	32	62	69	43	89	74	97	71	65	52	72	72
1-2	71	65	87	79	62	99	77	94	101	69	94	88	82	83	84	80
2-3	74	79	90	116	99	92	103	131	117	82	102	122	101	106	101	94
3-4	73	92	100	135	110	123	111	172	125	126	125	144	120	129	122	108
4-5	94	95	111	139	132	134	151	187	169	147	150	164	139	151	142	126
5-6	93	102	115	160	143	158	184	208	184	150	190	160	154	173	152	136
6-7	106	108	130	189	152	180	208	213	213	164	182	144	166	188	174	135
7-8	107	115	140	186	144	175	199	240	241	191	187	161	174	190	190	142
8-9	123	128	145	210	152	212	185	228	213	188	186	148	176	194	189	146
9-10	117	143	155	215	169	223	185	220	201	195	146	159	177	199	192	141
10-11	121	149	153	199	196	237	188	201	193	152	129	150	172	206	174	137
11-12	116	148	146	217	226	182	201	181	202	121	130	132	167	198	172	132
12-13	98	124	141	196	225	173	161	149	140	106	75	119	142	177	146	104
13-14	93	89	153	197	203	146	182	150	141	77	87	96	134	170	142	91
14-15	66	68	108	161	165	68	138	114	100	51	76	48	97	121	105	64
15-16	44	50	99	124	107	27	91	94	59	24	48	25	66	80	76	42
16-17	33	10	64	95	83	-10	31	43	40	00	57	-14	36	37	50	22
17-18	28	32	52	75	91	-32	-19	62	24	-11	50	-74	23	26	35	09
18-19	26	02	25	25	36	25	14	52	-45	-38	22	-62	07	32	-08	-03
19-20	26	-20	23	-20	31	-33	35	27	-102	-10	30	-42	-05	15	-27	-02
20-21	30	07	39	-16	03	-89	-02	-09	-44	-51	17	-13	-11	-24	-18	10
21-22	33	55	73	-28	18	-23	-46	-21	-11	06	-02	-04	04	-18	10	20
22-23	45	58	75	-07	03	13	21	-15	07	36	28	26	24	05	28	39
23-24	58	72	94	15	17	29	31	55	40	57	78	55	50	33	52	66
Mean	73	76	100	113	108	90	104	117	100	79	95	75	94	105	98	80

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: November 16

MEAN VALUES OF MAGNETIC ELEMENTS
WEST COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days)

Table 22 Resolute Bay

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	849	859	852	887	868	907	892	889	886	890	859	864	875	889	879	858
1-2	847	855	857	885	877	911	913	897	889	902	861	863	880	900	883	856
2-3	850	860	858	893	878	912	911	905	901	901	863	866	883	902	888	860
3-4	855	860	855	895	882	910	900	893	906	895	862	862	882	896	888	860
4-5	860	862	861	884	879	917	893	891	892	889	863	859	879	895	882	861
5-6	854	861	855	878	875	906	884	883	877	880	858	858	872	887	872	858
6-7	851	860	850	873	871	890	865	867	867	866	856	850	864	873	864	854
7-8	848	858	846	860	864	877	854	847	853	842	844	842	853	860	850	848
8-9	842	850	833	843	851	859	842	824	830	828	830	837	839	844	834	840
9-10	834	839	825	832	839	845	826	808	814	805	820	819	825	830	819	828
10-11	824	829	815	820	827	832	811	792	791	790	799	810	812	816	804	816
11-12	815	809	804	805	813	812	787	785	778	772	790	804	798	799	790	804
12-13	806	801	783	791	789	792	775	769	775	757	782	805	785	781	776	798
13-14	802	790	773	778	777	774	758	754	767	759	780	794	775	766	769	792
14-15	802	782	775	757	764	767	744	751	757	758	793	789	770	756	762	792
15-16	803	778	769	744	757	757	736	755	745	772	806	793	768	751	758	795
16-17	804	794	772	730	767	778	739	756	746	784	820	801	774	760	758	805
17-18	811	798	779	745	770	774	745	780	772	794	827	811	784	767	772	812
18-19	820	803	791	778	786	771	765	796	785	815	831	823	797	780	792	819
19-20	831	825	818	795	811	819	786	824	814	840	843	839	820	810	817	834
20-21	838	845	844	820	829	854	812	833	851	856	849	849	840	832	843	845
21-22	842	854	842	841	847	876	847	843	858	864	859	856	852	853	851	853
22-23	846	853	844	863	859	886	868	863	870	873	861	859	862	869	862	855
23-24	848	856	844	873	866	894	876	868	880	875	859	862	867	876	868	856
Mean	833	833	823	828	831	847	826	828	829	834	834	834	832	833	828	834

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: March 22

November 16, 17, 20

MEAN VALUES OF MAGNETIC ELEMENTS

WEST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 23 Resolute Bay

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	841	849	838	869	856	863	870	852	861	894	855	847	858	860	866	848
1-2	840	849	845	869	858	878	887	857	863	897	854	849	862	870	868	848
2-3	841	848	841	875	874	890	897	869	870	879	857	848	866	882	866	848
3-4	840	846	837	866	878	881	888	862	863	882	848	851	862	877	862	846
4-5	840	850	840	860	877	879	881	858	850	882	844	854	860	874	858	847
5-6	841	852	836	859	872	874	868	856	851	866	843	851	856	868	853	847
6-7	842	851	835	858	864	869	859	850	846	868	842	844	852	860	852	845
7-8	842	852	832	855	862	867	841	840	841	852	840	840	847	852	845	844
8-9	837	844	823	848	851	848	831	831	834	829	838	836	838	840	834	839
9-10	837	838	823	838	839	832	825	824	830	801	835	823	829	830	823	833
10-11	834	837	820	832	829	815	813	819	823	802	835	820	823	819	819	832
11-12	824	823	812	823	809	813	801	814	815	795	831	821	815	809	811	825
12-13	825	814	801	826	799	801	788	797	802	801	831	821	809	796	808	823
13-14	824	810	796	799	785	764	773	788	790	799	831	818	798	778	796	821
14-15	825	806	788	776	776	754	766	784	795	791	831	822	793	770	788	821
15-16	825	806	778	764	773	759	742	789	786	804	834	820	790	766	783	821
16-17	826	817	786	767	783	763	758	809	783	819	838	824	798	778	789	826
17-18	826	819	813	756	811	766	775	831	809	835	842	824	809	796	803	828
18-19	829	832	828	774	823	785	803	849	819	829	841	824	820	815	812	832
19-20	833	852	843	826	825	809	799	871	834	853	844	834	835	826	839	841
20-21	837	856	852	810	850	841	820	868	853	854	843	841	844	845	842	844
21-22	840	857	841	836	866	850	842	849	842	851	844	843	847	852	842	846
22-23	842	851	835	847	859	850	841	851	865	865	849	837	849	850	853	845
23-24	842	845	832	855	863	851	849	854	880	863	848	837	852	854	858	843
Mean	835	838	824	829	838	829	826	836	834	843	842	835	834	832	832	837

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: November 20

MEAN VALUES OF MAGNETIC ELEMENTS

WEST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 24 Resolute Bay

1962

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	857	878	859	939	875	932	913	911	864	924	849	914	893	908	896	874
1-2	856	854	857	913	872	922	918	954	874	972	876	912	898	916	904	874
2-3	864	867	859	908	882	912	925	978	917	922	887	927	904	924	902	886
3-4	877	857	856	924	907	919	929	928	937	872	878	897	898	921	897	877
4-5	900	855	878	910	892	973	952	932	934	888	891	880	907	937	902	882
5-6	882	866	877	903	878	950	931	902	907	879	873	876	894	915	892	874
6-7	869	867	866	898	871	918	871	873	889	864	878	858	877	883	879	868
7-8	864	862	863	873	871	901	857	853	864	848	826	847	861	870	862	850
8-9	852	855	844	855	851	870	855	802	830	835	816	859	844	844	841	846
9-10	836	838	825	828	838	846	820	779	798	798	801	812	818	821	812	822
10-11	814	815	810	820	831	842	812	780	749	773	766	798	801	816	788	798
11-12	780	783	789	796	798	811	766	770	750	734	765	779	777	786	767	777
12-13	749	778	732	770	731	783	754	744	751	701	714	777	749	753	738	754
13-14	752	735	718	758	735	746	692	752	728	724	715	759	734	731	732	740
14-15	751	719	737	728	723	747	688	733	720	733	767	746	733	723	730	746
15-16	754	722	720	697	706	755	700	715	683	744	798	747	728	719	711	755
16-17	770	755	756	688	717	805	740	747	690	748	816	754	749	752	720	774
17-18	793	760	760	676	708	787	822	740	740	761	831	769	762	764	734	788
18-19	813	774	743	723	686	722	872	791	714	794	824	796	771	768	744	802
19-20	826	802	780	730	754	788	835	771	774	817	841	847	797	787	775	829
20-21	836	846	819	788	762	825	820	817	834	858	848	870	827	806	825	850
21-22	847	862	844	808	827	877	848	840	871	890	887	897	858	848	853	873
22-23	854	865	861	874	854	896	868	884	901	899	882	895	878	876	884	874
23-24	859	869	848	893	861	918	885	881	937	883	861	906	883	886	890	874
Mean	827	820	813	821	810	852	836	828	819	828	829	838	827	832	820	828

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: November 16

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (All Days)

Table 25 Resolute Bay 57,500 γ + 1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	607	599	607	599	611	603	576	580	604	612	612	628	603	592	606	612
1-2	606	601	605	606	608	594	582	582	606	613	613	630	604	592	608	612
2-3	607	600	608	607	604	594	586	587	610	623	616	630	606	593	612	613
3-4	609	600	610	612	604	598	591	595	618	625	619	634	610	597	616	616
4-5	615	602	615	618	606	601	597	602	627	633	622	638	615	602	623	619
5-6	613	602	616	620	609	610	601	609	632	640	626	641	618	607	627	620
6-7	614	605	618	629	614	615	610	619	635	651	637	644	624	614	633	625
7-8	620	606	620	632	616	616	614	625	645	647	649	642	628	618	636	629
8-9	621	608	623	633	618	621	613	629	646	654	648	651	630	620	639	632
9-10	621	616	622	633	618	626	610	627	643	661	645	654	631	620	640	634
10-11	624	618	622	634	615	633	610	624	641	656	647	657	632	620	638	636
11-12	624	622	621	630	613	634	612	619	642	655	650	657	632	620	637	638
12-13	629	625	620	631	611	637	601	621	629	656	653	652	630	618	634	640
13-14	629	621	622	624	605	643	602	617	623	649	653	650	628	617	630	638
14-15	626	613	617	614	600	633	603	613	618	645	640	652	623	612	624	633
15-16	623	604	608	604	593	628	587	606	620	635	632	649	616	604	617	627
16-17	619	593	594	603	582	608	580	613	612	618	629	645	608	596	607	622
17-18	613	586	592	594	569	620	564	610	609	600	620	638	601	591	599	614
18-19	610	583	583	586	573	610	539	595	595	609	624	637	595	579	593	614
19-20	606	578	584	582	576	602	541	583	589	615	624	635	593	576	592	611
20-21	606	582	592	566	577	611	532	582	592	616	614	633	592	576	592	609
21-22	605	590	597	572	593	624	536	593	604	609	614	630	597	586	596	610
22-23	604	597	603	583	596	630	568	587	607	604	617	630	602	595	599	612
23-24	605	596	603	590	606	613	570	583	606	609	616	630	602	593	602	612
Mean	615	602	608	608	601	617	584	604	619	631	630	641	613	602	616	622

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: March 22
November 16, 17, 20

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 26 Resolute Bay		57,500 γ +											1962			
G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	606	600	612	618	586	588	568	576	617	618	616	630	603	580	616	613
1-2	607	602	607	620	598	580	566	585	613	615	615	629	603	582	614	613
2-3	608	603	608	618	594	584	577	588	617	618	616	628	605	586	615	614
3-4	607	603	613	623	597	593	587	595	620	622	614	630	609	593	620	614
4-5	607	602	617	624	603	593	589	594	620	625	615	631	610	595	622	614
5-6	607	602	613	616	608	596	594	597	624	632	616	635	612	599	621	615
6-7	609	605	616	619	612	600	597	601	625	651	617	635	616	602	628	616
7-8	611	607	616	623	613	600	601	604	624	649	618	635	617	604	628	618
8-9	613	608	618	624	611	603	603	605	620	646	616	636	617	606	627	618
9-10	615	607	617	626	609	605	601	601	619	652	617	639	617	604	628	620
10-11	612	606	614	625	602	604	601	598	616	653	616	641	616	601	627	619
11-12	614	610	608	623	595	600	596	597	618	637	615	641	613	597	622	620
12-13	614	613	598	624	584	595	585	599	616	634	616	636	610	591	618	620
13-14	614	606	593	629	568	579	584	597	614	635	619	638	606	582	618	619
14-15	612	601	583	626	552	541	577	601	622	622	615	633	599	568	613	615
15-16	611	588	569	623	540	511	573	592	630	625	617	630	592	554	612	612
16-17	609	580	555	630	540	491	535	600	629	617	616	630	586	542	608	609
17-18	606	566	560	656	525	468	488	624	633	605	614	630	581	526	614	604
18-19	605	556	569	628	524	432	492	605	634	631	622	629	577	513	616	603
19-20	602	565	589	643	516	442	515	593	625	614	627	627	580	516	618	605
20-21	603	577	612	637	516	464	533	618	626	621	626	626	588	533	624	608
21-22	603	585	625	652	560	522	542	609	634	609	621	625	591	558	630	608
22-23	603	595	626	615	611	594	566	594	622	614	619	629	607	591	619	612
23-24	604	594	626	615	594	597	582	591	605	613	615	629	605	591	615	610
Mean	608	595	603	627	577	558	569	598	622	627	617	632	603	576	620	613

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: November 20

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (Disturbed Days)

Table 27 Resolute Bay 57,500 γ + 1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	608	596	596	600	612	565	589	576	615	607	609	635	601	586	604	612
1-2	606	595	601	613	609	566	599	570	605	618	608	646	603	586	609	614
2-3	606	600	607	615	606	573	593	580	600	636	610	647	606	588	614	616
3-4	613	596	610	613	598	584	591	597	609	628	619	658	610	592	615	622
4-5	632	600	617	626	600	593	607	605	631	632	627	665	620	601	626	631
5-6	622	598	622	634	605	610	609	621	642	646	645	675	627	611	636	635
6-7	625	606	622	660	606	620	625	627	644	663	678	680	638	620	647	647
7-8	643	607	625	653	610	620	625	633	667	662	663	666	640	622	652	645
8-9	634	611	629	657	623	620	623	656	666	688	673	706	649	630	660	656
9-10	629	633	635	658	622	645	630	668	662	696	658	691	652	641	663	653
10-11	640	630	638	661	615	652	629	651	662	671	668	687	650	637	658	656
11-12	650	639	635	676	614	647	651	634	673	660	668	680	652	636	661	659
12-13	672	633	648	706	610	667	632	631	642	678	717	676	659	635	668	674
13-14	670	632	665	695	597	663	625	628	638	670	723	672	656	628	667	674
14-15	664	626	655	683	598	637	644	633	620	667	676	670	648	628	656	659
15-16	655	629	628	692	613	639	635	627	622	629	653	674	641	628	643	653
16-17	644	621	620	675	576	566	617	640	585	631	641	673	624	600	628	645
17-18	627	618	630	686	588	658	679	617	561	624	633	662	632	636	625	635
18-19	623	587	627	661	613	583	566	567	577	628	630	663	610	582	623	626
19-20	614	591	615	664	586	628	577	551	577	629	632	653	610	586	621	623
20-21	611	600	607	608	614	637	571	572	569	637	622	653	608	598	605	622
21-22	607	607	605	609	601	642	589	592	570	625	619	646	609	606	602	620
22-23	609	610	607	610	596	644	592	602	581	610	635	646	612	608	602	625
23-24	608	607	612	601	600	621	581	608	609	616	632	644	612	602	610	623
Mean	630	611	623	648	605	620	612	612	618	644	647	665	628	612	633	638

Mean hourly values for the following days, missing wholly or in part, have not been included in this table: November 16

Table 28 Resolute Bay

Hourly Ranges in gammas

January 1960

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	8	22	22	15	15	30	15	15	13	32	36	13	13	19	15	8	8	17	13	15	22	17	13	8	17
2	15	8	10	8	17	30	22	30	19	13	30	30	19	15	19	38	17	13	58	26	13	19	13	8	20
3	4	8	13	10	22	22	15	13	24	22	10	26	34	52	30	19	40	68	24	17	26	13	6	13	22
4	13	40	13	19	10	24	17	13	26	15	17	60	51	30	22	51	10	34	30	13	15	10	13	10	23
5	13	13	51	28	17	40	22	64	28	30	47	28	64	64	47	115	34	102	51	60	34	32	30	26	43
6	51	36	26	56	30	19	17	22	19	22	15	13	13	13	34	56	42	68	34	32	28	17	8	22	29
7	13	13	8	8	13	30	17	13	13	15	51	45	40	30	10	15	15	74	68	19	22	19	28	26	25
8	22	13	8	22	8	10	10	8	13	10	13	15	15	8	10	10	17	32	38	17	13	13	13	22	15
9	17	22	17	22	8	8	10	8	10	10	13	13	8	10	10	10	13	22	26	17	13	10	4	8	13
10	10	10	22	15	17	8	22	42	22	62	77	106	85	88	92	72	72	130	94	96	72	72	58	47	58
11	60	20	34	54	56	32	22	34	106	81	72	34	66	60	68	51	130	98	38	42	51	22	22	26	53
12	42	54	22	30	17	10	47	40	22	22	22	34	36	60	72	66	42	64	56	64	51	32	56	26	41
13	26	34	22	26	40	32	20	30	22	21	86	68	19	42	30	34	26	49	60	102	184	123	84	62	52
14	98	141	128	56	96	68	107	141	77	89	64	106	51	64	85	30	64	102	299	136	66	40	77	36	93
15	42	170	34	116	66	30	36	30	40	17	28	60	58	17	94	64	22	38	66	44	22	22	13	22	48
16	15	34	22	8	17	15	19	24	30	10	13	13	13	30	19	34	22	54	19	54	42	40	68	36	27
17	20	51	13	30	17	17	34	34	14	13	30	17	53	51	110	60	34	30	44	21	21	10	13	13	31
18	13	13	13	8	30	26	20	30	81	128	58	36	153	76	34	26	56	140	130	32	58	26	20	26	51
19	60	38	26	13	21	13	13	19	21	42	13	17	38	10	36	51	79	40	58	38	13	8	15	10	29
20	19	13	15	42	49	42	13	17	17	20	72	132	80	15	38	51	120	187	44	56	66	24	34	36	50
21	88	47	42	70	53	47	24	42	51	77	74	153	192	100	102	66	102	64	94	76	42	44	47	64	73
22	56	30	40	51	38	51	81	34	34	51	122	147	124	115	51	74	80	102	68	96	115	64	42	30	71
23	42	21	38	56	30	43	70	42	42	51	32	64	60	44	66	80	56	113	133	85	119	38	42	81	60
24	60	47	52	34	72	51	62	62	44	44	64	53	49	40	122	98	133	81	132	68	68	47	17	56	65
25	47	38	26	34	30	36	32	28	17	42	32	30	62	42	98	129	87	47	51	106	47	40	40	34	49
26	38	30	66	30	42	30	32	13	34	44	60	32	17	17	40	34	96	98	81	77	79	58	15	21	45
27	24	64	34	21	28	26	19	19	28	19	42	34	19	47	17	36	42	56	24	34	13	32	30	21	30
28	13	17	47	13	10	15	10	19	49	30	26	34	28	34	30	36	56	34	60	56	38	38	34	30	32
29	38	13	64	32	38	26	28	13	17	34	21	68	24	34	21	26	17	49	19	8	21	21	10	13	27
30	13	8	5	4	6	6	6	6	4	8	8	8	8	6	8	13	15	15	13	10	8	10	10	8	9
31	6	4	6	13	10	4	4	6	6	4	13	8	24	13	21	10	36	32	32	21	21	13	8	6	14
Mean	32	35	30	30	30	27	28	29	30	35	41	48	49	40	47	47	51	66	63	50	45	32	29	27	39

Table 29 Resolute Bay

Hourly Ranges in gammas

February 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	6	8	10	8	34	22	13	15	34	26	13	34	22	26	25	51	51	32	17	34	13	13	13	13	22	
2	8	8	13	13	26	22	10	22	17	13	30	38	13	56	90	68	38	70	30	76	56	56	34	64	36	
3	24	22	34	13	22	22	22	8	19	8	26	36	92	85	30	54	45	64	72	56	64	26	47	21	38	
4	51	17	26	13	72	34	36	38	24	38	47	30	26	38	17	42	68	60	56	42	85	38	26	68	41	
5	13	13	10	8	13	10	19	34	34	26	76	192	149	34	64	51	140	145	98	110	34	34	17	22	56	
6	21	13	114	77	34	32	13	30	64	22	17	64	26	17	26	34	12	47	34	13	10	17	17	60	38	
7	22	22	22	26	30	8	13	17	34	22	8	8	22	13	22	13	22	38	30	56	38	8	13	30	22	
8	4	30	13	8	8	17	34	38	38	34	38	81	60	60	56	30	64	60	72	30	30	13	13	47	37	
9	22	34	30	13	13	13	8	8	13	8	8	13	13	8	13	26	17	45	34	30	38	56	40	56	23	
10	13	26	13	17	22	30	34	34	22	19	34	42	22	22	26	13	22	49	34	72	13	8	13	8	25	
11	8	13	13	6	6	13	10	13	22	17	13	26	28	13	10	30	32	34	110	47	38	47	34	34	26	
12	22	34	13	10	13	6	13	10	19	30	13	19	19	13	13	10	17	13	32	22	19	13	10	4	16	
13	8	10	8	6	6	8	10	8	13	34	19	19	17	13	20	34	22	56	68	38	56	51	34	42	25	
14	60	30	17	22	30	38	34	30	13	38	22	47	30	13	60	85	134	99	85	47	68	38	30	26	46	
15	47	26	13	8	5	13	10	13	10	10	13	8	34	60	85	111	42	34	64	68	13	13	10	22	31	
16	13	34	13	30	8	13	17	13	17	22	26	42	68	64	141	247	60	32	95	59	64	72	60	47	52	
17	51	51	56	53	60	42	42	22	34	64	120	47	30	56	47	22	94	76	119	106	77	51	106	64	62	
18	64	72	34	30	42	26	113	47	92	34	38	30	72	60	51	94	72	132	68	196	72	34	47	66	66	
19	30	17	26	34	22	34	30	34	34	81	42	68	60	42	68	32	56	179	154	124	111	166	51	81	66	
20	30	72	64	34	54	30	56	22	22	22	34	34	26	58	72	51	26	81	106	175	137	90	89	51	60	
21	56	38	64	148	68	51	51	98	34	47	141	72	42	51	64	81	62	85	81	85	64	64	60	47	69	
22	17	38	13	3	8	17	30	22	34	30	30	34	38	40	34	64	23	106	60	85	64	22	26	42	37	
23	52	19	17	22	17	51	51	22	13	17	13	26	17	64	42	47	47	72	98	102	68	26	30	13	39	
24	13	13	17	13	38	13	22	19	13	5	13	6	13	13	22	13	22	51	38	30	102	68	30	13	25	
25	13	6	6	6	10	8	19	15	26	13	13	13	10	13	19	24	42	26	34	38	40	40	17	17	20	
26	4	4	8	4	6	8	4	8	15	15	19	26	10	30	22	51	85	56	106	60	51	13	17	30	27	
27	26	51	42	102	111	38	42	47	47	38	32	86	42	45	26	68	64	126	89	89	60	30	34	17	56	
28	15	10	17	30	22	13	15	13	20	22	26	13	17	25	26	34	8	42	68	64	42	13	13	51	26	
29	22	22	38	22	26	13	30	56	22	13	30	13	26	19	43	34	47	64	104	158	60	48	51	42	42	
30																										
31																										
Mean	25	26	26	27	29	22	28	26	27	26	33	40	36	36	42	52	53	68	71	73	55	40	34	38	39	

Table 30 Resolute Bay

Hourly Ranges in gammas

March 1960

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	34	65	38	22	64	42	19	22	38	13	66	47	17	22	26	56	94	102	68	51	42	107	34	22	46	
2	17	56	94	43	28	42	30	22	80	60	19	42	60	42	47	34	64	81	77	64	64	34	38	68	50	
3	30	26	51	34	86	30	40	56	47	42	26	42	49	30	56	85	56	107	102	128	148	86	68	38	61	
4	47	51	34	17	17	22	22	13	17	8	19	30	68	64	124	64	59	51	98	81	64	34	30	13	44	
5	51	22	22	13	30	13	17	26	34	30	13	17	47	34	30	22	42	86	70	107	52	60	42	34	38	
6	54	42	64	34	70	82	26	17	22	56	51	40	30	30	22	34	42	90	102	34	56	72	34	34	47	
7	13	8	6	4	13	13	4	4	8	4	8	30	15	22	26	26	30	38	42	34	30	8	4	13	17	
8	13	10	14	25	13	38	30	47	34	30	47	77	38	17	30	30	47	56	42	86	128	102	77	34	44	
9	13	22	51	34	13	34	22	34	26	26	22	51	38	13	68	34	60	166	68	128	98	86	56	22	49	
10	30	22	22	26	47	30	30	22	34	72	42	34	34	34	47	34	64	111	128	77	64	94	42	34	49	
11	60	64	42	22	86	86	42	27	107	60	51	218	132	42	64	98	68	90	185	64	72	42	51	22	73	
12	27	42	13	8	22	13	17	13	47	34	13	13	30	68	47	64	34	81	38	64	64	86	42	40	40	
13	25	13	13	17	17	30	19	19	30	13	13	8	22	13	22	22	94	82	42	42	34	34	30	34	29	
14	34	17	22	26	38	13	17	30	13	81	34	13	26	17	50	81	56	86	124	52	86	80	42	34	45	
15	34	22	13	13	8	8	10	8	8	13	17	10	19	26	34	51	94	158	84	77	42	90	26	94	40	
16	42	22	141	77	51	68	92	74	20	17	24	22	34	34	30	38	107	196	72	150	218	90	60	68	73	
17	46	70	81	42	22	13	34	34	38	22	34	40	42	34	40	72	51	124	124	120	188	107	64	56	62	
18	22	34	34	51	56	107	111	27	68	38	34	22	42	30	22	42	42	56	64	107	124	86	38	42	54	
19	64	42	22	34	13	17	13	13	17	38	51	86	34	38	98	56	64	89	38	145	235	86	30	34	57	
20	34	40	17	30	22	30	19	17	13	22	13	30	36	22	60	68	50	28	30	34	98	98	56	13	37	
21	20	19	22	17	22	22	13	34	30	51	22	22	83	111	42	34	34	83	90	68	42	34	26	19	40	
22	34	19	13	13	17	10	14	8	13	17	10	8	94	64	60	51	22	34	85	80	68	90	51	40	38	
23	17	13	13	17	30	22	8	17	13	26	30	22	26	8	13	22	22	42	51	56	34	51	64	38	27	
24	51	94	30	51	75	13	13	8	34	30	38	22	17	22	30	111	80	30	64	56	248	72	30	19	52	
25	17	8	19	30	13	22	26	13	22	13	26	17	38	13	30	22	22	34	72	107	86	51	60	81	35	
26	30	22	30	22	13	13	38	13	17	38	17	13	26	26	22	42	60	94	148	179	34	86	34	22	43	
27	13	30	17	42	26	26	22	8	19	42	26	30	30	22	30	13	13	102	30	42	30	38	13	28		
28	8	8	8	13	8	13	17	22	22	34	47	38	60	22	26	77	124	64	138	68	72	98	154	40	49	
29	111	51	34	51	43	42	42	30	26	30	60	28	19	19	22	42	30	96	120	141	184	107	42	60	60	
30	56	102	51	13	56	47	13	26	42	30	42	13	47	47	51	102	64	111	77	22	81	60	30	72	52	
31	102	47	34	26	51	13	30	51	34	64	120	525	288	470	84	425	233	542	750	458	308	200	142	108	213	
Mean	37	36	34	28	34	31	27	24	31	34	33	52	50	47	44	63	62	98	106	94	100	76	50	41	51	

Table 31 Resolute Bay

Hourly Ranges in gammas

April 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	233	332	208	717	616	183	284	233	416	375	350	584	350	300	142	191	416	167	208	166	125	166	150	82	291	
2	163	50	112	56	167	99	96	86	158	98	133	90	94	51	22	34	69	47	136	51	90	74	64	141	91	
3	221	244	192	222	230	120	83	257	146	98	90	77	68	98	42	94	197	261	385	(90)	184	200	141	(60)	158	
4	22	51	56	98	98	22	30	30	64	42	30	34	64	56	51	77	77	56	235	137	269	90	179	179	85	
5	121	184	132	56	51	86	47	68	30	26	26	30	34	120	179	(312)	154	192	235	363	290	64	90	32	122	
6	17	13	26	30	51	43	26	51	47	22	22	22	92	56	26	34	130	184	156	180	68	86	77	42	63	
7	94	98	43	56	100	43	43	26	17	17	15	26	22	26	32	277	103	77	68	68	94	214	167	69	75	
8	65	60	56	98	47	34	60	51	43	81	43	51	68	34	30	51	60	54	162	150	224	64	64	43	71	
9	47	73	86	56	90	34	75	34	73	60	64	60	62	22	30	26	34	81	81	128	115	68	51	26	62	
10	13	26	22	22	77	98	34	68	64	86	43	77	64	51	81	73	43	56	34	73	111	86	145	75	63	
11	64	56	86	39	73	17	56	30	34	22	34	73	58	56	128	137	128	150	132	188	98	111	56	111	81	
12	(77)	197	235	139	60	64	47	51	43	26	47	17	75	51	43	26	51	120	316	322	158	111	94	86	102	
13	99	107	154	33	60	120	73	179	68	34	22	30	60	39	64	30	86	222	145	196	256	218	80	107	103	
14	90	43	43	56	30	30	56	30	30	19	94	83	81	56	34	34	56	60	103	158	64	77	90	111	64	
15	120	56	90	124	192	165	81	34	56	51	56	68	43	60	111	81	77	282	205	132	171	120	111	77	107	
16	(43)	26	39	60	56	42	39	34	51	22	22	68	26	136	64	77	88	133	312	201	155	64	120	120	82	
17	(160)	137	180	137	77	43	98	47	34	111	51	34	30	60	51	98	193	82	95	154	42	154	90	124	95	
18	77	130	94	69	56	51	40	60	51	43	150	73	43	13	30	68	51	90	154	111	145	98	77	56	76	
19	48	56	47	43	47	30	26	34	22	13	22	13	56	56	13	17	39	41	26	90	51	34	26	9	36	
20	9	17	13	9	4	17	13	17	17	30	9	13	34	34	17	13	13	64	47	103	64	34	30	13	26	
21	8	4	4	10	8	4	8	22	4	17	60	64	34	22	17	38	102	68	81	175	184	76	72	26	46	
22	(34)	60	34	26	34	10	17	22	34	22	38	42	42	22	47	60	107	28	32	200	51	47	22	32	44	
23	56	38	51	22	42	47	62	13	13	38	30	22	24	56	30	42	30	26	42	77	64	38	106	106	45	
24	90	94	120	120	64	56	13	58	56	42	30	60	56	94	77	90	107	113	81	104	170	162	64	136	86	
25	255	147	177	42	107	30	72	51	72	34	72	51	56	72	90	87	106	166	128	30	94	34	90	22	87	
26	91	62	22	(17)	34	17	22	86	26	22	26	42	17	34	60	80	72	38	47	77	56	72	47	118	49	
27	47	26	22	22	60	13	13	19	13	17	17	34	19	64	98	154	179	77	60	111	(128)	128	70	175	65	
28	(40)	94	70	106	128	42	102	51	51	124	90	35	196	77	111	64	115	106	86	94	205	132	106	39	94	
29	94	47	132	132	47	60	77	64	100	72	47	94	124	51	64	98	248	278	98	209	106	70	106	179	108	
30	106	329	196	160	(192)	111	111	51	115	168	141	145														
31																										
Mean	86	87	88	90	93	56	58	62	63	57	60	68	69	64	62	85	108	114	134	143	131	100	89	83	85	

Table 32 Resolute Bay

Hourly Ranges in gammas

May 1960

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	145	299	380	282	111	195	115	72	124	107	68	64	104	56	42	51	72	60	115	34	51	68	124	51	116	
2	42	102	86	102	120	40	47	68	30	38	42	60	36	42	64	72	104	230	294	90	180	60	72	51	87	
3	28	34	42	29	30	30	22	38	72	51	80	60	17	86	60	64	56	124	204	192	136	98	42	42	68	
4	30	17	119	13	17	17	8	13	22	22	13	51	17	42	17	56	64	111	81	143	68	98	72	42	44	
5	22	68	60	51	26	17	26	34	19	22	38	30	30	34	47	51	38	49	72	255	124	171	115	77	62	
6	64	90	34	77	77	42	34	56	86	72	42	56	60	51	72	205	256	238	278	334	158	308	98	269	127	
7	171	165	86	64	64	100	64	51	30	141	64	179	205	132	300	256	126	154	102	201	102	201	90	184	135	
8	95	51	30	68	700	515	171	154	210	393	299	389	278	248	320	277	1050	842	600	500	400	338	295	367	358	
9	178	120	47	86	42	104	34	56	100	111	111	98	56	51	106	120	111	86	150	446	507	336	226	72	140	
10	56	90	107	38	47	30	42	46	90	52	68	56	34	102	42	137	77	94	154	269	308	149	152	84	97	
11	22	22	115	149	162	520	282	104	141	107	64	68	56	47	52	115	226	394	205	551	192	148	111	34	162	
12	91	94	34	94	98	64	70	107	42	94	77	115	218	252	166	171	176	367	275	122	60	47	81	86	125	
13	42	107	60	68	64	68	34	34	22	38	58	64	81	128	82	214	260	166	166	278	269	119	90	94	109	
14	77	72	38	51	56	30	51	42	51	77	81	64	62	120	42	22	64	164	337	235	290	68	56	30	91	
15	15	17	30	34	30	38	38	38	34	34	64	94	40	56	30	107	64	116	132	98	171	56	17	30	58	
16	17	22	13	17	30	42	68	22	34	30	68	51	90	65	115	243	132	310	366	162	750	295	115	145	133	
17	64	60	66	47	26	64	34	64	51	83	51	90	77	81	120	72	162	180	214	222	81	184	64	26	91	
18	38	30	30	22	51	42	68	38	34	38	42	68	38	30	64	94	47	38	64	90	166	154	77	94	61	
19	42	56	42	3	72	26	64	51	86	38	34	64	42	64	51	26	60	56	72	47	128	154	141	98	64	
20	56	47	60	30	26	38	17	26	13	51	42	72	30	56	122	128	150	214	380	222	218	120	86	51	94	
21	30	60	30	26	34	19	19	26	42	13	26	22	42	94	98	81	64	94	56	150	106	102	68	17	55	
22	38	22	13	13	30	13	8	13	34	26	26	22	26	30	120	355	342	429	333	478	216	107	150	34	116	
23	81	30	34	30	17	13	34	42	51	56	51	120	77	158	256	171	201	98	325	166	235	86	95	124	106	
24	42	30	13	102	60	60	154	124	68	51	60	98	56	34	77	94	90	108	64	124	145	120	120	102	83	
25	68	56	51	38	60	42	72	42	34	102	98	77	81	42	184	141	376	75	132	158	102	86	56	56	93	
26	81	47	30	68	34	51	42	56	60	98	34	42	83	30	77	81	111	98	160	138	124	226	94	120	83	
27	72	42	107	141	81	34	22	30	34	42	34	36	56	77	60	81	90	77	42	68	68	132	100	42	65	
28	56	68	34	30	26	34	26	26	34	42	56	42	22	34	13	98	56	94	110	122	235	169	235	222	78	
29	360	162	200	56	51	34	90	215	34	94	94	54	107	126	290	122	86	346	214	269	837	282	299	316	156	
30	81	42	30	51	30	56	68	51	107	56	90	102	126	34	77	86	36	42	56	51	56	150	107	171	73	
31	60	38	34	68	77	34	30	64	36	42	30	30	51	60	42	48	124	77	156	350	359	107	51	68	85	
Mean	73	70	63	63	65	78	60	58	59	72	65	79	74	79	104	121	157	178	191	212	221	153	113	103	105	

Table 33 Resolute Bay

Hourly Ranges in gammas

June 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	60	43	43	60	60	90	90	74	162	149	60	68	100	107	87	64	32	51	43	170	141	60	32	21	78	
2	17	47	26	17	13	19	34	26	26	53	43	13	23	39	38	58	51	32	45	122	53	94	39	13	39	
3	21	38	15	13	11	11	21	30	17	21	30	43	64	60	68	34	44	150	205	168	85	64	66	47	55	
4	73	38	64	106	102	94	60	60	107	115	160	94	102	137	120	120	177	120	303	360	480	525	118	162	158	
5	122	90	119	162	141	56	81	81	100	90	118	94	28	53	94	65	50	100	149	68	246	282	149	212	115	
6	108	213	34	39	158	77	45	47	85	56	81	77	64	158	115	152	145	156	145	119	210	158	85	107	110	
7	64	132	68	111	53	51	34	81	43	111	51	175	143	64	133	34	96	85	259	234	459	316	256	70	130	
8	36	66	149	143	149	108	60	60	56	77	115	149	62	89	123	205	166	295	115	143	128	47	179	85	117	
9	133	62	89	40	81	111	43	43	65	77	55	119	107	43	141	154	75	273	74	145	192	91	43	34	95	
10	51	45	13	26	17	21	21	30	55	24	34	64	34	56	60	128	105	47	81	124	62	79	51	98	55	
11	74	60	47	79	30	24	55	21	39	17	41	39	30	21	32	45	34	77	105	197	158	23	34	30	55	
12	24	30	47	34	26	26	6	13	34	32	21	34	62	49	23	34	25	115	118	108	288	111	34	38	55	
13	64	39	34	34	15	19	34	21	43	26	30	70	34	30	51	162	40	107	64	352	188	154	90	64	74	
14	60	21	26	43	30	64	43	38	75	64	73	60	124	88	50	158	98	239	158	26	94	149	162	53	83	
15	107	64	43	43	34	19	47	36	98	90	47	112	45	77	43	88	149	47	107	312	70	269	94	171	92	
16	66	81	85	34	64	56	45	73	51	34	28	75	81	64	68	66	77	77	94	124	160	152	115	97	78	
17	47	152	56	34	32	43	36	19	21	34	53	15	75	25	85	98	85	107	273	137	271	393	220	115	101	
18	90	70	55	53	34	32	34	60	77	89	128	98	130	102	158	181	205	550	407	368	385	325	162	84	162	
19	83	75	43	85	75	121	58	53	94	64	66	81	41	98	132	26	66	53	58	49	21	81	94	55	70	
20	64	34	49	21	43	34	60	53	26	15	43	94	25	36	43	21	79	64	55	85	43	143	115	40	54	
21	30	26	55	68	139	94	26	43	32	79	60	47	58	60	26	100	103	141	167	75	98	141	68	17	73	
22	47	43	43	21	34	34	45	25	55	55	77	53	65	51	36	53	64	81	250	196	137	192	109	55	76	
23	76	36	55	98	21	64	102	60	38	30	87	51	68	85	60	120	120	64	96	98	45	81	51	47	69	
24	64	45	53	38	81	111	38	19	41	73	43	63	25	38	75	92	108	133	138	208	142	92	71	117	80	
25	67	96	55	55	36	26	47	45	60	26	81	107	136	154	162	235	201	218	204	167	250	232	73	73	117	
26	88	107	90	81	66	58	38	88	108	64	80	52	105	60	43	60	38	133	192	286	140	115	128	85	96	
27	125	230	196	145	100	138	109	77	81	105	55	50	75	65	38	34	194	475	425	450	258	150	216	334	172	
28	200	98	64	137	77	73	107	142	125	142	120	142	132	81	58	43	68	60	150	124	100	160	85	120	109	
29	58	93	194	64	132	171	77	73	130	51	55	33	55	100	64	102	26	65	49	150	267	550	169	111	118	
30	195	60	90	115	183	107	38	77	55	47	115	120	53	60	22	160	183	383	1033	750	392	200	158	92	195	
31																										
Mean	77	74	67	67	68	65	51	52	67	64	68	76	71	72	75	96	97	150	185	197	185	181	109	88	96	

Table 34 Resolute Bay

Hourly Ranges in gammas

July 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	142	196	160	81	68	111	85	81	60	83	81	115	153	56	96	51	81	51	330	83	264	230	149	132	122
2	70	77	102	114	60	149	92	68	36	94	77	77	141	164	209	98	62	85	222	132	322	386	85	40	123
3	130	38	58	85	85	34	34	77	64	49	75	141	58	111	85	77	290	181	115	200	155	226	162	96	109
4	94	131	61	83	85	49	128	54	85	70	77	112	132	177	143	74	147	276	260	249	195	261	149	121	134
5	42	88	118	111	66	64	70	68	56	81	44	119	111	94	77	56	158	73	149	196	119	308	175	104	106
6	132	68	77	73	47	26	47	34	64	56	73	100	66	73	34	87	34	42	81	117	73	134	47	21	63
7	38	17	21	13	11	17	17	23	51	30	38	21	44	32	60	53	44	103	179	187	162	119	94	47	59
8	21	23	34	38	26	42	17	9	21	34	42	17	28	49	17	51	19	32	30	51	70	64	17	25	32
9	9	21	21	15	19	13	21	15	21	17	34	85	15	34	11	17	34	42	56	42	70	98	21	34	32
10	17	75	66	73	30	33	21	26	42	21	19	34	70	73	30	17	179	256	62	51	85	64	119	34	62
11	34	53	53	68	34	75	32	53	30	56	42	28	51	60	56	44	183	290	209	342	113	170	64	34	91
12	34	124	73	77	68	38	56	77	96	77	64	75	56	98	121	26	111	36	179	299	192	224	256	73	105
13	34	62	56	68	53	33	42	56	26	53	68	70	36	56	60	77	107	218	160	117	119	32	117	85	75
14	42	44	47	36	90	109	115	42	204	214	107	68	42	47	34	81	53	290	483	1033	1016	917	317	95	230
15	64	42	138	60	64	119	100	60	75	151	124	60	83	104	102	51	115	158	139	115	132	153	150	234	108
16	158	217	217	117	150	58	125	104	46	54	46	83	75	100	58	125	75	125	37	83	92	100	75	58	99
17	50	75	75	50	50	29	58	58	83	54	75	25	42	42	54	75	108	46	83	225	271	92	54	75	77
18	75	75	100	108	58	46	37	62	75	25	50	100	83	46	121	200	183	125	83	62	271	81	51	56	91
19	44	36	26	47	53	58	56	51	53	107	68	124	196	98	107	60	235	256	226	85	149	119	64	104	101
20	156	64	26	44	42	34	42	115	85	104	128	153	85	44	128	121	231	309	149	128	324	94	90	102	117
21	64	51	42	85	209	203	100	49	32	26	32	47	96	53	85	38	70	128	136	81	77	64	32	34	76
22	44	42	47	100	60	77	77	21	60	107	85	34	109	119	75	64	56	128	138	153	68	124	90	113	80
23	56	170	94	51	38	11	42	17	38	77	40	26	28	51	53	21	102	81	90	124	56	73	44	32	59
24	38	26	51	21	34	34	34	64	102	64	38	90	85	60	78	64	100	256	136	221	68	109	47	40	78
25	26	19	23	36	32	32	17	38	24	13	30	28	30	21	21	30	38	94	94	107	77	32	34	38	39
26	53	26	21	17	21	13	42	21	31	17	31	17	70	51	25	83	150	92	67	267	275	150	33	25	67
27	33	42	79	75	17	17	21	50	25	25	21	33	50	33	58	33	83	62	167	123	42	100	37	17	52
28	20	17	12	17	50	29	17	33	20	46	62	67	150	92	54	33	42	35	121	75	92	33	33	42	50
29	75	100	87	67	54	25	37	46	25	42	42	38	58	42	33	200	62	108	108	129	325	67	83	50	79
30	75	92	94	67	87	92	133	33	33	42	17	25	62	33	133	108	29	50	40	117	242	187	115	129	85
31	79	108	119	64	53	38	42	117	90	60	81	125	183	100	92	125	62	92	200	158	121	117	37	25	95
Mean	64	72	71	63	59	55	57	52	57	63	58	69	80	71	75	72	105	133	146	173	182	159	92	68	85

Table 35 Resolute Bay

Hourly Ranges in gammas

August 1960

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	85	56	73	66	102	107	42	38	64	42	75	79	46	175	83	83	83	67	125	87	83	50	100	85	79
2	73	111	128	158	115	119	38	38	68	60	100	75	42	33	25	54	100	83	167	137	96	71	62	94	85
3	60	73	85	92	21	34	17	17	21	44	60	60	44	38	56	53	56	60	81	136	149	102	60	51	61
4	85	34	49	34	30	42	30	34	26	64	124	38	56	47	60	38	26	77	100	73	128	107	21	40	57
5	51	51	13	21	17	17	13	11	32	17	17	43	21	17	38	34	60	34	21	47	40	21	38	23	29
6	30	30	21	38	21	9	21	19	34	77	56	43	40	50	43	26	119	192	124	282	162	175	43	43	71
7	30	51	58	43	43	56	17	38	43	26	34	38	73	64	98	43	107	109	141	77	113	34	34	19	58
8	34	13	21	26	19	21	38	21	87	47	68	119	125	77	145	124	47	21	30	160	81	171	119	158	74
9	151	94	81	38	94	115	98	94	56	11	81	43	47	47	60	94	38	64	165	128	238	162	43	23	86
10	60	43	43	43	38	77	40	64	38	64	81	107	47	98	66	86	56	47	81	145	56	230	175	40	76
11	50	67	117	175	150	96	33	42	42	42	54	87	58	54	67	87	175	75	179	279	117	142	33	62	95
12	85	145	128	85	56	45	51	64	98	73	58	77	73	77	47	40	94	153	182	350	70	102	85	64	96
13	85	38	68	45	51	26	40	21	28	51	51	73	105	85	80	51	43	94	320	130	187	100	38	61	78
14	43	60	60	28	47	38	40	34	32	43	28	17	26	81	56	158	248	354	111	98	119	256	134	132	93
15	47	98	51	47	56	56	30	47	77	34	26	56	21	58	64	26	47	73	158	171	248	117	56	49	71
16	30	47	56	21	13	26	13	43	26	56	56	60	51	47	171	60	171	85	81	117	64	248	90	107	72
17	200	98	179	370	85	149	119	38	85	98	38	149	77	63	92	107	236	167	73	162	102	111	136	119	127
18	66	30	34	81	38	43	47	60	21	124	149	26	68	18	26	21	21	77	85	64	85	128	32	43	58
19	40	26	60	30	13	9	28	34	102	64	60	38	47	68	120	60	162	102	90	139	68	98	128	156	73
20	67	26	17	38	145	38	43	90	56	81	26	117	90	98	64	60	234	251	68	196	90	222	132	34	95
21	90	124	43	43	81	47	43	60	64	34	77	62	45	90	68	80	171	119	68	145	212	171	110	98	89
22	56	70	98	34	64	64	26	17	21	47	34	47	47	47	30	64	94	145	97	128	127	107	60	98	68
23	56	60	64	34	26	13	23	21	26	21	53	17	26	26	38	47	73	90	73	107	107	34	26	38	46
24	40	45	51	43	17	15	21	43	30	85	32	60	34	17	21	56	73	68	94	94	64	43	17	21	45
25	38	13	9	9	4	21	17	17	13	13	13	19	21	17	38	64	51	90	115	77	51	43	38	21	34
26	17	13	6	19	21	17	13	13	17	26	17	21	30	17	26	26	77	30	179	84	81	60	30	34	36
27	76	17	47	98	38	64	43	26	26	28	45	45	43	32	60	56	102	81	136	102	384	81	30	64	72
28	77	51	38	94	77	60	77	30	21	21	17	30	85	85	43	34	85	43	49	85	111	51	30	43	56
29	162	94	111	48	149	230	303	132	38	85	51	64	94	115	132	51	77	94	90	47	119	98	64	252	113
30	68	43	26	145	153	68	34	100	94	32	87	132	115	56	43	56	85	75	107	77	153	98	85	64	83
31	73	81	30	56	40	56	34	38	43	51	47	30	64	64	47	51	26	51	38	43	21	34	30	32	45
Mean	69	58	60	68	59	57	46	43	46	50	55	60	57	60	65	61	98	99	111	128	120	112	67	70	72

Table 36 Resolute Bay Hourly Ranges in gammas September 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	17	21	13	21	19	11	17	21	17	13	13	21	30	21	26	21	38	28	43	28	43	53	26	13	24	
2	28	9	9	11	28	64	30	17	85	56	34	34	64	73	56	126	51	224	278	299	423	149	136	111	100	
3	85	134	119	34	64	34	64	68	43	81	85	96	94	75	115	81	98	64	158	128	145	107	85	68	89	
4	64	36	90	111	66	98	90	111	107	40	73	83	175	113	128	138	90	153	170	128	147	187	94	128	109	
5	170	19	143	90	64	40	132	145	210	145	102	85	68	47	96	102	162	87	128	141	162	119	145	70	111	
6	130	73	85	90	107	102	66	143	64	34	28	77	85	56	43	21	38	76	85	107	192	153	175	111	89	
7	77	85	43	30	34	47	43	26	60	64	98	56	145	118	127	56	119	109	94	256	158	136	81	34	87	
8	68	64	66	56	81	73	40	81	40	30	30	98	64	87	64	90	124	94	260	306	128	60	34	30	86	
9	40	60	49	51	85	21	47	30	26	30	38	34	34	73	43	43	51	64	47	185	153	73	30	85	58	
10	56	51	34	68	47	21	40	85	51	56	40	54	34	38	45	126	80	47	43	145	102	107	107	77	65	
11	85	64	56	107	43	36	21	30	21	26	43	60	81	43	81	85	141	64	160	73	171	119	56	43	71	
12	56	43	26	26	26	17	34	43	43	26	47	28	13	17	30	94	43	60	26	43	128	38	21	51	41	
13	43	38	15	34	43	73	21	17	56	56	34	32	30	43	92	30	90	67	81	166	90	138	102	43	60	
14	104	54	13	67	25	50	38	43	51	26	40	38	17	21	38	23	60	68	85	43	62	34	17	26	43	
15	21	21	9	4	6	43	24	43	17	13	17	9	11	34	19	22	26	22	52	62	28	30	6	13	23	
16	21	17	15	17	9	11	9	11	13	13	17	23	17	19	21	34	60	30	66	124	64	47	34	17	30	
17	21	26	51	34	21	11	13	17	15	19	13	17	17	21	28	30	49	149	141	118	158	90	98	26	49	
18	64	60	107	56	49	43	21	26	21	45	32	34	38	21	43	26	53	64	60	85	43	26	32	21	45	
19	17	21	9	28	26	21	36	19	19	26	21	13	30	30	28	60	56	38	90	149	107	26	32	26	39	
20	30	9	9	13	4	13	17	9	21	17	26	17	17	17	13	15	30	43	85	77	43	68	77	34	29	
21	26	23	30	21	21	9	4	4	17	30	30	51	38	49	17	26	32	38	43	38	21	43	21	26	27	
22	26	13	17	13	15	21	30	34	17	13	21	13	21	13	38	23	60	51	47	102	51	126	81	30	36	
23	34	60	73	34	56	28	38	32	34	51	51	26	17	21	21	47	90	56	81	60	104	47	32	81	49	
24	23	102	53	56	38	26	60	26	87	64	34	34	34	32	32	115	51	166	81	43	38	47	43	37	55	
25	38	21	30	17	17	13	9	15	4	17	17	19	13	17	21	17	34	63	107	68	43	17	19	13	27	
26	17	77	60	26	13	17	23	26	43	34	19	38	17	17	43	68	77	43	64	51	100	30	47	30	41	
27	68	26	21	38	38	28	38	60	33	60	30	21	21	32	21	34	26	68	38	81	49	21	26	30	38	
28	26	47	43	34	26	23	21	17	26	70	21	38	19	17	43	56	85	26	38	21	60	26	15	21	34	
29	17	21	26	30	21	9	21	11	19	56	36	21	51	73	68	38	43	30	26	38	64	38	60	34	35	
30	51	43	60	115	66	60	43	47	68	26	43	47	47	60	70	81	51	124	187	153	85	187	75	49	77	
31																										
Mean	51	45	46	44	39	35	36	42	44	41	38	41	45	43	50	58	67	74	95	111	105	78	60	46	56	

Table 37 Resolute Bay

Hourly Ranges in gammas

October 1960

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	128	73	47	43	60	32	56	68	179	124	68	85	60	151	64	34	73	73	115	183	124	51	51	60	83
2	43	81	171	94	43	28	47	64	171	85	43	119	124	77	162	64	68	68	153	162	51	43	43	145	90
3	38	38	38	38	34	34	51	30	21	111	107	34	51	30	43	60	26	107	47	187	149	77	38	43	60
4	30	17	13	21	30	38	21	28	43	56	64	30	34	30	136	119	94	107	238	392	68	124	171	153	86
5	56	73	60	64	60	77	44	64	124	64	45	34	26	51	38	94	73	124	98	151	243	111	175	94	85
6	56	145	306	158	243	145	136	214	98	85	95	200	102	284	104	171	208	185	185	306	166	273	316	230	184
7	134	332	179	230	158	73	73	102	128	183	171	179	58	81	81	258	354	115	115	102	111	98	179	77	49
8	47	34	38	56	47	47	26	51	60	85	119	17	77	51	43	32	38	43	26	64	107	68	47	34	52
9	36	34	34	34	21	56	43	73	21	60	30	30	60	64	214	183	30	98	102	60	43	98	102	34	65
10	56	21	81	107	38	21	26	13	17	21	23	21	13	17	38	26	30	62	34	47	60	68	32	43	38
11	77	68	13	17	30	47	17	47	60	73	30	38	17	43	47	21	38	68	43	30	30	21	30	36	39
12	21	15	13	13	21	9	9	6	13	13	21	34	13	11	11	11	21	85	47	47	38	30	32	21	23
13	17	11	11	21	21	17	21	21	21	21	21	21	21	23	23	17	38	47	45	21	68	30	34	43	26
14	51	26	17	13	13	21	21	13	15	19	19	17	17	21	17	17	30	51	56	43	32	64	30	28	27
15	26	21	17	60	56	21	26	13	13	13	38	47	56	38	30	145	94	30	102	43	81	34	56	43	46
16	38	26	13	21	21	13	17	17	13	13	13	15	64	45	15	38	34	34	60	51	26	64	43	38	30
17	38	21	21	17	9	13	17	13	13	17	21	28	13	43	60	60	45	45	26	60	38	30	43	60	31
18	47	56	81	128	38	30	21	38	98	47	34	43	34	56	38	64	64	30	43	21	68	26	34	19	48
19	56	47	32	21	15	64	56	21	19	13	26	36	30	21	32	17	17	43	38	47	43	17	30	43	33
20	43	13	9	26	13	13	21	19	21	64	30	38	26	51	26	47	77	98	28	68	38	34	47	34	37
21	43	30	17	17	17	17	13	17	15	30	47	26	21	30	21	30	32	38	30	26	21	30	17	17	25
22	15	17	19	9	13	19	13	11	17	17	26	21	13	13	4	6	21	17	17	34	13	21	9	9	16
23	17	9	6	6	9	6	9	9	6	11	9	9	21	13	17	21	30	30	34	47	13	17	17	8	16
24	21	13	9	9	15	17	11	11	13	9	30	21	17	13	119	85	81	132	175	30	26	47	45	30	41
25	34	17	26	38	26	26	102	43	85	77	51	43	111	98	107	107	212	213	192	81	128	43	90	77	84
26	94	115	73	60	73	38	128	47	98	43	107	56	73	81	141	149	102	107	94	98	64	43	85	64	85
27	43	81	47	47	51	45	34	43	38	64	51	77	94	115	56	38	77	128	60	68	73	51	43	73	62
28	81	56	85	56	47	73	73	64	21	102	68	102	124	34	87	43	73	64	107	128	64	26	21	74	70
29	51	196	73	68	58	51	21	34	113	68	128	43	68	77	111	115	124	218	102	132	128	77	47	51	90
30	85	85	64	64	38	26	98	73	56	47	149	85	143	139	47	77	162	158	102	128	70	34	77	171	91
31	85	43	77	34	21	43	51	65	47	64	94	124	107	90	119	179	98	85	64	86	43	47	34	43	73
Mean	51	59	55	51	43	37	42	43	53	55	57	54	54	61	66	75	79	87	83	95	72	58	65	61	61

Table 38 Resolute Bay

Hourly Ranges in gammas

November 1960

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	37	54	67	28	80	75	37	65	37	45	52	62	41	30	32	34	77	65	116	65	26	47	26	39	52	
2	34	41	52	41	26	19	32	45	45	30	22	30	82	77	24	71	86	37	67	69	52	47	11	39	45	
3	47	65	101	41	17	11	32	15	32	56	26	37	39	13	24	30	54	123	52	45	75	90	58	32	46	
4	45	17	39	32	45	39	123	90	56	45	41	52	37	39	101	26	99	56	120	37	56	60	65	116	60	
5	82	30	34	75	19	45	26	49	17	19	15	24	17	99	88	32	22	17	39	26	30	26	11	9	35	
6	9	6	6	17	26	4	11	22	24	22	17	45	45	43	9	11	37	43	37	65	73	22	34	32	28	
7	9	4	52	41	17	15	13	28	30	24	13	17	13	13	9	15	26	30	17	15	19	6	6	4	18	
8	4	4	9	9	11	11	11	11	15	13	4	11	11	28	13	26	15	43	11	13	19	17	9	11	14	
9	17	9	11	9	15	24	13	17	13	13	34	49	24	17	13	37	24	37	15	13	13	9	6	4	18	
10	4	4	4	6	6	4	6	19	17	15	13	37	24	34	65	90	19	45	39	26	11	6	4	13	21	
11	32	43	13	32	19	24	13	26	17	99	97	103	22	32	28	28	32	26	47	65	39	41	13	30	38	
12	11	15	26	22	22	28	15	22	43	41	34	30	28	108	148	185	286	361	241	619			783	765		
13																										
14	202	215	185	62	166	200	353	123	105	191	60	133	56	103	47	62	189	191	146	65	151	99	71	88	136	
15	56	138	71	54	99	114	144	112	84	131	112	114	39	402	204	151	125	157	215	204	157	260	415	361	163	
16	260	740	318	310	155	211	142	163	129	206	279	153	125	170	112	219	56	69	60	116	114	47	43	82	178	
17	43	45	32	58	41	26	82	39	52	28	77	45	90	52	19	37	73	30	45	88	41	58	24	24	48	
18	39	60	65	41	24	32	28	17	32	39	13	15	28	24	17	43	30	22	43	37	37	9	9	6	30	
19	6	11	19	22	17	22	11	22	32	37	39	17	39	24	58	26	41	39	54	60	22	28	28	17	29	
20	15	22	34	15	26	37	39	43	54	47	43	75	30	32	108	92	77	101	41	32	37	17	11	28	44	
21	11	9	15	45	77	187	125	230	163	114	92	108	181	187	256	260	288	92	269	660	73	90	71	60	128	
22	45	84	125	86	43	103	52	43	116	52	52	118	45	30	37	39	30	116	65	13	49	82	41	45	63	
23	58	28	84	39	54	43	107	105	32	62	65	32	32	39	24	39	88	34	28	47	69	30	32	30	50	
24	32	43	22	13	13	13	30	27	24	28	9	17	28	28	19	54	118	90	67	84	58	37	95	88	43	
25	41	62	30	88	49	88	32	30	75	41	157	166	71	84	49	32	65	32	37	45	43	26	30	34	59	
26	37	26	22	52	146	73	43	26	32	52	19	62	95	32	47	45	95	39	99	39	49	13	15	43	50	
27	41	9	41	34	47	52	41	62	54	47	82	47	52	32	71	41	26	62	45	99	73	69	43	71	52	
28	90	84	39	58	174	144	62	56	34	95	34	30	39	43	155	24	30	34	28	24	39	11	11	13	56	
29	30	24	4	9	62	47	15	30	19	17	45	52	34	28	28	43	19	22	69	54	19	6	36	24	31	
30	26	30	15	49	45	22	22	11	11	34	28	24	13	13	17	19	17	19	30	86	39	32	49	34	29	
31																										
Mean	48	68	54	49	54	60	59	55	48	57	55	60	48	62	60	58	66	60	68	57	53	46	45	49	56	

Table 39 Resolute Bay

Hourly Ranges in gammas

December 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	115	102	128	316	141	85	77	110	51	34	83	94	85	50	42	67	125	119	56	107	85	64	56	56	94
2	43	77	38	30	60	62	30	56	62	56	26	43	205	106	179	139	77	64	85	81	51	38	38	38	70
3	38	26	32	77	81	51	21	26	26	107	43	30	21	21	30	38	60	26	30	47	32	21	24	13	58
4	17	21	15	26	21	17	26	19	34	24	21	34	56	34	34	30	60	75	30	56	21	17	17	13	30
5	17	21	17	24	64	38	32	26	17	17	34	64	64	43	34	71	56	51	43	88	17	30	21	17	37
6	21	17	30	19	38	32	38	38	26	43	30	166	187	64	56	43	38	30	43	60	30	21	13	26	46
7	30	21	21	56	43	56	43	34	30	17	43	26	47	47	51	38	60	43	183	75	34	60	24	51	47
8	66	34	43	96	64	60	119	73	60	43	38	32	26	31	47	51	26	47	56	47	43	30	21	56	50
9	41	64	43	30	43	56	56	60	34	85	47	47	56	68	81	77	128	64	81	68	43	34	26	21	56
10	38	68	38	26	19	32	30	34	32	43	41	38	34	47	54	38	73	38	43	47	21	17	13	21	37
11	26	13	34	34	24	34	38	34	90	38	41	24	47	38	17	51	119	45	21	38	66	30	24	56	41
12	24	38	30	26	21	34	30	28	43	43	64	111	21	21	64	64	51	47	34	94	60	77	26	32	45
13	32	38	43	43	47	21	21	32	30	21	26	56	30	43	15	13	21	17	17	17	19	11	15	15	26
14	26	17	30	21	17	15	21	17	17	41	30	34	24	26	21	30	30	34	56	34	34	26	21	21	27
15	30	34	26	26	43	17	43	38	56	34	38	43	45	64	64	88	47	34	43	68	38	26	36	56	43
16	45	13	30	13	32	26	45	47	43	43	38	149	77	32	41	30	16	26	56	26	47	21	13	11	38
17	17	17	13	21	13	24	13	17	26	19	11	15	13	19	21	17	13	43	26	21	13	13	21	21	19
18	13	21	36	36	64	38	30	77	34	62	114	34	26	56	47	34	27	73	77	64	26	34	30	38	45
19	38	68	38	73	32	51	43	38	38	43	85	47	43	85	56	60	64	64	58	51	32	26	34	34	50
20	47	85	56	107	98	47	38	34	26	43	38	68	60	30	47	85	38	128	124	149	64	43	56	56	65
21	141	30	111	60	45	51	26	21	30	94	43	21	38	77	77	90	81	115	64	56	60	36	43	47	61
22	85	81	56	64	38	34	43	51	43	102	43	51	43	43	38	60	60	75	33	29	42	33	33	67	52
23	58	42	46	33	33	54	42	42	46	42	25	75	40	67	40	130	50	47	38	51	28	26	21	34	46
24	43	34	40	40	42	21	21	17	25	50	42	42	42	54	75	42	82	50	66	33	42	33	43	64	43
25	77	43	47	56	19	17	17	13	26	13	68	26	17	30	32	17	26	26	43	30	64	43	38	28	34
26	94	85	47	21	60	64	77	47	47	21	17	21	98	77	26	43	47	117	21	64	45	34	13	17	46
27	43	43	30	111	119	85	64	107	111	51	34	232	87	26	81	100	137	85	43	64	121	51	32	43	79
28	47	17	30	13	47	34	26	15	38	26	171	175	68	85	111	43	98	47	60	60	17	21	47	43	56
29	26	107	60	81	17	43	26	26	43	60	85	47	34	64	28	141	75	165	92	56	77	56	21	28	61
30	26	32	21	30	77	85	17	21	21	15	30	85	26	56	73	77	47	153	77	149	68	30	30	15	53
31	43	56	21	68	34	43	64	43	77	45	34	56	77	88	68	60	85	43	56	30	28	19	20	30	50
Mean	45	44	40	54	48	43	39	40	41	44	48	64	56	51	53	60	62	60	57	60	44	33	28	34	48

Table 40 Resolute Bay Hourly Ranges in gammas January 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	28	28	13	30	15	17	28	30	19	21	34	17	28	34	36	24	30	10	30	21	13	27	13	9	23	
2	9	8	9	2	9	9	21	21	20	28	43	45	38	30	26	56	58	34	26	47	26	17	17	9	25	
3	17	15	17	13	38	30	17	30	38	26	19	13	13	13	21	17	17	17	13	60	17	15	13	15	21	
4	6	4	6	13	4	28	17	17	11	13	9	17	9	13	17	39	26	13	17	9	6	6	13	13	14	
5	4	9	9	6	6	4	6	9	9	17	13	15	17	23	19	13	30	13	68	38	38	21	17	13	17	
6	11	17	4	34	13	17	17	17	21	26	34	38	26	13	17	6	6	9	4	9	9	9	9	9	16	
7	13	30	64	38	21	13	34	21	13	17	13	21	26	30	28	26	49	73	21	15	21	43	38	26	29	
8	21	47	19	13	43	17	34	19	56	34	34	34	21	13	30	54	107	68	104	34	47	30	21	19	38	
9	30	26	17	102	26	26	34	43	43	81	64	26	73	38	21	32	34	34	30	47	26	26	26	15	38	
10	15	17	6	11	13	9	15	17	21	51	34	13	34	26	53	43	38	17	30	34	21	11	13	13	23	
11	13	9	4	9	13	19	11	19	17	13	21	19	15	13	9	17	9	9	21	21	15	6	6	9	13	
12	4	9	11	19	13	13	11	13	13	13	21	17	34	21	26	21	38	43	49	17	17	17	21	21	20	
13	26	9	17	13	26	11	15	11	13	23	17	38	34	17	38	56	26	38	51	47	56	17	13	26	27	
14	17	15	26	17	17	11	6	7	9	17	11	13	11	9	11	13	56	56	34	34	23	13	17	40	20	
15	30	30	38	21	15	13	47	56	85	34	34	51	13	34	70	64	75	19	21	56	34	38	74	64	42	
16	9	28	38	30	64	56	38	30	43	17	28	15	6	13	9	17	26	21	85	47	38	34	17	13	30	
17	21	21	45	38	23	21	19	21	28	21	73	28	15	43	47	51	21	30	85	17	17	11	21	17	31	
18	21	34	38	42	30	21	47	30	13	51	30	34	124	77	115	81	64	43	124	167	30	47	38	43	56	
19	81	94	60	26	77	48	9	38	21	17	21	17	17	38	64	102	147	60	128	64	52	98	43	51	57	
20	32	64	77	102	38	60	107	38	68	30	111	85	87	79	30	47	107	77	68	21	26	28	15	11	59	
21	21	17	30	77	68	60	47	30	51	36	38	64	45	45	85	68	149	64	64	68	15	15	26	17	50	
22	28	38	34	26	15	34	21	47	85	43	60	128	90	28	26	109	68	94	104	36	28	40	40	34	52	
23	34	45	64	56	34	19	13	17	13	15	21	17	21	23	26	34	34	94	61	34	17	21	26	21	32	
24	30	60	21	26	47	26	34	88	64	26	28	94	107	111	60	30	51	77	56	34	38	28	17	32	49	
25	34	56	56	30	145	132	38	17	30	30	141	94	107	81	60	64	68	51	64	43	21	21	21	43	60	
26	38	38	26	30	27	15	23	40	13	43	34	38	153	124	115	107	107	85	66	73	30	34	40	64	57	
27	26	51	43	13	21	34	19	47	28	26	47	21	30	45	73	47	64	85	56	43	21	26	26	34	39	
28	51	26	51	13	17	26	21	11	21	56	45	30	39	51	53	75	85	77	30	30	56	17	13	56	40	
29	85	85	53	28	47	17	9	17	17	17	28	43	30	47	28	43	28	45	45	34	38	43	28	30	37	
30	11	17	15	38	26	45	11	9	19	15	13	11	11	15	15	26	17	21	9	17	11	11	11	7	17	
31	17	17	49	30	17	13	21	17	9	19	7	13	11	11	21	17	13	13	28	13	9	4	7	9	16	
Mean	25	31	31	31	31	28	26	26	29	28	36	36	41	37	40	45	53	45	51	40	26	25	23	25	34	

Table 41 Resolute Bay

Hourly Ranges in gammas

February 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	13	13	9	13	13	7	4	9	9	13	4	4	7	11	19	9	13	30	38	51	34	17	9	9	15	
2	21	9	9	9	9	17	9	9	11	7	4	4	2	13	9	9	13	9	26	30	13	9	4	4	11	
3	9	13	21	11	9	7	7	15	9	64	81	17	38	124	124	36	64	192	30	28	34	23	23	15	41	
4	9	7	15	17	13	15	38	30	21	17	17	17	26	68	141	73	38	38	102	68	85	81	107	62	46	
5	47	43	38	141	47	87	51	34	49	39	34	17	13	13	15	26	21	43	28	45	43	43	13	34	40	
6	38	30	11	17	15	17	39	47	113	77	34	17	17	43	149	105	98	34	107	111	32	51	21	30	52	
7	38	26	21	26	17	60	58	17	17	17	13	19	21	23	21	30	68	77	45	132	21	34	43	34	37	
8	13	21	38	26	21	13	15	11	9	21	9	13	13	49	56	60	51	92	26	68	34	17	28	28	30	
9	13	21	26	26	13	41	49	17	15	7	24	30	17	21	17	73	36	21	19	34	26	15	9	13	24	
10	15	13	11	9	17	4	7	11	15	9	7	4	2	6	9	13	15	32	15	47	38	26	17	19	15	
11	17	30	21	17	9	26	26	6	11	15	77	21	21	30	13	34	43	19	26	30	32	28	9	28	25	
12	11	17	17	11	15	21	17	6	9	9	9	11	9	15	13	13	32	36	15	43	26	17	15	9	16	
13	9	13	17	13	21	13	21	47	64	73	81	91	78	47	43	49	98	104	90	90	38	30	52	47	51	
14	43	21	30	23	21	13	21	23	19	21	15	21	17	26	28	30	30	56	86	104	119	43	21	23	36	
15	21	28	68	21	26	34	43	26	26	30	43	39	73	28	38	26	34	111	77	39	64	39	43	21	42	
16	86	94	60	34	36	30	30	32	60	86	102	107	38	83	98	73	39	75	107	34	43	26	21	26	59	
17	30	7	7	9	19	15	21	30	30	94	56	47	115	75	183	47	49	107	132	68	136	100	81	38	62	
18	190	126	136	64	64	60	96	64	43	45	224	171	60	137	94	69	85	68	91	82	64	41	26	85	91	
19	82	30	60	17	13	39	17	19	66	34	34	78	183	107	77	81	47	62	51	74	64	43	47	52	57	
20	39	56	83	48	38	51	30	43	56	58	43	100	77	75	141	90	113	167	111	132	56	56	39	90	75	
21	77	47	32	36	53	43	51	60	43	52	56	34	73	85	104	120	73	128	122	64	113	64	47	47	68	
22	36	28	43	38	85	49	30	47	23	49	47	17	36	26	60	39	56	145	64	96	98	58	56	51	53	
23	66	43	11	43	24	43	30	41	30	26	43	11	56	47	45	62	56	64	68	83	83	25	17	50	44	
24	46	17	8	42	42	25	42	33	17	17	8	8	8	17	42	8	17	33	33	26	13	15	8	8	22	
25	9	7	7	9	4	7	11	13	11	13	21	9	9	11	7	4	21	42	47	34	28	26	26	21	17	
26	11	13	11	9	11	9	9	4	11	6	6	9	9	13	21	19	43	60	49	34	77	21	15	17	20	
27	32	13	13	30	30	38	17	15	11	11	15	15	26	15	26	68	43	21	51	60	21	34	17	30	27	
28	17	15	13	26	11	13	34	13	30	34	30	79	49	43	47	43	43	107	102	34	43	47	43	38	40	
29																										
30																										
31																										
Mean	37	29	30	28	25	28	29	26	30	34	41	36	39	45	59	47	48	70	63	62	53	37	31	34	40	

Table 42 Resolute Bay

Hourly Ranges in gammas

March 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	28	13	27	26	45	41	4	30	9	15	13	22	65	47	34	9	17	24	60	65	56	37	34	17	31	
2	24	22	26	17	43	39	19	58	19	9	11	9	11	9	20	17	17	11	33	34	28	32	17	13	24	
3	17	8	17	17	17	17	8	4	8	17	8	8	17	17	12	17	17	28	17	42	50	33	17	4	17	
4	9	9	4	9	9	9	9	9	9	4	17	17	21	24	17	17	33	17	17	17	17	9	9	12	14	
5	9	17	30	26	34	26	11	15	13	17	9	13	7	7	9	11	26	50	65	77	73	77	26	43	29	
6	26	13	112	120	15	39	56	52	41	52	32	30	164	112	32	30	60	86	130	34	17	43	13	13	55	
7	13	9	9	4	9	7	4	7	9	9	9	11	26	13	22	33	34	17	20	47	67	65	22	13	20	
8	9	39	22	11	15	20	11	11	15	9	13	22	13	15	15	39	17	26	24	43	43	17	30	26	21	
9	28	34	20	28	13	17	13	30	34	22	22	13	9	41	34	52	60	129	107	107	120	65	39	67	46	
10	63	86	45	65	56	41	22	17	86	73	112	138	112	69	65	26	65	185	212	147	151	22	26	17	79	
11	22	22	9	11	15	22	22	22	9	32	13	28	26	30	30	34	52	99	198	194	34	34	22	43	43	
12	34	30	15	11	11	17	17	11	13	20	24	13	9	24	17	20	15	84	43	65	82	69	37	45	30	
13	39	56	20	26	13	9	22	39	37	41	22	28	26	14	43	56	138	99	65	152	73	43	22	56	47	
14	99	60	151	142	116	60	34	65	107	77	65	86	60	52	47	52	86	116	152	116	121	60	52	43	84	
15	47	26	77	60	82	107	47	34	39	65	52	102	60	56	65	107	69	107	56	181	159	125	109	43	78	
16	99	47	47	86	103	43	17	56	39	60	17	77	82	34	30	86	34	39	116	34	95	52	26	22	56	
17	26	43	50	30	17	52	60	56	65	73	43	17	56	47	47	56	32	82	99	78	61	65	56	51	53	
18	43	26	30	17	34	13	13	30	17	9	11	11	56	52	73	90	78	69	134	182	139	169	34	34	57	
19	22	22	13	60	30	100	90	39	99	43	34	52	50	116	67	233	183	100	83	83	100	50	50	50	74	
20	30	39	17	26	43	30	30	22	43	47	39	39	43	39	99	117	86	108	67	76	100	50	22	30	52	
21	65	52	57	26	43	22	24	24	26	56	30	32	22	39	65	56	204	151	138	103	159	43	34	56	64	
22	22	86	82	60	52	69	43	86	71	43	32	56	26	47	30	34	56	60	47	71	77	41	13	17	51	
23	34	22	26	43	52	73	82	39	60	22	34	20	34	138	100	77	69	151	86	142	146	60	30	24	65	
24	22	34	26	30	39	32	30	13	17	13	99	39	39	47	80	105	60	99	121	47	90	39	39	30	50	
25	17	13	17	13	22	17	13	13	13	13	22	17	30	47	34	39	34	41	52	95	65	69	28	22	31	
26	26	9	26	39	47	26	26	17	39	30	34	22	30	26	9	17	34	52	30	47	47	75	56	22	33	
27	28	13	22	9	34	17	17	22	52	26	30	30	56	56	45	214	133	191	310	86	378	95	56	30	81	
28	13	86	56	43	56	34	60	34	17	60	56	30	30	39	39	60	30	24	62	151	107	65	26	9	49	
29	13	15	9	9	11	17	17	17	13	22	39	26	52	20	24	43	75	77	99	120	39	22	22	13	34	
30	11	26	56	86	129	22	30	39	56	20	20	26	17	30	47	30	30	22	120	39	39	60	30	13	42	
31	9	9	7	13	11	13	11	9	13	13	15	15	17	22	26	99	65	65	65	285	139	104	56	103	49	
Mean	31	32	36	38	39	34	28	30	35	33	32	34	41	43	41	61	62	78	91	95	93	58	34	32	47	

Table 43 Resolute Bay

Hourly Ranges in gammas

April 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	82	82	73	129	39	13	19	22	30	26	61	47	22	26	17	52	43	103	95	99	120	118	58	63	60	
2	73	30	15	19	60	22	30	34	52	17	34	43	22	13	30	34	56	86	77	90	56	22	47	80	43	
3	39	30	39	77	34	86	22	24	67	26	26	40	32	34	77	99	47	47	43	95	43	43	34	30	47	
4	65	43	34	19	22	22	13	30	11	15	9	19	22	22	15	13	17	43	129	26	41	34	26	30	30	
5	22	13	22	56	77	34	9	13	22	15	30	30	17	11	30	22	17	90	99	34	30	26	13	9	31	
6	34	17	15	26	9	22	13	13	11	15	9	17	17	34	13	39	47	52	82	86	56	39	47	86	33	
7	90	82	47	34	39	11	17	17	13	30	32	26	17	30	17	17	52	34	95	60	65	43	60	52	41	
8	30	30	22	17	9	22	13	22	15	26	73	32	22	26	22	22	60	74	39	142	174	56	47	30	43	
9	43	13	26	22	39	52	17	43	41	95	95	60	60	73	30	22	22	73	133	142	116	73	30	47	56	
10	30	77	60	22	52	30	52	39	60	107	129	30	30	39	69	103	116	77	116	107	215	71	56	43	72	
11	52	65	86	60	43	60	43	30	17	99	30	52	65	63	43	39	73	133	185	146	228	123	65	34	76	
12	24	13	13	22	11	32	45	41	22	30	17	56	71	26	69	86	22	159	176	107	288	60	28	22	60	
13	22	28	34	22	26	26	30	24	30	26	26	13	22	43	159	166	174	112	356	123	224	129	56	60	80	
14	56	73	22	52	22	54	26	43	52	107	54	112	90	60	138	64	133	100	133	183	129	86	67	107	82	
15	214	97	95	138	138	56	103	133	32	60	43	41	26	77	75	50	112	236	116	194	125	204	92	69	105	
16	60	50	56	30	34	22	26	22	26	43	90	47	69	60	50	107	73	185	232	159	95	86	47	34	71	
17	26	22	22	20	30	22	22	34	28	15	28	34	43	43	39	26	13	26	56	86	56	22	26	13	31	
18	15	17	9	17	17	22	15	26	52	22	22	22	52	26	22	19	26	30	26	47	82	54	26	34	29	
19	26	24	17	26	17	9	26	17	30	22	17	30	56	11	22	39	82	82	168	151	219	112	60	60	55	
20	39	30	56	17	36	13	9	43	39	22	13	60	30	13	24	34	13	17	86	82	54	36	20	34	34	
21	22	13	13	11	11	9	4	11	13	6	13	9	30	17	22	24	26	39	65	120	32	47	9	11	24	
22	17	9	15	6	6	6	4	13	13	13	34	69	30	24	43	47	75	73	82	86	52	65	52	39	36	
23	30	26	17	22	17	26	22	9	30	34	22	47	56	22	47	43	82	107	162	120	47	120	62	52	51	
24	56	30	107	107	52	22	11	6	39	30	26	41	39	22	86	22	62	77	39	107	86	99	47	50	53	
25	22	82	116	30	19	26	22	26	22	13	11	22	37	34	17	34	86	54	17	84	80	47	36	41	41	
26	13	22	47	30	17	32	52	39	17	11	17	26	47	52	202	39	67	69	219	249	112	146	60	30	67	
27	32	30	22	90	32	69	43	56	15	43	24	45	80	185	17	56	114	45	62	67	69	87	45	49	57	
28	39	32	47	47	56	47	91	28	9	22	30	49	28	28	19	7	36	60	69	54	105	26	32	43	42	
29	49	22	9	4	13	28	11	6	11	22	34	22	24	11	11	45	43	54	52	129	65	52	22	75	34	
30	39	15	9	34	15	60	19	13	15	17	28	13	28	71	54	24	82	209	69	295	91	30	52	49	55	
31																										
Mean	45	37	39	40	33	32	28	29	28	34	36	38	39	40	49	46	62	85	109	116	105	72	44	46	51	

Table 44 Resolute Bay Hourly Ranges in gammas May 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	52	84	95	49	65	54	45	22	26	34	105	28	62	28	26	65	99	125	47	101	82	52	60	107	63
2	75	47	142	163	47	15	30	26	52	30	26	49	52	34	26	24	69	22	47	101	60	68	22	13	52
3	17	9	6	13	13	9	9	15	13	17	13	24	26	19	13	11	19	30	138	146	75	32	15	4	29
4	6	6	4	9	11	9	9	13	15	17	32	17	28	13	6	19	30	86	65	65	71	52	95	129	34
5	86	24	49	15	47	17	26	28	26	24	63	69	60	36	56	69	167	309	401	417	267	103	58	60	103
6	30	155	39	86	151	90	159	82	99	90	159	54	90	252	168	82	77	95	288	340	215	129	90	77	129
7	103	97	43	52	60	30	69	65	67	49	77	45	56	65	131	90	95	112	325	396	224	267	129	90	114
8	24	30	58	41	34	47	26	28	39	56	47	28	26	45	43	58	116	75	87	170	142	120	71	56	61
9	22	22	65	30	65	30	43	82	45	83	39	45	28	26	92	77	114	131	58	151	34	52	43	56	60
10	34	47	13	9	15	19	13	19	15	32	65	58	60	26	95	52	17	47	56	112	258	230	191	135	67
11	131	120	67	52	47	73	56	32	129	49	56	77	129	60	120	116	262	280	224	166	219	163	135	90	119
12	73	146	65	54	86	69	67	77	56	45	54	47	69	36	54	90	79	254	112	168	280	155	163	84	99
13	157	99	39	103	112	82	39	65	41	54	56	99	39	82	45	116	75	82	206	116	67	185	82	88	89
14	54	138	86	82	92	47	24	26	45	45	67	56	49	30	90	17	82	125	129	39	105	58	43	34	65
15	11	9	19	13	13	17	26	9	30	17	41	17	17	22	60	56	15	30	43	56	49	82	54	45	31
16	138	215	86	52	67	129	135	65	107	54	73	54	82	112	142	118	213	103	127	348	378	109	39	54	125
17	26	56	43	28	41	41	19	30	47	34	24	52	138	49	90	56	65	103	86	97	107	103	84	24	60
18	67	28	17	15	19	11	15	22	19	19	15	28	34	15	13	28	26	56	65	135	47	58	32	22	34
19	15	47	49	22	15	39	24	24	28	60	28	49	47	39	36	43	86	107	103	99	69	73	26	116	52
20	107	69	148	39	77	56	69	39	36	19	41	56	56	45	49	56	77	92	22	26	62	30	11	30	55
21	39	22	28	45	11	19	26	13	13	4	22	56	41	19	22	17	107	34	79	73	99	56	15	19	37
22	28	109	99	43	69	22	28	26	11	41	47	58	65	45	86	99	125	101	221	107	157	73	65	47	74
23	28	26	15	73	105	32	52	54	39	65	49	86	65	77	60	159	138	86	155	123	232	148	112	79	86
24	47	149	67	26	56	49	19	15	34	41	49	32	58	77	90	92	60	149	219	258	125	92	56	52	80
25	56	112	138	99	142	178	200	32	77	26	17	63	65	47	47	54	43	81	71	133	69	36	49	79	80
26	120	88	65	43	19	30	13	43	26	30	19	58	69	47	49	28	45	56	58	69	107	54	30	19	49
27	47	26	13	49	45	32	24	34	11	32	22	45	15	36	49	30	39	69	30	26	54	26	39	34	34
28	17	30	17	17	13	11	11	41	13	26	24	54	39	60	43	34	65	36	84	95	224	71	62	24	46
29	17	32	17	36	60	49	28	34	22	30	15	26	17	17	19	11	13	32	269	77	88	56	39	22	43
30	39	17	30	34	19	30	28	32	54	22	34	39	69	77	75	60	95	284	264	155	135	95	118	26	76
31	41	73	73	52	82	82	43	30	30	52	77	95	77	103	118	125	168	245	191	323	228	172	191	107	116
Mean	55	69	55	47	55	46	44	36	41	39	47	50	56	53	65	63	86	111	138	151	140	97	72	59	70

Table 45 Resolute Bay

Hourly Ranges in gammas

June 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	86	125	50	33	69	67	32	43	42	73	116	72	129	41	138	181	202	254	305	645	331	129	95	120	141	
2	325	112	62	41	71	24	52	95	114	90	--	--	--	--	--	--	--	--	439	393	226	146	76	83	--	
3	73	60	95	52	45	65	112	28	26	52	58	39	49	62	65	47	69	62	129	237	107	56	60	26	70	
4	47	41	43	75	60	58	32	52	60	58	77	22	99	58	58	34	56	75	85	65	69	92	39	56	59	
5	52	34	73	26	65	47	24	34	84	34	125	58	22	30	15	26	60	155	116	79	95	109	86	36	62	
6	43	36	47	56	32	47	24	28	67	73	26	45	90	163	82	47	99	174	428	748	331	264	236	58	135	
7	86	45	30	28	39	86	43	77	187	75	116	75	125	28	69	105	271	264	194	237	305	355	99	140	128	
8	116	97	52	81	58	73	73	47	97	75	86	146	101	67	129	84	163	153	288	305	159	157	82	34	113	
9	30	28	30	28	19	11	15	26	67	52	41	69	49	54	116	41	105	159	310	77	142	56	39	30	66	
10	26	26	17	22	11	19	30	22	52	34	22	47	56	62	30	54	49	133	73	116	131	77	65	58	51	
11	30	34	22	11	19	19	52	22	34	22	34	24	60	45	24	34	28	73	114	151	92	60	30	49	45	
12	19	36	28	26	52	69	135	32	34	30	56	43	30	56	90	73	116	105	101	125	84	79	15	30	61	
13	17	26	19	17	28	15	17	22	9	22	13	17	39	52	45	24	36	32	15	39	112	56	56	39	32	
14	24	39	13	9	13	6	9	15	28	19	19	17	19	36	28	36	30	52	67	67	47	103	49	52	33	
15	58	28	65	52	30	26	32	34	56	43	49	86	140	86	34	116	90	129	172	129	32	60	43	36	68	
16	105	60	120	30	32	26	13	17	13	17	28	30	54	47	69	47	99	172	163	155	109	56	54	34	65	
17	15	41	17	49	45	47	26	15	9	30	65	101	54	22	28	26	52	125	77	47	41	24	43	22	43	
18	24	26	39	17	34	39	26	9	24	73	45	54	26	52	49	43	99	318	116	181	120	144	58	75	70	
19	71	65	99	73	30	62	26	13	39	28	73	69	26	17	22	17	47	49	65	131	56	67	47	26	51	
20	62	69	71	34	47	32	36	82	58	34	62	22	13	11	24	24	32	65	107	258	129	112	75	84	64	
21	123	103	99	60	60	60	45	39	107	129	84	129	148	65	88	62	107	52	65	71	133	112	120	245	96	
22	118	52	75	99	85	52	45	47	65	95	--	--	88	56	99	125	58	86	170	191	185	151	41	79	94	
23	77	75	56	30	19	32	13	24	65	39	36	22	34	75	43	116	103	86	112	163	267	159	60	47	73	
24	58	65	47	22	45	17	32	17	26	22	52	26	30	71	32	39	60	77	241	327	159	155	65	56	73	
25	30	73	54	24	52	26	22	24	26	45	79	56	47	99	62	62	69	60	56	116	264	333	206	140	84	
26	34	52	65	24	19	30	17	15	11	19	28	43	52	17	97	73	116	60	327	245	107	103	43	43	68	
27	13	34	28	84	41	41	24	71	49	49	60	97	65	41	43	103	65	138	92	82	101	86	17	30	61	
28	22	17	15	24	17	17	19	13	52	77	62	15	34	65	24	17	62	62	47	88	101	86	112	52	46	
29	62	65	120	159	39	150	62	112	86	112	69	52	49	39	52	34	15	185	232	221	107	95	56	19	91	
30	34	30	39	22	15	26	22	9	19	28	19	15	43	26	15	19	15	43	133	90	99	49	22	34	36	
31																										
Mean	53	51	53	44	39	44	36	34	51	50	57	53	61	53	58	59	82	117	152	186	138	117	69	60	72	

Table 46 Resolute Bay

Hourly Ranges in gammas

July 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	39	43	56	37	22	34	22	39	43	24	43	159	54	82	45	43	86	54	163	90	73	75	34	30	58	
2	17	13	39	43	34	45	47	34	26	65	56	65	50	22	39	76	120	258	254	333	434	176	181	52	103	
3	68	34	17	26	15	32	90	60	82	65	56	73	73	82	32	69	103	254	280	275	198	131	60	45	92	
4	43	30	47	17	39	34	60	39	52	30	75	56	47	52	54	116	146	211	172	236	86	120	95	125	83	
5	125	185	77	151	103	60	52	65	95	73	86	185	146	140	183	214	120	82	250	352	219	97	133	54	135	
6	41	90	32	138	146	56	65	67	56	52	47	86	43	34	65	129	138	146	434	301	439	310	88	88	129	
7	73	73	133	73	77	65	45	65	52	52	107	90	82	140	88	60	151	189	172	116	248	86	86	34	98	
8	69	52	82	54	69	47	56	43	82	56	73	32	129	52	103	155	172	103	82	366	82	219	151	73	100	
9	86	52	73	41	47	34	129	107	73	95	43	34	67	56	97	47	112	104	282	86	73	95	151	47	85	
10	43	56	39	60	116	82	60	125	112	116	52	125	34	65	125	82	129	280	189	314	258	103	103	69	114	
11	77	43	67	86	34	43	30	34	75	39	86	50	34	65	30	86	90	185	138	125	120	181	86	45	77	
12	60	97	82	37	86	43	49	26	45	112	95	34	26	26	47	30	30	120	159	147	142	82	30	13	67	
13	22	34	28	22	19	34	22	49	11	82	47	340	933	357	400	842	647	458	233	242	366	192	225	225	247	
14	138	116	335	181	129	159	142	202	331	318	232	151	116	206	153	228	146	86	129	204	67	164	174	105	176	
15	47	52	56	34	54	47	73	39	30	67	39	52	82	95	159	107	77	120	112	292	77	146	176	65	87	
16	202	95	112	52	60	47	47	75	47	30	30	30	73	47	164	65	133	133	77	120	159	125	47	34	84	
17	65	34	69	77	73	52	43	52	43	37	65	65	43	73	56	82	56	194	162	219	219	159	116	142	92	
18	176	147	90	69	107	151	182	47	155	69	146	318	412	112	155	202	142	164	215	90	142	120	47	77	147	
19	189	73	26	56	129	30	47	17	22	34	34	30	43	77	34	86	155	179	228	56	77	112	116	30	78	
20	56	107	67	86	129	189	73	166	138	107	30	65	39	47	47	103	116	302	189	185	193	172	129	155	120	
21	43	86	79	151	90	112	30	107	116	82	39	52	39	69	82	99	39	97	65	43	120	159	65	52	80	
22	77	75	164	47	69	77	54	52	52	107	26	107	43	90	146	129	52	125	82	174	284	52	56	43	91	
23	60	34	52	25	33	17	17	25	25	42	50	50	40	100	50	100	116	190	133	76	83	83	66	33	63	
24	99	39	56	73	39	43	82	47	30	45	112	39	99	26	69	45	107	34	129	73	54	84	112	142	70	
25	54	185	112	41	24	95	26	43	75	47	77	69	116	103	77	86	90	118	168	364	388	116	22	30	105	
26	116	142	43	142	164	60	47	56	30	69	39	56	43	47	52	20	30	60	77	360	673	688	236	331	149	
27	282	228	133	75	116	84	129	209	421	215	116	138	168	194	140	65	159	88	159	288	266	146	116	64	167	
28	86	120	65	73	67	77	90	30	60	65	82	41	56	65	47	142	125	120	159	129	107	219	54	86	90	
29	25	33	33	33	50	67	50	83	33	59	33	33	33	59	25	33	83	33	83	83	50	50	33	17	46	
30	25	25	45	41	30	30	30	26	45	60	34	43	28	30	34	34	65	50	77	73	99	52	69	43	45	
31	30	17	22	22	30	15	22	30	28	11	24	43	54	86	47	17	56	73	56	34	73	47	52	45	39	
Mean	82	78	75	67	71	63	62	66	80	75	67	87	105	87	92	119	122	149	165	189	189	147	107	77	101	

Table 47 Resolute Bay

Hourly Ranges in gammas

August 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	26	45	58	65	34	9	28	15	41	19	17	49	43	37	37	30	17	58	105	58	60	39	60	49	42
2	146	146	97	56	114	114	114	65	90	82	65	97	129	65	49	32	65	97	170	114	105	178	65	73	97
3	97	65	65	92	69	86	49	43	80	47	41	43	112	24	120	54	43	155	133	101	161	107	86	95	82
4	103	54	71	58	26	52	82	56	133	114	142	95	28	65	47	60	105	127	202	271	181	95	65	52	95
5	32	32	65	54	26	43	73	41	30	80	110	73	39	52	77	84	127	39	101	206	163	47	36	60	70
6	47	41	43	63	13	36	13	17	45	47	30	45	60	90	90	43	65	103	172	209	172	86	34	41	67
7	11	22	26	26	15	19	13	19	15	17	34	36	43	47	47	41	41	49	209	207	65	77	43	22	48
8	22	30	43	30	39	52	49	131	80	69	36	138	34	92	56	112	36	30	34	237	65	107	95	30	69
9	26	56	22	26	45	13	17	52	15	15	17	17	58	22	30	15	15	80	65	47	60	69	30	41	36
10	22	13	15	26	22	30	34	26	34	17	34	26	80	86	43	60	32	43	22	75	82	77	52	39	41
11	49	82	69	77	60	39	28	26	19	45	34	65	58	60	86	65	45	39	77	80	67	80	19	36	54
12	15	28	56	26	30	13	30	22	22	15	30	34	13	17	52	17	65	125	202	161	183	101	77	13	56
13	77	19	58	43	26	39	17	45	17	22	32	17	24	17	22	17	24	58	43	52	39	34	22	28	33
14	11	9	9	6	9	15	24	13	17	28	28	41	45	52	52	101	90	88	252	176	204	129	84	28	63
15	30	34	30	39	22	34	47	47	17	17	45	86	77	65	34	77	71	84	99	34	--	--	26	41	--
16	30	22	24	24	65	82	26	13	13	22	17	15	11	34	24	49	34	107	116	54	62	47	19	39	40
17	22	19	13	19	19	17	19	9	17	17	19	30	47	13	22	11	52	45	129	92	30	82	39	13	33
18	13	24	22	11	9	13	17	32	15	32	34	24	49	28	43	86	99	60	34	58	142	133	103	11	46
19	52	34	13	34	58	39	45	30	60	32	43	36	54	71	24	26	82	88	114	56	77	101	90	32	54
20	13	26	13	19	17	13	15	9	28	22	24	65	26	39	101	99	58	41	120	86	69	109	52	17	45
21	24	28	36	26	30	49	22	30	17	11	19	26	41	36	19	28	58	28	24	36	84	34	24	19	31
22	28	15	15	13	9	11	19	6	13	13	19	19	17	17	9	22	24	28	28	36	34	13	19	9	18
23	9	17	19	4	22	11	13	26	22	15	13	39	22	11	19	15	39	49	43	62	54	17	9	4	23
24	9	9	6	13	9	6	9	11	11	17	19	13	13	19	30	28	65	103	275	189	69	73	15	19	43
25	30	43	24	36	65	47	17	32	24	28	47	43	43	109	49	60	43	99	105	183	249	71	26	43	63
26	34	77	41	30	34	39	11	30	22	77	67	39	32	34	13	19	56	22	56	189	52	99	43	34	48
27	73	47	58	30	17	24	26	52	17	28	17	22	24	45	41	65	43	105	133	125	107	62	22	32	51
28	41	41	28	47	15	15	26	9	26	32	30	24	22	30	13	32	28	65	86	101	56	56	17	26	36
29	26	19	22	13	19	9	4	17	13	13	43	43	22	26	15	15	65	146	86	109	305	230	105	116	62
30	77	36	32	52	60	22	22	28	30	43	125	45	172	65	138	77	67	103	202	159	112	60	84	54	78
31	107	69	45	41	43	82	47	75	65	41	52	54	30	43	34	101	194	153	161	107	131	77	49	90	79
Mean	42	39	37	35	34	34	30	33	34	35	41	44	46	45	47	49	59	78	117	121	108	83	49	39	53

Table 48 Resolute Bay

Hourly Ranges in gammas

September 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	56	129	67	52	90	56	52	150	54	62	153	69	22	39	47	69	138	198	56	71	185	133	49	77	86	
2	103	116	52	52	26	30	43	26	36	97	56	41	86	26	34	47	65	56	62	65	65	60	45	65	56	
3	28	28	22	26	84	71	30	43	22	13	71	62	41	56	24	36	80	54	101	172	116	80	36	24	55	
4	56	22	9	13	15	13	26	19	28	26	19	82	30	32	22	22	30	65	69	60	133	99	58	69	42	
5	69	60	65	60	22	30	30	26	22	26	28	32	84	47	58	60	60	99	86	32	60	43	34	28	48	
6	26	36	17	30	41	43	24	9	11	13	26	17	47	17	22	17	22	47	69	108	120	30	26	30	35	
7	11	17	17	22	11	19	17	17	17	19	26	26	6	13	13	13	19	28	26	92	101	43	22	15	25	
8	19	17	13	6	6	9	15	9	15	17	34	17	15	13	13	19	30	69	67	97	34	49	26	15	26	
9	19	22	30	22	15	22	34	43	43	58	56	43	17	19	32	39	60	84	101	97	47	26	28	49	42	
10	34	54	36	19	17	11	11	13	15	13	26	22	22	47	17	22	58	146	92	155	101	30	58	47	44	
11	22	9	17	32	26	26	17	22	15	26	45	24	43	30	32	75	90	82	58	52	108	114	116	30	46	
12	26	54	36	49	36	77	108	133	19	17	39	75	43	34	30	26	56	82	58	54	43	43	43	26	50	
13	22	19	34	28	32	49	34	41	32	19	15	17	28	19	22	58	41	112	77	99	65	73	43	73	44	
14	52	71	36	82	52	65	28	32	71	41	54	32	200	116	142	86	86	49	133	30	84	30	108	90	74	
15	15	11	32	26	26	11	32	9	24	43	34	43	30	39	19	15	13	54	56	34	65	15	13	22	28	
16	15	34	24	15	11	24	17	26	13	13	73	30	26	99	49	26	52	43	82	41	88	45	30	65	39	
17	24	60	39	47	19	34	24	41	32	13	15	52	22	43	22	22	47	28	17	178	110	52	24	26	41	
18	28	41	30	22	47	28	17	19	17	11	22	22	41	41	45	62	47	71	77	71	67	65	24	17	39	
19	9	22	13	19	36	15	15	13	11	9	19	9	13	17	30	13	13	34	56	15	41	39	47	30	22	
20	36	15	13	11	17	34	13	30	26	17	24	22	22	34	32	73	71	39	69	65	47	88	32	19	35	
21	9	17	13	9	11	4	15	9	9	6	15	26	9	17	13	28	19	19	62	49	28	11	13	9	18	
22	19	6	9	11	17	13	22	13	6	19	19	32	62	49	19	45	60	41	56	60	47	13	15	24	28	
23	9	17	11	6	6	4	4	4	9	4	9	9	9	11	22	15	22	69	73	49	41	49	19	13	20	
24	13	26	11	9	11	13	19	26	30	43	215	273	67	174	146	105	110	67	92	133	84	49	49	84	77	
25	88	123	127	65	97	52	101	95	133	84	73	39	127	52	52	95	84	71	65	69	80	43	95	26	81	
26	56	34	67	71	30	49	32	32	75	41	30	60	41	19	47	26	41	47	60	65	58	95	116	69	53	
27	30	56	43	73	73	22	82	84	43	45	41	116	101	34	24	30	22	36	34	112	36	24	15	17	50	
28	17	15	24	17	13	19	13	19	17	19	9	9	9	11	17	32	47	60	65	60	71	19	11	32	26	
29	22	22	36	11	30	26	22	43	34	26	54	26	22	11	19	41	58	32	34	77	56	36	15	34	33	
30	13	11	47	34	41	49	24	26	30	17	28	36	62	43	15	17	30	36	135	69	116	402	507	198	83	
31																										
Mean	31	39	33	31	32	31	31	36	30	29	44	45	45	40	36	41	51	63	70	78	77	63	57	44	45	

Table 49 Resolute Bay

Hourly Ranges in gammas

October 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	<u>267</u>	<u>593</u>	<u>346</u>	<u>378</u>	<u>396</u>	<u>155</u>	<u>166</u>	<u>198</u>	<u>88</u>	<u>163</u>	<u>133</u>	<u>101</u>	219	209	41	65	202	267	115	104	147	65	75	42	189
2	34	38	11	26	15	43	23	20	23	35	25	40	29	30	30	35	49	35	139	36	30	57	30	23	36
3	10	25	25	20	9	11	15	19	19	20	17	30	35	44	37	49	65	65	57	39	27	35	31	21	30
4	17	15	15	13	20	15	10	7	10	8	45	23	29	25	50	50	25	45	95	109	39	57	28	67	34
5	32	10	22	17	20	9	9	12	20	27	9	8	9	25	12	25	30	22	30	49	33	26	7	14	20
6	12	19	16	7	4	5	20	17	10	34	16	43	21	34	29	13	35	39	40	52	30	23	33	18	24
7	40	58	22	31	35	26	40	17	13	10	20	23	20	12	14	28	17	40	25	40	15	18	19	25	25
8	16	21	8	15	20	20	27	22	38	15	38	19	15	16	18	16	71	100	61	27	45	7	15	17	28
9	15	19	16	15	20	15	19	13	4	14	4	15	11	15	20	15	27	17	29	13	13	18	4	4	15
10	7	6	9	13	9	5	5	7	5	6	6	4	5	8	9	15	20	35	63	30	23	11	8	4	13
11	11	13	7	20	17	18	18	20	25	82	48	42	34	25	27	81	23	20	29	82	110	24	69	50	36
12	30	89	46	64	22	47	19	32	68	20	14	15	34	18	89	110	43	64	65	59	42	41	--	--	47
13	--	--	41	23	31	53	25	30	40	37	10	18	9	30	14	28	19	39	109	35	25	20	24	75	33
14	51	27	25	30	17	10	10	23	15	9	<u>21</u>	<u>17</u>	<u>17</u>	<u>17</u>	<u>25</u>	<u>29</u>	<u>33</u>	<u>41</u>	<u>25</u>	<u>17</u>	<u>12</u>	<u>17</u>	<u>17</u>	<u>17</u>	22
15	4	14	10	7	5	10	7	10	21	16	23	10	6	12	22	20	30	35	32	30	48	20	9	18	17
16	5	5	4	5	5	10	5	6	5	5	7	3	5	5	7	8	9	10	19	20	15	13	5	9	8
17	7	4	5	7	7	9	5	4	3	5	2	3	10	5	4	8	10	21	16	10	20	20	13	9	9
18	13	9	5	6	9	20	10	7	9	5	8	3	14	10	16	12	21	23	26	50	16	8	18	13	14
19	9	11	55	14	23	21	11	9	12	7	8	9	10	14	<u>33</u>	<u>17</u>	<u>25</u>	<u>29</u>	<u>17</u>	<u>58</u>	<u>42</u>	<u>25</u>	<u>33</u>	<u>25</u>	22
20	101	47	24	18	30	49	53	65	22	37	28	9	6	8	9	13	45	88	24	54	15	18	5	16	33
21	<u>17</u>	<u>27</u>	<u>9</u>	<u>11</u>	<u>12</u>	8	8	8	8	8	<u>17</u>	<u>17</u>	<u>17</u>	<u>25</u>	<u>33</u>	<u>42</u>	<u>17</u>	<u>25</u>	<u>29</u>	<u>42</u>	<u>38</u>	36	16	47	22
22	40	13	17	16	10	15	18	15	7	13	35	15	14	49	21	20	89	38	30	45	23	26	23	10	25
23	8	16	10	8	17	7	8	11	16	10	10	8	6	8	16	35	30	50	85	70	35	33	10	11	22
24	26	34	25	10	51	41	38	20	40	17	20	13	35	19	21	28	23	15	15	30	22	16	8	19	24
25	21	34	11	5	10	5	4	3	19	11	15	9	46	64	19	36	38	36	37	75	59	19	35	45	27
26	24	25	26	15	29	63	68	39	105	39	46	29	54	50	27	58	106	25	39	84	66	40	59	30	48
27	54	83	65	164	55	37	72	31	38	108	86	45	35	30	26	69	27	41	40	44	60	54	29	39	56
28	31	16	15	22	26	20	10	14	48	100	120	270	189	160	125	155	80	158	87	78	101	144	144	77	91
29	37	49	63	50	122	78	<u>290</u>	125	25	32	40	32	30	10	19	25	38	40	30	35	48	15	21	13	53
30	13	5	8	5	5	10	6	13	25	25	14	29	24	31	40	34	48	26	30	40	29	16	14	13	21
31	9	16	10	13	17	10	37	23	19	19	25	11	10	25	37	35	30	13	17	20	15	31	8	10	19
Mean	32	45	31	34	34	27	34	27	26	30	29	29	32	33	29	37	43	48	47	48	40	31	27	26	34

Values underlined have been interpolated from electrical magnetometer chart

Table 50 Resolute Bay Hourly Ranges in gammas November 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	21	7	6	18	37	31	10	30	18	13	20	29	31	14	33	14	20	25	27	24	20	22	17	13	21	
2	9	21	10	10	5	5	10	10	24	39	15	20	64	58	20	18	24	25	23	19	25	19	11	22	21	
3	10	5	9	12	35	35	15	20	19	8	9	8	15	10	15	16	27	14	28	9	11	6	6	14	15	
4	12	7	8	6	8	7	6	8	9	5	4	4	6	8	15	14	10	24	39	29	16	13	31	31	13	
5	54	45	36	38	15	38	55	29	36	44	21	38	54	120	94	47	60	101	64	83	20	30	59	58	52	
6	52	61	70	66	37	62	52	30	25	90	48	22	15	18	20	21	33	75	39	15	24	25	13	34	39	
7	37	23	25	39	34	73	18	34	81	44	140	79	50	53	108	93	85	98	66	80	75	30	19	21	59	
8	88	175	133	40	45	34	34	33	13	28	15	18	75	61	29	30	40	20	42	52	49	50	24	36	48	
9	35	34	48	30	31	20	23	37	46	32	19	39	33	51	47	50	69	41	45	40	31	10	19	23	36	
10	8	9	18	21	73	76	10	14	11	16	26	25	15	22	23	25	27	68	30	21	20	20	8	8	25	
11	16	9	15	14	10	6	4	9	5	6	25	7	5	5	16	35	27	35	43	18	15	18	33	17	16	
12	46	24	55	22	24	21	23	42	53	18	27	56	48	34	36	47	47	107	24	30	27	35	33	25	38	
13	21	13	20	20	7	17	5	5	5	15	9	9	15	6	12	13	13	26	34	32	38	29	8	10	16	
14	29	25	15	55	99	123	63	43	50	31	31	15	20	17	18	40	50	34	34	31	14	19	14	20	37	
15	15	7	10	9	14	14	5	7	8	14	5	4	6	10	9	9	13	17	20	23	10	7	5	5	10	
16	10	16	8	16	9	19	35	6	14	16	13	6	8	10	13	14	13	15	25	34	22	19	21	30	16	
17	34	55	19	15	19	26	17	16	16	19	26	10	5	54	114	129	89	42	40	58	39	43	55	54	41	
18	94	73	30	28	59	40	86	32	190	135	50	179	80	135	72	39	69	69	48	35	64	25	28	22	70	
19	15	26	45	25	11	40	39	22	25	13	27	40	50	39	11	58	46	59	26	20	15	11	9	9	28	
20	9	17	20	18	27	25	24	15	23	19	21	45	53	55	50	88	48	42	16	29	40	25	21	33	32	
21	24	45	25	16	28	36	21	26	26	8	10	23	14	16	8	36	37	84	23	33	25	10	10	28	26	
22	17	23	5	10	9	7	12	9	7	12	20	17	24	6	18	30	29	25	20	16	9	3	6	7	14	
23	5	6	5	5	7	6	5	5	5	5	4	5	23	12	15	14	7	64	32	20	8	9	10	13	12	
24	9	11	6	9	10	9	4	9	14	15	15	9	9	15	5	7	15	30	25	12	8	14	8	14	12	
25	11	19	20	12	9	10	5	6	32	53	24	12	18	22	7	7	10	14	25	21	10	4	10	8	15	
26	13	8	8	13	10	13	17	14	10	16	20	36	30	19	12	55	57	37	31	18	13	14	19	8	20	
27	14	17	15	7	8	8	9	6	9	11	7	9	15	15	18	40	14	16	49	37	7	5	7	9	15	
28	10	5	6	19	9	13	6	5	6	5	7	6	16	11	21	16	20	14	19	43	13	18	13	7	13	
29	26	9	20	17	16	18	8	8	11	19	14	17	20	10	5	15	33	13	8	27	5	10	6	9	14	
30	6	6	5	8	7	12	7	10	17	9	5	8	9	10	15	17	19	13	28	13	8	4	10	16	11	
31																										
Mean	25	27	24	21	24	28	21	18	27	25	23	26	28	31	29	35	35	42	32	31	29	18	18	20	26	

Table 51 Resolute Bay

Hourly Ranges in gammas

December 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	9	8	4	8	32	25	28	35	42	85	185	84	78	430	452	85	243	119	78	84	95	54	49	76	100
2	48	79	66	30	24	84	214	57	26	73	223	203	65	80	77	76	34	94	54	55	66	30	43	54	77
3	187	63	35	29	45	65	39	71	155	80	51	62	99	59	47	50	84	44	84	35	70	50	25	40	65
4	38	50	40	30	25	16	12	15	31	27	14	41	20	38	48	36	48	58	63	55	24	24	20	21	33
5	13	15	16	24	23	15	18	22	15	10	10	6	5	39	75	97	50	36	75	50	55	17	29	31	31
6	48	14	40	67	40	44	9	9	10	6	9	29	40	76	63	103	76	71	59	54	30	30	14	8	40
7	10	10	35	28	13	9	10	14	6	16	14	95	38	73	20	15	18	27	29	19	8	8	5	9	22
8	6	10	6	8	5	4	7	9	8	7	6	26	8	14	14	26	34	22	15	13	9	6	7	5	12
9	13	8	8	11	9	16	16	11	10	26	17	20	16	15	10	14	22	11	15	30	14	16	13	18	15
10	11	14	8	17	18	8	4	5	4	6	57	23	68	18	34	36	27	47	34	30	32	40	19	20	24
11	21	40	27	31	16	9	16	15	110	90	35	38	19	26	20	25	19	45	29	40	21	23	12	8	31
12	9	11	25	36	20	7	6	8	9	5	6	14	10	15	20	23	10	43	15	13	15	10	6	7	14
13	5	5	5	5	4	6	6	5	4	4	13	9	5	4	16	17	33	11	25	19	20	11	25	20	12
14	15	9	10	8	16	9	9	7	8	8	10	9	9	10	7	6	9	25	39	17	17	9	9	10	12
15	10	15	13	10	38	29	25	19	28	11	19	32	25	19	30	33	21	20	21	16	19	25	18	21	22
16	11	8	10	12	8	13	28	30	12	17	11	14	15	37	28	39	30	41	45	8	10	8	14	15	19
17	15	10	55	35	29	18	9	5	5	16	19	19	14	8	12	18	10	11	19	20	14	5	11	5	16
18	11	15	33	14	19	8	9	5	7	10	4	10	8	6	3	4	8	10	5	14	4	5	3	9	9
19	6	16	7	5	12	14	10	4	5	4	6	3	3	5	9	10	9	18	18	13	11	5	5	5	8
20	4	15	11	15	15	13	8	13	13	14	26	26	35	13	23	21	15	20	38	16	19	14	5	6	17
21	16	8	7	20	30	16	5	5	15	30	25	9	5	7	6	4	4	12	17	25	14	4	10	19	13
22	19	9	11	7	14	19	5	10	10	15	15	17	15	51	42	24	24	12	30	21	21	13	9	7	18
23	6	11	25	33	28	18	19	17	15	9	33	34	33	34	35	24	39	24	27	16	20	14	63	77	27
24	46	50	23	26	34	27	30	18	12	11	21	20	23	40	52	54	50	42	28	21	18	9	7	7	28
25	5	9	8	5	3	3	5	7	9	16	9	9	5	10	10	24	28	30	22	18	10	5	9	10	11
26	9	5	20	16	6	24	13	24	11	30	21	15	20	19	30	12	19	21	16	19	10	8	24	10	17
27	34	63	72	41	26	26	15	31	29	21	9	35	28	26	23	20	47	28	24	18	33	9	28	8	29
28	5	22	6	19	17	13	15	29	24	61	74	52	53	31	115	78	98	69	30	68	20	24	54	35	42
29	40	74	56	59	17	8	12	9	19	24	63	44	39	44	35	70	73	96	19	33	19	30	34	--	40
30	--	28	51	35	29	31	49	32	29	79	48	88	28	19	29	34	43	85	31	48	21	15	11	34	39
31	24	24	30	18	25	9	14	27	8	20	13	50	28	14	21	25	77	76	48	50	56	45	22	32	32
Mean	23	23	25	23	21	20	21	18	22	27	34	37	28	41	45	36	42	41	34	30	26	18	19	21	28

Table 52 Resolute Bay

Hourly Ranges in gammas

January 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	24	17	11	77	38	47	9	24	9	11	10	10	10	18	10	18	29	44	14	9	6	5	14	20	20	
2	23	19	29	18	30	15	15	23	29	111	90	41	30	38	58	59	48	47	76	15	12	16	10	10	36	
3	7	8	9	10	9	10	10	13	10	5	23	15	19	24	20	10	30	14	21	14	15	7	10	14	14	
4	10	10	11	6	5	4	4	8	4	6	45	26	6	9	19	10	11	8	5	4	4	3	4	3	4	10
5	3	4	4	3	9	8	6	4	4	4	14	18	18	9	8	14	12	10	8	7	4	2	3	6	8	
6	6	4	10	19	10	7	13	10	4	23	16	9	8	10	7	18	22	17	18	17	9	6	3	7	11	
7	3	4	6	8	9	6	5	7	5	5	6	9	10	6	13	20	9	33	24	18	10	15	8	16	11	
8	10	10	23	14	10	15	5	5	5	18	16	7	14	15	26	16	31	36	22	12	6	6	16	10	14	
9	17	7	9	21	13	16	5	6	10	8	10	36	25	16	40	29	32	50	34	28	35	15	13	11	20	
10	19	20	86	47	152	147	58	20	31	15	68	153	60	120	50	44	120	95	133	83	46	35	33	45	70	
11	60	55	68	38	28	33	28	21	45	30	34	24	35	44	43	34	35	47	74	39	30	18	20	15	37	
12	37	28	24	23	33	13	10	16	14	10	10	6	6	5	7	12	20	25	35	21	12	9	19	16	17	
13	21	16	20	10	10	27	14	16	34	23	6	11	10	20	17	20	14	11	23	15	11	7	9	12	16	
14	9	7	7	5	15	7	12	10	11	21	14	14	13	15	29	83	72	78	69	56	44	34	60	94	32	
15	54	42	28	30	32	30	22	30	33	9	33	25	20	25	35	53	19	54	68	38	21	20	34	44	33	
16	29	31	49	27	28	24	18	109	77	22	17	75	116	74	31	85	67	79	47	36	21	20	21	27	47	
17	33	28	23	29	30	30	10	15	8	7	5	11	9	20	9	22	22	33	26	18	8	16	9	9	18	
18	9	11	5	9	6	5	10	8	15	7	8	29	13	21	12	27	35	47	34	26	9	10	4	8	15	
19	6	34	17	40	18	19	42	47	29	30	13	17	41	95	38	50	78	47	53	40	19	15	16	23	34	
20	11	14	11	12	15	26	14	7	20	9	6	8	8	4	13	17	25	18	28	14	18	20	16	9	14	
21	13	35	31	37	15	24	22	29	45	19	20	33	65	64	37	17	64	81	35	20	35	12	10	12	32	
22	24	11	9	14	8	16	9	8	18	16	7	5	6	4	6	5	7	6	17	21	5	5	5	5	10	
23	5	4	4	7	8	5	6	5	4	5	5	8	3	11	8	8	6	11	9	24	17	10	5	10	8	
24	8	7	5	3	4	4	4	5	6	6	4	3	8	6	8	5	9	6	7	11	10	5	11	7	6	
25	10	8	10	5	9	18	8	14	17	27	28	30	6	10	11	15	40	19	19	22	19	10	14	16	16	
26	29	34	30	5	10	8	9	6	6	9	51	18	31	22	39	39	80	72	51	49	17	33	30	21	29	
27	14	16	18	14	16	44	38	27	18	70	52	13	24	29	64	61	45	39	36	40	40	28	16	43	34	
28	24	10	14	8	17	17	25	17	8	17	8	8	17	8	8	8	17	25	50	17			8	8		
29	8	7	15	33	46	19	18	7	15	20	5	13	50	34	35	48	18	12	31	15	17	15	17	26	22	
30	30	24	16	28	24	15	10	12	30	21	25	19	46	28	40	57	32	14	34	50	24	22	11	9	26	
31	11	7	10	5	10	5	10	6	6	14	7	6	4	4	6	5	6	6	16	14	5	8	5	3	7	
Mean	18	17	20	20	22	22	15	17	19	19	22	23	24	27	24	30	35	35	36	26	18	14	15	18	22	

Table 53 Resolute Bay

Hourly Ranges in gammas

February 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	2	4	2	4	4	7	2	2	9	7	9	7	4	11	7	13	9	20	13	15	26	13	7	15	9	
2	30	22	20	28	13	24	41	39	24	22	22	28	46	39	30	24	44	24	48	48	26	26	33	30	30	
3	37	28	35	22	17	22	46	44	37	22	59	61	30	24	20	67	11	11	139	72	24	28	22	22	38	
4	9	15	37	44	17	30	35	30	22	26	70	52	107	122	96	83	44	87	33	94	33	63	37	78	53	
5	65	44	41	70	20	37	50	22	28	39	52	24	41	28	35	22	46	61	76	37	13	15	17	17	38	
6	11	15	20	11	11	35	26	11	9	13	22	11	9	13	24	20	17	39	126	48	74	44	48	37	29	
7	74	61	76	61	35	50	57	30	80	65	41	24	50	44	115	44	87	94	78	39	28	20	15	15	53	
8	9	11	7	9	13	11	9	9	13	35	28	24	20	20	17	20	33	35	48	39	22	20	9	13	20	
9	24	17	35	22	20	11	9	11	22	22	28	30	41	20	13	17	15	22	39	48	20	35	20	13	23	
10	9	9	11	9	13	20	9	11	11	11	7	15	11	15	24	13	11	20	41	26	15	9	11	2	14	
11	9	9	22	24	37	9	4	11	9	9	15	63	33	30	17	22	41	57	46	50	57	65	30	65	31	
12	74	20	65	17	24	26	20	7	26	30	20	13	17	24	17	50	44	46	41	54	26	52	44	61	34	
13	30	15	37	59	72	44	15	26	15	26	61	48	46	22	24	41	59	24	54	39	39	28	28	39	37	
14	24	17	70	74	13	37	13	11	15	9	15	24	17	24	30	20	13	83	104	63	48	28	20	33	34	
15	15	13	20	46	74	67	17	9	17	28	44	20	11	20	28	33	57	37	87	144	52	37	26	13	38	
16	9	17	26	26	30	28	13	24	37	46	139	107	85	70	83	46	176	70	48	61	35	50	22	57	54	
17	17	33	33	20	20	24	22	26	59	24	30	22	15	15	63	61	37	35	48	50	35	26	17	13	31	
18	9	7	11	20	11	15	11	13	20	37	11	9	13	37	22	22	30	39	44	67	117	85	28	26	29	
19	13	11	9	9	15	15	28	28	17	11	11	39	15	17	17	41	13	17	24	22	24	9	7	9	18	
20	4	7	7	4	4	4	9	22	24	13	13	24	44	35	22	28	9	26	26	26	20	30	17	22	18	
21	13	9	7	4	15	13	15	20	22	17	24	20	52	52	41	83	63	94	130	78	98	35	37	26	40	
22	9	9	67	70	52	28	70	48	26	37	63	63	33	33	44	61	124	30	63	83	33	20	17	37	47	
23	15	33	22	50	41	39	13	17	28	33	35	94	63	63	41	57	102	89	67	107	37	37	33	26	48	
24	30	22	35	46	57	52	30	22	17	39	26	96	70	35	57	44	37	17	46	50	65	39	59	46	43	
25	28	9	13	37	30	13	15	26	22	11	15	13	9	24	15	26	26	87	61	89	83	39	35	17	31	
26	28	9	15	22	26	13	22	13	17	24	20	22	35	52	46	170	130	272	78	117	109	78	35	39	58	
27	39	20	52	17	30	48	37	26	9	35	80	65	39	48	52	50	52	67	57	96	59	33	9	4	43	
28	7	7	11	9	9	7	22	24	15	15	15	30	13	17	17	22	35	44	65	41	26	30	20	9	21	
29																										
30																										
31																										
Mean	23	17	29	30	26	26	23	21	23	25	35	37	34	34	37	43	49	55	62	61	44	36	25	28	34	

Table 54 Resolute Bay

Hourly Ranges in gammas

March 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	11	13	9	13	11	15	26	22	33	22	24	30	35	39	24	78	104	59	57	65	33	50	35	13	34	
2	39	9	22	9	22	37	24	20	17	9	9	15	46	39	30	26	65	35	70	172	26	48	26	26	35	
3	33	39	33	15	15	13	7	7	13	13	11	13	20	44	48	65	57	39	48	104	39	17	41	33	32	
4	33	35	11	26	17	15	17	20	4	17	24	35	17	22	17	26	26	26	37	72	9	17	13	9	23	
5	26	7	4	13	7	7	7	26	11	37	28	30	85	261	54	50	48	52	152	204	83	65	37	91	58	
6	91	87	113	48	126	117	50	59	17	52	28	57	200	134	83	113	154	65	102	85	113	87	26	26	85	
7	28	22	11	9	22	13	17	24	33	20	15	13	22	44	22	30	44	59	63	39	35	17	13	13	26	
8	11	22	22	30	17	20	11	22	37	9	9	9	9	13	13	9	13	15	22	30	13	20	13	11	17	
9	15	11	7	7	7	4	4	4	7	7	4	7	15	20	9	26	13	46	67	104	15	22	17	11	19	
10	30	20	13	9	22	17	17	35	15	24	26	26	39	35	39	78	63	54	78	89	44	35	41	30	37	
11	50	44	26	30	170	104	30	61	17	17	61	35	17	17	17	78	48	70	39	52	28	41	24	15	45	
12	15	13	30	22	24	17	39	28	52	20	39	89	63	61	39	76	63	87	46	52	30	65	39	52	44	
13	85	48	37	22	20	22	17	22	17	11	54	17	20	20	26	28	41	61	26	17	28	35	30	30	30	
14	11	4	4	9	13	9	15	13	13	22	7	11	35	24	50	15	46	39	76	83	48	30	24	33	26	
15	33	13	26	74	26	28	26	20	22	13	13	24	46	24	28	17	48	22	78	76	61	50	28	24	34	
16	9	33	35	9	11	20	22	15	13	20	30	13	17	33	70	44	33	44	63	91	26	17	26	11	29	
17	15	9	9	20	17	17	9	13	11	13	48	20	26	26	28	24	30	17	24	44	24	20	13	28	21	
18	11	9	11	15	4	7	9	22	11	20	26	30	48	28	35	50	30	26	33	41	52	39	17	26	25	
19	33	30	30	28	52	44	11	13	13	15	26	37	104	113	41	67	67	102	17	59	91	41	30	22	45	
20	11	15	13	7	20	33	13	15	20	33	13	26	39	39	39	80	74	37	48	183	135	74	33	44	44	
21	41	37	44	28	22	44	50	33	46	22	22	20	33	37	57	41	54	76	26	39	87	52	96	74	45	
22	22	13	22	15	11	15	15	17	22	15	24	13	24	24	17	13	24	46								
23	35	24	20	9	9	7	4	9	13	13	17	107	65	24	20	28	26	22	33	76	41	17	20	26	28	
24	37	63	72	54	13	17	24	22	22	22	35	11	30	24	30	76	124	137	148	115	37	33	52	13	50	
25	50	22	37	33	20	48	22	24	28	22	13	44	46	9	13	37	17	96	76	44	35	26	13	17	33	
26	52	35	17	41	22	13	13	7	9	28	28	13	17	15	11	17	17	46	41	61	48	41	13	17	26	
27	15	41	39	4	13	13	22	17	15	9	11	17	35	35	9	33	44	87	91	17	57	41	41	13	30	
28	17	7	9	13	9	13	9	9	13	13	22	15	22	22	24	35	17	48	28	52	70	78	39	30	26	
29	41	13	30	22	35	17	15	44	15	9	17	22	52	26	17	17	33	20	44	165	87	24	24	15	34	
30	30	24	15	9	2	13	9	9	9	7	7	17	11	11	26	15	13	15	20	17	20	22	39	17	16	
31	11	13	17	9	7	20	7	9	17	13	11	13	35	9	17	26	24	52	161	52	35	83	48	37	30	
Mean	30	25	26	21	26	25	18	21	19	18	20	28	42	42	31	44	47	51	62	77	48	40	30	27	34	

Table 55 Resolute Bay

Hourly Ranges in gammas

April 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	22	48	39	70	30	26	70	26	41	48	30	33	33	44	28	35	26	126	100	41	154	57	20	22	49	
2	13	17	17	30	35	17	13	9	17	17	17	22	22	9	17	17	50	59	117	117	50	39	67	107	37	
3	67	22	26	9	44	67	30	61	44	13	28	30	22	20	28	26	78	113	113	117	100	72	63	41	51	
4	57	17	9	50	30	26	37	67	57	39	30	52	17	26	17	28	85	102	83	98	54	52	39	44	47	
5	65	33	87	74	26	20	13	13	13	22	30	46	15	17	17	9	22	39	70	39	37	39	50	26	34	
6	15	13	26	26	37	52	61	28	39	39	52	28	35	24	54	74	98	65	59	83	91	152	80	87	55	
7	176	207	96	57	52	41	126	76	61	146	41	135	85	44	70	122	128	250	157	165	144	87	67	111	110	
8	80	74	57	72	54	35	39	26	37	37	33	48	130	61	39	120	122	170	70	65	65	57	39	41	65	
9	122	30	20	22	15	39	41	37	26	13	39	57	24	67	144	141	91	109	135	72	135	70	17	44	63	
10	28	17	65	39	37	46	13	20	22	80	100	78	35	100	48	100	144	137	74	85	74	146	48	48	66	
11	111	76	78	96	80	13	28	33	41	107	72	91	74	59	85	37	85	126	78	89	72	30	63	33	69	
12	30	67	85	130	11	20	11	4	13	20	24	15	30	22	28	35	85	111	44	28	28	59	22	91	42	
13	67	24	26	33	17	11	15	13	9	30	13	7	13	13	22	30	22	33	17	30	35	26	41	22	24	
14	30	28	28	17	17	4	4	7	11	9	17	15	11	15	4	13	39	26	28	70	28	44	17	17	21	
15	7	20	26	24	59	17	26	11	13	13	20	13	17	33	15	54	46	57	144	157	172	113	65	78	50	
16	46	35	37	57	30	11	13	13	11	17	24	28	37	41	48	44	61	48	65	65	126	83	57	24	43	
17	54	30	65	54	52	59	24	17	20	41	24	33	30	26	22	46	74	52	126	126	89	102	52	11	51	
18	22	11	22	46	22	20	17	22	26	22	52	35	17	91	91	35	61	133	209	141	261	87	41	48	64	
19	72	59	59	91	59	9	50	35	20	17	30	17	30	30	24	17	33	80	57	72	59	117	30	39	46	
20	17	44	65	35	30	37	13	17	13	35	37	26	20	26	15	39	89	133	44	80	185	57	65	70	50	
21	109	78	135	35	35	22	39	87	113	96	39	52	46	26	44	100	341	96	70	146	78	200	130	70	91	
22	67	67	33	37	59	39	52	52	72	59	61	70	104	50	48	117	87	35	46	59	57	57	135	87	65	
23	46	28	30	54	104	63	33	63	39	87	85	57	44	37	54	76	83	96	259	387	239	52	96	67	91	
24	35	24	26	22	20	22	11	20	30	24	41	15	65	104	52	30	94	120	376	244	111	41	54	37	67	
25	20	17	13	7	15	17	24	20	28	17	65	48	61	24	52	46	85	265	87	139	96	76	33	28	53	
26	61	44	17	9	33	41	22	104	85	63	17	41	22	26	33	61	61	67	63	209	41	72	50	28	53	
27	17	74	50	44	22	13	30	22	44	41	26	28	33	15	80	35	76	65	39	65	37	78	39	46	42	
28	13	41	41	15	33	39	35	61	11	22	30	35	26	13	41	35	94	102	137	100	61	63	41	26	46	
29	17	70	44	44	20	33	20	15	22	20	24	41	44	54	67	28	59	46	52	30	52	70	28	13	38	
30	28	11	22	11	9	17	17	15	24	22	26	13	17	13	91	50	72	70	52	30	61	35	44	61	34	
31																										
Mean	50	44	45	44	36	29	31	33	33	40	38	40	39	38	46	54	83	97	99	105	93	74	53	49	54	

Table 56 Resolute Bay

Hourly Ranges in gammas

May 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	65	59	26	17	15	33	33	13	9	26	17	17	15	26	22	37	26	65	35	33	67	46	44	67	34	
2	24	30	17	17	30	28	26	46	44	11	48	24	15	28	48	65	124	48	35	26	39	28	63	17	37	
3	30	17	26	26	13	11	13	17	20	96	48	22	50	26	17	41	30	122	102	24	44	13	11	15	35	
4	13	35	28	22	17	13	22	13	30	11	17	11	13	7	7	9	11	52	52	39	22	20	13	11	20	
5	9	4	2	4	7	9	20	17	15	9	30	13	15	30	22	35	50	57	185	44	98	37	67	33		
6	54	59	44	117	94	22	20	22	15	24	70	76	54	102	41	41	87	96	78	57	126	78	44	83	63	
7	67	109	96	17	37	54	17	22	26	11	50	52	70	30	22	35	70	57	70	76	74	59	65	50	52	
8	26	30	39	26	35	65	28	20	11	22	33	9	17	41	61	22	44	26	65	17	57	91	35	41	36	
9	26	35	28	17	20	30	9	11	13	20	24	59	26	22	13	17	15	22	96	72	17	22	15	9	27	
10	15	22	35	52	28	28	11	26	24	35	26	39	37	78	26	35	61	33	113	91	65	100	44	35	44	
11	17	22	17	28	11	13	24	22	15	11	17	11	78	72	44	70	80	44	70	109	57	80	26	50	41	
12	46	44	13	13	22	26	9	33	33	15	35	15	9	13	9	11	11	135	61	63	87	100	35	46	37	
13	35	37	61	17	48	26	63	17	15	35	30	35	109	48	39	70	107	83	70	178	83	63	139	87	62	
14	46	63	39	61	65	50	39	37	61	102	65	133	78	104	74	39	70	120	65	163	67	115	111	30	75	
15	52	59	72	135	35	39	46	72	37	35	44	85	30	37	76	89	159	65	135	276	218	226	100	41	90	
16	22	96	13	30	57	89	44	96	33	120	70	67	33	48	20	22	35	61	161	96	226	98	85	48	70	
17	33	30	17	13	9	15	22	30	24	20	35	37	35	24	33	41	39	57	65	100	44	115	52	26	38	
18	20	17	24	22	13	13	9	13	15	13	9	35	50	52	67	39	33	41	46	44	72	35	44	22	31	
19	28	41	22	30	17	20	37	28	22	44	91	74	70	91	65	104	128	154	324	491	209	104	94	72	98	
20	59	89	39	52	44	24	24	30	41	33	44	20	39	72	33	65	80	87	72	94	111	30	26	22	51	
21	41	50	30	24	46	20	22	37	15	26	22	37	28	22	65	20	50	44	46	26	80	120	57	44	40	
22	41	15	24	13	11	13	6	11	22	17	44	48	67	41	46	63	30	61	135	46	146	94	22	41	44	
23	28	11	52	13	17	24	65	46	13	44	28	37	50	44	39	54	37	52	44	83	98	33	9	13	39	
24	13	48	33	26	22	22	17	15	13	9	22	22	9	26	13	22	26	76	39	89	52	39	9	11	28	
25	15	9	9	6	4	6	4	4	13	9	17	22	17	9	6	17	26	22	44	22	20	24	20	17	15	
26	9	13	20	15	9	13	20	17	13	22	13	13	15	17	24	15	41	117	96	74	107	87	100	80	40	
27	50	48	26	11	72	37	41	24	74	41	30	67	59	67	74	139	220	113	111	74	85	54	39	35	66	
28	46	39	22	15	26	15	15	30	48	48	46	48	15	30	39	30	41	26	70	61	50	61	37	61	38	
29	48	54	20	13	35	35	35	39	15	48	37	17	61	46	33	30	57	207	209	80	104	61	22	24	55	
30	20	17	13	11	13	17	35	9	17	17	22	15	30	24	33	24	41	61	44	133	91	39	33	44	33	
31	35	37	4	30	61	54	41	22	46	65	89	117	30	196	115	96	130	194	300	137	122	48	78	61	88	
Mean	33	40	30	29	30	28	26	27	26	33	37	42	40	47	40	45	63	77	94	99	87	70	49	41	47	

Table 57 Resolute Bay

Hourly Ranges in gammas

June 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	67	78	80	80	39	24	30	57	33	54	115	70	41	61	59	70	78	91	148	109	100	70	44	37	68	
2	39	46	33	30	46	22	13	13	22	50	17	15	15	30	20	80	80	46	44	100	39	28	33	22	37	
3	44	30	24	17	9	9	13	30	20	52	17	22	13	22	48	107	63	126	220	207	244	78	48	74	64	
4	87	30	70	30	37	44	39	17	26	39	39	76	109	72	52	139	144	98	178	170	152	117	61	65	79	
5	65	70	54	37	61	22	52	33	26	52	30	26	33	26	61	113	83	122	78	157	67	50	46	139	63	
6	80	17	37	30	20	15	52	24	24	17	67	26	50	26	44	117	39	96	135	117	126	63	26	20	53	
7	22	17	35	15	13	24	30	76	74	102	74	63	39	85	63	39	54	50	65	94	35	33	30	17	48	
8	9	17	24	17	13	26	24	33	24	26	13	22	30	15	35	39	37	115	63	48	87	93	52	24	37	
9	35	113	61	96	78	91	87	57	67	70	78	67	54	154	96	91	96	241	78	207	209	91	98	157	103	
10	100	57	78	87	74	57	39	43	57	111	98	67	83	78	41	83	109	144	170	244	215	72	65	70	93	
11	48	28	35	52	30	17	28	39	22	26	26	58	43	52	87	57	126	126	93	154	78	84	48	39	58	
12	70	59	30	33	20	13	33	20	39	28	91	133	70	139	85	74	43	165	39	113	161	26	24	50	65	
13	35	59	46	30	43	28	41	54	52	57	39	74	22	24	35	33	28	43	215	252	180	104	48	24	65	
14	28	52	39	28	57	35	63	13	28	52	33	41	48	46	48	91	39	83	76	109	109	113	91	48	57	
15	117	48	50	48	41	35	52	100	46	50	52	48	70	52	120	161	50	96	57	174	246	111	122	57	83	
16	117	74	57	50	26	35	48	30	35	22	33	41	122	76	30	83	52	104	57	61	146	83	17	46	60	
17	15	26	11	13	13	9	6	26	15	26	20	17	57	30	22	13	67	61	78	70	109	57	35	30	34	
18	54	30	39	43	28	17	13	22	43	17	13	24	41	22	20	26	43	35	80	100	76	65	26	22	37	
19	20	22	13	15	37	33	24	24	13	26	22	41	109	35	33	41	57	30	126	91	83	30	30	61	42	
20	35	43	13	17	13	17	17	30	35	26	20	33	48	17	9	37	39	57	35	91	48	52	43	22	33	
21	24	22	20	15	13	11	13	13	17	26	26	65	35	26	65	174	126	476	276	344	328	231	128	87	107	
22	33	26	67	67	33	57	109	22	39	30	63	52	37	46	26	65	231	281	209	204	265	91	70	48	90	
23	87	87	35	65	48	48	43	52	70	52	48	33	35	52	74	170	28	91	80	67	239	128	96	130	77	
24	80	78	37	35	26	37	30	22	37	30	83	28	48	33	22	61	80	159	213	178	109	91	74	67	69	
25	50	65	43	35	61	24	35	91	48	30	22	59	43	59	43	54	70	59	122	91	48	43	37	48	53	
26	37	22	22	13	13	13	22	39	20	37	13	37	26	43	30	48	124	113	43	26	59	50	91	73	42	
27	43	52	43	43	57	41	26	30	87	28	33	48	96	78	87	70	220	361	239	250	159	100	78	91	98	
28	121	52	67	59	74	65	57	28	50	91	54	87	48	148	96	113	85	189	221	178	226	124	70	83	99	
29	107	74	144	144	70	41	70	78	87	48	83	67	122	100	126	124	204	281	222	320	154	70	52	78	119	
30	61	33	96	57	30	57	61	30	91	65	35	46	52	57	52	144	231	331	211	196	278	72	30	48	98	
31																										
Mean	58	48	47	43	37	32	39	38	42	45	45	50	55	57	54	84	91	142	129	151	146	81	57	59	68	

		Hourly Ranges in gammas																							July 1962	
Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	28	39	46	46	35	26	26	43	78	43	85	30	43	70	104	126	98	141	174	144	78	52	50	67	70	
2	70	83	48	46	54	20	30	52	17	46	85	20	41	15	37	61	130	48	80	137	74	30	59	28	55	
3	48	35	35	35	13	4	17	30	22	22	35	35	57	35	26	61	122	109	170	178	100	148	35	35	58	
4	43	35	20	17	35	30	35	43	78	54	33	98	126	130	139	48	283	244	518	300	141	98	87	70	113	
5	117	37	61	152	41	100	87	39	61	50	24	76	35	165	126	61	135	139	189	80	172	43	59	48	87	
6	59	120	83	83	83	50	17	28	33	57	74	65	87	50	65	65	17	50	165	183	148	52	50	50	72	
7	52	22	30	20	13	28	9	15	22	37	96	43	30	33	35	70	120	33	96	85	117	102	100	70	53	
8	111	39	57	52	67	96	63	61	22	17	43	100	54	43	54	26	80	198	70	115	217	96	102	70	77	
9	78	61	61	70	48	63	28	37	24	20	33	41	20	35	22	39	57	65	96	126	96	26	20	50	51	
10	52	54	20	33	39	17	15	17	35	20	15	24	61	159	35	28	74	76	93	74	85	157	85	72	56	
11	96	59	37	50	41	30	39	43	43	46	46	26	102	57	63	39	122	150	133	276	204	170	30	50	81	
12	30	54	39	67	57	33	128	28	39	46	39	26	28	78	80	57	183	152	109	100	189	111	43	48	74	
13	52	87	39	20	24	41	80	19	33	37	6	41	130	48	37	196	89	194	91	126	252	61	85	61	77	
14	46	91	80	52	33	52	59	89	35	33	43	63	33	37	30	26	91	228	183	261	178	41	72	20	78	
15	91	57	98	37	20	20	11	20	22	30	28	61	35	22	30	22	128	185	154	78	76	33	85	20	57	
16	17	41	41	22	22	13	26	22	22	24	24	26	28	78	39	28	52	30	33	41	26	20	17	9	29	
17	26	24	9	15	9	17	13	11	11	15	37	22	48	26	11	67	39	26	85	72	78	72	61	22	34	
18	46	17	15	28	9	15	26	17	17	11	22	30	39	30	57	43	35	33	96	102	141	152	35	28	44	
19	30	13	70	48	78	52	59	54	54	93	43	107	39	33	22	46	61	139	228	87	133	111	117	104	76	
20	48	78	30	50	67	33	41	98	61	48	46	80	35	70	87	78	78	143	107	161	100	189	128	91	81	
21	63	63	85	57	93	48	33	30	30	37	50	48	26	28	70	120	180	220	344	204	167	52	115	57	93	
22	15	46	54	46	52	24	24	43	83	28	50	41	48	39	63	43	50	50	93	159	50	46	61	48	52	
23	57	30	67	30	35	28	26	15	35	57	43	28	30	57	30	33	33	130	120	132	70	67	63	26	52	
24	39	30	43	22	22	17	22	17	24	43	13	30	30	33	65	117	98	87	57	91	83	65	59	48	48	
25	20	76	120	33	17	67	33	65	11	33	22	72	48	28	17	28	17	35	41	309	148	100	76	33	60	
26	24	24	39	115	189	76	39	144	39	91	152	126	244	163	102	120	302	274	167	187	93	65	54	85	121	
27	185	85	111	83	63	37	83	57	61	43	50	65	85	109	187	98	281	209	165	180	246	74	72	152	116	
28	85	172	85	65	48	96	76	57	39	48	59	94	76	61	104	174	154	224	278	130	85	30	35	61	97	
29	146	128	87	102	28	35	20	35	52	61	48	80	43	30	35	63	74	96	174	167	39	26	39	35	68	
30	35	67	48	78	28	39	33	28	13	20	20	13	39	28	28	46	74	17	37	67	43	33	20	17	36	
31	22	30	39	37	15	11	37	24	35	37	22	26	28	22	17	41	50	98	80	148	348	237	122	107	68	
Mean	59	58	55	52	44	39	40	41	37	40	45	53	57	58	59	67	107	124	143	145	128	83	66	54	69	

Table 59 Resolute Bay

Hourly Ranges in gammas

August 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	170	170	165	44	174	80	76	117	76	185	115	65	78	70	139	50	98	83	146	98	59	70	76	144	106
2	83	41	46	50	46	70	44	26	26	28	41	96	78	33	57	65	57	83	124	83	109	146	67	52	65
3	52	67	61	33	30	35	50	17	33	17	65	54	65	33	35	39	94	128	135	124	94	76	52	44	60
4	35	33	37	28	9	48	56	41	28	41	54	39	63	65	22	109	33	83	113	80	94	37	22	35	50
5	24	50	41	30	39	22	67	52	50	30	65	100	17	48	37	33	54	83	61	137	74	72	13	26	51
6	85	72	63	26	89	46	22	61	52	33	52	89	126	111	76	113	100	113	196	233	154	91	97	72	90
7	87	163	52	61	59	37	39	20	48	46	30	102	44	113	78	80	104	59	335	345	191	196	59	44	100
8	85	139	111	96	39	28	41	67	85	74	28	35	126	78	85	85	228	72	100	139	233	133	183	135	101
9	126	102	198	100	41	59	44	50	152	35	130	85	100	74	98	80	91	189	200	165	185	80	61	26	103
10	87	59	44	63	50	87	33	35	39	59	74	24	70	52	41	57	78	52	74	96	83	33	24	17	55
11	17	33	17	24	17	9	6	11	26	20	11	17	24	26	22	17	61	63	41	61	39	17	9	13	25
12	22	17	13	17	9	17	20	11	13	11	15	30	44	26	35	20	37	56	78	104	56	41	26	11	30
13	22	17	13	11	13	11	20	20	15	20	35	17	30	24	15	33	48	47	133	74	89	61	67	46	37
14	30	83	44	22	56	39	17	37	17	41	22	28	109	63	44	35	74	117	326	211	96	54	52	74	70
15	26	52	44	30	56	52	33	65	74	28	39	24	44	44	109	67	98	239	222	204	122	89	54	93	80
16	50	37	124	33	48	37	74	63	13	37	46	17	24	50	87	65	113	170	222	183	226	98	170	109	87
17	83	67	63	61	33	70	39	44	39	28	63	102	72	33	65	218	307	141	196	100	102	83	96	74	91
18	109	85	44	39	41	50	87	65	48	78	30	63	46	78	113	135	124	170	122	265	170	65	57	52	89
19	87	96	61	22	30	91	72	72	30	100	91	24	30	39	91	70	150	139	113	126	85	44	65	85	76
20	57	52	17	33	24	28	13	17	17	48	44	24	39	35	48	70	50	94	78	52	48	20	30	30	40
21	30	24	17	6	13	13	17	22	17	26	15	30	59	44	22	17	87	141	146	87	196	98	67	70	53
22	67	72	100	44	65	65	30	48	54	72	30	24	30	63	83	133	120	183	335	189	100	87	143	126	94
23	83	100	148	107	74	96	39	59	35	44	80	61	56	39	72	187	198	202	209	122	109	78	65	70	97
24	80	70	135	56	80	61	48	61	63	24	91	54	52	130	70	120	100	207	126	150	96	98	107	130	92
25	113	87	39	67	48	65	30	48	24	33	30	46	26	30	61	56	113	61	87	59	30	41	54	74	55
26	96	26	41	44	20	37	46	13	35	33	28	65	46	50	50	35	87	48	117	126	109	46	30	39	53
27	70	72	24	17	13	20	20	20	22	20	22	20	15	9	13	22	41	54	91	59	72	22	20	15	32
28	9	35	20	31	20	11	20	24	24	13	13	11	26	39	28	33	41	30	22	57	30	13	13	13	24
29	26	24	22	30	65	30	17	74	28	94	46	24	28	63	30	91	104	135	148	115	48	35	83	30	58
30	26	22	30	24	26	61	26	39	24	28	22	54	63	28	96	70	44	56	89	78	65	26	35	87	47
31	65	120	70	52	74	61	28	174	67	39	30	26	52	70	48	33	76	100	126	24	22	28	26	33	60
Mean	65	67	61	42	45	46	38	48	41	45	47	47	54	54	60	72	97	110	146	127	103	67	62	60	67

Table 60 Resolute Bay

Hourly Ranges in gammas

September 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	28	57	65	28	33	11	61	63	48	65	72	39	70	52	91	185	187	80	135	109	126	78	52	43	74	
2	39	100	113	65	30	133	43	46	98	46	59	96	65	180	109	78	257	130	109	252	91	91	61	48	97	
3	100	67	104	96	57	52	35	91	41	39	191	207	65	83	100	80	265	141	87	187	87	180	70	117	106	
4	198	70	117	48	63	122	85	87	85	70	122	79	61	48	87	50	91	96	122	107	41	70	57	22	83	
5	28	20	43	122	50	20	50	33	76	59	43	83	33	102	89	111	43	41	104	83	91	30	33	109	62	
6	72	54	28	35	59	52	113	91	33	43	104	52	30	65	35	39	24	48	72	43	87	52	72	41	56	
7	48	63	83	63	52	24	33	28	52	48	24	33	24	22	39	65	59	107	70	157	39	80	83	39	56	
8	33	100	65	98	102	29	48	39	52	96	43	37	33	24	39	43	17	59	157	135	76	85	47	35	61	
9	80	33	41	26	24	33	11	9	11	9	28	78	57	35	28	22	30	50	33	57	39	47	91	22	37	
10	30	89	52	63	72	33	48	28	20	74	52	22	22	17	22	26	59	28	35	37	41	37	15	41	40	
11	87	50	33	17	13	22	20	17	39	67	85	24	33	28	41	35	70	48	74	74	98	96	46	43	48	
12	39	50	57	24	20	80	63	87	57	111	80	50	48	96	78	109	141	113	61	87	133	57	150	146	81	
13	115	74	52	22	35	48	52	83	43	17	26	33	43	54	104	122	57	91	89	180	83	26	41	50	64	
14	80	39	35	50	57	67	26	63	20	15	13	30	30	28	30	35	67	87	159	122	43	63	50	24	51	
15	39	46	74	115	144	24	20	37	35	26	63	30	30	13	30	28	41	231	163	100	89	28	63	67	64	
16	46	33	17	24	26	20	15	17	13	11	30	28	39	26	30	57	57	50	122	93	59	17	43	43	38	
17	48	57	11	26	17	22	28	17	20	13	15	22	37	39	35	52	104	54	126	67	74	30	39	41	41	
18	52	28	28	13	17	13	15	17	13	6	13	28	11	22	26	33	52	65	59	67	52	35	35	72	32	
19	76	52	96	37	50	61	80	93	70	37	39	41	50	57	78	135	231	191	122	87	111	54	122	122	87	
20	72	157	80	50	26	17	20	30	26	41	61	72	22	35	43	43	48	43	65	80	65	39	26	35	50	
21	35	39	17	15	50	20	24	46	33	24	22	15	35	78	183	43	133	91	85	126	98	48	74	63	58	
22	83	52	98	100	48	41	54	20	65	26	100	65	39	96	102	113	109	130	126	83	48	46	50	37	72	
23	70	57	54	35	46	46	30	67	39	33	78	54	39	30	35	61	48	78	57	48	39	50	35	78	50	
24	39	52	48	30	30	17	35	11	13	15	13	13	15	17	22	30	48	30	48	80	54	33	22	26	31	
25	26	11	17	24	9	9	9	9	11	9	22	22	20	24	24	65	24	61	50	63	67	41	48	54	30	
26	113	96	30	109	37	28	24	35	15	26	26	72	61	80	50	43	57	96	91	109	48	35	43	26	56	
27	52	41	43	22	39	17	24	24	41	22	20	78	52	15	26	30	67	65	76	50	20	22	24	24	37	
28	30	13	52	48	20	6	9	11	24	17	13	24	33	59	35	30	57	139	72	152	67	65	93	26	46	
29	17	22	30	13	17	26	30	48	52	26	109	52	26	52	48	52	22	50	43	63	59	113	33	17	42	
30	17	26	43	15	22	20	61	33	48	46	72	33	65	80	57	43	39	87	72	130	161	87	37	41	56	
31																										
Mean	60	55	54	48	42	37	39	43	40	38	55	50	40	52	57	62	84	86	90	101	73	58	55	52	57	

Table 61 Resolute Bay

Hourly Ranges in gammas

October 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	48	76	70	91	52	67	78	43	57	117	43	135	144	104	102	107	122	159	130	96	109	76	130	172	97	
2	117	109	83	135	41	54	41	122	39	83	109	67	52	100	120	139	59	57	191	161	91	54	52	85	90	
3	61	48	24	30	41	65	46	57	30	22	43	43	43	74	194	117	65	126	180	91	65	39	102	50	69	
4	35	59	26	26	41	37	70	33	35	39	26	28	37	20	15	35	89	39	67	87	24	24	26	37	40	
5	13	22	9	9	30	24	28	17	20	30	15	17	24	35	63	133	120	43	59	63	87	33	52	43	41	
6	96	35	102	54	28	67	74	48	9	9	17	17	35	65	83	91	35	91	43	48	43	35	35	48	50	
7	28	41	30	22	22	33	15	30	26	50	17	20	28	11	35	50	48	52	74	28	33	74	91	100	40	
8	120	139	278	35	61	61	83	39	30	65	78	41	50	65	74	96	139	239	96	96	63	78	137	96	94	
9	100	89	157	87	43	33	50	43	98	37	43	57	100	61	67	65	107	96	152	74	57	74	80	96	78	
10	96	48	72	35	43	28	30	33	48	52	57	52	109	102	126	74	120	128	52	65	70	35	74	39	66	
11	48	93	74	39	46	43	93	48	59	35	26	41	37	109	67	57	157	122	113	157	74	59	57	57	71	
12	72	54	39	26	24	26	24	17	22	96	76	43	26	33	50	54	89	46	22	100	52	39	33	35	46	
13	20	13	15	13	17	20	13	13	17	46	57	41	54	57	94	33	57	117	139	74	50	46	63	89	48	
14	50	78	54	43	37	46	41	52	39	52	61	65	52	43	89	91	152	215	117	65	124	61	65	41	72	
15	57	80	39	61	26	46	178	109	30	24	39	13	15	35	48	72	52	80	43	48	39	48	39	30	52	
16	48	26	15	35	13	17	13	30	13	15	122	65	83	59	67	65	61	174	130	48	70	48	41	41	54	
17	37	54	37	30	22	30	28	43	46	50	20	28	24	26	15	35	43	37	80	33	37	17	26	35	35	
18	22	96	80	104	37	43	13	15	22	17	17	37	59	89	57	104	107	100	59	93	17	46	46	24	54	
19	11	15	17	9	9	11	6	24	78	74	41	70	83	67	96	120	78	67	154	83	67	87	30	26	56	
20	30	13	15	26	22	13	9	15	15	11	22	13	30	57	57	63	113	89	133	72	65	52	22	17	41	
21	54	52	43	57	52	37	20	20	22	54	39	39	43	46	65	39	72	54	85	87	22	41	22	43	46	
22	26	26	65	30	17	39	50	28	30	85	28	65	120	135	148	130	91	139	159	124	52	100	124	57	78	
23	83	43	107	52	52	26	33	22	30	26	26	61	35	39	17	48	83	57	120	48	72	52	50	24	50	
24	78	57	65	59	65	41	61	20	30	28	52	52	61	122	50	89	78	61	111	111	63	126	61	70	67	
25	78	70	26	67	20	61	59	80	65	30	76	87	57	72	54	70	141	109	107	87	137	65	104	43	74	
26	100	98	113	61	17	28	78	74	43	54	41	98	70	120	33	126	72	96	74	117	148	80	72	48	78	
27	67	78	43	70	65	52	174	93	57	37	37	59	109	102	117	163	78	159	180	174	133	65	104	61	95	
28	96	98	54	154	104	76	26	39	43	57	37	67	54	65	74	83	78	87	52	57	63	83	111	28	70	
29	57	54	74	57	57	17	22	30	17	54	37	41	37	43	76	76	65	100	104	157	91	26	54	28	57	
30	48	57	61	37	48	46	70	28	46	24	57	43	67	43	30	46	96	100	87	48	46	41	43	43	52	
31	28	37	20	22	20	33	17	48	15	41	22	57	35	57	28	30	107	96	72	26	22	28	30	13	38	
Mean	59	60	62	51	38	40	50	43	36	46	45	50	57	66	71	80	90	101	103	84	67	56	64	52	61	

Table 62 Resolute Bay

Hourly Ranges in gammas

November 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	22	24	50	26	43	13	22	13	13	76	39	13	11	39	22	35	39	28	28	65	39	46	26	30	32	
2	26	20	30	15	15	9	6	9	9	20	26	28	48	65	91	74	139	157	141	43	33	39	30	43	47	
3	41	20	20	15	15	9	13	35	17	24	65	30	28	28	43	85	37	76	76	35	37	48	46	85	39	
4	61	26	13	20	35	39	17	20	22	43	30	57	43	22	46	89	35	74	39	30	50	65	17	28	38	
5	35	52	9	15	9	22	33	37	35	13	17	15	17	50	22	13	33	20	33	33	24	22	22	20	25	
6	17	33	30	50	37	30	37	48	26	52	17	17	33	58	83	48	89	61	48	50	48	91	96	46	48	
7	61	48	83	52	39	59	24	11	24	30	91	30	26	20	91	24	39	65	48	61	30	35	35	33	44	
8	57	20	20	28	24	22	26	22	17	22	37	22	28	39	87	70	39	57	50	22	17	20	22	26	33	
9	24	35	30	9	15	15	15	13	11	4	4	11	13	9	20	35	57	85	35	39	35	17	28	26	24	
10	35	33	20	20	13	17	11	6	9	9	6	4	4	6	17	24	13	26	30	39	15	11	13	22	17	
11	11	13	17	11	15	48	15	43	22	50	35	41	43	102	76	78	70	46	30	22	26	15	48	26	38	
12	43	24	41	15	20	11	11	11	15	9	9	9	9	11	11	22	48	52	72	24	17	13	28	28	23	
13	35	13	11	4	11	4	9	9	6	4	15	9	9	11	26	28	22	48	48	20	13	9	11	17	16	
14	9	20	6	9	9	9	9	4	2	9	9	15	9	13	48	37	35	74	50	70	61	11	9	9	22	
15	6	13	9	13	15	107	107	35	39	20	28	120	178	237	61	61	26	72	37	59	65	98	91	57	65	
16			83	74	37	30																				
17																										
18			6	11	6	6	6	4	9	6	6	13	6	6	11	13	15	24	17	20	13	13	6	6	9	
19	20	6	6	6	6	6	9	4	4	4	13	11	13	22	13	22	24	24	26	30	24	24	28	20	15	
20																										
21	26	13	15	20	13	20	48	57	63	57	37	30	30	50	67	35	28	39	48	15	65	43	96	37	40	
22	52	52	61	26	22	43	100	91	65	54	78	52	104	70	78	46	67	24	72	61	39	78	70	76	62	
23	78	50	61	67	39	52	89	50	52	35	113	74	80	126	96	133	107	70	93	52	33	57	50	43	71	
24	61	22	30	26	26	35	30	30	87	57	54	93	87	57	93	87	78	70	128	43	26	37	46	43	56	
25	46	54	70	39	24	48	78	191	39	113	115	76	65	87	122	74	117	52	83	30	63	24	26	28	69	
26	63	65	35	28	20	15	15	11	17	15	15	28	22	41	39	33	39	67	65	28	24	20	17	20	31	
27	48	22	26	33	17	35	50	30	33	26	22	37	26	30	41	33	41	59	46	33	30	30	39	30	34	
28	52	26	28	13	11	22	24	22	17	20	13	43	22	54	20	20	28	35	28	13	9	11	9	9	23	
29	28	17	13	9	9	6	13	11	17	22	98	39	50	20	46	30	20	87	52	50	26	13	15	30	30	
30	35	122	52	48	48	85	37	48	39	109	83	26	43	28	89	37	43	30	24	43	20	22	20	24	48	
31																										
Mean	38	33	30	23	20	29	32	32	26	33	40	35	39	48	54	48	49	56	54	38	33	34	35	32	37	

Table 63 Resolute Bay

Hourly Ranges in gammas

December 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	37	26	15	22	11	9	6	13	35	24	26	35	28	44	54	33	56	61	41	46	13	15	6	4	27	
2	4	2	4	9	9	17	11	4	22	54	37	6	13	20	20	33	30	61	41	13	6	13	13	9	19	
3	9	9	9	9	22	6	20	11	11	6	9	13	13	26	35	26	35	26	28	13	9	4	9	9	15	
4	4	6	6	26	13	9	22	20	89	100	91	30	87	30	46	57	35	115	39	30	35	13	17	28	40	
5	41	61	39	22	15	17	13	24	17	35	22	24	20	44	39	30	48	26	39	24	13	11	13	15	27	
6	11	9	6	13	13	9	13	15	9	15	13	13	11	13	11	15	30	22	17	17	9	9	9	4	13	
7	6	13	15	4	13	17	9	11	9	9	15	13	13	26	9	17	35	50	22	22	15	17	24	9	16	
8	13	9	15	6	15	9	9	9	37	39	22	11	9	11	35	15	17	22	26	17	20	13	9	11	16	
9	9	24	13	20	39	57	35	9	13	17	24	20	9	13	9	6	15	17	11	9	9	17	11	9	17	
10	22	9	9	11	11	9	6	6	11	13	9	11	9	4	9	24	13	11	22	15	17	41	28	33	15	
11	26	13	24	33	50	39	30	37	33	48	17	15	37	26	30	70	44	41	28	54	22	24	65	54	36	
12	61	61	35	35	37	20	9	13	9	15	13	11	6	9	4	9	39	72	83	44	24	78	35	35	31	
13	22	22	50	35	11	28	74	9	24	26	37	30	22	87	28	107	63	9	11	11	46	61	44	26	37	
14	65	15	24	57	33	26	17	17	26	22	39	33	35	54	41	33	46	61	46	26	24	35	33	50	36	
15	33	22	22	20	39	37	46	30	26	20	22	15	22	15	24	26	22	28	33	11	24	17	17	24	25	
16	13	15	13	11	11	11	9	9	11	17	26	13	11	30	26	37	24	35	24	11	11	13	22	20	17	
17	15	9	20	22	13	9	9	11	35	24	35	24	33	30	28	72	33	122	152	87	44	126	139	41	47	
18	50	46	157	157	39	24	24	22	20	28	52	41	35	83	44	37	61	39	41	91	39	91	67	133	59	
19	117	191	120	39	46	104	78	170	740	70	54	65	41	96	74	52	122	61	52	70	48	39	57	52	107	
20	57	63	83	39	67	54	30	30	70	61	39	35	67	87	70	87	48	65	39	72	70	57	94	70	60	
21	41	87	61	52	59	39	83	61	63	35	30	54	52	96	85	124	91	83	61	35	94	28	33	20	61	
22	50	39	37	22	17	33	11	13	30	24	72	61	35	46	44	57	57	50	33	44	24	46	30	48	38	
23	44	26	17	22	22	11	15	11	24	17	17	13	17	17	20	22	22	15	13	9	6	4	6	6	17	
24	4	6	6	6	4	9	9	32	35	20	17	17	17	28	35	22	22	26	13	30	28	9	15	20	18	
25	33	26	26	20	15	20	13	9	9	15	20	20	15	24	17	17	57	17	41	30	11	11	9	11	20	
26	11	11	28	24	13	13	26	33	41	54	26	39	61	120	135	52	94	39	20	35	35	30	89	89	47	
27	22	13	6	13	9	9	11	13	17	17	15	9	9	17	26	13	28	24	24	22	15	26	26	15	17	
28	13	9	11	11	11	11	9	9	6	9	11	13	22	59	61	30	26	22	17	15	24	17	24	26	20	
29	11	15	11	13	37	24	20	11	11	6	4	11	15	33	22	46	28	44	17	22	9	9	11	11	18	
30	15	28	15	4	4	6	4	4	11	13	20	13	11	9	6	9	30	22	9	20	15	17	11	46	14	
31	13	30	15	24	11	13	9	17	9	61	72	72	59	74	30	35	61	35	52	26	13	30	26	15	33	
Mean	28	30	30	26	23	23	22	22	48	30	29	25	27	41	36	39	43	43	35	31	25	30	32	30	31	

CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
Dominion Observatories

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BAKER LAKE MAGNETIC OBSERVATORY
1960 - 1962

A. E. Evans, E. I. Loomer and F. Andersen

Price 25 cents

ROGER DUHAMEL, F.R.S.C.
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1964

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BAKER LAKE MAGNETIC OBSERVATORY 1960 - 1962

Geographic Latitude	64.3°N	Geomagnetic Latitude	73.9°N*
Geographic Longitude	96.0°W	Geomagnetic Longitude	314.8°E*

Introduction

Following the establishment of a permanent geomagnetic observatory at Baker Lake, N.W.T., in 1951, observations and recording of the geomagnetic elements have been carried out on a full-time basis. A previous publication (Loomer and Andersen, 1961), describes the site, equipment and observing procedure of the observatory.

A proton precession magnetometer designed by Serson (1962) was put into service in October 1959, but after three months of successful operation, excessive electrical noise prevented its use. Since then, occasional observations of total force have been made using a field-type proton precession magnetometer manufactured by Varian Associates. The accuracy of this instrument is limited to about 10γ assuming the precession frequency for protons in water is $4257.60 \pm .03$ cps per oersted.

For a period of several weeks during the winter of 1962 the Ruska magnetograph was operated by D. Zacharias, of the Canada Department of Transport, owing to the illness of the Dominion Observatory magnetician. During this period no calibration or absolute measurements were made.

The base-line values adopted for the Ruska magnetograph are as follows:

X northward	Jan 1-June 30, 1960	4,037 γ \pm 2.8
	July 1-Dec 31, 1960	4,043 γ \pm 2.5
	Jan 1-July 21, 1961	4,043 γ
	July 22-August 3, 1961	3,993 γ
	Aug 3, 1961-May 31, 1962	4,037 γ \pm 3.9
	June 1-4, 1962	4,060 γ
	June 5-9, 1962	4,122 γ
	June 10-Dec 31, 1962	4,167 γ \pm 6.0
Y eastward	Jan 1-July 31, 1960	235 γ \pm 4.1
	Aug 1-Dec 31, 1960	228 γ \pm 3.1
	Jan 1-July 21, 1961	228 γ
	July 22-Aug 5, 1961	303 γ
	Aug 5, 1961-June 5, 1962	227 γ \pm 5.1
	June 6-Dec 31, 1962	240 γ \pm 5.6
Z downward	Jan 1-July 20, 1960	60,300 γ
	July 21-Aug 31, 1960	60,210 γ
	Sept 1960	60,190 γ
	Oct 1960	60,175 γ
	Nov 1960	60,160 γ
	Dec 1960	60,145 γ
	Jan 1-Jan 28 (0030) 1961	60,140 γ
	Jan 28-July 22 (0420) 1961	60,230 γ
	July 22-Aug 3, 1961	60,310 γ

Z downward—	Aug 4-May 26, 1962	60,210 γ
Concluded	May 27-June 9, 1962	60,345 γ
	June 10-Dec 31, 1962	60,375 γ

In the early part of January, 1961, heater panels containing magnetic material were inadvertently introduced into the observatory building. This caused unknown gradients in the building thus making the absolute value and base-line determinations unacceptable for the period Jan 1—Aug 5, 1961. For this period the base lines were assumed constant and the adopted values were changed only when discontinuities were visible on the magnetograms.

For reasons given earlier, the absolute value of F, and hence the Z base line, was determined only on two occasions, Sept 1960 and May 1962. The values adopted for the Z base line were derived using these two measurements of F and the known discontinuities in the Z base line. A linear change in base line was assumed where necessary.

The scale values adopted for the Ruska X and Y variometers are:

X northward	Jan 1-Dec 31, 1960	4.23 γ /mm \pm .02
	Jan 1-Dec 31, 1961	4.16 γ /mm \pm .04
	Jan 1962	4.17 γ /mm
	Feb 1962	4.18 γ /mm
	Mar 1962	4.20 γ /mm
	Apr-Dec 1962	4.22 γ /mm \pm .02
Y eastward	Jan-July 1960	5.96 γ /mm \pm .04
	Aug 1960-Dec 1961	5.82 γ /mm \pm .06
	Jan 1962	5.84 γ /mm
	Feb 1962	5.87 γ /mm
	Mar 1962	5.90 γ /mm
	Apr 1962	5.94 γ /mm
	May-Dec 1962	5.95 γ /mm \pm .03

Again, as reported in earlier publications (Loomer and Andersen, 1961 and Andersen, 1963), the scale value of the Z variometer exhibited a great deal of long-term and erratic drift. The scale values adopted were derived by fitting straight-line segments to such periods as were reasonably uniform in drift. For other periods where the performance was quite irregular the adopted value was adjusted at bi-weekly intervals or oftener as seemed appropriate. The following table gives some indication of the Z variometer's performance:

Z downward	Jan-June, 1960	6.22-6.90 γ /mm \pm .06
	July 1-20, 1960	7.00 γ /mm
	July 21-31, 1960	5.62 γ /mm
	Aug 1960	5.95 γ /mm
	Sept 1960	6.37 γ /mm

*Assuming the position of the geomagnetic pole is 78.3°N, 69.0°W (Finch and Leaton, 1957).

Z downward—	Oct-Dec 1960	6.65-7.20 γ /mm
Concluded	Jan 1-27, 1961	7.20 γ /mm
	Jan 28-31, 1961	5.50 γ /mm
	Feb 6-28, 1961	5.6 -6.4 γ /mm
	Mar-Dec 1961	6.53-7.77 γ /mm \pm .08
	Jan-May 1962	8.00-7.68 γ /mm \pm .05
	June-Dec 1962 irregular drifts	6.06-6.76 γ /mm \pm .09

The annual mean values since the beginning of operations are:

	H	D	Z	X	Y
	γ	$^{\circ}$ $'$	γ	γ	γ
1951.6	3540	2 33 E	60.237	3637	162
1952.5	3655	37	224	3651	167
1953.5	3678	44	232	3674	175
1954.5	3710	36	238	3706	168
1955.5	3745	34	299	3741	168
1956.5	3807	28	322	3803	164
1957.5	3844	34	341	3840	172
1958.5	3879	39	346	3875	179
1959.5	3921	53	379	3916	197
1960.5	3942	3 01	402	3937	208
1961.5	3969	05	415	3963	213
1962.5	4002	11	420	3996	222

The annual mean values of X and Y for the years 1951.6 to 1957.5 were calculated from the measured values of H and D. For the years 1958.5 to 1962.5 the annual mean values of H and D were calculated from the measured values of X and Y.

This publication presents a summary of the data recorded at the observatory. Should there be a need for more detailed information, copies of the magnetograms and lists of hourly mean values for specific days are available on request from the Geomagnetic Division, Dominion Observatory, Ottawa.

References

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Table 1 Baker Lake

Hourly Ranges of X in gammas

January 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	20	25	25	15	15	100	45	30	25	25	35	40	25	35	55	60	65	55	40	30	30	20	20	15	35
2	20	20	10	20	30	370	185	150	65	20	20	35	55	65	60	100	80	100	90	30	65	25	35	20	70
3	30	15	30	15	20	275	45	30	60	45	35	20	25	45	110	115	80	180	80	40	35	35	20	20	59
4	35	40	35	30	35	35	70	15	70	70	40	165	120	100	80	110	55	40	70	40	50	40	30	40	59
5	30	20	25	40	20	20	25	35	40	45	80	30	70	80	65	100	75	155	130	60	110	85	85	70	62
6	80	30	55	65	180	30	25	20	20	35	40	30	20	35	90	140	145	140	65	65	95	45	25	25	63
7	20	15	15	30	30	30	50	40	20	20	40	80	60	60	50	60	35	65	60	40	30	40	50	40	41
8	30	25	25	25	25	20	20	20	10	15	15	20	20	20	25	35	45	40	35	35	55	35	45	25	28
9	25	35	40	40	50	40	20	15	20	10	15	20	10	35	25	50	30	40	35	35	45	25	15	10	29
10	25	25	15	15	25	20	25	60	55	40	85	110	120	115	40	105	125	140	190	235	125	90	85	35	79
11	45	45	55	335	155	40	90	125	100	70	75	70	145	190	65	195	180	470	230	90	145	70	50	70	129
12	55	50	15	25	20	25	65	185	50	40	20	25	30	65	90	110	140	115	90	135	140	70	60	75	71
13	35	35	40	40	45	50	40	35	60	35	60	55	50	45	95	70	105	70	60	430	260	385	250	125	108
14	180	395	285	150	110	165	235	95	205	150	60	195	100	130	80	90	105	105	200	250	205	120	60	85	156
15	65	80	90	110	30	25	30	40	30	35	40	55	60	60	85	140	120	120	115	40	60	30	25	20	63
16	15	20	25	20	45	55	160	30	30	10	25	15	20	20	40	60	105	85	10	25	50	45	110	70	45
17	20	20	70	45	65	25	40	20	35	40	65	40	190	270	240	325	155	45	55	55	35	35	30	55	82
18	30	20	25	15	10	20	35	35	750	805	135	55	170	180	165	120	105	95	125	80	130	75	25	15	134
19	80	75	15	25	20	40	45	35	20	45	40	50	55	45	35	125	105	180	105	30	35	30	55	15	54
20	30	35	40	35	45	25	15	50	40	35	35	430	480	175	255	125	375	200	50	50	155	90	170	70	125
21	105	80	50	65	65	90	50	145	210	50	80	135	200	110	105	275	120	135	130	120	165	135	105	80	117
22	50	50	45	25	370	230	230	155	320	235	160	205	115	95	130	155	200	195	95	95	75	100	110	85	147
23	40	15	15	20	40	170	380	75	255	55	140	75	55	305	285	230	200	265	235	215	145	70	110	70	144
24	35	45	70	195	285	210	235	270	125	20	85	95	175	110	150	210	245	200	295	105	55	90	30	50	141
25	55	35	70	60	100	115	175	55	40	35	50	85	75	90	190	190	230	210	90	85	45	90	70	40	95
26	35	25	20	30	305	30	185	150	65	75	145	85	80	70	55	120	210	160	50	55	75	55	50	50	91
27	45	95	70	35	65	275	60	55	25	25	55	30	85	55	50	65	80	60	35	45	25	45	35	45	61
28	35	20	45	20	15	20	15	40	30	25	45	30	55	60	130	90	70	40	60	80	80	65	95	30	50
29	35	15	30	60	35	45	20	30	25	25	20	60	115	255	70	100	50	65	40	25	30	55	50	20	53
30	20	15	15	10	10	10	5	10	10	5	10	5	10	5	30	30	35	20	15	20	15	25	10	20	15
31	10	15	5	5	10	10	10	5	10	10	15	20	25	20	20	35	80	55	45	20	20	10	15	5	20
Mean	43	46	44	52	73	84	85	66	91	69	57	76	91	95	96	120	121	124	94	86	83	69	62	45	78

Table 2 Baker Lake Hourly Ranges of X in gammas February 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	10	10	10	10	35	55	25	20	20	20	220	75	35	50	35	70	130	55	45	30	35	20	35	25	45	
2	15	25	15	20	35	25	30	20	30	15	40	40	35	50	80	145	170	275	150	180	155	105	95	65	76	
3	55	45	30	25	25	25	20	35	35	25	35	50	135	105	130	80	170	150	75	175	85	130	90	65	75	
4	75	30	20	20	25	105	85	30	45	210	100	40	65	140	60	85	75	180	290	310	130	95	40	40	96	
5	35	20	15	15	15	30	50	85	50	20	25	235	305	80	70	75	135	175	175	170	80	65	85	15	84	
6	50	25	105	150	45	15	25	120	120	30	50	45	40	25	60	65	270	135	85	45	30	40	65	70	71	
7	60	30	30	30	35	120	210	45	35	30	15	25	35	20	50	50	40	40	45	25	40	25	30	30	46	
8	20	10	10	10	15	10	40	55	30	15	40	70	80	100	145	100	165	135	70	60	25	30	20	15	53	
9	45	40	50	15	15	20	20	15	15	10	15	30	25	15	40	55	45	40	45	30	20	30	15	15	28	
10	25	20	15	25	40	55	145	90	45	25	45	45	60	35	45	50	65	45	75	50	35	30	25	10	46	
11	15	10	10	10	10	10	20	10	15	10	15	25	35	40	30	50	150	110	200	130	50	100	55	25	47	
12	75	45	30	20	10	10	20	15	20	25	20	35	15	40	35	35	25	30	25	15	35	50	15	5	27	
13	10	10	10	10	10	10	10	10	15	30	30	40	35	25	40	45	35	40	60	115	45	55	60	20	32	
14	40	25	30	50	235	20	40	135	45	50	40	85	120	100	120	115	175	160	105	70	80	85	25	30	83	
15	30	45	10	10	10	10	10	10	10	10	20	10	50	70	100	90	170	270	120	50	60	60	35	35	54	
16	15	40	30	30	10	25	25	25	20	50	80	55	45	140	250	315	340	365	105	100	185	95	60	40	102	
17	50	45	40	50	40	40	245	200	370	180	80	45	85	100	110	90	360	195	145	335	150	90	300	90	143	
18	60	55	25	50	45	95	65	170	70	25	75	40	45	80	190	315	375	290	190	270	130	115	55	155	124	
19	55	95	70	30	50	210	255	60	25	95	75	35	60	115	215	210	135	160	95	70	135	145	170	60	109	
20	25	20	40	25	30	25	35	260	105	65	30	70	55	135	210	90	155	390	455	200	385	260	70	60	133	
21	60	40	455	270	125	115	210	155	80	35	145	145	65	125	85	220	185	210	145	115	110	85	60	40	137	
22	35	25	15	10	10	15	30	185	90	45	45	50	45	60	100	75	100	125	85	160	205	55	40	55	69	
23	45	20	10	20	10	215	200	50	25	35	35	50	50	120	120	125	145	195	90	85	110	75	35	20	78	
24	30	20	10	35	70	315	220	55	40	20	20	35	60	40	65	75	40	30	20	50	30	20	40	40	57	
25	50	10	15	20	15	15	15	30	50	15	15	15	20	50	55	40	70	20	25	35	105	40	20	20	32	
26	10	10	10	5	5	15	10	15	30	20	65	55	20	50	75	165	140	95	100	45	50	55	60	65	49	
27	30	25	25	85	200	20	65	90	135	70	35	70	105	80	80	240	140	155	80	85	120	60	60	35	87	
28	25	15	20	20	20	20	20	15	30	20	25	15	35	75	55	140	35	55	55	55	50	15	35	50	38	
29	65	30	40	50	20	25	50	45	15	20	55	50	85	50	110	120	140	100	100	100	170	105	105	70	72	
30																										
31																										
Mean	38	29	41	39	42	58	76	71	56	42	51	53	63	74	94	114	145	146	113	108	99	74	61	44	72	

Table 3 Baker Lake

Hourly Ranges of X in gammas

March 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	20	70	40	35	35	15	90	90	50	40	55	35	40	85	140	200	305	315	180	385	195	225	135	35	117
2	35	60	55	45	20	25	50	40	260	195	70	30	130	105	90	135	120	155	180	180	125	85	65	130	98
3	45	30	30	35	60	75	50	180	45	60	65	65	105	110	100	110	155	230	195	95	200	115	100	40	96
4	50	15	20	20	15	20	30	45	20	35	40	25	55	65	65	195	220	265	485	130	95	115	60	45	89
5	45	50	20	20	50	50	40	120	55	35	30	25	50	80	85	95	80	200	85	140	150	140	50	30	72
6	45	45	65	35	205	270	70	30	20	40	65	65	55	30	55	80	115	85	95	110	150	55	105	50	81
7	35	25	25	10	10	10	20	15	20	20	15	25	25	35	65	50	40	40	55	35	80	25	30	30	31
8	15	10	15	10	25	70	445	55	25	40	45	40	55	60	50	160	75	225	30	50	70	130	95	65	77
9	25	30	30	35	20	35	40	70	40	35	30	40	40	50	205	180	175	130	70	110	115	90	130	95	76
10	20	15	20	20	20	25	35	20	65	410	170	75	120	85	170	155	275	320	325	360	115	115	80	40	127
11	35	50	30	20	80	285	160	45	115	190	80	235	150	200	130	240	355	260	310	170	100	160	75	65	147
12	35	30	20	15	30	20	30	40	50	40	25	60	50	105	65	140	100	190	100	55	80	110	85	30	63
13	70	15	20	25	15	25	55	155	130	35	25	15	25	45	35	50	80	95	85	65	35	45	70	25	52
14	45	25	15	140	340	160	35	35	15	85	100	25	100	90	80	145	185	65	30	25	30	30	30	25	77
15	40	10	15	10	10	10	15	10	25	20	30	35	95	55	75	130	225	430	200	160	245	140	110	55	90
16	65	65	75	130	60	50	95	45	45	105	65	30	55	55	105	125	350	430	230	255	530	390	220	85	153
17	70	70	55	55	40	30	70	60	110	70	85	60	80	70	135	180	205	260	270	245	280	120	95	75	116
18	25	35	40	30	20	510	680	145	40	45	35	60	65	95	80	65	50	55	55	50	55	75	90	60	102
19	60	35	30	30	15	15	15	15	20	80	100	70	70	120	175	155	205	70	40	55	55	35	70	35	65
20	25	30	25	15	15	65	80	40	20	20	25	20	45	50	65	145	65	25	25	30	25	55	65	30	42
21	25	35	15	15	15	30	30	40	35	45	30	50	100	120	160	115	145	110	55	55	40	30	20	15	55
22	45	25	10	20	25	25	25	35	30	30	20	20	60	75	130	75	35	20	60	40	55	175	90	115	52
23	70	20	10	15	50	140	35	20	15	30	35	20	35	30	35	45	45	60	20	40	55	65	40	50	41
24	30	80	45	105	70	40	15	30	30	50	55	60	30	50	85	205	265	170	190	105	200	100	100	110	93
25	25	10	25	45	25	20	30	25	20	35	25	25	30	55	105	35	35	60	90	40	45	35	110	110	44
26	55	30	35	20	20	20	20	25	40	110	30	30	50	90	70	90	75	60	75	55	25	75	110	40	52
27	20	25	20	20	60	85	35	25	65	35	65	60	60	60	40	25	30	55	60	25	35	25	40	30	42
28	25	15	10	10	10	40	30	45	30	50	40	55	60	65	110	100	545	460	120	310	270	170	125	70	115
29	120	70	50	45	65	95	35	75	60	30	60	35	30	50	95	120	65	80	80	30	100	130	110	120	73
30	40	85	35	20	35	30	15	20	35	45	45	50	115	55	150	160	155	425	170	175	60	40	35	100	87
31	65	50	55	75	50	45	40	55	75	70	105	450								560	550	165	140	210	62
Mean	42	37	30	35	49	76	79	53	51	69	52	48	66	74	98	123	159	178	132	119	120	103	85	60	81

Table 4 Baker Lake

Hourly Ranges of X in gammas

April 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	355	200	180	665	640	380	340	230	230	220	385			435	170	120	355	265	235	280	280	175	130	100	290	
2	100	90	60	140	550	330	75	565	225	310	260	145	210	105	110	65	85	55	90	50	70	70	50	180	166	
3	120	355	200	555	580	125	605	340	80	110	100	80	160	120	90	125	150	85	205	95	80	85	90	40	191	
4	50	30	45	50	60	45	25	40	50	35	40	50	40	175	70	335	260	410	165	50	285	230	260	100	121	
5	125	120	100	95	105	75	85	65	70	60	50	30	40	160	260	230	345	535	275	90	115	40	30	25	130	
6	40	20	30	15	40	55	40	45	35	50	20	40	80	60	105	120	500	180	85	295	390	65	105	40	102	
7	105	75	45	55	60	60	40	40	30	20	20	45	45	65	190	540	380	355	135	410	440	305	125	70	152	
8	55	145	150	65	30	30	65	75	50	55	60	65	120	70	55	195	130	245	60	140	90	40	90	75	90	
9	45	55	65	70	100	160	35	40	70	165	85	60	70	60	40	40	60	100	90	50	25	50	65	60	69	
10	35	30	30	15	55	60	50	40	50	100	25	105	80	105	240	175	195	145	85	365	165	140	170	130	108	
11	90	75	25	45	100	45	90	35	55	70	60	130	145	110	285	440	75	375	245	165	65	340	210	50	139	
12	80	80	355	100	145	70	45	155	355	90	70	85	100	35	80	110	90	365	300	315	115	235	180	65	151	
13	50	40	675	620	335	425	430	50	45	40	35	35	95	95	90	50	55	95	195	125	120	100	135	160	171	
14	100	70	35	45	75	50	60	40	40	20	55	75	55	60	170	100	205	230	315	250	65	120	145	235	109	
15	110	90	20	55	70	480	65	55	30	20	60	90	65	85	120	130	110	55	60	180	100	85	65	50	94	
16	50	25	35	80	60	130	65	20	35	60	50	60	75	130	240	115	115	325	220	240	340	235	150	110	124	
17	210	65	655	590	95	165	50	50	55	80	55	75	65	150	90	135	340	270	605	600	145	310	220	120	216	
18	100	140	155	145	45	65	105	270	75	70	110	105	50	175	125	185	140	205	105	50	45	30	85	95	111	
19	70	40	50	30	35	30	30	40	35	25	40	45	45	45	30	35	40	35	40	25	20	35	35	40	37	
20	25	25	25	10	25	20	20	35	20	30	40	40	50	55	45	35	30	25	40	15	20	20	30	15	29	
21	35	10	10	15	10	10	15	15	10	10	15	30	75	35	55	100	65	65	35	55	25	30	60	50	35	
22	55	50	40	20	30	25	25	25	20	25	40	85	60	45	85	55	110	95	85	115	25	30	25	50	51	
23	70	70	40	25	30	25	25	20	10	35	45	35	60	65	70	70	110	105	85	155	115	255	45	75	68	
24	50	40	125	100	30	35	35	55	50	65	65	105	115	260	190	175	175	160	210	200	185	120	175	110	118	
25	175	165	40	40	80	65	110	50	55	160	160	230	165	95	210	215	455	360	195	275	90	140	125	35	154	
26	130	95	60	130	100	40	35	60	40	35	55	75	55	75	70	110	160	145	160	75	85	100	145	40	86	
27	160	40	30	15	30	25	30	45	15	20	35	90	65	95	65	180	305	175	75	175	460	180	110	95	105	
28	180	95	65	100	75	35	100	60	105	105	90	150	485	260	165	245	180	130	215	155	590	320	195	65	174	
29	120	160	170	60	60	50	120	170	120	75	55	80	125	155	270	170	385	235	395	580	245	80	280	50	175	
30	110	120	215	350	180	70	130	115	75	100	110	235	1055	530	2000	1190	1945	400	275	310	1210	1315	190	295	522	
31																										
Mean	100	87	124	143	128	106	98	95	71	75	76	85	133	130	193	193	252	208	171	196	200	176	128	88	136	

Table 5 Baker Lake

Hourly Ranges of X in gammas

May 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	135	205	205	100	110	110	220	170	250	250	90	90	75	115	200	145	150	125	285	210	120	360	85	80	162
2	100	90	60	265	725	110	70	50	70	35	95	100	115	90	200	255	140	210	90	165	150	65	140	60	144
3	35	45	45	55	135	70	35	120	70	60	145	75	45	70	105	155	80	90	80	90	60	45	45	55	75
4	50	25	30	15	15	20	25	25	30	20	40	40	70	45	65	120	115	65	90	145	95	75	60	80	57
5	55	50	55	55	25	20	55	35	25	25	35	35	30	70	200	115	95	170	120	60	100	85	90	90	71
6	70	100	45	75	75	90	50	45	60	100	165	150	205	60	65	250	465	510	285	500	695	500	270	230	210
7	100	80	90	80	165	60	65	40	40	80	120	130	260	125	200	470	670	350	395	210	540	180	235	150	201
8	105	40	60	165	465	140	265	210	150	255	240	445	255	135	130	330	350	325	275	255	190	145	165	300	233
9	165	70	60	65	35	70	60	45	120	90	110	75	90	55	80	170	390	200	240	60	80	95	70	50	106
10	100	80	95	30	60	55	35	30	115	110	100	60	255	65	135	175	110	145	160	220	125	265	330	150	125
11	70	55	105	150	110	275	500	100	725	130	35	45	80	40	100	90	150	65	335	190	225	130	75	75	164
12	80	65	30	85	240	610	240	65	85	60	145	70	90	415	155	215	345	190	85	130	35	70	185	75	153
13	60	70	45	30	20	30	35	30	40	55	55	80	75	110	120	120	130	60	110	180	260	105	120	85	84
14	105	40	155	30	60	50	45	65	30	260	145	60	70	70	65	130	210	85	75	110	90	65	40	50	88
15	35	25	20	20	75	95	120	30	30	30	60	35	45	95	80	320	165	145	125	70	70	50	35	70	77
16	25	40	30	20	45	195	50	20	35	30	40	45	125	365	425	595	705	680	215	350	685	320	190	135	222
17	85	50	45	55	60	50	85	100	45	55	95	90	135	225	80	100	160	65	95	55	75	65	90	70	85
18	40	35	20	50	55	250	235	90	20	50	70	50	60	110	55	215	95	120	130	55	85	50	70	65	86
19	75	75	120	25	35	55	210	295	45	50	35	60	50	60	70	65	60	75	130	120	75	60	40	60	81
20	45	50	45	45	35	70	20	30	25	25	40	65	50	25	55	35	75	55	55	55	40	55	105	60	48
21	55	55	60	10	30	20	15	20	20	50	30	40	80	70	50	85	105	125	105	45	85	45	25	15	52
22	25	30	25	15	30	15	10	15	20	25	35	25	35	35	85	55	65	55	60	130	45	55	80	40	42
23	80	20	25	25	25	25	30	30	35	30	25	50	45	70	280	450	350	520	270	215	355	155	190	65	140
24	55	40	35	100	60	25	90	85	75	90	80	70	115	115	100	230	250	795	630	315	520	665	140	60	197
25	110	40	80	55	45	65	65	40	45	55	45	55	135	150	525	230	165	225	320	185	135	120	110	55	127
26	25	60	75	50	30	60	80	125	130	40	45	80	100	100	110	290	245	200	140	160	140	190	150	105	114
27	65	100	105	90	40	25	20	30	35	40	25	65	25	65	110	90	130	75	70	115	210	315	165	40	85
28	70	55	40	30	30	20	40	40	80	50	60	70	35	75	50	160	125	50	75	65	345	270	340	285	103
29	190	275	100	125	80	60	85	90	40	65	100	85	100	255	160	360	240	160	210	330	665	260	80	120	176
30	65	55	60	80	95	60	50	45	80	130	135	130	145	40	410	260	50	150	155	105	155	125	95	50	114
31	105	85	60	170	70	40	40	35	60	55	55	85	140	145	110	75	125	50	55	105	185	170	180	35	93
Mean	77	68	65	70	99	92	95	69	85	77	80	82	101	118	148	205	207	201	168	166	213	169	131	92	120

Table 6 Baker Lake

Hourly Ranges of X in gammas

June 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	70	40	35	65	65	90	110	25	50	75	145	95	90	185	205	95	70	85	70	120	55	55	75	70	85	
2	30	45	20	30	25	15	20	30	35	35	35	20	35	120	110	105	40	40	50	65	45	50	45	40	45	
3	25	30	20	10	15	20	15	20	40	60	30	35	60	205	90	50	50	65	90	85	160	200	100	25	62	
4	50	45	120	140	100	70	75	65	80	80	75	70	80	175	290	190	210	190	315	70	150	590	110	295	151	
5	120	85	150	130	100	35	75	65	85	105	80	100	190	40	50	110	190	210	225	235	235	200	100	150	128	
6	60	110	110	95	100	75	90	55	55	55	105	85	110	100	145	195	125	160	50	80	70	60	65	60	92	
7	145	145	70	150	30	30	65	85	65	65	80	90	150	60	85	130	165	60	395	105	105	90	135	65	107	
8	75	75	105	320	180	80	40	50	145	90	155	200	75	120	190	185	205	330	285	505	420	265	280	140	188	
9	45	300	200	40	140	80	335	110	60	75	110	50	50	155	110	400	110	85	340	235	55	70	55	20	135	
10	70	75	45	25	55	60	40	40	20	60	40	50	25	105	185	140	120	145	100	185	195	275	55	105	92	
11	50	80	250	65	30	20	35	25	30	30	60	65	40	45	115	145	165	70	80	65	30	25	50	45	67	
12	45	25	45	25	35	30	20	30	25	25	55	25	50	50	45	65	65	60	80	60	30	25	50	70	43	
13	60	65	25	35	30	25	55	40	50	40	65	80	50	105	100	80	140	235	60	60	40	65	70	70	69	
14	40	55	95	90	20	60	30	45	30	35	35	115	190	160	140	290	140	120	190	450	260	310	120	35	127	
15	105	70	60	40	20	20	65	40	130	100	100	70	75	140	145	165	240	280	125	45	115	125	85	101		
16	70	85	70	120	50	55	60	20	45	35	25	35	55	25	40	40	100	180	55	65	60	90	40	110	64	
17	110	105	40	35	30	35	20	20	20	20	15	55	25	25	115	265	130	110	60	50	50	160	155	75	72	
18	80	100	65	45	70	70	50	65	75	120	110	130	125	50	230	190	155	320	60	75	90	60	100	160	108	
19	70	140	70	65	60	245	145	50	50	90	120	135	60	100	80	90	135	195	255	280	145	120	120	60	120	
20	45	45	40	55	50	45	25	25	35	35	40	45	40	45	95	115	130	100	155	130	115	65	70	65	67	
21	160	40	80	40	260	105	45	55	50	50	60	60	140	85	160	250	250	315	360	260	195	175	90	55	139	
22	110	30	85	45	85	60	35	25	25	80	105	155	40	165	80	70	135	80	65	105	260	165	65	100	90	
23	70	65	65	45	30	75	40	30	40	20	65	65	35	70	140	130	145	105	125	65	70	75	80	70	72	
24	80	40	50	60	50	45	65	55	50	40	55	70	80	120	95	70	120	310	140	360	330	120	95	120	109	
25	45	70	85	60	40	35	30	35	30	50	50	55	180	225	310	310	595	720	845	1000	590	230	270	100	248	
26	110	85	125	160	80	90	65	70	70	60	75	50	35	65	85	210	100	85	80	145	100	150	155	85	97	
27	250	150	135	145	140	90	120	80	75	45	60	110	110	115	110	140	365	340	320	710	590	250	130	180	198	
28	130	45	40	100	50	100	45	110	135	95	220	125	100	80	145	160	280	465	450	265	180	150	75	115	152	
29	75	55	270	460	60	80	80	135	50	80	70	90	70	70	50	100	120	245	110	235	435	675	445	60	171	
30	120	110	90	55	95	105	50	50	40	30	45	85	150	105	90	305	345	495	255	265	345	240	135	230	160	
31																										
Mean	84	80	89	92	70	65	65	52	56	59	76	80	84	102	128	159	169	205	198	215	182	171	115	95	112	

Table 7 Baker Lake

Hourly Ranges of X in gammas

July 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	115	175	135	90	95	80	40	210	80	70	145	50	130	120	150	230	100	155	560	415	500	250	155	210	177
2	70	135	75	75	60	75	50	140	115	65	80	110	140	140	105	120	130	200	220	120	90	125	70	40	106
3	95	110	105	80	70	65	55	55	45	60	100	80	60	70	140	105	195	180	270	365	515	310	210	100	143
4	145	305	130	45	190	230	120	115	70	115	55	90	80	130	175	140	465	215	210	115	240	445	60	30	163
5	65	95	330	245	85	45	55	245	230	90	60	50	80	215	90	140	110	150	135	410	315	275	175	130	159
6	125	60	80	65	180	50	35	65	35	95	255	170	40	75	115	215	140	115	105	120	40	100	55	30	99
7	65	25	10	10	35	20	20	55	50	45	55	25	45	40	65	40	55	55	70	30	105	40	70	45	45
8	35	40	60	35	55	20	20	30	20	30	25	65	60	80	90	70	70	60	40	40	30	15	25	44	
9	40	25	25	40	35	25	10	20	55	50	30	30	30	80	80	70	45	60	30	30	80	50	40	40	42
10	30	55	45	70	90	60	50	60	30	45	55	60	30	70	135	130	115	140	145	75	120	75	70	75	76
11	80	55	25	60	60	65	30	30	20	75	35	70	80	110	170	85	115	170	110	125	290	160	100	50	90
12	90	60	125	40	25	30	90	125	60	40	110	125	125	120	270	115	100	50	115	150	120	225	260	60	110
13	140	65	65	30	50	55	125	40	40	60	70	60	60	160	90	150	195	200	110	75	390	325	80	75	113
14	75	40	80	30	80	420	230	45	65	95	105	100	60	50	260	230	335	1210	460	170	605	530	140	120	231
15	100	70	105	40	65	115	90	55	85	160	165	135	130	125	85	240	235	625	150	120	145	120	140	190	145
16	225	210	220	80	140	35	65	85	30	40	110	105	240	165	225	180	145	110	70	80	80	70	40	60	117
17	65	45	430	40	70	65	25	25	110	120	55	45	70	90	195	160	110	200	180	110	165	310	110	145	122
18	75	35	50	60	60	85	70	75	30	90	85	110	70	80	205	330	250	95	90	70	85	70	95	20	95
19	20	20	30	45	25	55	95	170	45	75	60	225	165	220	165	190	285	210	275	290	215	165	75	95	134
20	210	70	40	30	25	40	15	35	35	60	50	160	65	230	105	265	180	170	230	125	350	210	200	185	129
21	45	100	45	20	150	340	35	30	50	25	100	35	205	45	115	95	80	165	60	30	65	45	55	100	85
22	75	55	60	35	195	255	200	50	65	65	35	45	155	135	110	125	125	75	130	130	245	150	120	175	117
23	90	95	40	30	30	40	160	110	55	45	30	40	60	95	65	80	145	80	75	65	45	90	80	20	69
24	50	20	50	35	55	55	35	60	45	40	30	75	75	105	150	110	225	110	100	130	105	105	50	55	78
25	25	25	15	20	65	95	20	15	15	20	20	65	30	40	40	115	55	30	45	60	100	50	60	70	46
26	85	45	20	35	25	15	25	20	25	55	35	35	55	105	155	125	110	55	145	115	110	225	50	110	74
27	90	20	35	25	10	25	30	15	55	45	30	30	105	40	90	65	65	40	40	20	15	55	25	25	41
28	35	20	30	15	30	20	25	25	10	20	30	55	60	75	155	40	25	25	140	65	55	50	60	60	47
29	85	120	60	55	45	35	60	55	20	85	45	100	85	165	185	300	135	230	200	415	370	105	150	115	134
30	120	80	130	50	85	70	60	30	55	40	75	90	80	135	170	240	80	95	65	105	100	60	115	120	94
31	80	120	510	130	130	70	125	140	60	215	120	130	145	195	155	255	295	375	300	100	100	85	50	50	164
Mean	85	77	102	54	75	86	67	72	55	69	73	81	91	112	139	154	152	183	158	138	187	158	96	85	106

Table 8 Baker Lake Hourly Ranges of X in gammas August 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	90	85	45	60	290	180	110	45	50	50	80	80	90	150	175	110	90	110	65	60	75	155	190	65	104
2	60	105	55	285	255	60	90	60	80	60	70	95	110	80	90	110	160	255	305	115	155	110	95	140	125
3	55	55	50	60	20	15	20	20	40	25	40	110	80	140	70	115	130	85	95	75	60	100	150	60	70
4	85	45	70	30	35	40	30	20	20	160	50	105	75	60	90	50	85	65	95	45		35	45	25	59
5	50	60	20	25	15	10	30	15	15	40	25	40	65	45	130	45	60	25	40	30	60	20	40	30	39
6	50	40	25	20	15	40	15	25	35	55	40	50	40	105	125	45	75	95	50	100	115	40	65	45	55
7	45	70	60	35	20	20	25	45	30	60	30	35	75	190	100	30	170	65	90	40	45	40	50	20	58
8	25	20	20	30	25	15	55	40	35	50	115	95	70	135	110	115	225	145	175	350	520	370	110	50	121
9	115	75	35	35	90	95	45	50	50	50	115	110	85	70	55	85	305	285	235	80	50	40	30	105	95
10	130	25	65	70	20	65	40	55	80	60	105	100	130	100	115	155	140	330	160	320	190	130	65	85	114
11	45	50	75	225	395	115	40	50	75	70	65	130	135	120	200	310	155	110	290	145	45	70	35	155	129
12	160	65	155	125	40	40	60	205	235	55	55	125	75	105	130	240	200	170	90	110	180	130	95	30	120
13	70	55	30	45	30	105	100	30	35	45	45	80	90	50	120	120	125	100	140	115	50	95	165	60	79
14	35	50	35	170	165	95	260	35	25	40	30	15	30	90	50	255	95	415	320	255	320	450	75	95	142
15	60	120	130	55	50	70	35	25	60	150	50	120	25	60	75	85	100	85	70	60	35	55	35	40	69
16	45	45	40	25	35	30	25	15	25	50	30	70	25	55	195	105	360	235	230	385	130	260	135	155	113
17	280	355	155	155	45	70	50	100	400	225	30	120	120	90	220	345	220	200	470	215	105	245	190	150	190
18	85	80	40	35	50	55	45	65	60	255	220	40	65	135	75	90	80	210	140	60	65	100	60	30	89
19	60	35	25	10	10	10	25	15	55	40	40	50	135	50	130	40	200	505	355	640	275	95	220	150	132
20	70	30	20	40	85	15	50	80	35	30	85	55	85	155	205	100	185	170	365	365	90	190	85	90	112
21	155	105	75	45	55	110	40	35	55	115	40	100	55	135	215	300	340	455	680	215	135	160	135	70	156
22	60	115	75	30	55	45	15	15	20	25	50	25	70	40	120	55	255	125	100	125	95	175	105	75	78
23	90	40	30	35	30	15	35	15	20	25	30	30	35	50	65	45	20	50	50	80	110	55	45	70	45
24	45	35	15	30	10	15	15	35	45	75	35	30	30	40	40	60	45	60	40	70	50	60	40	10	39
25	50	25	15	5	5	5	5	10	10	10	10	20	25	40	60	50	30	70	50	50	25	25	40	50	29
26	25	15	20	15	5	15	10	15	15	10	15	15	35	65	85	45	100	25	50	75	40	80	35	65	36
27	55	55	65	75	35	40	15	35	35	15	40	40	55	80	70	135	110	465	480	240	235	75	50	55	106
28	65	40	25	115	200	30	55	40	40	40	25	55	25	80	135	100	180	130	55	50	40	15	40	110	70
29	100	75	50	55	80	590	65	110	60	50	55	65	70	70	150	280	325	205	185		270	80	130	30	137
30	325	275	30	335	355	45	35	110	120	85	30	120	115	80	55	155	155	300	285	215	165	85	100	65	152
31	40	75	70	65	90	30	45	25	160	255	60	40	95	120	80	125	105	80	60	25	80	40	30	25	76
Mean	85	75	52	75	84	67	48	46	65	73	55	70	71	90	114	126	153	181	188	157	127	115	87	71	95

Table 9 Baker Lake

Hourly Ranges of X in gammas

September 1960

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	45	25	15	15	10	5	30	15	15	10	5	15	35	15	90	35	60	30	35	30	40	65	30	40	30
2	15	30	5	5	10	25	50	20	45	40	35	55	65	60	75	300	120	165	440	215	185	90	90	75	92
3	60	115	60	110	50	25	220	325	55	40	95	100	65	110	200	215	95	175	250	120	210	130	100	90	126
4	85	35	40	50	225	315	290	45	365	105	80	70	120	180	285	265	190	210	340	180	95	255	280	145	177
5	295	155	155	120	65	60	105	130	510	345	45	75	40	70	75	145	320	495	705	480	115	220	115	50	204
6	100	40	25	70	65	90	325	305	35	65	45	100	110	55	75	85	165	100	70	95	100	90	270	170	110
7	40	50	40	65	35	50	45	30	30	65	55	160	330	280	365	220	225	420	340	205	130	175	135	100	150
8	65	50	35	45	55	135	40	40	50	75	85	55	195	110	45	110	160	260	100	80	35	15	45	60	81
9	50	25	95	140	55	25	60	50	60	45	50	20	25	150	265	50	95	195	250	215	115	145	55	50	95
10	65	70	20	15	45	55	125	35	60	30	25	55	70	115	70	80	135	175	250	400	55	80	100	90	92
11	100	60	60	110	20	30	40	40	20	20	20	50	70	55	70	170	375	200	285	80	250	295	90	20	105
12	45	70	95	80	95	35	35	75	90	35	25	40	20	30	105	80	80	95	120	120	150	20	40	50	68
13	40	65	40	50	80	60	55	25	40	20	55	70	70	75	180	95	35	35	20	200	260	280	75	20	81
14	40	60	20	45	75	45	35	25	25	25	30	75	25	60	95	55	60	40	40	50	30	45	70	10	45
15	20	15	10	10	30	30	25	45	30	20	30	15	25	50	95	20	45	45	40	50	45	25	20	35	32
16	25	10	15	25	15	10	5	5	5	10	25	50	35	65	110	50	55	85	55	75	50	65	30	20	37
17	30	15	35	30	5	10	10	10	5	10	10	20	15	65	105	90	125	110	50	65	200	205	165	50	60
18	30	60	45	45	40	75	115	10	20	30	80	55	90	90	125	90	95	95	55	70	25	45	40	20	60
19	25	30	10	15	35	20	25	15	45	45	25	30	50	45	60	25	20	20	15	40	20	15	30	30	30
20	35	10	5	5	5	5	5	10	15	10	30	20	55	55	50	90	40	30	55	50	40	75	70	45	34
21	20	20	10	15	5	10	5	5	20	30	30	55	85	105	90	65	115	80	50	50	30	30	30	35	41
22	15	55	15	25	25	35	70	10	10	15	25	35	45	35	145	60	100	110	70	150	155	255	75	20	65
23	25	40	35	40	50	20	40	35	90	25	100	140	40	20	50	80	95	45	55	40	90	80	120	45	58
24	20	90	50	40	50	35	40	135	55	95	85	50	50	190	130	120	355	235	65	60	50	40	35	45	88
25	20	25	15	5	10	15	15	10	15	20	35	20	10	40	50	120	80	265	110	65	75	25	40	25	46
26	45	65	85	40	10	10	20	40	60	30	40	35	45	35	35	90	75	20	35	80	110	160	80	50	54
27	45	60	45	25	25	65	80	40	60	25	45	75	65	135	205	190	50	65	125	210	150	35	55	15	79
28	30	10	30	25	40	20	40	20	20	70	90	35	55	55	145	175	120	105	65	55	40	45	15	50	56
29	15	15	15	10	10	5	15	20	140	60	125	50	70	65	60	100	140	160	95	135	95	215	65	20	71
30	30	30	55	235	95	130	40	30	25	40	35	25	70	200	175	110	310	340	335	285	255	295	300	110	148
31																									
Mean	49	47	39	50	44	48	67	53	67	48	49	55	68	87	120	113	132	147	151	131	107	117	88	54	80

Table 10 Baker Lake

Hourly Ranges of X in gammas

October 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	50	45	50	65	90	175	150	55	125	775	365	125	150	130	185	70	185	195	185	390	295	160	90	55	173
2	60	150	760	195	165	170	370	85	75	310	205	85	150	105	165	105	60	170	180	135	90	90	125	40	169
3	50	15	20	25	130	260	280	45	45	90	320	285	65	90	140	80	105	45	30	70	35	85	55	60	101
4	60	30	25	15	15	15	15	65	40	20	50	40	30	100	130	165	165	285	540	405	340	265	115	95	126
5	95	140	70	70	75	130	335	215	80	85	30	55	85	80	65	175	205	380	65	90	215	265	240	215	144
6	55	70	320	610	190	115	235	115	115	65	85	430	210	210	125	240	275	435	340	420	230	150	175	235	227
7	180	145	180	200	345	75	115	50	90	820	255	325	470	90	100	260	255	195	120	105	250	120	70	30	202
8	50	110	145	120	60	35	55	30	55	60	130	60	50	110	220	175	235	115	205	260	145	150	55	50	112
9	30	60	85	160	190	45	40	25	35	50	35	50	70	60	145	165	285	90	130	140	120	90	155	40	96
10	40	80	75	120	35	25	15	10	10	20	20	25	30	70	65	55	75	200	100	75	70	105	50	35	56
11	115	30	35	65	70	65	60	380	80	70	55	20	75	45	50	135	160	70	80	45	30	55	35	35	77
12	5	10	10	15	15	10	10	5	5	10	20	30	20	30	15	60	30	20	30	30	40	70	50	20	23
13	10	10	5	15	30	15	75	85	60	60	75	30	35	75	25	30	15	20	15	20	40	130	65	35	41
14	30	15	15	5	10	10	10	5	10	15	20	15	25	35	25	30	15	20	10	15	15	40	25	35	19
15	15	25	35	30	15	60	20	15	15	25	40	50	90	70	90	240	215	105	125	180	160	80	70	40	75
16	10	20	20	20	20	15	10	10	10	15	10	10	70	55	65	50	60	30	15	20	25	80	70	40	31
17	25	30	25	20	5	10	15	5	20	25	45	45	50	60	55	45	75	65	55	30	65	85	85	30	40
18	35	50	460	90	50	35	30	45	75	90	75	60	50	105	90	135	150	130	55	35	80	70	20	50	86
19	30	30	30	20	25	340	130	10	20	35	20	45	50	50	60	115	55	125	80	60	80	95	50	20	66
20	25	20	15	25	40	25	15	50	15	65	35	40	20	65	80	90	75	90	55	75	40	145	45	30	49
21	30	40	20	25	20	25	20	25	40	20	30	25	35	75	30	55	55	70	40	30	25	40	55	15	35
22	15	15	10	5	5	15	10	20	25	5	10	5	5	60	40	45	40	35	25	30	25	30	15	5	21
23	10	5	10	10	5	5	5	10	10	10	5	15	30	25	60	25	50	40	25	25	30	30	15	15	20
24	20	10	15	15	10	15	10	10	5	5	20	20	30	30	110	145	70	260	285	350	55	95	55	35	69
25	40	15	40	40	15	20	70	440	305	610	445	130	320	545	70	135	190	130	135	180	100	130	50	85	177
26	45	105	130	100	200	95	430	90	135	85	125	105	105	205	160	145	250	140	140	115	160	110	80	50	138
27	35	80	85	80	280	215	40	55	50	55	80	220	255	285	190	115	170	155	335	245	105	200	90	55	145
28	80	55	290	290	200	160	420	365	110	115	170	180	650	150	60	55	55				85	110	60	40	176
29	75	680	110	35	15	285	400	300	265	50	275	310	230	110	140	420	260	255	300	110	160	115	80	100	212
30	45	150	420	210	35	260	805	205	80	245	100	410	385	400	150	280	470	400	215	380	190	110	100	105	256
31	120	50	45	125	195	150	105	690	100	75	135	105	225	235	345	340	240	250	80	130	200	85	70	60	173
Mean	48	72	115	91	82	93	139	113	68	128	106	108	131	121	105	135	150	151	133	140	113	109	75	57	108

Table 11 Baker Lake

Hourly Ranges of X in gammas

November 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	25	30	45	35	240	175	195	75	110	20	50	35	50	85	80	85	180	95	50	70	25	50	40	25	78	
2	30	35	50	45	130	145	70	45	55	35	35	60	135	70	75	80	80	80	170	145	145	125	35	35	87	
3	25	120	120	35	15	100	105	40	40	30	70	70	70	55	60	110	120	80	145	110	230	110	65	20	81	
4	45	40	40	40	65	65	110	130	70	175	460	70	80	50	115	120	410	160	255	225	160	140	50	105	130	
5	145	35	15	465	655	240	265	35	40	20	10	20	20	65	110	120	75	65	55	45	30	35	40	10	98	
6	10	10	10	10	10	40	50	30	20	20	20	20	70	40	25	55	50	85	65	60	70	90	65	50	41	
7	20	15	80	150	50	45	25	20	20	25	15	25	20	35	50	35	25	15	20	10	10	10	10	5	50	
8	5	10	5	5	5	5	5	25	20	20	10	30	10	25	20	60	40	55	35	50	35	35	10	15	22	
9	10	10	10	10	15	25	20	25	45	50	30	40	20	40	35	65	20	35	35	35	20	25	35	5	28	
10	5	5	5	5	5	10	10	30	15	30	20	30	20	55	130	150	60	55	50	30	25	20	15	15	29	
11	15	10	20	20	25	20	20	35	25	75	125	200	70	100	50	70	115	80	75	50	90	90	100	65	65	
12	40	20	15	20	40	15	20	40	25	40	55	80	70	270	280	155	365	460	125	2230	1500	1080	945	840	410	
13	775	685	325	985	1025	450	1870	1200	1810	1025	2485	1804	2700													
14	450	555	280	190	40	205	400	240	70	190	135	135	115	250	165	175	280	290	420	135	110	105	120	105	215	
15	120	85	110	55	35	440	160	280	200	160	55	220	155	715	465	90	465	820	215	465	670	465	1020	680	339	
16	820	360	240	180	320	250	290	295	395	200	225	110	425	150	185	215	270	270	155	280	150	260	85	215	252	
17	60	40	55	75	115	70	45	25	55	110	90	60	50	90	135	110	245	145	210	185	60	35	80	120	95	
18	50	50	50	40	135	60	55	90	85	55	45	80	35	85	30	140	130	80	30	30	35	20	20	20	60	
19	20	10	10	20	10	10	15	10	20	20	55	80	105	50	65	65	55	35	20	30	20	35	20	25	34	
20	25	30	100	110	150	170	355	80	20	195	135	100	50	60	245	135	240	105	100	90	45	45	30	45	111	
21	30	10	10	35	35	530	545	530	430	135	175	150	185	245	285	315	185	90	350	220	105	130	90	110	205	
22	30	45	390	120	305	545	245	135	75	60	50	110	50	110	60	180	145	345	95	35	90	50	80	35	141	
23	35	30	140	85	160	30	505	230	50	35	85	90	80	80	80	80	140	60	50	65	75	55	70	75	100	
24	30	45	40	15	10	25	200	50	25	30	40	45	80	80	45	70	120	165	135	160	120	130	130	90	80	
25	65	55	60	30	550	305	240	45	60	50	190	590	155	70	145	175	130	100	285	115	45	110	60	30	138	
26	50	35	35	185	565	165	15	105	365	415	130	65	175	75	65	70	90	40	100	80	55	50	50	25	125	
27	20	20	15	20	15	20	310	160	55	80	40	40	45	75	190	200	110	125	155	235	190	145	55	40	98	
28	95	140	25	15	595	290	155	150	80	90	45	30	65	85	150	115	65	85	160	75	55	25	20	15	121	
29	25	10	15	10	390	375	120	70	25	35	75	50	70	100	110	120	50	50	85	35	60	50	40	15	81	
30	35	20	15	65	90	105	35	15	20	25	35	25	45	35	70	60	35	50	65	230	240	240	95	60	71	
31																										
Mean	81	65	69	72	165	154	158	105	87	84	86	92	87	112	121	118	148	142	128	191	154	130	120	100	115	

Table 12 Baker Lake Hourly Ranges of X in gammas December 1960

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	95	135	95	1200	550	295	240	190	70	70	70	75	70	85	70	135	135	50	125	205	195	55	115	120	185
2	30	45	40	30	330	160	290	30	40	80	105	160	175	270	310	115	220	225	180	65	75	50	40	30	129
3	35	20	10	40	280	195	30	25	30	90	35	35	35	75	145	125	75	55	65	35	30	50	40	15	65
4	10	20	5	5	5	15	35	100	95	25	50	50	70	110	175	80	120	150	100	70	40	30	25	15	58
5	15	10	5	25	355	190	125	120	70	10	15	80	140	95	85	75	185	100	105	170	100	35	30	10	90
6	20	10	15	20	30	115	70	50	30	70	55	115	215	65	95	95	45	35	25	75	45	55	45	15	59
7	10	20	15	20	380	270	155	70	30	35	30	55	35	70	75	155	120	95	210	270	200	60	120	35	106
8	25	20	20	140	140	640	320	75	50	25	55	50	60	50	140	125	55	55	20	30	40	55	25	30	94
9	25	30	20	15	35	70	170	215	190	70	60	75	80	95	85	140	195	120	160	95	60	65	10	20	87
10	40	35	30	30	45	220	50	70	25	45	35	45	80	135	90	95	120	135	80	40	30	25	15	15	64
11	30	15	15	10	15	25	440	350	40	50	35	45	40	60	60	70	125	160	55	60	100	35	90	55	82
12	40	15	15	30	30	60	55	65	45	40	45	120	100	80	110	255	190	250	120	210	245	70	60	80	97
13	25	10	15	140	165	335	180	60	20	30	20	40	190	140	125	80	40	35	25	20	45	20	40	20	76
14	30	10	5	15	10	5	45	15	50	115	50	95	145	110	60	130	25	30	25	15	30	10	10	20	44
15	45	80	140	105	140	95	55	135	110	105	245	100	70	95	55	80	90	25	20	25	15	15	75	30	81
16	55	40	15	60	30	50	60	220	280	55	205	90	40	25	30	65	60	70	75	55	50	45	45	90	75
17	35	20	15	10	5	35	35	65	45	45	20	25	35	20	30	50	90	45	35	65	65	45	45	40	38
18	10	15	15	50	240	90	405	325	125	40	410	180	55	30	50	55	60	220	160	130	85	45	40	30	119
19	25	30	35	40	20	20	35	310	70	40	115	135	110	170	160	70	130	170	95	145	120	65	60	35	92
20	55	65	15	445	560	135	70	40	75	105	80	85	90	135	125	130	110	160	150	315	205	130	50	105	143
21	165	160	115	35	35	160	25	20	35	60	25	35	300	210	160	160	240	230	140	195	315	70	140	45	128
22	155	65	40	25	135	170	600	115	45	105	65	110	200	215	55	100	60	130	130	140	70	70	90	55	123
23	55	35	25	50	55	275	175	120	80	50	40	60	210	175	225	320	105	135	65	125	100	55	35	65	110
24	30	25	80	75	25	35	75	35	10	40	45	70	60	40	105	100	350	235	130	115	60	40	90	90	82
25	30	50	110	75	15	15	25	20	130	90	75	60	60	60	75	125	115	50	35	35	75	90	35	40	62
26	110	95	25	30	110	390	135	30	90	50	50	30	105	65	80	135	65	30	40	65	55	55	40	25	79
27	45	30	50	140	300	50	30	655	325	100	120	300	315	240	195	60	120	85	40	75	125	70	25	55	148
28	45	35	35	15	30	15	35	20	30	35	105	390	215	125	110	190	90	130	105	220	80	55	70	35	92
29	50	410	230	140	20	20	80	370	110	65	170	125	100	45	55	125	110	220	75	190	120	100	60	40	126
30	10	5	10	5	600	320	30	30	40	95	55	40	40	120	105	55	60	260	280	320	135	30	60	20	114
31	15	35	10	15	30	490	230	50	220	125	160	45	40	60	145	55	130	145	95	70	55	30	30	30	96
Mean	44	51	41	98	152	160	139	129	84	63	85	94	112	105	109	115	117	124	96	118	96	52	53	42	95

Table 13 Baker Lake

Hourly Ranges of X in gammas

January 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	25	25	40	55	10	50	170	55	25	10	25	20	50	110	75	40	70	70	40	35	15	30	10	10	44
2	5	5	5	5	5	5	10	15	25	30	50	70	90	70	50	80	45	30	30	40	80	50	5	15	34
3	10	10	5	5	40	25	25	170	180	20	15	20	20	20	25	50	35	50	60	40	10	20	25	15	37
4	5	5	5	5	10	30	60	75	60	10	10	10	10	20	30	30	40	15	45	35	10	15	30	20	24
5	10	10	5	5	5	5	5	5	5	25	30	10	15	60	20	30	25	10	40	25	60	50	30	20	21
6	20	15	15	40	25	70	30	15	20	30	35	65	45	30	25	30	25	45	35	10	15	15	15	20	29
7	20	75	75	55	90	95	55	35	5	15	20	15	30	25	105	100	100	55	30	20	95	70	65	25	53
8	20	65	65	40	35	20	30	15	15	85	25	25	50	30	80	140	190	190	145	115	135	65	30	40	69
9	40	10	10	490	110	245	70	35	80	45	75	75	135	55	65	30	45	30	30	55	40	35	25	45	78
10	25	35	10	5	5	5	5	20	25	55	85	15	30	95	100	85	55	25	30	25	35	10	30	20	35
11	5	5	10	10	10	20	40	25	20	15	5	15	20	15	20	25	20	15	15	10	10	5	5	5	14
12	5	5	15	10	10	15	15	15	20	10	15	20	20	50	85	75	75	35	35	105	55	30	55	20	33
13	35	20	5	20	15	30	15	35	40	35	15	30	215	60	80	140	85	50	95	80	100	60	45	35	56
14	20	25	10	30	20	20	20	10	10	30	10	20	15	10	20	55	135	50	40	40	70	90	60	85	37
15	60	55	45	35	25	5	65	300	145	80	70	50	55	75	150	145	110	60	50	115	80	140	100	120	89
16	50	40	15	30	60	75	95	75	50	35	25	15	20	15	20	45	80	55	70	115	145	135	20	15	54
17	35	5	65	90	30	25	20	240	30	30	40	45	75	65	65	110	70	45	80	55	15	10	80	30	56
18	25	40	30	15	10	20	35	25	25	230	115	55	150	55	70	140	115	125	150	320	170	145	135	40	93
19	50	55	60	55	25	10	10	20	15	15	30	45	85	45	85	120	115	75	240	95	105	80	80	55	62
20	60	100	115	510	430	345	455	80	115	170	115	70	55	125	95	45	50	55	160	70	30	50	40	30	140
21	20	10	10	35	505	230	110	360	185	165	65	60	155	85	80	125	225	135	90	60	40	25	20	20	117
22	15	30	10	15	15	10	30	440	165	20	10	215	205	165	140	255	175	250	220	120	80	40	55	60	114
23	25	20	55	500	150	85	15	10	35	45	45	25	45	35	55	65	70	90	100	50	65	110	40	15	73
24	35	45	30	30	600	90	55	315	125	25	40	55	180	135	65	145	105	255	155	160	100	70	30	130	124
25	45	70	30	25	720	350	80	30	50	40	90	50	75	70	75	145	190	205	135	100	55	55	90	45	118
26	35	30	25	20	45	40	35	25	25	50	60	85	125	245	300	135	225	165	110	135	90	100	80	80	95
27	35	50	70	5	10	5	15	30	105	65	35	25	50	60	115	160	130	85	30	60	35	50	35	75	58
28	75	30	20	15	5	10	25	25	30	55	55	15	85	60	85	160	110	180	180	140	90	75	50	20	66
29	30	40	20	20	405	280	15	45	30	20	10	80	60	60	70	100	95	95	125	155	75	80	30	30	82
30	25	15	15	45	250	60	15	5	20	50	15	20	15	20	60	40	15	20	5	15	15	35	35	20	35
31	25	10	55	75	15	25	20	5	5	15	5	5	10	25	50	45	25	35	45	15	10	5	10	10	23
Mean	29	31	30	74	119	74	53	82	54	49	40	42	69	65	75	93	92	84	84	78	62	56	44	38	63

Table 14 Baker Lake Hourly Ranges of X in gammas February 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	15	10	5	15	10	5	5	10	5	10	10	5	10	15	55	35	20	15	45	45	80	70	20	10	22	
2	25	5	5	5	5	5	95	40	40	5	5	5	5	15	15	15	20	10	5	15	10	15	15	10	16	
3	15	20	25	15	20	25	5	15	25	40	110	45	55	90	100	80	130	110	110	60	45	50	45	35	53	
4	15	25	20	20	20	25	30	120	40	35	15	10	40	85	305	145	110	65	120	145	40	65	150	155	75	
5	55	40	45	80	65	50	35	550	350	30	75	30	20	40	40	75	40	80	55	30	40	60	20	10	80	
6	40	15	15	20	10	15	40	30	75	85	55	40	30	65	90	140	290	105	70	50	55	85	85	70	66	
7	35	35	20	30	15	65	150	15	15	10	10	130	60	35	40	110	75	125	45	35	125	55	70	65	57	
8	30	25	20	10	15	10	5	10	15	20	40	25	35	60	105	170	205	55	40	135	130	55	40	40	54	
9	25	30	35	30	10	30	35	15	5	10	30	10	40	45	60	140	95	55	30	35	30	50	45	20	38	
10	15	20	15	5	5	10	5	25	25	30	15	10	5	10	25	20	30	30	45	70	60	30	40	50	25	
11	35	30	40	20	30	20	10	5	5	15	75	100	65	55	55	60	50	30	20	20	60	50	60	15	39	
12	10	5	15	5	10	15	10	10	5	5	10	10	20	25	20	50	30	35	20	40	20	40	40	15	19	
13	10	15	15	20	10	20	50	150	30	105	425	190	110	115	70	80	70	205	200	65	40	55	95	95	93	
14	60	25	20	10	20	10	10	10	10	20	10	15	20	25	90	115	75	70	90	70	70	110	75	40	45	
15	45	10	25	15	20	40	420	100	25	35	35	30	85	40	60	70	65	75	45	30	35	20	10	20	56	
16	60	340	145	40	60	65	130	65	280	305	120	160	85	75	220	150	150	245	175	65	30	55	65	50	131	
17	35	10	15	5	10	10	95	100	110	70	85	70	135	280	360	150	245	140	170	190	310	260	240	65	132	
18	60	125	165	180	60	95	540	170	70	95	175	155	80	145	205	225	250	230	195	170	165	170	60	25	159	
19	70	15	20	15	20	35	55	285	230	85	55	50	550	430	195	295	215	275	90	60	105	170	90	70	145	
20	55	35	75	50	225	50	165	135	70	70	115	60	70	110	430	220	280	290	135	240	105	170	130	65	140	
21	35	30	65	240	165	140	210	110	95	70	80	60	105	130	120	265	490	235	270	175	200	150	125	55	151	
22	50	25	30	200	230	90	35	115	110	50	50	35	80	95	145	100	120	145	80	70	130	105	120	35	94	
23	60	20	10	10	15	35	345	505	40	45	30	30	55	50	85	100	70	75	65	85	80	110	55	50	84	
24	30	15	20	20	25	90	215	30	35	20	20	20	40	55	50	25	20	30	40	20	20	10	10	10	36	
25	15	5	5	5	5	5	5	5	5	10	50	25	35	30	15	25	10	85	40	10	20	10	25	50	21	
26	30	5	10	10	5	5	5	5	10	10	15	10	15	20	95	60	60	70	115	25	45	45	55	20	31	
27	35	10	15	15	35	45	10	10	15	20	15	15	30	50	125	180	60	55	50	30	50	25	25	30	40	
28	60	15	10	15	20	35	10	25	60	40	30	75	55	90	210	75	75	60	75	85	115	120	105	35	62	
29																										
30																										
31																										
Mean	37	34	32	39	41	37	97	95	64	49	62	51	69	81	121	113	122	106	86	74	79	79	69	42	70	

Table 15 Baker Lake

Hourly Ranges of X in gammas

March 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	50	15	20	10	60	30	20	10	20	15	15	20	110	40	80	20	40	40	25	50	25	55	90	55	38	
2	20	60	40	20	20	170	70	65	80	25	15	20	10	25	55	35	95	35	60	35	50	25	95	20	48	
3	35	15	15	10	10	10	10	10	15	15	15	10	15	65	45	25	30	30	25	35	35	15	10	5	21	
4	10	5	5	5	5	5	5	5	5	5	10	20	25	45	65	85	45	10	10	15	20	20	25	25	20	
5	10	5	10	25	30	20	5	10	10	30	20	10	10	15	15	40	55	80	50	100	130	70	20	60	35	
6	40	45	180	80	35	40	20	40	35	45	30	30	190	130	35	90	60	75	45	30	20	15	10	30	56	
7	10	5	5	5	5	5	5	5	5	5	5	10	15	35	100	50	60	70	15	15	40	60	50	25	25	
8	25	10	10	10	10	15	10	10	25	10	20	10	20	50	50	50	30	55	60	75	90	85	85	55	36	
9	35	20	30	25	15	10	20	5	15	20	15	10	15	135	95	175	140	135	150	120	50	75	95	85	62	
10	75	55	25	30	65	25	40	45	460	545	315	80	65	90	80	165	205	95	75	75	65	110	35	15	118	
11	25	10	10	5	45	35	20	25	25	40	30	55	70	45	50	90	160	70	50	170	35	65	25	80	51	
12	60	60	20	5	10	10	10	20	25	10	30	25	60	80	70	45	40	125	60	30	40	35	60	75	42	
13	30	25	30	20	15	5	20	60	190	45	15	50	40	45	175	85	285	150	60	115	35	65	30	40	68	
14	45	45	470	400	90	70	110	300	70	90	115	100	120	120	100	150	235	335	315	175	115	85	60	60	157	
15	60	20	20	40	565	415	40	30	25	105	125	110	120	130	110	240	195	140	65	155	140	210	195	65	138	
16	50	35	45	40	95	570	140	350	210	45	20	60	110	95	165	125	250	115	100	30	50	40	40	15	116	
17	30	20	40	20	25	20	35	50	60	100	70	55	65	120	80	100	110	95	90	40	45	40	45	35	58	
18	25	15	35	15	15	10	15	15	15	5	5	15	20	55	50	60	100	235	275	105	50	140	75	55	59	
19	35	30	25	25	95	410	115	80	70	45	50	70	185	240	380	335	850	510	180	180	260	140	75	120	188	
20	70	50	15	35	80	460	30	15	40	70	290	345	110	120	285	305	175	205	355	175	175	65	70	35	149	
21	95	35	40	30	350	30	40	100	125	35	25	80	65	80	160	215	145	185	120	205	55	45	85	85	101	
22	15	70	135	95	40	395	320	415	200	60	55	100	55	105	135	105	105	90	100	120	40	40	35	25	119	
23	55	35	15	50	85	450	475	130	60	50	40	40	110	150	125	150	175	350	150	60	60	60	35	50	123	
24	55	30	15	20	5	55	30	35	35	20	105	85	50	110	145	265	90	90	100	15	70	40	55	40	65	
25	15	15	5	15	10	10	5	40	15	15	15	25	40	45	50	55	90	40	55	45	80	95	55	55	37	
26	40	15	20	15	70	60	130	245	30	30	55	45	50	75	60	20	50	50	20	10	30	100	65	20	54	
27	50	20	15	5	30	15	100	110	40	30	40	40	80	130	90	390	270	590	375	295	260	75	45	20	130	
28	30	55	55	25	150	50	20	35	15	30	30	20	40	35	165	290	150	110	200	115	105	65	60	15	78	
29	20	15	10	10	10	15	10	10	10	15	35	40	55	15	40	55	35	15	60	50	40	10	30	25	26	
30	20	10	25	75	85	20	15	30	200	105	25	20	65	80	85	60	80	50	50	45	40	30	20	25	53	
31	15	10	5	10	5	10	5	10	5	5	5	25	30	85	60	165	120	45	60	55	40	20	25	70	37	
Mean	37	28	45	38	69	111	61	75	69	54	53	52	65	84	103	130	144	136	108	88	74	64	55	45	74	

Table 16 Baker Lake Hourly Ranges of X in gammas April 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	90	115	65	45	25	20	25	35	40	45	70	60	45	100	80	200	90	160	60	115	35	105	55	50	72	
2	90	10	5	20	35	50	50	40	40	20	25	55	55	100	65	110	110	120	155	130	120	35	80	45	65	
3	50	45	45	105	75	25	45	40	220	50	55	55	80	75	70	50	340	265	280	185	125	60	150	20	105	
4	40	80	15	15	10	15	45	75	15	20	20	50	55	50	30	55	45	45	35	20	10	10	70	35	36	
5	50	20	30	35	165	20	15	15	25	15	15	45	30	10	85	65	60	15	50	20	30	10	50	50	39	
6	35	25	20	30	10	20	10	10	15	10	15	10	25	50	40	90	40	100	90	45	75	60	95	40	40	
7	110	50	35	30	30	10	20	20	15	20	45	35	55	45	45	45	60	45	60	90	35	25	80	75	45	
8	30	25	15	10	20	20	15	40	105	15	50	25	35	40	60	35	45	45	40	85	30	80	45	35	39	
9	15	20	30	40	45	15	20	15	35	50	460	440	220	110	90	40	90	280	205	120	55	35	60	50	106	
10	40	40	35	15	45	120	155	190	50	100	160	55	70	75	205	185	165	200	100	170	125	75	155	85	109	
11	30	45	100	120	300	180	30	75	35	70	40	45	85	95	235	170	160	315	170	80	80	665	90	60	111	
12	25	15	10	20	5	25	35	175	90	15	15	45	70	85	145	80	140	105	75	55	100	35	30	35	60	
13	40	15	10	5	180	105	45	40	20	35	15	35	30	55	200	335	420	75	135	85	70	75	15	90	89	
14	40	70	25	20	20	25	35	40	185	165	90	170	305	150	290	120	200	215	115	120	115	100	60	65	114	
15	50	105	100	730	70	350	680	105	70	60	35	45	70	125	165	140	270	360	155	455	430	510	90	55	218	
16	40	55	20	45	25	35	15	30	40	25	20	75	85	110	95	265	180	130	190	190	160	60	135	105	89	
17	20	25	15	10	15	15	15	45	25	20	20	20	50	115	60	220	30	65	80	50	50	25	40	25	44	
18	30	30	15	25	35	30	105	40	65	55	30	40	40	100	50	45	40	35	25	30	25	40	65	50	44	
19	75	20	20	45	50	25	15	30	45	60	15	10	35	20	15	35	145	165	115	135	80	60	110	40	57	
20	65	65	30	30	15	15	15	30	90	30	15	25	30	15	105	120	35	30	30	25	50	50	25	40	41	
21	40	15	15	5	5	5	5	5	5	10	10	15	50	80	40	60	45	20	25	25	60	55	25	10	26	
22	25	10	10	5	5	5	5	10	10	5	30	50	40	110	95	135	200	145	80	170	90	210	65	35	64	
23	30	30	20	10	20	40	20	10	25	30	30	50	75	95	100	130	145	50	90	75	170	220	90	50	67	
24	50	35	95	75	20	15	10	10	10	15	35	30	50	120	80	185	275	175	90	245	90	120	65	85	88	
25	35	45	270	70	35	100	60	20	5	20	35	10	40	45	70	70	40	50	90	80	30	35	110	50	59	
26	30	35	35	20	40	50	40	30	10	10	15	55	95	60	60	80	235	145	200	50	40	100	55	100	66	
27	35	60	35	65	230	180	30	25	35	50	20	85	115	135	50	110	100	70	50	85	110	85	115	60	81	
28	65	35	45	50	65	75	25	35	15	15	35	75	50	50	50	20	35	50	60	50	65	35	65	50	46	
29	60	20	20	5	10	10	10	10	5	20	50	85	65	105	65	165	90	70	50	60	45	65	135	75	54	
30	65	45	25	20	15	10	10	15	10	25	50	50	100	110	170	140	180	100	25	125	55	135	100	65	69	
31																										
Mean	47	40	40	57	54	54	54	42	45	36	51	62	72	81	97	117	134	122	98	106	85	86	78	54	71	

Table 17 Baker Lake

Hourly Ranges of X in gammas

May 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	35	55	65	40	40	25	30	20	15	10	35	50	95	70	115	110	95	120	40	25	75	85	120	70	60
2	50	90	110	110	40	15	10	40	50	30	30	40	60	50	125	40	110	50	65	60	85	25	40	20	56
3	20	20	10	20	10	15	15	20	15	25	25	25	75	20	55	30	35	50	30	35	10	25	20	26	
4	10	5	10	5	5	10	25	15	20	30	35	20	45	75	30	40	45	45	55	230	240	210	75	190	61
5	65	60	35	60	35	30	50	80	70	30	35	75	140	85	295	70	255	490	525	370	110	140	215	115	143
6	80	105	55	45	110	300	340	50	65	85	85	120	135	315	190	205	285	215	130	145	350	120	115	55	154
7	75	155	75	50	55	35	135	510	130	105	35	80	70	90	245	100	80	290	175	90	75	250	180	115	133
8	55	15	35	25	135	180	60	25	20	30	55	45	100	105	135	55	130	80	115	110	140	100	65	80	79
9	20	15	55	60	100	75	135	120	50	250	160	90	55	95	95	150	135	75	40	65	60	165	65	80	92
10	35	30	15	10	20	120	25	30	25	35	40	45	130	20	75	105	25	95	25	40	75	130	125	170	62
11	105	55	50	80	50	60	110	70	35	35	55	85	70	80	160	250	295	450	305	110	80	130	110	70	121
12	75	110	180	110	305	75	170	100	40	45	70	105	60	95	95	120	105	225	100	130	120	85	60	65	110
13	155	190	195	60	225	60	35	25	40	45	95	160	210	220	160	250	95	125	135	55	125	80	60	90	120
14	100	80	470	525	60	35	30	90	30	60	65	90	50	55	50	140	65	20	45	55	50	55	30	30	95
15	10	20	15	10	10	10	10	25	25	35	50	30	30	90	100	105	85	115	60	70	60	80	130	120	54
16	130	90	55	40	60	60	130	180	85	95	70	135	160	150	115	530	250	110	265	90	140	55	55	125	132
17	80	25	25	10	25	55	25	20	35	75	40	85	90	50	130	100	50	45	50	80	30	45	70	45	54
18	45	45	20	25	25	10	10	10	20	15	10	30	40	80	45	55	50	45	40	30	10	25	20	30	31
19	30	50	40	40	15	90	90	20	20	30	45	50	55	100	110	50	75	100	95	80	70	65	20	45	58
20	60	60	85	20	35	35	30	35	105	145	55	75	115	125	105	155	115	70	50	60	45	30	30	25	69
21	50	35	60	25	15	15	30	15	15	15	10	35	25	55	50	50	55	40	50	80	55	85	40	70	41
22	30	40	40	20	20	20	25	25	25	25	55	45	100	75	35	55	155	230	345	250	80	105	60	60	80
23	35	15	15	25	110	40	35	40	30	25	50	30	55	70	120	295	150	160	90	100	170	100	60	90	80
24	55	215	225	185	30	40	35	25	25	35	15	25	45	160	90	95	65	65	50	60	40	115	55	60	75
25	55	40	70	65	95	560	315	60	45	35	50	30	85	105	160	155	215	275	415	175	165	140	85	105	146
26	55	165	70	25	25	10	30	40	20	25	35	45	50	105	115	125	85	50	35	45	70	45	35	60	57
27	50	20	15	105	55	20	50	35	60	15	60	55	45	50	80	85	60	45	30	35	70	50	45	20	48
28	20	15	20	55	30	25	15	25	20	40	55	50	120	95	90	200	80	195	70	140	100	115	120	55	73
29	10	50	10	55	50	60	60	35	10	25	25	20	35	25	20	20	40	60	50	25	35	40	40	30	35
30	60	45	30	30	30	10	25	50	45	40	25	70	50	120	95	120	130	220	35	40	30	60	90	90	64
31	35	50	75	40	175	230	35	65	60	80	220	130	60	195	185	205	420	360	405	225	85	105	265	100	159
Mean	55	63	72	64	64	75	68	61	40	51	55	64	78	101	111	132	124	145	127	100	93	92	81	74	83

Table 18 Baker Lake

Hourly Ranges of X in gammas

June 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	120	50	40	45	65	135	35	20	40	120	95	90	490	190	160	230	415	510	210	230	135	55	80	130	154	
2	100	160	55	40	55	45	45	110	240	200	110	80	90	135	220	610	510	390	250	125	40	25	40	30	154	
3	55	50	60	65	55	360	100	55	160	185	70	45	40	55	175	90	115	60	45	50	40	65	100	50	89	
4	65	20	25	535	515	220	100	55	75	110	50	50	125	355	220	110	75	45	75	45	75	40	45	115	131	
5	50	25	20	30	260	155	30	20	50	50	40	25	130	70	55	90	90	70	105	150	95	65	80	65	76	
6	60	25	35	270	65	45	40	45	50	40	35	20	115	60	135	165	240	475	500	270	195	140	165	60	135	
7	60	50	30	20	40	75	190	85	95	120	80	110	230	145	345	175	350	260	445	380	340	270	130	90	171	
8	115	350	170	80	70	75	125	60	120	75	65	70	40	100	80	80	85	175	105	185	130	130	150	50	112	
9	30	30	15	30	50	50	20	40	170	85	75	40	30	65	130	140	135	125	110	70	85	95	55	75	73	
10	40	40	30	35	20	35	90	80	35	30	20	140	155	85	40	15	25	55	20	20	15	20	35	30	46	
11	35	30	20	25	15	15	10	10	30	30	20	45	55	40	40	55	35	20	25	45	25	15	20	20	28	
12	25	30	30	50	40	95	65	10	20	50	70	65	50	75	115	130	155	50	30	25	50	75	40	40	58	
13	40	15	15	20	30	20	20	15	30	35	35	30	20	55	50	110	40	35	40	45	25	45	65	25	36	
14	30	35	35	5	10	5	25	10	20	60	25	20	25	15	65	75	35	40	35	40	70	25	45	190	39	
15	65	35	45	30	30	40	30	35	30	60	35	85	120	95	120	110	210	140	120	90	65	40	100	90	76	
16	80	135	115	30	25	15	15	15	30	60	50	40	35	115	90	150	115	200	60	60	75	75	100	20	71	
17	25	25	55	80	80	15	10	25	15	15	60	50	70	70	55	60	45	105	35	50	60	50	65	45	49	
18	70	30	25	30	40	35	20	30	35	55	30	75	55	105	155	60	220	85	220	140	265	150	145	35	88	
19	40	90	55	75	35	55	45	35	25	25	30	20	70	30	85	110	75	30	45	75	35	45	40	35	50	
20	40	80	50	35	50	30	70	30	70	70	30	25	40	50	45	60	55	40	60	70	90	125	210	125	65	
21	90	75	135	85	60	35	35	85	70	70	100	130	115	95	155	120	250	315	95	230	265	70	145	230	127	
22	140	150	125	120	130	180	245	45	135	85	410	165	100	135	150	285	110	200	165	160	200	200	160	50	160	
23	55	55	65	15	15	10	10	10	20	40	25	35	90	65	120	50	155	65	115	90	160	90	195	45	66	
24	60	60	65	70	40	35	40	15	10	10	30	45	35	75	125	40	105	45	85	80	30	50	40	160	56	
25	90	60	60	45	50	30	35	20	30	25	65	50	115	80	70	150	280	110	95	75	50	190	275	190	93	
26	35	65	45	25	20	20	20	10	10	25	60	15	75	25	265	160	70	115	115	55	40	30	45	15	57	
27	25	25	25	30	15	40	25	240	60	30	75	45	60	100	70	120	95	60	15	25	15	35	15	35	53	
28	25	30	20	30	20	15	25	10	20	60	35	45	90	115	45	70	75	30	60	25	80	50	70	70	44	
29	100	40	100	130	150	50	55	40	65	95	70	75	100	140	115	150	100	95	55	75	70	100	70	45	87	
30	50	40	50	20	35	25	30	10	15	25	20	20	45	25	25	55	30	130	15	45	25	60	45	45	36	
31																										
Mean	60	63	54	70	70	66	53	43	59	63	65	58	92	91	120	127	143	134	114	101	94	81	92	74	83	

Table 19 Baker Lake

Hourly Ranges of X in gammas

July 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	65	35	65	45	50	30	75	70	125	90	70	80	105	85	60	55	150	55	90	30	25	65	45	25	66
2	25	20	20	40	45	90	80	30	150	25	70	85	30	90	140	190	135	225	95	100	120	95	70	45	84
3	80	65	20	20	30	15	115	165	55	80	60	250	345	100	100	190	215	115	150	45	115	110	60	60	106
4	55	40	50	30	50	45	25	30	30	35	45	40	45	65	70	105	85	80	70	95	280	290	65	90	76
5	150	115	230	80	135	110	135	230	180	160	175	90	145	280	330	365	180	100	140	325	145	225	160	100	179
6	140	55	50	460	180	40	30	85	195	30	35	25	30	90	90	140	65	130	65	80	90	70	50	50	95
7	85	45	220	100	100	75	65	240	80	50	40	80	65	65	110	130	165	110	105	100	45	45	115	60	96
8	50	55	35	75	90	35	150	65	45	220	105	85	35	180	220	300	100	140	70	120	140	120	100	160	112
9	45	15	75	60	105	50	220	125	15	50	20	60	40	55	80	85	210	205	70	30	20	35	80	35	74
10	85	55	65	30	245	225	20	85	95	45	85	70	75	90	110	210	150	190	80	60	100	145	130	60	104
11	35	55	85	25	40	40	35	35	50	30	50	55	65	100	80	115	140	200	115	75	60	85	100	85	73
12	100	55	55	35	20	35	75	55	35	100	85	90	100	35	110	90	75	145	120	35	55	65	35	20	68
13	30	20	20	30	25	55	65	35	45	60	45	290	920	520	1390	2325	475	1350	1000	775	1675	425	860	600	543
14	455	90	120	90	135	60	95	100	290	1450	250	225	95	175	190	225	135	180	145	215	245	175	350	170	236
15	120	50	30	25	55	50	30	15	35	30	65	45	135	130	215	150	140	105	220	260	260	95	100	50	100
16	145	185	95	70	35	95	160	45	65	90	60	50	75	80	350	80	145	160	210	365	290	120	70	55	129
17	120	40	45	30	60	200	165	20	25	45	65	80	100	110	255	95	60	145	850	1100	550	155	95	180	191
18	130	130	145	60	100	800	100	35	45	60	70	220	1100	200	380	160	100	225	80	180	30	40	60	100	190
19	175	135	110	70	30	30	20	25	20	30	15	40	35	165	85	85	55	35	60	25	20	65	170	90	66
20	20	50	80	45	85	120	475	380	160	100	60	70	75	60	70	80	70	195	190	255	160	230	240	205	145
21	35	75	55	125	90	50	65	50	225	100	75	70	65	70	50	140	55	225	205	225	140	135	70	45	102
22	65	70	55	40	30	45	60	45	90	60	85	105	60	160	65	155	75	110	60	60	35	35	65	90	72
23	50	30	15	10	10	15	30	35	35	40	200	165	155	130	155	280	340	595	150	100	95	180	105	45	124
24	80	100	80	125	35	155	55	20	20	75	45	30	30	85	45	85	115	55	60	70	90	85	95	80	71
25	60	720	580	155	130	55	85	145	50	100	75	65	60	210	115	175	65	75	85	180	60	225	50	65	149
26	155	80	20	180	130	55	70	50	35	60	90	35	50	25	180	90	80	90	50	120	800	800	680	835	198
27	400	200	145	65	95	240	170	100	1040	780	500	290	120	290	280	120	210	320	750	280	505	280	280	60	313
28	105	60	60	40	35	115	80	20	270	250	25	60	115	115	155	235	75	110	120	120	145	190	75	95	112
29	60	50	40	30	370	200	40	35	45	40	40	65	70	190	115	120	150	35	45	75	30	140	40	15	85
30	35	20	40	30	30	40	35	205	35	45	40	25	75	85	100	55	175	55	35	95	85	100	125	85	69
31	55	25	10	10	15	10	15	35	15	20	25	50	65	110	145	90	25	45	50	75	65	65	30	45	46
Mean	104	88	88	72	83	103	92	84	116	140	86	96	145	134	188	216	136	187	179	183	209	158	147	119	131

Table 20 Baker Lake Hourly Ranges of X in gammas August 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	40	45	40	65	55	15	25	15	25	10	40	70	40	55	45	70	105	55	45	70	35	60	65	35	47
2	245	130	80	40	60	95	70	30	60	125	135	75	110	180	80	115	395	150	410	215	520	70	190	70	152
3	60	40	35	280	150	265	35	50	50	105	65	90	100	160	140	215	70	180	160	240	410	280	180	90	144
4	180	95	105	60	30	65	235	80	60	50	65	85	100	65	75	140	170	120	80	200	85	80	95	60	99
5	35	35	45	30	65	260	85	40	35	150	220	115	140	85	140	115	160	120	110	120	100	35	110	115	103
6	30	45	50	50	20	15	10	25	25	45	60	70	40	100	130	75	80	75	120	75	30	125	85	55	60
7	10	15	30	15	5	10	20	15	25	20	25	35	60	125	90	70	60	20	30	55	15	95	70	70	41
8	35	45	15	20	25	100	370	130	60	95	70	30	40	130	220	240	210	230	130	260	30	145	160	70	119
9	25	20	35	15	30	25	60	15	10	15	25	70	65	25	45	55	140	90	50	80	40	30	15	40	43
10	25	50	65	65	20	40	10	20	40	60	30	30	95	145	150	190	125	170	90	65	60	45	60	55	71
11	105	50	150	55	40	30	25	20	70	40	75	25	70	170	100	250	70	485	80	90	140	30	50	55	95
12	80	25	30	50	30	20	25	20	15	40	40	25	25	15	110	55	105	60	55	85	115	140	100	20	54
13	60	55	90	60	10	20	15	10	10	10	15	20	15	40	40	20	15	20	25	45	20	20	25	25	29
14	20	10	10	5	5	10	35	35	20	20	45	75	230	80	110	125	305	160	160	90	35	35	20	20	69
15	30	25	25	15	15	50	20	55	130	15	20	35	80	115	70	95	75	90	95	40	65	45	40	35	53
16	70	65	20	20	410	250	20	10	10	10	20	20	20	35	115	70	55	45	70	20	35	65	45	55	65
17	25	110	35	20	20	20	15	15	20	35	90	45	35	65	55	25	65	35	65	70	55	110	55	35	47
18	15	25	25	10	10	15	20	20	15	25	45	50	30	75	175	100	75	40	30	30	25	45	50	25	40
19	30	30	45	40	40	35	10	30	30	20	35	45	65	55	90	100	115	40	70	55	30	110	90	30	52
20	25	20	10	10	20	10	5	10	10	10	35	90	60	40	60	130	135	160	135	75	50	75	25	40	52
21	40	55	40	10	15	25	70	95	30	15	15	30	35	85	155	65	90	115	10	30	65	30	25	45	50
22	15	15	10	15	10	5	10	5	5	10	10	15	25	25	20	30	30	15	30	25	30	25	30	10	18
23	35	50	15	5	15	10	25	15	25	20	20	15	25	50	25	35	35	45	25	25	40	45	30	10	27
24	5	10	5	5	10	5	5	10	10	5	20	20	60	40	55	40	90	120	100	55	75	105	35	20	38
25	45	20	15	20	20	15	15	20	15	30	40	70	25	65	110	90	50	90	50	60	60	120	70	90	51
26	25	50	30	15	40	10	30	15	20	80	40	60	25	165	40	40	30	20	30	60	65	105	130	25	48
27	40	85	45	25	20	30	55	35	25	25	15	15	45	35	100	130	90	35	50	55	35	55	40	60	48
28	80	30	50	20	15	15	15	10	10	10	30	20	90	60	30	45	25	25	40	55	30	25	20	35	33
29	40	20	35	10	10	10	5	5	10	5	25	20	20	70	60	65	55	135	360	340	370	105	120	35	80
30	40	35	70	30	40	170	100	25	40	85	140	165	615	410	180	110	245	150	375	110	110	200	90	50	149
31	30	45	125	100	145	60	45	115	270	80	35	55	100	130	175	325	105	240	165	175	130	120	110	60	122
Mean	50	44	45	38	45	55	48	32	38	41	50	51	80	93	96	104	109	108	105	96	94	83	72	46	68

Table 21 Baker Lake

Hourly Ranges of X in gammas

September 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	90	45	55	25	650	800	500	300	170	100	70	100	175	110	140	260	150	175	320	255	190	140	135	110	211	
2	50	60	25	105	60	35	80	175	60	130	60	45	65	85	110	125	150	125	70	45	70	105	45	90	82	
3	70	50	30	15	675	200	110	230	15	30	135	40	85	80	65	60	60	90	55	70	130	110	55	20	103	
4	70	30	15	10	10	25	25	180	40	55	15	70	30	70	50	55	60	45	30	25	70	40	110	70	50	
5	90	410	160	30	20	85	40	160	140	35	35	35	45	115	70	220	135	245	230	75	55	40	65	70	109	
6	40	25	30	30	95	100	5	10	15	20	25	35	60	25	90	55	10	30	40	30	25	20	30	10	36	
7	35	30	20	5	10	5	20	30	30	25	15	15	15	35	70	60	25	50	20	25	25	35	30	30	30	
8	20	10	15	10	10	15	10	15	15	15	15	15	45	30	30	65	35	20	50	40	60	55	40	15	27	
9	20	20	20	15	10	10	25	230	175	115	70	40	55	55	70	50	65	85	50	25	55	50	30	10	56	
10	80	45	30	60	10	15	10	10	10	15	30	40	30	70	135	80	60	110	70	25	35	65	140	55	51	
11	40	30	20	30	30	25	25	45	75	30	35	35	35	120	100	185	115	40	15	55	50	180	80	90	62	
12	35	40	30	40	55	35	170	260	15	35	45	60	90	170	85	125	75	75	95	55	60	100	45	35	76	
13	15	50	30	60	60	65	80	25	35	35	30	25	40	50	70	35	55	80	120	155	180	180	80	55	67	
14	75	55	40	40	40	35	50	55	260	90	20	105	155	170	205	60	95	35	60	30	85	75	270	170	95	
15	70	30	20	15	10	10	20	30	25	35	30	40	30	55	45	60	25	135	30	40	30	35	50	30	38	
16	25	30	20	15	15	140	220	25	150	20	55	70	60	40	85	130	85	165	90	65	175	195	55	35	82	
17	60	75	50	35	60	120	20	25	30	30	40	20	25	80	40	105	120	65	100	55	45	35	45	30	55	
18	40	30	25	20	20	80	60	25	20	15	25	15	45	65	125	65	160	85	30	30	30	55	45	10	47	
19	15	20	15	35	35	10	10	10	10	15	25	30	30	30	45	50	20	60	35	55	45	30	45	25	29	
20	40	20	25	60	55	15	25	25	25	20	40	15	25	30	55	90	190	85	155	95	130	55	30	25	55	
21	15	5	10	10	5	5	5	5	15	10	15	15	15	20	35	15	15	35	20	30	25	15	20	10	15	
22	20	10	10	5	10	15	5	10	10	10	10	30	55	85	70	90	70	20	60	50	35	50	15	35	33	
23	10	20	10	10	5	5	5	5	5	5	5	10	30	35	40	20	25	55	40	35	20	25	15	20	19	
24	15	20	20	5	5	25	45	30	25	140	180	295	150	525	270	380	250	765	505	525	460	155	70	65	205	
25	75	60	160	730	85	150	185	490	185	155	80	140	135	195	225	175	100	160	45	80	135	155	120	20	168	
26	95	555	365	35	50	305	255	70	50	35	75	70	75	155	90	95	130	180	115	105	80	155	120	95	140	
27	35	55	145	355	305	270	45	275	100	30	225	95	100	60	95	65	80	160	75	145	55	45	30	35	120	
28	15	20	20	15	15	20	10	30	15	25	25	15	20	25	15	20	140	50	45	20	60	180	125	75	42	
29	20	30	20	15	40	45	15	30	25	40	30	35	60	25	65	90	135	75	90	65	60	50	45	30	47	
30	25	15	10	20	110	40	20	25	15	25	40	20	40	70	45	45	50	30	55	90	245	805	650	475	124	
31																										
Mean	44	63	48	62	85	90	70	94	59	45	50	52	61	89	88	98	90	111	90	80	91	108	88	62	76	

Table 22 Baker Lake

Hourly Ranges of X in gammas

October 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	285	315	330	690	190	105	595	470	170	210	195	170	240	250	85	85	65	170	50	40	70	160	155	50	214	
2	35	45	10	20	20	15	20	40	20	10	35	30	80	90	100	85	55	110	110	45	35	35	40	25	46	
3	10	20	15	15	15	15	15	15	20	20	25	55	60	80	100	70	90	70	50	30	25	30	30	15	37	
4	40	30	20	20	35	15	10	10	10	10	25	15	45	60	165	85	215	125	125	70	50	55	60	40	56	
5	65	25	30	15	10	15	25	15	15	40	35	35	35	40	35	35	20	20	40	20	45	30	20	20	29	
6	15	15	15	5	10	10	25	30	35	45	70	15	30	90	50	70	130	175	30	50	40	50	50	35	45	
7	30	60	190	300	185	30	25	15	15	10	15	15	35	95	210	30	30	20	10	20	30	50	30	25	61	
8	10	15	10	10	15	20	25	150	50	50	50	30	60	180	65	110	65	60	35	20	65	25	65	25	50	
9	15	15	25	15	15	40	40	15	25	10	15	30	25	35	40	30	75	25	40	20	25	5	25	5	25	
10	10	10	10	10	10	5	5	10	5	5	5	15	10	30	55	55	15	30	30	30	55	30	30	5	20	
11	20	10	10	10	10	10	35	30	20	265	195	55	70	60	60	85	30	45	40	90	160	105	110	45	65	
12	35	40	105	45	25	55	15	25	145	85	40	45	30	65	95	95	60	60	120	70	65	105	65	45	64	
13	20	30	65	15	45	30	45	25	60	95	40	65	45	90	60	70	165	245	70	30	35	45	50	70	63	
14	95	40	70	20	15	10	30	110	170	45	35	20	80	65	115	100	85	40	20	15	40	55	20	35	55	
15	10	10	5	5	5	15	15	10	20	35	25	35	15	25	35	40	50	40	55	25	45	20	20	15	24	
16	10	10	5	10	5	10	15	10	5	10	10	20	15	15	55	35	25	10	10	15	15	15	10	5	14	
17	10	5	10	15	10	10	10	5	10	5	5	10	15	15	10	10	5	10	10	15	5	20	20	15	11	
18	15	10	10	5	5	30	10	15	5	10	5	5	25	60	60	60	40	45	20	20	10	5	30	15	21	
19	10	15	35	25	20	20	15	10	5	10	10	10	10	80	35	20	35	20	15	60	45	40	80	20	27	
20	115	75	40	30	50	80	55	110	25	60	55	25	20	30	35	60	75	70	40	35	20	15	10	20	48	
21	10	30	15	10	10	5	5	10	40	15	30	25	30	75	155	90	55	120	80	35	135	70	30	70	49	
22	45	35	15	5	15	20	15	20	10	20	45	15	35	40	40	35	125	30	60	40	50	50	55	10	35	
23	10	15	5	15	15	20	10	15	35	30	25	40	25	45	30	50	95	55	35	65	65	110	65	20	37	
24	20	30	15	20	205	170	235	110	50	40	40	25	30	80	40	65	50	55	50	50	15	20	35	20	61	
25	25	20	35	15	10	5	5	5	45	30	20	20	140	100	45	80	110	125	160	95	65	25	30	30	52	
26	20	20	25	35	20	105	100	15	120	295	295	200	160	205	130	140	170	25	40	300	320	40	50	55	116	
27	35	35	30	150	160	330	375	30	30	100	85	160	125	75	120	100	180	190	150	120	95	85	70	50	120	
28	20	10	15	40	15	10	10	10	290	115	230	245	375	155	125	120	95	95	140	265	320	170	175	160	134	
29	300	470	235	515	300	300	950	165	40	35	55	40	70	40	45	35	20	65	70	40	45	30	55	15	164	
30	10	10	5	10	10	10	10	10	40	30	15	80	65	80	260	130	100	70	40	50	40	35	25	25	48	
31	10	5	15	20	75	105	295	320	45	25	25	45	35	40	80	55	70	20	20	30	25	45	20	25	60	
Mean	44	48	46	68	49	52	98	59	51	57	57	51	66	77	82	69	77	72	57	58	66	51	49	33	60	

Table 23 Baker Lake

Hourly Ranges of X in gammas

November 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	20	10	10	15	275	220	40	20	45	25	15	30	50	55	70	30	20	30	25	35	20	30	35	25	48	
2	15	15	5	10	5	5	10	25	50	45	165	90	65	115	105	120	75	80	60	30	35	40	20	15	50	
3	10	10	20	20	220	110	20	20	15	15	25	35	45	35	85	30	35	20	30	20	25	20	15	20	38	
4	10	10	5	5	10	25	15	15	30	15	10	5	20	70	70	70	35	45	45	105	80	35	45	40	34	
5	30	20	20	15	20	30	85	35	85	140	125	175	100	145	115	160	145	130	145	65	105	80	65	15	85	
6	45	25	10	710	595	360	245	75	470	440	40	60	110	65	30	90	145	65	45	50	45	30	15	50	159	
7	35	45	20	20	355	190	250	60	90	150	120	490	95	175	130	135	195	60	150	105	145	95	115	35	136	
8	85	235	275	55	160	75	25	505	45	35	30	55	50	50	60	70	90	90	50	60	90	60	25	45	97	
9	20	40	240	125	220	200	235	60	220	115	30	50	95	205	230	155	95	180	75	115	50	40	30	45	120	
10	20	25	15	30	235	210	105	110	15	20	25	45	65	60	135	160	90	60	35	50	55	55	15	10	69	
11	20	15	20	5	10	5	5	10	10	10	15	10	50	25	35	80	55	30	35	25	45	65	35	40	27	
12	50	15	20	55	20	75	30	30	45	25	25	60	85	95	60	80	115	140	90	30	75	60	45	15	56	
13	15	15	20	10	35	45	5	5	5	5	15	30	25	20	40	25	20	30	20	35	55	75	20	20	25	
14	20	20	25	15	275	110	50	385	415	65	50	30	80	40	50	75	60	40	120	45	95	100	50	30	94	
15	15	15	10	10	10	10	15	5	10	10	15	10	20	35	20	40	25	20	40	25	35	15	10	10	18	
16	10	10	10	5	20	10	10	20	20	20	20	10	45	70	55	35	35	30	20	30	55	30	35	45	27	
17	20	20	15	15	20	15	15	10	20	35	15	25	30	40	150	225	350	135	100	95	75	45	35	135	68	
18	125	50	60	30	50	280	440	280	265	535	540	225	745	295	445	105	150	150	175	160	155	20	30	20	222	
19	15	20	495	275	250	30	55	130	35	30	55	35	55	50	20	80	120	60	50	20	25	25	15	20	82	
20	20	10	25	35	25	180	285	425	330	145	75	55	75	90	165	135	130	95	105	120	130	40	20	20	114	
21	30	75	75	30	25	30	25	25	35	20	10	40	15	60	20	70	100	85	95	70	85	35	20	40	46	
22	20	35	20	10	20	30	25	35	20	20	30	25	25	25	70	60	55	35	20	15	20	35	10	10	28	
23	5	10	10	5	5	5	5	10	5	10	5	5	20	30	60	40	25	30	30	20	10	25	35	20	18	
24	10	5	10	5	15	10	10	10	25	25	15	10	25	45	30	20	35	30	40	40	35	15	15	10	20	
25	25	20	15	10	15	10	10	10	70	180	45	30	80	80	15	20	45	40	45	20	50	20	20	10	37	
26	10	15	15	5	15	20	105	190	5	15	20	95	65	60	50	50	40	30	35	60	30	50	25	15	43	
27	25	10	10	10	15	10	5	10	25	25	20	30	25	35	60	140	30	25	50	50	15	25	15	5	28	
28	10	15	5	20	5	50	5	5	5	5	10	15	20	25	85	40	35	40	50	50	30	25	25	20	25	
29	25	10	25	30	35	110	10	10	10	15	20	20	40	30	25	15	25	10	15	25	15	15	5	5	23	
30	10	10	5	10	5	5	5	40	25	10	5	15	15	50	25	20	15	20	35	35	35	20	45	40	21	
31																										
Mean	26	28	50	53	99	82	72	86	82	74	53	60	74	72	84	79	80	61	61	54	57	41	30	28	62	

Table 24 Baker Lake

Hourly Ranges of X in gammas

December 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	25	10	5	10	5	15	45	25	105	100	205	125	105	450	410	120	165	205	185	175	315	135	95	70	129	
2	25	85	80	70	145	440	125	50	30	60	220	210	75	95	110	45	40	40	55	70	185	110	30	110	104	
3	100	70	20	160	435	80	195	275	140	360	220	230	640	145	215	120	100	210	165	60	155	140	35	40	180	
4	45	105	115	140	110	50	185	115	70	160	80	55	40	125	110	85	50	45	100	80	105	70	55	40	89	
5	25	10	10	40	55	70	30	30	25	40	30	15	55	110	160	110	180	85	140	145	65	55	55	35	66	
6	30	30	15	85	140	200	65	15	20	15	30	20	70	95	90	65	40	220	265	140	60	25	30	25	75	
7	10	10	30	30	20	20	5	15	15	35	25	75	80	155	55	35	50	95	65	35	25	10	10	10	38	
8	10	10	5	5	10	5	10	15	30	15	45	65	35	50	50	30	25	20	10	15	30	10	10	10	22	
9	5	5	5	5	5	10	80	150	15	55	15	25	35	45	50	50	35	30	40	40	30	30	25	20	34	
10	25	10	5	5	10	5	10	10	5	15	30	60	70	60	45	75	40	70	85	150	110	55	45	10	42	
11	20	25	10	90	65	50	55	20	65	170	75	60	60	105	105	40	30	35	20	40	25	40	30	25	53	
12	10	15	15	20	15	10	10	5	5	5	15	10	15	25	40	45	35	60	10	30	25	20	15	5	19	
13	10	10	5	5	5	5	5	5	5	5	10	15	15	15	30	40	55	25	65	55	120	40	30	10	24	
14	65	30	5	5	5	25	15	10	10	15	15	25	25	25	20	25	25	50	30	25	25	30	5	22		
15	10	10	10	20	45	275	100	35	45	35	25	35	20	130	120	60	65	30	20	25	40	40	65	20	53	
16	30	30	20	15	5	20	200	265	140	10	35	35	80	130	90	135	45	30	45	15	30	30	30	10	61	
17	30	10	480	300	215	45	25	15	10	15	15	45	35	20	40	55	45	35	30	35	20	20	30	10	66	
18	15	5	35	155	60	15	10	10	10	5	10	10	15	20	15	15	15	15	10	20	25	10	10	15	22	
19	15	10	5	5	15	135	175	20	15	5	5	10	20	25	10	20	20	20	25	25	15	5	15	10	26	
20	10	10	10	10	20	20	25	85	50	10	20	35	40	45	50	20	20	20	40	50	45	65	25	5	30	
21	10	10	10	15	35	30	15	5	5	25	20	20	20	20	15	15	20	15	15	25	35	15	50	40	20	
22	20	10	10	10	15	105	25	10	5	20	20	30	35	70	60	90	130	50	70	35	40	30	35	25	40	
23	20	15	30	205	195	90	30	110	150	55	15	35	60	70	165	65	70	55	35	35	35	50	25	90	71	
24	35	50	10	50	35	255	220	10	35	20	20	30	60	145	120	145	100	55	75	50	25	30	30	10	67	
25	10	5	10	5	5	5	5	10	10	40	30	15	75	95	100	40	45	70	40	30	15	15	25	40	31	
26	20	10	15	10	15	100	175	125	50	50	60	65	50	65	105	50	45	50	60	20	10	15	15	50	51	
27	25	45	35	20	35	15	10	290	60	20	20	35	45	55	55	50	120	45	35	55	70	25	35	15	51	
28	15	10	15	35	25	15	15	105	55	35	55	190	150	90	100	80	115	175	90	105	50	55	90	25	71	
29	20	60	110	70	80	25	25	10	15	25	70	55	170	120	65	150	80	175	135	80	60	95	75	85	77	
30	45	25	30	35	55	445	90	155	155	100	60	80	70	45	55	40	95	145	105	75	40	40	15	65	86	
31	60	10	20	5	25	20	90	25	25	10	20	70	50	40	80	85	85	65	90	85	130	50	55	35	51	
Mean	26	24	38	53	61	84	67	65	44	50	49	58	75	86	88	65	64	72	70	59	63	44	36	31	57	

Table 25 Baker Lake

Hourly Ranges of X in gammas

January 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	35	15	15	465	260	110	30	5	35	20	20	20	30	35	40	25	50	40	30	15	20	20	35	40	59
2	20	20	55	115	140	180	210	150	60	95	85	45	30	80	85	60	75	80	60	20	25	35	40	15	74
3	10	5	5	5	10	15	20	10	15	20	20	15	45	60	60	25	45	20	15	20	20	15	25	5	22
4	10	20	10	10	5	10	10	10	20	20	40	20	30	50	35	45	20	10	15	10	5	5	5	5	18
5	5	5	5	5	5	10	10	10	10	10	10	15	15	15	15	15	20	15	5	5	5	10	5	15	10
6	10	5	10	15	5	15	25	10	5	25	30	10	10	15	15	55	50	35	35	15	20	15	5	10	19
7	5	5	10	10	5	5	5	5	5	10	10	15	10	20	40	70	30	85	35	45	30	35	40	25	23
8	10	10	10	20	10	10	10	30	10	25	40	20	35	30	45	75	75	65	35	35	10	15	30	10	28
9	20	5	15	40	20	15	5	15	30	10	15	25	80	95	40	190	110	100	60	50	60	30	50	20	46
10	35	40	35	100	625	160	25	35	25	55	55	555	425	320	105	45	115	235	155	120	160	75	70	55	151
11	30	15	20	280	160	70	480	165	80	60	50	65	70	140	155	175	140	205	140	150	125	40	40	45	121
12	60	15	10	180	235	130	80	15	35	15	15	15	25	35	25	40	35	30	40	40	30	30	95	25	52
13	25	20	10	10	30	340	160	40	65	35	20	30	65	60	95	70	95	60	35	35	25	20	20	20	58
14	20	10	15	10	10	5	10	25	15	20	20	30	45	85	90	95	210	190	210	165	90	70	65	180	70
15	80	20	30	30	285	70	10	45	20	35	45	35	30	60	100	135	115	90	110	80	125	125	60	75	75
16	30	50	65	55	25	25	25	240	35	30	25	50	220	230	155	195	160	145	70	90	65	60	65	35	89
17	25	15	20	185	395	345	60	45	15	10	15	5	35	40	50	60	70	65	40	25	30	90	15	15	70
18	15	5	10	10	10	5	30	130	15	15	10	25	20	45	55	70	50	70	70	50	20	20	15	15	33
19	15	35	25	20	15	25	25	125	145	75	35	10	45	120	50	35	60	75	120	65	45	60	80	60	57
20	25	10	10	10	10	10	5	15	20	20	10	10	25	25	30	150	60	35	35	20	60	40	40	20	29
21	15	40	60	45	50	55	15	95	115	55	25	45	50	80	90	50	90	50	30	20	50	40	40	35	52
22	25	20	5	5	10	5	25	25	150	30	5	10	20	20	30	25	10	10	5	5	5	10	5	15	20
23	5	5	5	5	5	5	5	5	10	20	5	10	15	15	25	50	10	15	10	10	20	15	15	15	12
24	10	5	5	10	5	5	5	10	5	5	5	5	10	45	30	10	10	5	15	15	15	15	20	10	11
25	10	20	20	10	10	15	20	60	15	25	35	20	15	20	20	40	85	35	20	30	15	30	50	30	27
26	30	25	15	5	10	15	25	15	15	25	55	40	70	50	95	45	165	90	105	40	15	60	35	10	44
27	25	10	5	15	45	70	40	30	100	65	95	35	50	55	60	80	95	70	35	105	50	45	45	80	54
28	30	5	10	5	25	20	20	20	20	40	20	45	20	15	15	35	55	35	50	30	20	30	20	25	25
29	15	15	10	5	350	35	15	15	25	25	25	40	30	105	95	60	30	10	25	15	5	10	40	45	44
30	15	25	15	30	30	30	10	245	20	10	25	25	40	70	60	105	45	15	20	25	35	30	15	15	40
31	35	10	15	5	10	5	5	5	5	15	10	15	10	25	15	10	20	15	20	10	10	10	5	5	12
Mean	23	16	18	55	91	59	46	53	37	30	28	42	52	66	59	69	71	65	53	44	39	36	35	32	47

Table 26 Baker Lake

Hourly Ranges of X in gammas

February 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	5	5	5	5	5	5	5	5	5	5	5	10	10	5	10	20	15	10	5	5	15	10	15	20	9	
2	25	10	20	40	10	15	15	50	35	75	80	50	30	65	45	30	50	50	55	50	45	60	55	70	43	
3	75	20	35	25	15	25	65	20	20	35	50	45	55	75	95	90	20	10	25	40	20	60	35	30	41	
4	20	30	15	30	15	25	25	50	30	65	85	95	160	235	170	70	100	115	245	215	130	220	85	180	100	
5	55	55	20	45	35	30	20	15	30	30	35	35	70	70	70	15	75	145	100	15	10	25	30	30	44	
6	10	25	15	15	15	30	35	15	10	20	25	20	45	55	70	50	25	85	55	40	70	45	50	35	36	
7	70	115	105	25	25	665	450	60	115	110	80	90	145	130	120	165	250	200	90	50	40	50	20	55	134	
8	20	10	15	5	25	70	10	20	55	40	35	30	135	105	45	50	30	30	25	35	60	65	15	15	39	
9	25	45	35	30	5	10	10	45	80	90	40	45	45	65	55	45	45	50	70	35	50	45	50	15	43	
10	20	10	5	10	10	50	30	20	15	10	15	15	30	80	80	15	20	10	15	15	20	20	35	5	23	
11	10	15	15	50	45	10	10	10	15	15	15	60	30	70	100	130	40	70	50	155	50	75	105	20	49	
12	60	55	80	40	20	20	25	50	45	75	60	50	65	90	75	120	150	170	195	105	130	85	90	100	81	
13	35	30	25	400	260	40	10	10	15	15	85	55	75	75	90	110	130	155	90	80	105	65	70	45	86	
14	20	25	135	105	45	15	35	15	15	10	10	45	80	55	90	55	85	130	105	75	95	70	75	50	60	
15	10	25	15	35	595	75	15	55	25	25	35	30	45	70	95	110	220	90	300	130	85	40	30	20	91	
16	25	20	15	15	20	35	15	30	300	345	530	315	355	65	100	60	85	50	90	215	180	65	50	70	127	
17	30	40	15	25	20	40	60	35	65	70	50	40	35	65	85	110	45	65	80	40	70	45	50	30	50	
18	15	10	5	10	10	10	10	10	15	65	80	25	40	100	45	55	200	35	80	80	85	135	65	50	51	
19	20	10	10	10	10	15	310	215	15	15	10	15	15	65	50	70	25	40	15	25	25	20	15	20	43	
20	10	10	10	5	5	10	10	55	40	20	20	25	25	50	50	40	35	40	40	30	40	60	45	70	31	
21	15	20	10	10	10	15	15	90	35	15	10	15	75	80	60	200	105	155	130	130	70	50	60	20	58	
22	35	10	55	25	40	40	120	25	25	55	45	55	45	95	165	120	135	50	40	40	25	15	25	70	56	
23	30	20	15	15	100	115	130	75	25	30	70	75	60	210	125	155	50	75	75	60	45	55	55	40	71	
24	40	25	20	115	125	450	145	20	95	55	75	65	65	70	175	160	115	115	220	130	65	80	90	85	108	
25	45	25	15	20	25	35	430	150	35	30	10	30	50	45	45	90	70	100	90	75	35	100	110	35	71	
26	40	15	10	10	40	45	45	35	25	20	25	40	70	100	105	255	320	530	310	230	210	70	100	25	111	
27	10	20	60	10	15	30	45	50	20	340	275	370	280	160	165	165	90	185	195	50	75	20	25	10	111	
28	10	10	15	10	25	5	20	50	50	10	15	25	30	55	75	55	60	35	30	20	20	15	10	10	28	
29																										
30																										
31																										
Mean	28	25	28	41	56	69	76	46	45	60	67	63	77	86	88	93	93	100	101	78	67	59	52	44	64	

Table 27 Baker Lake

Hourly Ranges of X in gammas

March 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	11	6	8	8	8	15	23	110	120	68	30	55	181	133	173	156	198	80	46	51	53	97	152	61	77
2	38	13	17	13	15	228	468	110	15	17	13	15	167	120	89	48	110	116	95	135	34	59	177	46	90
3	42	34	30	13	8	8	15	15	17	30	11	27	27	139	135	139	101	63	95	333	160	80	46	30	67
4	30	27	38	30	25	6	13	13	11	13	13	42	55	55	30	101	42	30	72	61	25	25	25	46	35
5	25	8	8	8	4	6	6	19	30	46	68	30	84	612	418	158	236	291	171	124	80	139	76	97	114
6	89	46	55	36	941	321	152	25	55	63	106	148	279	464	380	257	133	266	211	106	103	82	84	59	186
7	32	13	27	11	17	36	101	203	38	30	23	19	42	84	165	186	84	65	34	19	53	34	19	25	57
8	15	25	13	143	274	38	15	25	38	25	11	21	17	30	34	36	17	19	11	11	11	21	13	21	37
9	17	8	4	4	4	8	4	4	4	4	6	11	32	51	55	46	32	17	34	21	17	13	30	21	19
10	34	40	19	21	21	21	21	124	106	25	30	30	49	55	131	148	101	103	63	106	106	232	63	30	70
11	68	27	30	30	468	257	215	51	38	34	55	42	68	211	101	101	110	154	106	74	80	53	19	21	100
12	51	21	21	15	13	27	405	116	143	72	36	101	59	72	55	274	359	160	114	101	72	141	76	68	107
13	74	44	38	34	40	15	21	30	23	23	30	42	30	65	127	72	72	68	15	19	17	17	76	21	42
14	36	17	8	6	8	13	23	15	36	23	17	13	59	80	63	63	63	53	44	46	46	34	48	65	37
15	13	27	21	78	34	21	21	17	17	34	34	17	30	42	42	48	38	38	51	21	70	114	55	42	38
16	11	23	23	8	8	6	15	13	21	48	25	17	36	61	89	84	46	32	27	15	38	23	27	17	30
17	19	15	6	8	19	13	23	51	42	27	40	34	25	65	59	38	68	36	21	21	19	11	17	32	30
18	30	8	11	8	6	4	13	13	11	32	30	13	53	68	127	57	108	48	34	51	59	48	17	27	36
19	21	42	30	19	15	17	23	19	34	15	25	48	63	61	97	74	181	198	141	287	97	97	55	19	70
20	11	8	13	8	21	19	25	23	23	25	17	38	112	91	114	190	82	243	236	53	97	57	74	53	68
21	78	38	30	19	23	25	95	65	118	84	40	19	46	82	116	158	253	207	314	234	274	160	137	51	111
22	13	13	15	13	11	11	11	25	17	13	19	23	38	44	34	89	65	63	36	38	17	95	70	13	33
23	36	17	15	6	4	4	11	11	6	17	30	106	51	40	59	63	48	25	34	27	32	15	13	34	29
24	51	87	51	17	8	6	11	17	21	34	23	19	80	53	76	51	68	63	46	57	36	19	17	21	39
25	42	48	23	25	51	17	21	32	203	42	30	34	177	57	51	55	44	76	51	44	30	42	32	23	52
26	72	72	34	59	13	13	8	15	6	21	19	19	32	42	65	78	11	8	6	17	23	19	53	27	30
27	13	19	19	6	13	6	19	19	17	13	17	13	25	59	51	68	61	36	27	13	25	11	17	13	24
28	11	6	6	4	8	13	25	6	6	8	8	38	27	30	110	135	114	53	55	78	89	131	42	38	43
29	97	93	48	32	21	25	21	32	25	6	13	25	36	76	36	25	27	34	55	30	23	17	17	19	35
30	21	36	8	4	8	11	15	15	6	8	15	11	30	19	38	23	15	11	17	38	38	42	27	25	20
31	17	13	13	17	6	17	11	8	15	8	13	17	19	30	32	116	53	89	40	25	13	21	103	116	34
Mean	36	29	22	23	68	40	60	40	41	29	27	35	65	100	102	101	95	89	74	73	59	63	54	38	57

Table 28 Baker Lake

Hourly Ranges of X in gammas

April 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	19	34	30	25	40	118	36	25	74	106	32	32	30	74	141	95	70	101	55	59	30	30	38	30	55	
2	11	21	15	17	42	19	11	11	8	13	17	21	63	19	42	63	61	110	84	110	51	74	167	82	47	
3	110	23	21	17	19	21	510	156	57	25	51	38	25	89	118	148	139	162	165	160	59	68	127	65	97	
4	55	25	11	17	42	42	135	53	55	295	173	57	68	97	158	207	70	89	68	51	21	38	143	55	84	
5	42	36	27	38	91	25	17	11	8	23	21	30	42	106	103	59	127	55	46	34	27	38	32	36	45	
6	32	25	17	13	38	51	116	59	38	53	291	192	99	154	106	143	106	127	190	215	348	219	232	122	124	
7	238	232	63	82	112	46	400	236	224	110	55	84	456	414	63	219	224	162	143	323	196	181	84	80	185	
8	101	63	42	84	203	21	36	34	38	53	53	80	76	84	329	228	110	127	211	340	89	110	141	89	114	
9	114	101	34	17	21	38	262	241	42	30	36	76	112	120	148	177	118	82	82	82	139	46	42	42	92	
10	38	34	25	93	32	34	21	19	36	473	325	380	127	80	190	266	228	224	219	106	295	143	97	84	148	
11	53	63	523	287	42	25	42	68	53	38	59	76	76	152	165	122	260	321	46	101	122	139	68	89	124	
12	34	17	591	380	13	11	4	6	19	11	42	25	46	101	34	38	78	40	89	70	143	89	59	34	82	
13	135	34	34	32	30	19	27	21	13	21	8	13	11	34	99	122	23	25	55	51	34	46	42	51	41	
14	57	46	30	30	15	8	11	6	4	4	6	13	17	46	55	40	53	42	30	32	38	19	38	27	28	
15	15	11	38	21	124	78	63	13	4	13	13	19	34	42	84	241	209	232	141	97	95	63	89	114	77	
16	55	46	48	76	30	21	13	11	21	19	27	25	76	27	99	93	114	101	68	101	55	82	63	32	54	
17	55	40	46	150	141	30	30	23	27	38	51	61	46	101	68	101	135	101	34	51	34	68	51	34	63	
18	8	11	19	23	55	72	93	48	76	23	44	38	51	108	101	114	173	91	84	203	146	82	65	84	76	
19	68	30	333	325	36	13	40	21	42	38	17	30	46	51	51	21	63	51	17	17	25	42	51	84	63	
20	34	30	40	228	99	27	13	17	34	17	21	17	53	44	44	118	287	48	27	38	89	55	8	135	63	
21	177	53	25	38	63	53	36	51	59	32	53	38	53	57	84	99	506	308	84	300	177	367	169	245	130	
22	211	101	76	80	36	112	53	27	321	120	46	55	72	135	181	186	270	207	245	124	76	93	97	143	128	
23	154	97	65	25	139	34	25	82	40	70	91	93	63	55	70	162	101	93	46	84	108	40	53	34	76	
24	21	34	19	15	21	17	15	30	21	27	17	36	137	70	127	68	59	184	80	80	53	17	34	21	50	
25	27	36	8	13	15	17	42	59	68	46	139	118	30	171	169	213	207	228	89	78	93	32	25	44	82	
26	51	51	27	13	17	55	74	82	135	84	55	78	80	131	51	122	124	46	27	34	84	38	68	36	65	
27	42	21	51	34	42	46	30	21	17	46	30	38	97	59	89	122	156	51	68	55	72	34	59	34	55	
28	17	19	25	36	19	51	464	160	68	68	38	38	30	63	84	76	84	127	34	72	97	118	68	93	81	
29	42	25	59	51	21	17	15	25	30	55	34	34	34	59	186	160	63	59	80	68	59	148	46	42	59	
30	25	21	17	17	17	13	17	8	25	34	59	38	34	51	80	101	173	135	68	76	72	55	59	30	51	
31																										
Mean	68	46	79	76	54	38	88	54	55	66	63	62	73	93	111	131	146	124	89	107	97	86	77	70	81	

May 1962

Hourly Ranges of X in gammas

Table 29 Baker Lake

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	51	42	42	17	25	226	34	0	17	25	51	51	51	42	93	34	93	42	42	84	167	51	59	133	61
2	34	34	17	25	34	17	25	34	42	34	34	68	42	68	59	59	51	59	59	34	84	68	59	51	46
3	32	63	21	32	34	17	25	25	21	63	30	23	53	48	72	63	27	32	36	53	44	59	38	55	40
4	21	25	53	84	95	15	55	17	21	13	21	34	6	40	13	15	42	34	13	32	23	25	21	8	30
5	6	8	11	4	6	8	36	19	17	13	11	21	21	38	25	19	17	13	27	30	40	156	124	34	30
6	34	25	17	42	34	17	17	8	8	34	68	59	124	141	101	59	93	200	285	268	167	84	110	118	88
7	36	224	95	65	207	21	15	15	38	53	38	38	59	74	173	95	53	25	27	82	89	89	118	70	75
8	72	80	32	27	57	15	15	19	11	23	17	15	27	74	72	68	65	42	27	21	139	129	148	55	52
9	40	30	38	23	93	74	6	11	8	21	55	34	42	17	25	34	19	25	53	36	23	27	15	32	32
10	15	51	21	34	38	19	8	46	53	42	30	40	57	103	78	93	76	44	57	21	15	59	44	23	44
11	23	17	30	6	13	17	21	17	19	13	15	65	65	177	133	72	346	390	268	158	101	76	36	80	90
12	36	30	25	19	15	23	19	17	13	34	17	17	40	17	21	30	34	38	63	36	51	32	63	57	31
13	42	57	32	27	25	97	40	21	17	25	32	89	169	78	118	82	80	93	68	59	179	192	175	139	81
14	70	148	59	63	55	36	42	38	34	76	86	51	34	61	152	48	78	70	80	78	188	120	198	91	81
15	53	30	72	557	72	55	15	146	232	38	42	70	93	80	139	70	89	150	262	232	59	63	21	13	111
16	15	76	25	13	40	327	194	36	55	143	133	120	59	59	44	40	46	46	91	78	48	80	97	59	80
17	25	25	15	4	11	15	38	21	25	38	38	21	25	61	32	70	46	44	32	84	15	84	48	30	35
18	40	25	13	27	13	13	17	8	8	8	17	40	61	38	57	190	118	57	38	40	30	25	30	30	39
19	51	17	27	30	21	23	27	17	257	274	42	63	68	42	110	148	131	80	70	46	127	57	61	51	77
20	51	42	23	48	23	19	34	27	21	48	40	70	48	70	116	177	93	97	59	68	40	30	57	63	57
21	70	53	55	30	19	13	13	8	11	13	27	17	17	15	63	48	34	30	17	34	30	27	59	30	30
22	40	42	44	6	17	13	17	4	11	11	19	76	42	65	118	97	27	59	30	36	17	25	23	8	35
23	21	15	19	27	11	51	97	42	13	38	30	17	36	48	59	42	40	21	11	42	15	15	15	36	32
24	34	25	27	19	42	51	25	13	8	13	19	32	36	25	53	42	59	15	17	19	34	11	19	13	27
25	15	27	15	8	6	6	11	2	4	11	13	21	17	38	25	32	32	19	15	21	13	25	53	32	19
26	6	27	11	13	8	8	13	8	11	13	13	11	38	84	84	68	57	19	46	53	63	169	101	72	41
27	59	25	8	17	51	25	51	34	34	25	76	42	133	76	192	200	500	141	48	124	186	68	101	51	95
28	42	34	17	17	25	17	17	57	25	42	17	17	76	42	141	116	101	133	268	127	68	133	34	66	66
29	51	34	25	34	42	34	34	34	59	34	76	25	34	68	51	34	17	84	59	34	93	42	51	34	45
30	17	4	13	25	11	34	19	4	17	6	17	34	25	51	34	42	25	34	34	17	17	17	34	17	23
31	17	25	8	8	17	51	51	68	42	34	84	76	167	439	276	418	367	150	150	76	268	101	84	101	128
Mean	36	44	29	44	37	44	33	26	37	40	40	44	55	75	85	85	93	73	72	73	80	67	71	52	56

Table 30 Baker Lake Hourly Ranges of X in gammas June 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	59	68	452	504	51	76	84	42	93	34	76	84	34	84	101	129	68	59	129	51	146	137	93	42	112	
2	51	68	25	25	25	34	34	25	17	25	34	25	17	51	51	230	93	17	34	68	25	68	34	34	46	
3	17	25	25	8	8	8	17	8	8	17	25	42	51	34	76	76	93	93	51	106	120	68	188	137	54	
4	68	51	101	34	17	42	42	68	171	34	110	51	51	76	137	154	137	76	93	196	211	171	78	135	96	
5	68	51	59	25	59	25	25	34	162	34	61	106	63	59	63	110	124	65	106	101	84	143	114	89	76	
6	76	59	99	32	21	59	68	236	118	17	80	57	21	150	127	110	55	65	80	34	110	114	42	48	78	
7	42	21	23	21	25	25	63	103	84	68	42	38	46	72	224	101	135	101	38	59	78	25	30	13	62	
8	11	13	8	6	21	38	13	78	68	15	17	19	63	74	51	78	53	38	42	46	38	72	42	93	41	
9	97	53	34	89	97	86	42	38	80	266	133	46	97	106	156	135	70	160	276	317	314	198	236	205	139	
10	291	101	40	124	405	122	131	44	63	380	251	169	131	190	190	209	59	95	89	72	146	61	63	59	145	
11	38	23	25	36	36	179	112	46	61	65	97	63	53	63	165	89	167	74	97	72	70	80	65	84	78	
12	68	48	51	40	152	36	30	59	122	59	61	27	188	186	106	101	76	101	108	86	51	51	57	53	80	
13	34	36	48	84	99	80	25	84	78	46	30	57	51	46	59	84	51	34	97	23	36	46	34	68	55	
14	34	36	30	34	36	235	34	17	30	53	25	46	59	86	120	55	143	137	72	55	133	99	133	44	73	
15	57	46	120	63	82	59	32	57	51	48	76	82	93	143	127	215	224	200	169	82	103	61	27	38	94	
16	89	76	86	40	36	27	53	51	27	40	17	30	122	38	48	74	95	68	74	44	57	59	65	61	57	
17	34	19	13	13	21	25	30	17	17	13	6	21	21	38	63	42	51	55	27	27	27	38	36	101	32	
18	32	70	106	70	55	30	21	13	21	8	15	38	15	27	46	30	30	30	15	19	13	8	13	17	31	
19	34	38	25	25	36	40	34	21	13	17	13	42	44	118	51	101	34	76	68	51	25	25	25	59	42	
20	48	42	34	13	13	11	15	25	38	32	55	21	42	63	34	38	55	91	42	38	32	38	36	42	38	
21	25	36	23	11	19	21	23	8	15	15	21	23	89	63	55	449	403	93	173	110	93	122	122	59	86	
22	63	72	32	40	70	97	40	34	25	11	19	25	63	78	63	53	118	158	57	89	61	93	95	61	63	
23	51	61	48	51	36	59	51	15	95	226	99	61	78	110	137	124	203	658	331	118	196	230	101	76	134	
24	95	46	15	44	23	36	236	184	23	42	53	48	38	112	57	46	59	80	72	65	63	42	65	63	67	
25	34	59	17	19	30	19	46	27	17	34	21	27	25	139	65	63	38	34	68	76	48	68	30	82	45	
26	53	21	6	11	15	17	13	21	25	25	15	42	34	120	63	63	129	53	55	55	99	103	86	116	52	
27	95	99	25	53	532	72	23	38	40	53	118	103	101	148	112	158	112	148	304	179	135	152	70	65	122	
28	36	65	42	40	34	57	179	70	95	61	97	122	46	118	190	171	112	118	68	82	131	169	82	80	94	
29	44	44	162	287	30	30	44	42	63	55	57	76	177	135	165	173	270	74	40	65	165	46	78	82	100	
30	51	32	72	32	74	93	80	36	40	137	61	91	80	78	108	148	179	249	74	38	133	76	44	53	86	
31																										
Mean	60	49	62	62	72	58	55	51	59	64	60	56	66	94	100	120	114	110	98	81	98	89	73	72	76	

Table 31 Baker Lake

Hourly Ranges of X in gammas

July 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	46	15	44	46	55	59	19	17	65	34	19	48	70	72	169	63	156	173	97	84	95	65	122	89	72
2	44	51	34	23	23	30	27	169	30	32	32	38	86	48	63	61	46	53	190	158	122	76	82	19	64
3	48	25	32	34	13	15	21	129	23	207	42	78	93	27	103	158	114	86	40	72	59	68	46	53	66
4	48	36	76	17	61	65	65	27	42	42	44	84	133	207	230	141	101	55	110	127	310	243	165	148	108
5	40	27	57	118	401	165	38	192	61	68	91	74	34	51	186	137	190	103	110	76	106	143	61	68	108
6	65	57	255	439	34	36	21	253	97	40	108	68	173	74	186	59	68	93	114	101	78	137	84	63	113
7	63	15	30	11	76	42	13	15	23	40	80	30	70	65	42	124	135	97	198	152	91	84	120	84	71
8	84	42	46	65	63	76	42	108	80	36	76	42	122	124	165	34	112	154	65	78	173	86	177	133	91
9	78	53	53	27	19	53	139	38	17	13	32	21	40	46	30	42	57	34	114	95	63	42	21	80	50
10	63	76	19	27	27	30	13	42	23	21	17	34	72	112	268	135	156	169	139	114	80	51	70	70	76
11	80	46	53	103	82	30	42	15	51	57	44	42	78	51	131	198	148	124	106	175	70	99	74	55	81
12	21	25	23	46	23	468	264	34	32	103	93	17	30	72	99	209	200	97	70	65	61	38	74	63	93
13	84	36	211	118	76	40	103	27	30	21	34	76	68	118	108	203	82	118	274	350	158	76	143	93	110
14	40	306	192	93	116	238	274	112	65	48	78	44	61	82	76	61	241	215	82	63	84	63	46	40	114
15	65	93	116	34	8	17	15	30	44	17	21	30	19	51	65	55	68	53	106	46	72	40	108	63	51
16	30	276	32	30	57	53	25	11	15	19	27	27	21	70	99	129	78	23	11	21	11	11	25	13	46
17	30	23	21	8	8	6	13	17	8	6	11	25	21	32	55	95	84	53	42	17	32	59	48	40	32
18	30	32	38	25	15	15	19	17	15	21	30	13	36	53	57	146	55	61	34	44	70	72	46	38	41
19	17	17	42	17	34	34	61	65	44	38	48	150	46	198	70	51	124	143	114	112	133	207	38	112	80
20	61	36	42	84	36	65	48	59	116	103	89	129	95	112	213	122	177	158	65	99	63	99	48	143	95
21	23	32	46	131	51	42	17	21	17	55	48	55	40	72	63	110	65	118	129	133	93	146	93	32	68
22	30	57	27	30	23	23	65	257	146	46	76	42	51	40	40	127	78	46	65	74	55	61	72	61	66
23	36	21	42	13	36	80	101	63	40	84	89	55	74	84	40	36	30	82	93	363	137	200	80	30	80
24	80	51	38	25	17	13	46	11	17	15	17	38	55	23	139	232	238	175	298	80	53	175	70	63	82
25	46	106	110	51	72	19	36	19	46	40	27	82	61	68	38	46	57	36	42	44	36	34	32	21	48
26	19	17	65	59	68	213	561	80	70	57	160	148	293	462	228	120	270	222	190	139	95	222	135	118	167
27	487	546	55	103	84	108	42	38	38	51	84	65	97	232	184	158	546	323	131	42	152	245	127	127	169
28	192	78	407	65	504	186	173	215	38	30	46	70	120	171	171	253	205	156	112	124	84	148	72	72	154
29	97	608	63	46	17	32	25	215	72	30	48	38	63	61	70	124	129	112	46	55	65	74	57	72	92
30	25	34	122	82	34	53	99	86	17	11	27	59	36	32	48	32	55	13	46	23	27	53	25	53	46
31	21	30	32	15	25	6	15	15	15	30	27	36	34	36	59	106	99	131	266	295	485	675	103	103	111
Mean	68	92	78	64	70	75	79	77	45	45	54	57	74	95	113	115	134	112	113	110	104	122	79	72	85

Table 32 Baker Lake

Hourly Ranges of X in gammas

August 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	205	255	137	40	217	380	80	57	38	515	291	177	116	99	274	181	188	120	171	80	129	184	70	205	175
2	48	38	34	19	574	106	27	25	30	30	70	118	97	84	148	80	72	86	143	74	91	99	55	108	94
3	80	23	53	17	302	167	34	23	30	25	30	48	61	91	78	112	122	116	84	74	82	131	116	51	81
4	34	15	42	30	30	133	59	118	27	25	57	42	46	32	139	165	93	97	106	74	30	46	55	32	64
5	21	36	57	34	32	40	38	61	23	36	46	112	70	99	106	97	82	53	68	38	25	46	30	48	54
6	97	63	34	55	53	42	44	27	53	40	53	76	76	148	209	300	148	143	55	152	137	175	133	114	101
7	137	80	38	325	302	89	32	44	38	76	63	59	68	76	74	207	333	219	401	397	53	181	59	59	142
8	68	101	291	143	44	316	255	183	137	255	65	127	143	175	65	211	441	186	148	211	154	129	314	186	181
9	93	158	268	89	30	48	95	211	93	51	72	99	74	139	135	165	251	167	183	133	205	232	108	137	135
10	68	42	40	696	692	169	40	515	430	167	95	65	74	84	167	114	76	198	116	40	61	27	42	68	170
11	38	48	30	129	84	13	6	4	8	17	13	13	32	34	38	27	25	40	25	30	23	21	21	19	31
12	32	19	17	15	13	124	152	80	51	19	34	46	46	63	63	101	143	68	36	34	57	34	48	23	55
13	21	36	21	11	21	8	15	13	6	17	30	25	46	68	27	25	25	27	34	36	63	78	175	78	38
14	48	46	34	59	70	21	17	23	27	25	23	21	38	86	68	70	106	84	63	89	118	133	114	51	60
15	38	68	23	36	76	405	234	70	108	53	99	74	82	72	133	143	112	198	82	156	124	179	46	65	112
16	63	101	65	59	63	25	356	270	42	42	40	25	82	57	139	59	156	55	124	114	190	232	217	59	110
17	36	108	95	120	17	38	34	30	207	80	32	122	97	63	118	338	346	327	215	131	148	226	158	101	133
18	68	93	63	21	106	68	599	215	51	34	55	72	68	131	165	171	378	289	171	93	131	230	177	177	151
19	160	84	36	209	145	34	106	74	27	68	70	84	86	167	173	190	154	82	186	72	80	80	72	112	106
20	51	38	46	19	15	8	13	17	38	32	46	44	21	34	80	57	38	51	27	25	17	32	70	89	38
21	59	46	17	15	13	13	6	6	21	30	36	21	25	80	86	78	55	42	51	27	78	93	143	95	47
22	63	91	46	89	194	63	101	633	354	61	68	34	86	93	221	291	162	190	131	205	426	291	148	110	173
23	112	84	97	63	34	23	30	30	30	21	91	86	99	68	95	190	236	192	209	127	93	139	80	86	96
24	84	44	625	405	192	21	42	439	91	42	70	80	93	122	359	308	253	312	173	61	99	127	207	177	184
25	289	274	42	145	114	207	53	23	51	135	106	61	99	57	171	124	82	141	135	74	139	160	78	97	119
26	72	32	30	40	17	48	574	17	51	34	42	74	32	78	101	95	120	42	118	101	97	112	95	38	86
27	72	25	27	17	30	625	133	112	30	21	32	40	51	46	23	25	38	57	72	32	40	27	23	30	68
28	25	13	34	27	40	11	15	15	21	21	15	51	55	80	93	53	80	34	13	25	17	13	15	27	33
29	38	23	17	17	46	74	226	42	59	70	84	63	84	127	198	160	80	131	59	175	234	76	124	78	95
30	46	13	34	27	27	48	65	46	30	42	23	68	86	116	101	211	253	179	139	68	70	42	84	114	80
31	135	122	160	253	165	133	36	53	80	59	84	30	152	213	158	42	80	38	36	63	51	19	55	51	94
Mean	77	72	82	104	121	113	113	112	74	69	62	66	74	93	129	142	153	128	115	97	105	116	101	87	100

Table 33 Baker Lake

Hourly Ranges of X in gammas

September 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	30	106	101	21	27	48	42	34	194	129	72	61	101	59	112	327	306	405	181	274	234	342	124	46	141	
2	13	55	38	84	608	80	89	150	40	251	93	118	124	354	354	251	190	230	540	506	422	367	93	46	212	
3	78	40	490	574	287	205	25	65	63	23	76	177	127	251	143	253	405	515	540	287	439	338	262	219	245	
4	118	30	40	1182	321	253	523	127	57	215	371	152	190	283	177	156	310	203	171	135	186	112	86	68	228	
5	38	78	17	641	177	238	135	40	46	112	95	95	51	205	139	114	152	169	287	321	46	51	61	110	142	
6	72	30	40	106	84	91	361	236	76	40	38	93	78	101	167	190	141	179	179	193	333	226	253	63	140	
7	27	44	76	143	72	181	118	72	219	101	70	57	171	114	169	169	97	63	32	103	21	57	129	93	100	
8	89	55	91	156	53	46	32	78	95	36	82	48	27	51	40	101	106	84	106	19	25	63	112	106	71	
9	61	21	36	21	17	42	21	21	14	19	27	48	154	108	63	108	116	194	95	131	95	114	97	80	71	
10	44	40	23	506	74	42	34	65	46	63	68	46	91	65	61	38	80	32	23	40	38	36	27	65	69	
11	51	48	32	21	15	25	17	17	36	48	55	68	68	70	48	34	44	40	25	34	84	93	76	68	47	
12	34	23	38	25	17	65	95	962	110	99	68	112	137	231	266	183	318	253	354	270	203	148	169	129	180	
13	110	89	34	25	34	46	259	103	55	72	53	78	57	124	160	228	230	574	148	167	171	53	91	82	127	
14	72	59	30	203	608	36	32	215	139	25	25	51	80	59	74	74	59	68	95	76	48	101	91	40	98	
15	91	42	27	996	1114	27	211	354	57	42	63	34	89	72	40	32	55	162	65	300	209	122	86	129	184	
16	32	34	15	38	165	203	42	34	8	13	70	27	70	103	114	165	59	59	63	160	139	167	46	80	79	
17	30	51	8	23	17	61	215	27	8	34	21	32	44	127	42	21	72	42	38	70	61	55	59	27	49	
18	36	13	13	19	21	13	19	25	46	27	23	34	32	51	95	70	59	42	27	36	63	59	82	127	43	
19	72	30	53	34	34	405	143	46	78	44	40	74	38	76	169	287	405	414	270	236	253	236	135	86	152	
20	86	59	91	70	63	30	38	38	46	72	78	46	95	106	124	72	51	30	51	40	84	46	57	46	63	
21	72	38	19	15	21	63	173	114	48	36	21	36	48	158	78	318	561	287	76	148	103	40	91	25	108	
22	46	59	110	72	21	51	158	61	106	72	108	99	122	89	165	295	287	321	139	190	183	76	72	36	122	
23	78	46	162	371	236	557	283	34	51	15	63	76	70	40	74	76	48	78	61	48	57	110	143	97	120	
24	27	38	40	34	57	186	44	135	36	30	25	15	38	63	48	51	44	34	48	82	101	118	34	25	56	
25	30	11	13	15	8	4	6	11	2	8	15	32	38	61	68	42	84	51	84	99	154	91	55	65	44	
26	38	106	51	91	61	32	30	25	32	19	25	27	46	108	158	314	211	192	86	150	127	103	89	36	90	
27	38	53	78	76	570	110	84	38	38	19	38	63	65	101	63	127	72	108	95	80	48	46	57	34	88	
28	36	34	287	53	101	19	19	6	34	42	19	23	55	129	110	133	200	219	114	63	68	86	57	61	82	
29	42	30	44	40	30	32	27	118	25	42	131	72	42	27	139	44	95	116	84	160	82	74	57	38	66	
30	19	46	57	68	27	44	53	21	27	82	32	40	42	118	143	89	53	93	55	89	76	101	72	93	64	
31																										
Mean	54	47	72	191	165	108	111	109	61	61	66	64	80	117	120	145	164	175	138	150	138	121	95	74	109	

Table 34 Baker Lake

Hourly Ranges of X in gammas

October 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	68	274	55	23	226	114	316	65	304	148	95	131	346	219	175	152	443	359	422	232	262	203	149	124	204
2	72	274	504	561	86	646	-	-	190	70	80	116	135	82	314	255	226	281	266	127	86	61	59	78	
3	59	34	17	34	753	367	211	86	179	143	160	156	101	106	137	152	276	114	72	63	82	68	74	61	146
4	27	30	63	72	245	34	38	338	72	154	165	72	46	38	74	59	99	120	63	139	93	42	30	30	89
5	13	34	15	8	15	30	198	154	27	23	25	25	51	101	93	133	68	306	190	207	257	127	95	118	96
6	48	74	118	72	139	230	42	36	32	19	34	21	61	106	181	215	65	70	36	21	53	97	101	55	80
7	34	25	13	30	137	186	44	13	32	59	46	25	34	51	78	59	34	46	51	57	171	234	262	131	77
8	122	203	321	59	25	15	21	76	76	112	188	82	80	118	141	236	255	217	401	306	152	154	131	55	148
9	89	103	143	34	183	80	36	367	295	287	95	116	76	76	91	211	257	217	219	283	160	186	162	80	160
10	158	106	36	34	48	72	143	44	46	63	44	38	262	483	270	302	331	238	175	124	91	89	131	48	141
11	48	287	36	65	582	743	162	44	59	53	36	59	118	112	173	131	205	272	230	152	114	114	133	55	166
12	101	55	72	25	23	17	17	25	17	131	103	68	84	110	116	156	160	82	19	55	44	55	55	51	68
13	11	8	19	15	8	13	17	21	34	46	196	203	70	236	156	122	139	177	190	116	179	42	78	116	92
14	51	44	89	25	40	838	776	266	68	61	99	131	215	156	124	219	171	356	422	304	279	188	112	42	212
15	55	59	19	23	42	44	148	127	32	30	61	59	68	95	188	118	205	367	46	61	55	93	76	80	90
16	25	72	25	30	19	19	21	19	36	30	131	51	76	131	190	95	63	179	139	55	106	103	82	42	72
17	46	53	38	25	17	17	190	118	51	38	25	42	59	78	74	72	42	72	57	55	78	55	76	55	60
18	23	93	70	95	78	106	124	21	21	34	40	46	57	97	143	194	190	203	135	63	59	74	63	30	86
19	11	8	8	13	6	6	6	30	122	422	122	127	101	148	321	145	232	194	106	89	194	110	61	38	109
20	40	32	19	19	17	11	11	13	34	48	25	65	116	129	160	165	171	262	203	108	145	236	99	36	90
21	34	27	72	654	591	211	34	27	34	57	40	51	55	89	80	141	65	238	173	181	82	114	84	44	132
22	17	17	108	338	422	456	236	38	30	99	152	84	203	135	338	287	51	152	160	99	135	175	158	55	164
23	44	38	217	103	371	253	44	34	42	34	46	38	106	243	116	74	118	160	129	76	99	82	93	36	108
24	42	30	46	371	426	55	25	42	30	21	53	101	143	354	179	194	165	405	506	295	316	219	106	51	174
25	57	82	38	21	190	608	544	82	68	217	93	97	103	215	203	253	405	405	268	388	148	169	65	55	199
26	127	745	162	36	38	21	27	59	382	150	84	80	80	55	44	231	200	276	279	625	171	179	162	74	179
27	59	63	312	51	162	793	371	190	135	135	63	59	74	156	177	314	226	238	177	99	156	135	97	150	183
28	-	-	55	625	540	95	21	40	143	129	63	76	61	205	127	169	120	101	226	243	131	141	91	23	
29	51	63	392	205	122	40	65	371	139	55	32	152	110	200	118	76	165	152	65	80	110	44	93	63	123
30	51	30	22	27	574	118	103	114	116	44	30	84	110	183	160	173	270	131	152	173	76	80	97	120	127
31	48	38	25	27	42	205	131	403	192	48	23	53	154	116	158	181	114	63	80	53	68	57	30	25	97
Mean	54	94	87	87	191	197	141	111	93	95	80	80	109	150	154	168	179	209	178	157	136	122	102	66	127

Table 35 Baker Lake

Hourly Ranges of \bar{X} in gammas

November 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	21	25	55	207	99	118	68	21	15	103	34	25	42	97	42	40	38	61	74	40	133	72	51	55	64	
2	23	30	21	19	215	211	15	32	55	17	36	42	53	48	139	108	101	80	120	38	95	154	61	19	72	
3	30	19	13	17	156	34	55	44	57	36	53	36	108	53	82	59	122	63	95	97	101	72	40	27	61	
4	17	38	25	21	118	106	86	30	34	38	34	65	27	34	40	120	175	112	158	59	70	116	23	21	65	
5	46	42	11	17	11	15	129	175	209	25	44	19	17	116	68	61	84	97	46	51	91	30	46	21	61	
6	15	23	34	34	108	46	42	48	63	63	27	40	55	122	160	167	236	228	316	238	165	124	110	38	105	
7	59	76	127	40	122	160	25	27	13	21	76	40	110	53	215	36	53	40	53	129	122	86	48	34	74	
8	32	23	11	13	30	110	156	89	13	21	25	40	82	112	122	148	110	59	63	84	44	53	23	32	62	
9	17	40	42	23	38	27	21	11	8	19	11	15	55	48	124	152	89	70	59	34	80	38	38	17	45	
10	42	34	21	13	36	34	15	17	15	13	4	8	15	30	38	36	23	89	40	99	23	46	23	15	30	
11	17	13	11	8	19	304	84	91	55	42	57	23	51	120	89	114	186	135	143	118	101	30	34	51	79	
12	30	19	42	21	13	8	13	8	15	13	8	17	34	46	34	36	135	74	38	13	30	63	34	30	32	
13	34	17	13	8	6	4	17	13	17	6	8	25	34	19	38	34	46	17	25	21	21	19	34	38	21	
14	34	17	8	17	11	8	13	4	6	8	6	19	19	57	101	68	122	72	93	158	175	42	15	8	45	
15	6	25	17	8	13	253	241	82	68	55	89	63	810	439	129	158	72	139	190	321	219	135	135	44	155	
16	34	61	996	84	34	48	203	344	74	38	48	59	106	215	249	203	209	135	205	129	122	51	51	63	157	
17	135	32	61	150	84	32	11	32	13	21	53	30	103	72	101	108	148	61	32	55	46	25	19	17	60	
18	4	6	2	13	11	8	6	8	8	8	13	27	23	17	13	25	34	27	40	21	55	53	8	4	18	
19	6	4	8	8	13	6	11	6	6	4	4	11	38	114	27	32	30	30	25	38	40	27	30	65	24	
20	13	13	11	8	11	15	15	57	25	11	15	17	21	21	13	38	42	32	13	13	8	21	25	19	20	
21	21	25	13	21	38	42	354	793	135	53	44	74	42	59	139	127	84	89	190	169	270	207	139	91	134	
22	46	59	32	23	65	439	403	165	371	46	86	110	270	215	156	137	173	91	205	221	192	84	133	48	157	
23	55	40	106	171	591	346	148	80	30	27	108	40	131	177	158	205	342	118	95	133	165	162	59	36	147	
24	38	27	21	70	435	226	61	101	354	173	122	127	112	338	281	194	74	80	165	152	95	127	80	42	146	
25	21	23	59	323	302	55	665	331	283	78	139	340	198	186	371	268	352	143	183	175	74	84	51	57	198	
26	65	27	23	23	27	42	118	61	15	13	17	40	55	99	118	179	203	165	108	106	93	74	61	44	74	
27	36	21	13	112	173	57	30	122	127	74	27	70	95	74	63	93	150	106	139	89	78	76	61	84	82	
28	17	13	78	55	80	563	160	63	65	34	17	55	61	141	135	82	74	65	129	38	36	30	27	30	85	
29	32	34	21	21	19	13	17	76	25	36	118	84	74	95	63	76	120	116	72	108	55	51	36	55	59	
30	27	82	63	329	186	424	84	331	219	141	203	169	127	51	86	114	103	84	93	135	59	116	38	51	138	
31																										
Mean	32	30	65	63	102	125	109	109	80	41	51	58	99	109	113	107	124	89	107	103	95	76	51	39	82	

Table 36 Baker Lake

Hourly Ranges of X in gammas

December 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	38	17	34	13	4	27	23	17	21	36	55	91	86	70	135	59	65	59	124	55	116	34	21	23	51
2	6	6	8	4	8	99	154	80	13	53	46	19	30	30	34	61	42	27	30	46	38	40	32	30	39
3	15	8	6	8	42	135	59	17	8	8	25	21	15	74	68	89	76	17	84	21	15	17	23	17	36
4	6	8	13	32	25	13	55	25	55	490	171	112	302	118	135	89	34	171	55	95	91	17	27	89	93
5	46	99	30	27	17	23	13	8	17	27	21	68	63	51	55	68	114	82	103	55	34	30	34	23	46
6	34	4	8	13	34	23	21	19	51	17	34	30	30	30	21	76	34	38	30	17	34	42	21	8	28
7	13	8	25	13	17	8	13	15	11	13	30	78	40	112	40	40	68	42	51	30	46	42	63	32	35
8	13	8	17	21	17	4	15	36	86	93	36	76	46	63	97	70	72	106	48	25	42	15	36	30	45
9	17	25	13	30	86	338	148	89	55	27	23	21	21	80	61	25	38	42	23	21	32	63	38	17	56
10	25	21	13	8	8	17	15	13	13	8	4	11	13	13	74	93	70	74	42	48	46	36	46	38	31
11	55	25	32	32	329	137	171	167	72	42	8	25	78	30	48	127	82	63	114	97	89	74	95	160	90
12	59	44	30	82	135	19	8	8	11	4	13	13	19	25	27	19	48	72	46	154	106	127	86	51	50
13	25	23	63	63	120	232	112	11	19	25	127	76	51	137	160	253	165	23	78	55	171	80	30	36	89
14	34	19	15	264	131	84	13	19	25	40	38	165	103	131	165	156	245	171	245	110	72	51	48	118	103
15	17	21	34	13	473	152	44	55	25	13	17	38	59	36	42	91	68	80	63	59	84	84	46	32	69
16	17	21	11	40	21	6	4	25	25	17	76	23	97	53	133	82	48	59	38	59	42	38	53	53	43
17	30	30	19	21	36	44	11	13	53	46	72	97	95	51	61	51	106	169	287	137	93	205	181	51	82
18	55	63	654	224	114	63	86	76	30	25	72	55	99	103	89	76	148	38	68	156	93	198	42	72	112
19	122	127	48	68	61	506	285	321	327	101	112	42	97	118	266	190	281	279	243	186	152	150	74	63	176
20	34	36	68	175	76	295	53	23	473	340	207	106	249	131	207	139	224	137	198	181	190	120	76	89	159
21	55	55	36	76	865	570	530	198	323	97	154	108	127	124	76	382	359	243	181	169	145	177	103	36	216
22	51	51	46	17	106	68	32	17	103	65	68	93	89	127	160	217	203	211	93	101	91	97	112	70	95
23	36	19	34	11	51	78	59	48	23	65	46	74	25	57	63	48	36	25	8	11	8	6	8	8	35
24	8	8	6	15	2	8	11	15	173	70	44	30	93	110	148	133	112	80	51	76	101	48	32	30	58
25	25	23	25	25	82	101	55	25	19	6	23	78	38	55	63	51	38	19	21	40	25	30	21	21	38
26	8	17	23	6	11	17	63	131	53	103	30	68	46	506	392	190	194	139	84	68	141	38	106	135	107
27	34	21	11	8	8	8	13	190	93	55	25	13	21	36	127	44	169	44	72	55	55	55	42	23	51
28	30	25	19	8	8	15	2	8	11	6	13	21	27	84	55	152	405	40	40	68	53	30	48	25	50
29	17	11	13	11	194	321	55	65	27	11	17	30	17	55	89	118	57	48	46	34	55	27	30	17	57
30	46	8	13	8	11	8	27	15	13	17	13	51	51	51	38	27	36	30	19	17	15	27	25	42	25
31	38	38	11	25	27	42	91	122	38	55	281	143	44	101	95	272	205	137	106	82	46	51	27	17	87
Mean	33	29	44	44	101	112	72	60	73	64	61	61	70	89	104	113	124	89	87	75	75	66	52	47	73

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (All Days)

Table 37 Baker Lake		3500 γ +											1960			
G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	430	431	432	412	458	463	479	459	432	417	394	430	436	465	423	421
1-2	419	426	423	410	456	464	461	448	429	406	388	427	430	457	417	415
2-3	408	416	425	399	454	457	460	461	432	385	395	424	426	458	410	411
3-4	409	419	428	411	452	455	474	456	444	411	397	428	432	459	423	414
4-5	404	427	433	432	454	468	480	450	447	429	388	408	435	463	435	407
5-6	403	433	442	454	450	489	485	469	450	438	399	412	444	473	446	412
6-7	414	422	448	458	466	493	494	478	471	435	359	425	446	483	453	403
7-8	433	438	453	459	478	502	497	484	470	436	412	427	457	490	455	428
8-9	432	446	457	456	480	499	506	479	472	458	455	448	465	491	459	445
9-10	425	435	441	453	488	499	513	482	465	417	459	446	460	496	444	441
10-11	418	430	434	449	487	513	526	498	463	423	435	425	459	506	442	427
11-12	407	419	437	449	494	508	527	500	470	424	416	422	456	507	445	416
12-13	396	406	428	444	487	495	507	496	477	407	398	387	444	496	439	397
13-14	388	410	411	414	479	459	479	456	452	424	404	383	430	468	425	397
14-15	375	394	393	382	442	437	456	430	429	423	389	369	410	441	407	382
15-16	378	386	368	366	400	385	425	424	403	417	403	381	394	409	389	387
16-17	381	386	397	354	383	392	418	406	409	409	399	385	394	400	392	388
17-18	393	383	385	382	407	402	426	438	456	438	386	409	409	418	415	393
18-19	406	385	398	389	432	430	437	486	479	453	409	421	427	447	430	406
19-20	422	409	420	438	449	473	457	482	477	450	433	425	445	465	446	422
20-21	434	419	441	422	470	490	454	487	490	447	492	437	457	476	449	446
21-22	437	426	437	437	442	490	483	497	477	444	466	432	456	478	449	440
22-23	427	431	450	408	454	473	478	493	452	436	416	433	446	475	436	427
23-24	427	434	444	404	451	478	478	497	447	423	399	441	444	476	430	425
Mean	411	417	426	420	456	467	478	469	444	427	409	418	437	468	429	414

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (Quiet Days)

Table 38 Baker Lake

3500 γ +

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	448	450	447	468	481	508	475	474	469	455	448	461	465	485	460	452
1-2	437	436	441	476	476	492	476	460	447	448	440	447	456	476	453	440
2-2	434	428	430	439	460	473	470	444	447	445	428	435	444	462	440	431
3-4	434	431	428	431	444	467	466	449	443	444	407	440	440	457	437	428
4-5	426	429	433	427	454	462	460	452	441	447	416	446	441	457	437	429
5-6	396	433	432	438	437	463	471	456	445	447	422	451	441	457	441	426
6-7	416	397	444	457	447	478	467	456	452	447	438	448	446	462	450	425
7-8	420	435	425	463	455	477	478	468	455	443	458	436	451	470	447	437
8-9	434	438	432	454	469	474	492	474	445	453	464	448	456	477	446	446
9-10	428	434	444	448	476	482	493	460	448	444	443	448	454	478	446	438
10-11	394	434	429	460	476	480	495	474	448	440	454	439	452	481	444	430
11-12	418	425	433	454	483	486	480	467	444	443	440	436	451	479	444	430
12-13	410	421	433	421	455	485	461	437	430	434	431	425	438	460	430	422
13-14	403	421	423	425	432	458	432	405	416	418	435	412	423	432	421	418
14-15	396	412	402	392	431	405	398	385	385	402	399	380	399	405	395	397
15-16	388	401	363	373	426	346	380	368	355	394	391	407	381	380	371	397
16-17	362	395	380	370	401	376	389	375	372	406	382	420	386	385	382	390
17-18	377	417	394	377	401	393	404	413	405	418	415	427	403	403	399	409
18-19	410	423	413	402	417	428	440	425	430	428	437	451	425	428	418	430
19-20	424	434	423	439	473	451	461	461	454	443	452	446	447	462	440	439
20-21	444	444	444	450	495	480	486	480	482	460	462	459	466	485	459	452
21-22	447	453	468	457	512	476	520	511	492	468	466	456	477	505	471	456
22-23	445	454	484	463	521	502	531	492	475	467	456	450	478	512	472	451
23-24	441	450	451	477	520	523	523	503	466	465	448	453	477	517	465	448
Mean	420	429	430	434	460	461	464	452	439	440	434	439	442	459	436	431

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (Disturbed Days)

Table 39 Baker Lake		3500 γ +											1960			
G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	423	417	412	314	394	383	446	382	391	383	190	419	380	401	375	362
1-2	388	421	393	355	386	427	446	386	405	385	225	428	387	411	385	366
2-3	355	389	408	348	434	426	429	467	414	398	312	402	399	439	392	365
3-4	385	387	432	374	439	429	472	466	446	374	378	395	415	452	407	386
4-5	413	413	461	415	444	480	502	487	470	443	432	419	448	478	447	419
5-6	426	443	466	483	412	518	504	473	448	480	387	465	459	477	469	430
6-7	432	428	471	444	445	504	521	493	503	458	399	432	461	491	469	423
7-8	456	426	471	466	466	519	523	494	494	432	397	353	458	501	466	408
8-9	434	444	477	475	475	514	547	457	479	481	430	448	472	498	478	439
9-10	432	438	449	455	485	510	548	474	505	256	379	469	450	504	416	430
10-11	409	424	462	428	475	528	572	479	502	414	403	430	461	514	452	417
11-12	402	403	446	403	471	511	567	486	537	443	424	430	460	509	457	415
12-13	381	405	430	441	499	478	545	503	526	413	390	318	444	506	453	374
13-14	390	426	351	338	509	438	540	480	492	417	314	289	415	492	400	355
14-15	388	409	344	289	456	470	551	438	502	427	310	311	408	479	391	355
15-16	414	420	290	280	478	395	537	500	497	419	432	353	418	478	372	405
16-17	434	425	423	211	362	375	554	467	489	420	369	354	407	440	386	396
17-18	378	343	418	282	499	408	467	547	544	403	317	359	414	480	412	349
18-19	387	335	410	286	512	415	444	507	573	465	353	386	423	470	434	365
19-20	375	388	412	412	533	408	382	439	506	464	389	386	425	441	449	385
20-21	355	391	455	385	554	371	453	475	454	381	348	399	418	463	419	373
21-22	368	396	438	448	363	437	346	506	393	364	364	390	401	413	411	380
22-23	375	422	441	322	389	323	312	507	365	363	283	383	374	383	373	366
23-24	376	403	429	362	390	409	337	500	437	351	297	403	391	409	395	370
Mean	398	409	424	376	452	443	481	474	473	410	354	393	424	463	421	389

MEAN VALUES OF MAGNETIC ELEMENTS

EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days)

Table 40 Baker Lake

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	198	191	186	124	180	157	172	162	152	153	161	190	169	168	154	185
1-2	185	191	181	109	159	128	169	133	144	139	160	182	157	147	143	180
2-3	175	181	175	105	144	107	127	138	134	131	151	179	146	129	136	172
3-4	166	177	173	101	138	105	134	121	136	130	171	160	143	125	135	169
4-5	163	174	164	106	139	120	133	123	134	136	123	139	138	130	135	150
5-6	164	174	164	135	150	142	135	132	134	140	115	131	143	140	143	146
6-7	176	169	174	158	171	152	169	159	152	143	117	150	157	163	157	153
7-8	186	182	194	189	200	167	186	185	179	162	130	163	177	185	181	165
8-9	205	209	216	212	203	183	199	196	195	203	173	175	199	195	207	196
9-10	220	225	229	224	215	201	204	214	210	217	210	228	216	209	220	221
10-11	217	230	238	225	226	216	213	210	224	238	213	233	224	216	231	223
11-12	236	241	237	236	243	238	227	227	228	251	249	243	238	234	238	242
12-13	237	240	246	237	250	262	251	238	237	245	249	255	246	250	241	245
13-14	235	238	258	274	275	275	278	262	248	253	247	250	258	273	258	243
14-15	234	237	260	286	273	281	282	263	250	261	243	250	260	275	266	241
15-16	231	237	260	284	288	268	275	250	248	264	246	244	257	268	264	240
16-17	226	234	264	299	268	246	278	246	240	259	245	238	254	260	266	236
17-18	224	232	232	280	236	251	279	256	233	264	241	228	246	256	252	231
18-19	216	224	241	261	250	257	271	265	245	255	237	226	245	261	250	226
19-20	213	219	238	276	263	278	269	243	245	241	236	219	245	263	250	222
20-21	212	219	235	263	263	271	296	234	249	223	220	210	241	266	243	215
21-22	209	210	231	235	228	248	262	243	227	201	200	200	225	246	224	205
22-23	202	204	217	198	217	231	228	219	208	178	199	195	208	224	200	200
23-24	200	199	208	177	194	200	197	200	182	163	178	198	192	199	183	194
Mean	206	210	218	209	215	207	217	206	202	204	193	204	208	212	208	203

MEAN VALUES OF MAGNETIC ELEMENTS
EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 41 Baker Lake

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	204	202	205	202	214	220	218	193	193	196	191	207	204	211	199	201
1-2	204	203	207	189	210	195	203	163	189	197	184	202	196	193	196	198
2-3	209	200	198	180	192	174	190	166	185	194	181	204	189	180	189	198
3-4	203	197	194	170	185	189	179	167	183	193	169	199	186	180	185	192
4-5	195	183	188	164	185	185	165	175	177	188	176	200	182	178	179	189
5-6	171	176	180	169	157	186	176	173	168	185	168	193	175	173	175	177
6-7	183	167	193	192	163	187	192	187	171	190	172	188	182	182	186	178
7-8	191	200	201	205	185	194	197	195	191	200	182	191	194	193	199	191
8-9	201	220	211	217	202	199	210	195	203	204	199	209	206	202	209	207
9-10	209	222	221	224	209	212	210	205	208	209	205	217	213	209	218	213
10-11	213	219	226	218	214	221	218	207	206	212	211	213	215	215	216	214
11-12	214	225	222	222	230	238	236	223	208	212	212	217	222	232	216	217
12-13	217	227	221	227	248	228	249	228	218	214	216	228	227	238	220	222
13-14	218	223	235	238	245	244	254	239	225	216	215	226	231	245	228	220
14-15	217	220	237	240	251	248	245	229	229	220	209	229	231	243	231	219
15-16	216	220	233	237	246	261	233	227	227	219	206	224	229	242	229	216
16-17	207	215	223	227	227	242	223	218	215	213	198	208	218	227	220	207
17-18	199	212	215	205	204	219	214	205	193	204	191	205	205	210	204	202
18-19	205	205	209	197	204	222	202	200	195	206	189	215	204	207	202	203
19-20	197	207	206	193	225	209	195	197	202	201	192	212	203	206	201	202
20-21	201	216	213	190	231	227	221	220	215	203	202	213	213	225	205	208
21-22	207	213	220	197	249	221	238	214	210	201	202	206	215	231	207	207
22-23	208	212	226	203	249	226	238	207	202	195	198	204	214	230	206	206
23-24	204	210	210	205	237	239	232	200	195	193	198	203	211	227	201	204
Mean	204	208	212	205	215	216	214	201	200	203	194	209	207	212	205	204

MEAN VALUES OF MAGNETIC ELEMENTS

EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 42 Baker Lake 1960

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	202	172	160	25	119	34	129	33	83	103	49	168	106	79	93	148
1-2	134	179	138	29	57	53	98	-6	89	57	39	149	85	51	78	125
2-3	116	135	119	14	64	12	80	39	71	57	40	133	73	49	65	106
3-4	114	128	119	-97	93	36	125	16	85	54	62	41	65	68	40	86
4-5	152	143	110	-32	87	47	130	66	76	44	93	101	85	83	50	122
5-6	170	164	93	83	143	100	112	102	90	114	94	145	117	114	95	143
6-7	167	155	136	92	201	132	163	157	135	79	24	133	131	163	110	120
7-8	179	156	167	152	269	145	214	200	182	137	112	167	173	207	159	153
8-9	221	205	220	217	210	173	211	198	173	213	89	175	192	198	206	172
9-10	254	223	218	219	251	218	206	219	210	182	144	247	216	224	207	217
10-11	276	236	230	221	237	241	214	219	238	238	196	256	234	228	232	241
11-12	288	259	240	224	259	267	232	216	245	311	234	284	255	244	255	266
12-13	289	257	291	274	249	255	257	250	295	283	229	311	270	253	286	271
13-14	262	256	310	320	302	279	310	273	328	296	268	291	291	291	313	269
14-15	261	249	303	359	294	283	300	305	314	352	282	286	299	295	332	270
15-16	254	245	278	322	369	264	329	324	300	375	350	283	308	322	319	283
16-17	263	239	362	437	332	292	373	350	278	360	339	275	325	337	359	279
17-18	235	246	247	343	320	330	427	417	296	339	336	253	316	374	306	268
18-19	224	243	300	281	320	319	389	399	358	330	309	233	309	357	317	252
19-20	227	217	332	417	340	304	443	356	343	282	347	215	319	361	344	252
20-21	209	234	260	331	381	284	398	304	307	233	276	204	285	342	283	231
21-22	193	211	282	230	197	245	270	267	224	180	202	180	223	245	229	196
22-23	183	206	243	151	190	138	165	236	187	114	182	163	180	182	174	184
23-24	175	180	246	179	156	119	86	182	173	59	63	173	149	136	164	148
Mean	210	206	225	200	227	190	236	214	212	200	182	203	209	217	209	200

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (All Days)

Table 43 Baker Lake

60,000 γ +

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	325	316	307	291	277	203	238	271	300	346	372	387	303	247	311	350
1-2	335	327	320	319	289	216	246	293	320	375	379	395	318	261	334	359
2-3	344	343	332	342	310	256	298	320	346	405	401	405	342	296	356	373
3-4	355	346	347	370	341	380	321	366	334	434	416	425	370	352	371	386
4-5	361	361	365	397	386	339	338	387	361	446	452	457	388	363	392	408
5-6	383	373	397	434	409	368	403	410	430	454	484	503	421	398	429	436
6-7	400	401	412	446	427	393	416	418	429	514	495	495	437	414	450	448
7-8	414	417	424	471	430	393	433	434	445	517	518	494	449	423	464	461
8-9	433	403	432	470	434	398	434	450	454	491	536	515	454	429	462	472
9-10	435	405	440	462	451	411	444	450	442	512	534	528	460	439	464	476
10-11	433	409	441	459	459	418	450	443	445	548	563	543	468	443	473	487
11-12	446	422	440	472	460	452	469	457	442	563	540	535	475	460	479	486
12-13	450	423	449	499	508	447	514	484	447	534	545	557	488	488	482	469
13-14	447	417	451	518	497	488	539	488	448	516	504	541	488	503	483	477
14-15	437	423	447	527	503	466	513	492	450	489	508	515	481	494	478	471
15-16	439	445	452	497	496	422	484	472	436	479	491	497	468	469	466	468
16-17	412	423	445	486	469	404	451	457	416	452	473	372	438	445	450	420
17-18	396	409	405	440	401	410	414	435	419	421	468	446	422	415	421	430
18-19	379	373	368	402	374	390	383	408	393	370	433	418	391	389	383	401
19-20	353	345	348	327	366	348	350	359	381	353	401	395	361	356	352	374
20-21	343	316	313	307	280	283	304	325	330	309	374	371	321	298	315	351
21-22	321	306	303	288	228	235	263	277	278	292	336	372	292	251	290	334
22-23	325	313	290	278	235	211	258	268	272	297	348	371	289	243	284	339
23-24	330	311	288	281	258	210	243	258	283	321	362	377	293	242	293	345
Mean	387	376	384	405	387	356	384	392	392	435	454	471	402	380	404	422

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 44 Baker Lake

60,000 γ +

1960

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	345	333	325	331	325	295	305	310	339	365	383	392	337	309	340	363
1-2	347	346	342	338	315	296	321	321	349	365	391	403	345	314	349	372
2-3	346	346	343	342	333	308	324	328	352	378	394	409	350	323	354	374
3-4	349	352	351	361	342	311	330	344	355	381	408	406	357	332	362	379
4-5	358	369	364	388	358	335	350	358	360	383	405	407	370	350	374	385
5-6	399	401	397	393	379	349	368	371	377	394	419	419	389	367	390	410
6-7	396	407	397	389	411	374	371	381	395	398	434	478	403	384	395	429
7-8	400	407	407	401	405	366	375	395	389	387	446	488	406	385	396	435
8-9	392	394	371	388	377	369	388	396	387	400	444	409	393	383	386	410
9-10	389	384	375	414	384	368	406	422	368	400	453	487	404	395	389	428
10-11	391	372	386	388	393	392	413	417	383	399	445	468	404	404	389	419
11-12	395	374	391	401	425	390	410	434	385	397	412	471	407	415	394	413
12-13	405	379	398	404	415	405	412	437	396	401	441	452	412	417	400	419
13-14	409	374	413	424	428	446	406	416	398	405	441	501	422	424	410	431
14-15	406	376	423	414	421	472	393	402	408	400	433	506	421	422	411	430
15-16	401	370	391	414	395	428	373	390	373	387	418	465	400	397	391	414
16-17	404	367	362	382	411	334	344	363	344	376	418	453	380	363	366	411
17-18	395	363	361	366	378	354	342	351	348	371	411	447	374	356	362	404
18-19	382	364	353	365	372	347	334	346	354	365	410	425	368	350	359	395
19-20	371	362	357	363	390	347	350	342	354	371	405	426	370	357	361	391
20-21	361	358	358	360	376	314	368	339	350	361	395	389	361	349	357	376
21-22	352	355	338	353	318	291	355	335	348	347	378	386	346	325	347	368
22-23	345	355	326	350	311	297	317	335	350	353	380	387	342	315	345	367
23-24	345	349	319	345	308	300	302	314	348	355	395	389	338	306	342	370
Mean	379	369	369	378	374	354	370	366	368	382	421	442	382	366	374	402

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (Disturbed Days)

Table 45 Baker Lake

60,000 γ +

1960

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	296	305	281	247	259	129	245	269	256	344	350	386	281	226	282	334
1-2	318	309	300	279	259	167	291	320	294	379	339	390	303	259	313	339
2-3	339	366	324	309	285	227	327	349	340	422	378	405	339	297	349	372
3-4	347	342	341	370	319	366	317	409	400	557	403	471	387	353	417	391
4-5	335	372	360	391	401	310	366	420	442	568	452	516	411	377	440	419
5-6	348	380	465	435	406	330	401	464	475	529	539	529	442	400	476	449
6-7	394	461	437	491	472	361	434	466	483	598	539	528	474	433	502	481
7-8	440	488	454	521	467	383	501	447	533	587	556	567	495	450	524	513
8-9	476	429	479	485	476	388	481	512	506	590	648	572	504	464	515	531
9-10	474	406	524	492	479	413	521	492	487	709	603	579	515	476	553	516
10-11	469	434	489	526	546	401	521	450	494	714	541	654	520	480	556	525
11-12	500	487	543	565	507	424	477	479	419	715	563	587	522	472	561	534
12-13	506	454	563	661	547	448	461	455	497	635	587	644	538	478	589	548
13-14	465	443	546	737	564	442	583	482	537	578	644	611	553	518	600	541
14-15	446	423	483	751	534	414	552	479	499	574	675	585	535	495	577	532
15-16	433	500	521	545	568	405	602	507	462	511	579	524	514	521	510	509
16-17	376	444	509	632	509	446	557	515	489	478	548	470	498	507	527	460
17-18	368	440	405	512	437	450	525	471	457	439	619	433	463	471	453	465
18-19	377	369	300	371	432	371	429	434	406	306	507	383	390	417	346	409
19-20	321	333	300	212	386	282	288	274	391	302	392	372	321	308	301	355
20-21	320	288	277	250	247	241	253	207	318	215	398	377	283	237	265	346
21-22	304	265	285	243	228	154	210	104	252	245	315	357	247	174	256	310
22-23	323	275	279	254	233	123	182	299	280	278	334	364	269	209	273	324
23-24	325	260	289	297	234	148	212	172	272	326	340	379	271	192	296	326
Mean	388	387	406	441	408	326	406	395	416	483	494	487	420	384	437	439

MEAN VALUES OF MAGNETIC ELEMENTS
NORTH COMPONENT OF HORIZONTAL INTENSITY (All Days)

Table 46 Baker Lake

3500 γ +

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	452	445	455	474	472	495	501	503	532	452	477	487	479	493	478	465
1-2	448	433	447	465	468	481	487	487	467	454	469	477	465	481	458	457
2-3	442	437	446	457	460	481	480	480	460	454	452	466	460	475	454	449
3-4	435	435	440	467	478	479	491	482	464	456	452	457	461	482	457	445
4-5	422	437	444	470	487	485	497	484	470	464	439	462	463	488	462	440
5-6	436	444	438	482	486	495	499	492	472	470	455	465	469	493	466	450
6-7	453	434	459	482	493	502	517	498	475	470	462	471	476	502	472	455
7-8	445	449	456	491	497	511	515	501	472	482	471	472	480	506	475	459
8-9	453	450	451	487	504	410	413	496	486	475	456	478	480	506	475	459
9-10	450	453	448	487	500	516	489	499	482	461	451	471	476	501	470	456
10-11	445	435	446	475	501	521	526	496	475	460	455	470	475	511	464	451
11-12	435	429	447	475	495	523	534	500	469	458	452	452	472	513	462	442
12-13	421	422	447	473	479	494	492	490	468	446	439	429	458	489	458	428
13-14	400	421	435	450	454	479	486	470	449	430	425	427	444	472	441	418
14-15	401	405	422	418	427	464	465	437	435	415	419	408	426	448	422	408
15-16	392	400	407	401	401	399	424	421	411	405	421	425	409	411	406	410
16-17	397	414	390	396	399	423	472	428	428	422	437	432	420	430	409	420
17-18	419	436	397	416	426	445	438	437	444	442	446	446	433	436	425	437
18-19	434	456	436	427	461	454	470	462	479	457	459	464	455	462	450	453
19-20	455	457	443	463	479	480	487	497	501	459	471	475	472	486	466	464
20-21	460	465	462	469	509	501	510	516	520	478	483	480	488	509	482	472
21-22	464	460	475	476	515	499	518	517	510	480	494	484	491	512	485	476
22-23	460	459	469	474	501	497	517	525	494	477	489	486	487	510	478	474
23-24	458	454	462	482	493	498	511	513	481	471	483	488	483	504	474	471
Mean	436	439	442	461	474	485	493	485	473	456	456	461	463	484	458	448

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (Quiet Days)

Table 47 Baker Lake

3500 γ +

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	455	458	452	475	486	512	513	512	489	478	478	491	483	506	474	470
1-2	451	454	449	467	482	492	521	515	479	476	476	491	479	502	468	468
2-3	444	452	453	461	477	486	498	484	473	474	476	483	472	486	465	464
3-4	439	446	451	463	481	477	493	476	474	474	472	467	468	482	466	456
4-5	447	445	451	452	481	485	486	481	472	472	471	475	468	483	462	460
5-6	445	451	452	464	481	492	496	485	474	477	471	477	472	488	467	461
6-7	451	448	457	473	485	492	522	486	477	480	474	479	477	496	472	463
7-8	452	453	462	480	485	492	515	489	482	479	479	483	479	495	476	467
8-9	457	454	460	475	490	499	527	487	486	476	474	479	480	501	474	466
9-10	453	450	455	469	495	508	524	487	481	475	474	479	479	504	470	464
10-11	445	448	451	476	495	519	538	490	480	475	472	480	481	510	470	461
11-12	433	445	449	472	487	519	523	496	479	468	472	472	476	506	467	456
12-13	426	446	446	468	483	488	493	489	474	467	467	468	468	488	464	452
13-14	420	442	436	443	445	475	465	460	455	462	461	473	453	461	449	449
14-15	417	431	424	398	409	454	392	429	439	460	450	471	431	421	430	442
15-16	411	412	393	388	423	428	368	435	429	452	443	460	420	414	416	432
16-17	416	412	384	417	406	426	428	432	427	456	446	463	426	423	421	434
17-18	424	411	403	422	411	430	433	429	443	459	455	464	432	426	432	438
18-19	437	428	416	442	448	449	465	454	465	463	464	476	450	454	446	451
19-20	456	446	427	458	475	466	507	482	490	474	472	485	470	482	462	465
20-21	464	469	455	481	497	491	541	510	504	485	486	488	489	510	481	477
21-22	465	481	475	485	502	507	566	529	510	483	493	492	499	526	488	483
22-23	467	482	460	490	515	531	557	542	509	482	495	497	502	536	485	485
23-24	467	470	466	513	507	549	546	530	499	484	500	494	502	533	490	483
Mean	443	447	443	459	473	486	496	484	474	472	472	479	469	485	462	460

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (Disturbed Days)

Table 48 Baker Lake

3500 γ +

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	418	436	447	432	490	438	529	477	456	364	461	463	451	484	425	444
1-2	424	379	429	435	481	454	496	415	463	391	449	437	438	462	430	422
2-3	428	406	449	440	476	494	504	459	471	444	419	443	453	483	451	424
3-4	408	437	413	457	498	501	520	502	441	423	459	425	457	505	434	432
4-5	417	437	430	481	512	509	549	513	461	455	443	452	472	521	457	437
5-6	428	457	407	489	491	527	472	523	455	453	443	436	465	503	451	441
6-7	450	407	487	439	493	520	542	525	418	423	450	460	468	520	442	442
7-8	439	457	449	495	505	551	510	527	445	499	452	465	482	523	472	453
8-9	449	432	462	481	535	533	538	518	489	489	459	486	489	531	480	456
9-10	444	431	410	482	530	539	379	529	474	435	385	478	460	494	450	434
10-11	442	435	435	423	521	552	525	534	475	441	393	458	469	533	444	432
11-12	426	413	448	423	513	565	598	549	440	439	392	388	466	556	438	405
12-13	420	428	447	436	498	504	407	516	457	380	363	330	432	481	430	385
13-14	379	408	431	447	508	507	481	538	418	372	343	372	434	508	417	376
14-15	385	355	451	409	441	537	566	517	443	379	352	313	429	515	420	351
15-16	365	409	464	395	381	377	442	524	432	363	375	377	409	431	414	382
16-17	358	501	439	377	371	419	625	476	440	408	415	370	433	473	416	411
17-18	361	530	407	348	397	461	520	413	444	407	433	419	428	448	402	436
18-19	382	512	462	306	455	434	492	441	532	413	417	435	440	456	428	436
19-20	412	477	465	391	447	454	522	526	519	355	436	440	454	487	432	441
20-21	412	477	461	432	504	431	522	517	553	387	442	429	464	494	458	440
21-22	422	448	465	454	499	470	472	465	514	408	465	423	459	476	460	440
22-23	420	413	464	427	495	459	470	475	424	415	458	458	448	475	432	437
23-24	420	413	461	434	484	475	495	476	416	417	452	447	449	482	432	433
Mean	413	437	445	430	480	488	507	498	462	415	423	425	452	493	438	424

MEAN VALUES OF MAGNETIC ELEMENTS

EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (All days)

Table 49 Baker Lake

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	200	193	192	186	181	191	176	199	198	185	206	209	193	187	190	202
1-2	196	185	189	172	165	167	132	184	182	180	200	203	180	162	181	196
2-3	188	190	183	159	155	168	122	176	170	169	189	199	172	155	170	192
3-4	176	191	177	158	154	158	128	169	165	165	183	188	168	152	166	184
4-5	172	186	164	160	158	150	127	164	156	175	173	190	164	150	164	180
5-6	165	181	163	172	166	156	148	170	161	178	174	184	168	160	168	176
6-7	171	172	178	182	183	185	161	188	173	187	190	192	180	179	180	181
7-8	174	191	187	203	198	202	175	201	189	201	197	204	193	194	195	192
8-9	195	206	206	218	214	206	177	209	214	220	208	214	207	202	214	206
9-10	208	220	227	225	224	209	177	222	227	228	217	222	217	208	227	217
10-11	220	225	230	226	228	224	208	223	230	228	225	231	225	221	228	225
11-12	231	234	230	227	238	238	237	230	238	232	232	237	234	236	232	234
12-13	231	244	237	238	254	254	236	247	242	236	237	241	241	248	238	238
13-14	237	243	244	253	254	274	271	255	252	238	237	241	250	264	247	240
14-15	231	241	251	258	265	285	278	271	248	234	233	242	253	275	248	237
15-16	224	240	241	264	272	265	286	258	241	231	233	238	249	270	244	234
16-17	222	235	232	246	246	248	278	238	232	224	225	228	238	252	234	228
17-18	217	231	217	236	236	254	287	227	223	221	219	218	231	251	224	221
18-19	210	223	215	231	249	253	283	228	229	217	215	210	238	253	223	214
19-20	209	225	217	237	240	255	291	232	242	214	216	213	232	254	228	216
20-21	207	227	219	235	249	246	287	237	245	219	217	213	233	255	230	216
21-22	209	210	220	226	246	248	266	230	237	209	216	213	227	248	223	212
22-23	203	204	211	212	224	220	230	231	215	204	214	212	215	226	210	208
23-24	203	198	203	200	202	211	206	217	197	202	211	212	205	209	200	206
Mean	204	212	210	214	217	219	215	217	213	208	211	215	213	217	211	210

MEAN VALUES OF MAGNETIC ELEMENTS
EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 50 Baker Lake

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	208	206	198	190	198	221	213	213	209	209	211	219	208	211	202	211
1-2	206	207	202	186	195	207	210	206	205	208	204	218	204	204	200	209
2-3	201	206	204	186	191	198	188	191	202	207	200	215	199	192	200	206
3-4	197	206	203	191	187	187	177	186	198	206	201	210	196	184	200	204
4-5	196	203	199	177	182	184	165	182	197	201	201	207	191	178	194	202
5-6	186	199	199	192	180	185	166	184	199	200	206	204	192	179	198	199
6-7	190	203	205	191	195	201	185	189	199	206	214	205	198	192	200	203
7-8	192	206	210	203	208	209	191	200	209	214	216	212	206	202	209	206
8-9	204	208	214	217	219	208	209	214	215	216	217	219	213	212	216	212
9-10	217	216	220	223	218	217	217	217	218	219	218	219	218	217	220	218
10-11	216	214	220	216	220	225	217	214	216	219	218	219	218	219	218	217
11-12	219	215	221	219	231	225	244	219	220	218	220	222	223	230	220	219
12-13	216	217	221	229	241	219	254	238	225	219	221	222	227	238	224	219
13-14	216	218	228	246	250	253	256	245	232	219	221	221	234	251	231	219
14-15	212	218	235	241	254	265	262	252	232	222	221	222	236	258	232	218
15-16	209	220	231	232	242	239	253	234	220	224	223	224	229	242	227	219
16-17	205	216	226	220	228	217	214	221	212	218	219	219	218	220	219	215
17-18	199	210	214	213	218	211	222	206	210	213	214	211	212	214	212	208
18-19	199	203	208	209	224	205	229	202	210	211	206	205	209	215	210	203
19-20	200	206	207	199	228	199	234	206	207	205	205	210	209	217	204	205
20-21	209	216	213	216	238	198	266	213	213	205	209	212	217	229	212	212
21-22	208	218	225	209	222	222	261	227	217	208	213	217	220	233	215	214
22-23	209	219	209	207	210	235	231	237	213	207	217	219	218	228	209	216
23-24	211	213	204	216	200	235	218	233	210	210	220	219	216	222	210	216
Mean	205	211	213	210	216	215	220	214	212	212	213	215	213	216	212	211

MEAN VALUES OF MAGNETIC ELEMENTS

EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 51 Baker Lake

1961

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	180	173	177	155	176	112	135	129	172	116	190	177	158	138	155	180
1-2	178	128	162	121	138	78	87	84	171	114	177	150	132	97	142	158
2-3	151	155	142	123	174	92	110	99	158	79	162	160	134	119	126	157
3-4	131	179	140	102	182	111	124	116	149	59	172	143	134	133	112	156
4-5	165	172	109	109	148	95	125	129	101	118	159	156	132	124	109	163
5-6	137	177	137	158	123	118	115	147	126	124	161	147	139	126	136	156
6-7	154	136	154	149	120	183	155	200	145	134	160	165	154	164	146	154
7-8	168	175	171	199	167	200	171	208	162	185	176	191	181	186	179	178
8-9	191	195	194	212	205	225	146	205	210	208	227	223	203	195	206	209
9-10	213	219	237	226	220	200	75	230	239	230	193	236	210	181	233	215
10-11	238	252	263	230	235	226	191	231	254	258	224	267	239	221	251	245
11-12	261	262	267	219	247	258	247	246	265	273	250	284	256	250	256	264
12-13	245	290	279	230	270	263	182	254	257	281	260	262	256	242	262	264
13-14	256	298	292	262	272	322	334	263	283	280	262	292	285	298	279	277
14-15	257	272	287	271	291	302	303	311	263	236	268	288	279	302	264	271
15-16	260	271	256	303	299	287	339	305	272	239	264	281	281	308	268	269
16-17	269	277	242	282	270	295	348	269	254	241	245	242	269	296	255	258
17-18	258	282	229	293	257	314	482	282	233	240	232	219	277	334	249	248
18-19	219	278	206	256	311	322	505	263	260	229	225	191	272	350	238	228
19-20	217	265	219	259	257	308	477	240	300	219	236	204	267	320	249	230
20-21	197	257	236	233	259	245	377	259	284	212	227	201	249	285	241	220
21-22	199	202	229	224	250	254	304	212	263	171	203	191	225	255	222	199
22-23	186	176	218	190	233	199	203	193	199	164	197	188	195	207	193	187
23-24	184	154	205	167	198	188	172	180	150	160	184	187	177	184	170	177
Mean	205	219	210	207	221	217	238	211	215	190	210	210	213	222	206	211

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (All Days)

Table 52 Baker Lake

60,000 γ +

1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	362	386	378	348	332	302	252	292	312	349	373	389	340	294	347	378
1-2	365	393	389	363	353	305	273	309	329	358	378	396	351	310	360	383
2-3	375	397	401	383	383	325	302	320	348	370	394	404	367	332	376	392
3-4	388	411	411	406	403	358	329	334	366	377	399	412	383	356	390	402
4-5	398	416	435	427	429	399	373	347	401	397	424	428	406	387	415	416
5-6	412	440	464	438	466	433	407	368	426	415	436	435	428	418	436	431
6-7	442	459	463	460	474	438	435	387	438	444	440	451	444	434	451	448
7-8	471	473	495	464	485	433	447	390	458	439	462	459	456	439	464	466
8-9	473	484	505	468	470	450	457	387	438	438	486	451	459	441	462	474
9-10	481	491	492	466	488	469	470	387	441	462	490	474	468	454	465	484
10-11	471	500	498	478	482	470	479	401	453	453	484	474	470	458	470	482
11-12	479	517	498	496	502	492	480	408	471	444	477	490	479	470	476	491
12-13	494	505	486	502	513	519	533	413	473	454	475	513	490	494	479	497
13-14	489	493	508	516	526	523	528	449	483	455	472	490	494	506	490	486
14-15	483	501	505	515	523	506	526	415	464	443	452	482	484	492	482	480
15-16	461	498	487	502	464	507	490	394	435	425	430	451	462	464	462	460
16-17	441	462	457	469	432	463	437	373	413	416	414	428	434	426	439	436
17-18	418	445	452	449	429	433	405	373	404	394	406	404	418	410	425	418
18-19	399	435	427	425	423	396	355	357	390	382	402	396	399	383	406	408
19-20	386	410	407	397	406	370	315	341	368	370	396	389	380	358	386	395
20-21	376	388	390	359	368	341	291	335	334	350	387	389	359	334	358	385
21-22	369	377	371	336	332	308	275	311	287	345	374	381	339	306	335	375
22-23	363	377	372	328	315	291	240	295	286	336	375	381	330	285	330	374
23-24	358	379	378	332	319	298	233	293	290	341	374	381	331	286	335	373
Mean	423	443	444	430	430	410	389	362	396	402	425	431	415	398	418	430

Days missing: Aug 3, 5.

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 53 Baker Lake 60,000 γ + 1961

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	389	394	384	372	379	342	286	328	345	363	392	401	364	334	366	394
1-2	389	394	389	370	387	346	296	322	346	361	389	398	366	338	366	392
2-3	388	393	399	384	399	350	299	326	350	362	396	400	370	344	374	394
3-4	386	397	405	397	404	364	308	331	353	362	396	393	375	352	379	393
4-5	384	401	411	415	418	384	359	346	353	365	399	403	386	377	386	397
5-6	399	409	417	412	450	413	377	354	357	375	401	412	398	398	390	405
6-7	417	413	421	441	457	427	396	370	368	374	406	426	410	412	401	416
7-8	423	415	432	470	439	415	433	367	372	374	419	438	416	414	412	424
8-9	417	420	434	452	446	399	408	361	376	372	425	446	413	404	408	427
9-10	428	427	429	468	477	412	404	355	373	381	417	432	417	412	413	426
10-11	429	422	429	463	487	430	413	355	373	379	419	423	418	421	411	423
11-12	448	417	431	464	479	480	441	368	379	380	418	426	428	442	414	427
12-13	448	419	444	483	477	508	458	383	400	372	417	424	436	456	425	427
13-14	444	421	455	494	496	474	459	414	401	376	415	409	438	461	432	422
14-15	428	424	467	475	470	466	456	386	391	371	408	403	429	444	426	416
15-16	412	432	446	453	429	447	354	352	378	366	401	396	405	396	411	410
16-17	398	417	425	419	427	394	311	342	357	360	396	396	387	368	390	402
17-18	383	402	402	406	422	379	333	325	347	358	391	396	379	365	378	393
18-19	386	399	403	412	424	379	355	329	359	358	402	400	384	372	383	397
19-20	394	400	396	416	426	384	357	342	365	364	406	400	387	377	385	400
20-21	385	401	392	418	389	395	339	341	360	363	404	400	382	366	383	398
21-22	385	404	370	412	371	396	315	326	346	361	399	403	374	352	372	398
22-23	382	397	384	398	351	378	269	299	334	359	392	401	362	324	369	393
23-24	378	393	377	382	340	361	263	295	329	357	386	398	355	315	361	389
Mean	405	409	414	428	427	405	362	347	363	367	404	409	395	385	393	407

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (Disturbed Days)

Table 54 Baker Lake 60,000 γ + 1961

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	375	406	373	338	302	243	162	237	304	342	345	389	318	236	339	379
1-2	369	414	385	358	320	246	195	288	315	373	358	403	335	262	358	386
2-3	380	416	412	381	358	296	253	308	363	393	403	412	364	304	387	403
3-4	439	419	426	453	382	357	292	339	389	418	396	457	397	342	422	428
4-5	429	434	450	502	446	448	359	370	451	480	437	491	441	406	471	448
5-6	460	473	495	474	589	475	452	420	490	514	430	490	480	484	493	463
6-7	463	507	507	520	594	448	426	426	521	596	482	488	498	474	536	485
7-8	503	532	555	502	585	443	425	423	514	532	517	529	505	469	526	520
8-9	502	561	602	512	528	498	480	449	496	509	551	490	515	489	530	526
9-10	533	587	630	519	546	550	586	463	545	615	625	541	562	536	577	572
10-11	505	591	677	588	547	546	608	476	525	600	614	574	571	544	598	571
11-12	512	619	625	637	565	538	525	460	570	571	595	651	572	522	601	594
12-13	535	569	554	572	550	607	719	462	499	631	597	667	580	584	564	592
13-14	528	554	603	589	583	601	695	629	554	572	614	619	595	627	580	579
14-15	544	624	588	615	629	571	675	519	527	520	578	650	587	598	562	599
15-16	515	611	557	618	577	632	677	490	462	514	540	522	560	594	538	547
16-17	495	547	488	599	513	582	507	420	401	476	492	460	498	506	491	498
17-18	452	538	465	578	460	545	433	394	402	430	435	409	462	458	469	458
18-19	407	496	460	470	455	399	359	361	412	398	409	407	419	394	435	430
19-20	382	435	437	455	402	354	221	322	372	373	383	387	377	325	409	397
20-21	375	366	391	393	367	323	219	345	313	323	344	378	345	314	355	366
21-22	362	350	366	366	332	243	199	270	130	329	313	382	303	261	298	352
22-23	351	367	366	340	299	264	128	266	155	321	343	376	298	239	296	359
23-24	369	382	372	347	326	273	134	284	191	342	356	386	313	254	313	373
Mean	449	492	491	489	469	437	405	393	413	466	465	482	454	426	465	472

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (All Days)

Table 55 Baker Lake			3500 γ +										1962			
G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	496	498	503	498	531	523	524	513	507	494	510	511	509	523	500	504
1-2	491	494	494	502	524	518	505	502	494	473	506	509	501	512	491	500
2-3	483	492	489	496	521	519	508	499	507	465	492	505	498	512	489	493
3-4	468	487	488	495	511	515	508	494	477	481	492	498	493	507	485	486
4-5	456	482	476	500	516	514	516	505	486	465	486	496	491	513	482	480
5-6	475	482	489	516	520	529	527	522	515	456	494	489	501	524	494	485
6-7	478	491	493	518	527	539	525	518	524	494	503	506	510	527	507	494
7-8	477	504	503	515	529	537	524	531	519	503	495	507	512	530	510	496
8-9	483	502	496	516	527	541	537	525	524	494	502	502	512	532	508	497
9-10	482	496	495	513	525	533	538	527	532	494	511	495	512	531	508	496
10-11	474	488	495	503	530	522	533	525	519	503	499	490	507	528	505	488
11-12	465	469	493	504	525	518	524	524	503	490	486	486	499	523	498	476
12-13	453	474	479	491	513	502	519	506	503	473	468	483	489	510	486	470
13-14	445	457	447	477	483	466	490	481	490	456	446	479	468	480	468	457
14-15	440	448	438	453	446	435	453	440	473	435	447	452	447	444	450	447
15-16	433	445	432	433	428	411	427	429	456	443	456	445	436	424	441	445
16-17	433	454	432	457	432	439	424	440	477	456	468	467	448	434	456	456
17-18	452	458	442	463	469	463	456	477	477	494	481	486	468	466	469	469
18-19	467	484	469	481	493	497	488	504	494	507	505	499	491	496	488	489
19-20	480	498	489	516	510	521	540	529	515	519	520	502	512	525	510	500
20-21	490	505	507	546	523	538	578	538	528	519	531	512	526	544	525	510
21-22	495	512	511	528	533	540	551	530	532	524	527	516	525	538	524	512
22-23	494	511	510	534	532	533	553	528	532	515	521	513	523	536	523	510
23-24	497	510	508	519	532	529	540	520	528	507	520	513	518	530	516	510
Mean	471	485	482	499	508	507	512	504	505	486	494	494	496	508	493	486

MEAN VALUES OF MAGNETIC ELEMENTS
NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 56 Baker Lake

3500 γ +

1962

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	494	498	503	509	544	542	548	540	524	484	518	531	520	544	505	510
1-2	492	493	500	527	536	533	532	525	512	478	511	532	514	532	504	507
2-3	488	490	495	523	531	515	501	507	486	488	505	522	504	514	498	501
3-4	482	487	488	513	509	520	498	500	486	499	514	511	500	507	496	498
4-5	478	484	473	514	503	515	507	505	505	494	509	495	498	508	496	492
5-6	477	481	495	523	506	524	517	513	518	516	511	483	505	515	513	488
6-7	481	490	499	526	506	533	520	511	514	508	512	494	508	518	512	494
7-8	480	490	501	530	515	527	517	512	503	473	516	512	506	518	502	500
8-9	471	487	497	531	518	528	517	516	510	500	514	515	509	520	510	497
9-10	478	490	493	522	523	528	519	518	510	496	516	508	508	522	505	498
10-11	477	489	497	520	524	524	518	513	511	500	513	503	507	520	507	496
11-12	469	480	495	515	523	515	519	515	506	511	507	499	504	518	507	489
12-13	465	466	494	509	508	509	515	498	499	480	504	497	495	508	496	483
13-14	462	454	476	494	494	478	499	476	485	445	500	481	479	487	475	474
14-15	458	448	454	457	469	459	471	458	461	450	495	490	464	464	456	473
15-16	460	446	442	412	442	456	435	451	449	435	486	481	450	446	434	468
16-17	467	459	454	423	444	459	439	457	475	451	493	484	459	450	451	476
17-18	470	467	467	471	477	477	470	487	471	483	501	499	478	478	473	484
18-19	477	480	472	499	490	495	490	503	488	495	508	508	492	494	488	493
19-20	482	489	484	526	506	508	499	516	524	533	517	519	508	507	517	502
20-21	489	499	497	531	520	522	519	518	528	538	522	525	517	520	524	509
21-22	495	500	500	546	527	531	537	543	551	553	529	535	529	534	538	515
22-23	498	500	507	555	536	540	550	567	553	539	531	531	534	548	538	515
23-24	497	500	502	549	539	563	542	543	523	523	530	533	529	547	524	515
Mean	479	482	487	509	508	512	507	508	504	495	511	508	501	509	499	495

MEAN VALUES OF MAGNETIC ELEMENTS

NORTH COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 57 Baker Lake

3500 γ +

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	493	492	505	441	518	514	481	509	503	467	508	464	491	506	479	489
1-2	487	488	493	466	517	527	477	476	511	377	499	462	482	499	462	484
2-3	474	503	489	514	515	536	515	478	602	461	453	453	499	511	516	471
3-4	451	514	490	508	503	528	524	507	407	508	478	465	490	516	478	477
4-5	445	504	419	488	537	510	512	506	443	496	504	478	487	516	462	483
5-6	474	473	459	512	531	552	530	521	513	436	492	484	498	534	480	481
6-7	468	483	491	508	551	552	514	542	542	514	479	508	513	540	514	484
7-8	458	515	509	497	538	556	551	568	527	525	497	501	520	553	514	493
8-9	479	504	503	484	523	577	554	530	535	456	498	473	510	546	494	488
9-10	482	509	492	516	525	517	553	505	529	500	519	474	510	525	509	496
10-11	463	508	495	451	542	505	555	529	522	538	475	470	504	533	502	479
11-12	420	437	496	478	552	510	516	550	463	503	472	488	490	532	485	454
12-13	389	494	456	428	540	495	534	531	492	455	394	470	473	525	458	437
13-14	387	451	387	423	516	475	492	488	467	432	354	489	447	493	427	420
14-15	380	454	428	407	436	430	445	440	507	464	417	465	439	438	452	429
15-16	386	442	453	362	415	433	411	450	453	496	466	445	434	427	441	435
16-17	395	448	413	422	415	465	391	444	489	505	480	460	444	429	457	446
17-18	462	466	408	422	443	465	468	450	465	525	494	477	462	456	455	475
18-19	475	503	453	421	458	480	511	478	459	467	501	473	473	482	450	488
19-20	479	488	473	444	469	496	539	533	425	489	496	432	480	509	458	474
20-21	495	492	496	499	485	529	586	538	514	466	483	433	501	534	494	476
21-22	499	515	501	433	489	507	509	504	484	473	458	443	484	502	473	479
22-23	489	496	497	471	457	507	537	478	443	485	475	452	482	495	474	478
23-24	492	511	504	465	487	503	507	493	440	499	505	473	490	498	477	495
Mean	455	487	471	461	498	507	509	502	489	481	475	468	484	504	476	471

MEAN VALUES OF MAGNETIC ELEMENTS
EAST COMPONENT OF HORIZONTAL INTENSITY (γ) (All Days)

Table 58 Baker Lake

1962

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct*	Nov	Dec	Year	Summer	Equinox	Winter
0-1	218	211	204	181	202	202	197	194	200	189	223	222	204	199	194	218
1-2	218	211	199	178	193	190	170	179	185	178	219	218	195	183	185	216
2-3	213	206	197	172	192	180	160	160	169	184	206	217	188	173	180	210
3-4	204	203	194	164	183	174	160	154	145	171	204	211	180	168	168	206
4-5	193	194	185	168	185	156	162	148	157	156	192	197	174	163	166	194
5-6	191	190	187	181	185	159	168	163	163	148	185	188	176	169	170	188
6-7	200	193	190	188	192	180	180	178	175	176	192	194	186	182	182	195
7-8	205	203	204	200	204	195	193	202	186	202	204	207	200	198	198	205
8-9	216	218	218	218	210	210	212	226	223	216	217	216	217	214	219	217
9-10	225	225	225	227	219	216	222	235	236	234	236	234	228	223	230	230
10-11	228	230	226	229	223	226	231	246	248	252	248	239	235	232	239	236
11-12	227	236	227	235	233	246	248	253	252	262	253	244	243	245	244	240
12-13	229	231	236	244	250	261	257	264	260	266	255	245	250	258	251	240
13-14	234	232	242	254	260	277	269	276	264	264	254	252	256	270	256	243
14-15	236	235	243	262	261	286	278	278	270	266	254	254	260	276	260	245
15-16	231	236	239	256	255	266	267	259	278	259	241	248	253	262	258	239
16-17	224	234	231	258	241	244	254	252	272	251	234	244	245	248	253	234
17-18	217	230	226	247	234	240	248	238	252	265	226	243	239	240	247	229
18-19	217	226	222	241	235	258	245	238	261	261	234	240	240	244	246	229
19-20	214	222	220	257	227	257	264	243	267	254	234	234	241	248	250	226
20-21	216	223	220	261	230	252	285	250	257	245	238	229	242	254	246	226
21-22	214	222	221	237	228	232	264	249	244	229	230	222	233	243	233	222
22-23	216	219	216	217	223	224	239	227	228	219	226	223	223	228	220	221
23-24	219	216	209	201	212	215	218	216	213	210	225	222	215	215	208	220
Mean	217	219	216	220	220	223	225	222	225	223	226	227	222	222	221	222

*Oct. 27 missing

MEAN VALUES OF MAGNETIC ELEMENTS
EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 59 Baker Lake

1962

G. M. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	217	219	211	193	224	235	234	236	225	184	232	236	220	232	203	226
1-2	218	218	209	203	219	226	201	219	214	183	229	236	214	216	202	225
2-3	218	217	206	194	204	207	173	200	191	203	222	230	205	196	198	222
3-4	218	214	200	194	191	207	169	194	193	185	224	222	201	190	193	220
4-5	212	205	192	201	184	194	173	201	206	173	222	211	198	188	193	212
5-6	208	199	202	205	185	192	184	202	198	186	219	213	199	191	198	210
6-7	207	204	207	203	182	202	186	203	201	176	220	207	200	193	197	210
7-8	210	204	214	208	194	206	206	214	212	170	228	209	206	205	201	213
8-9	214	217	222	216	210	218	216	226	226	225	226	224	220	218	222	220
9-10	218	220	225	229	217	228	220	229	232	248	230	234	227	224	234	226
10-11	218	219	220	232	221	242	227	229	230	244	230	235	229	230	232	226
11-12	221	223	218	231	235	245	240	235	235	250	232	230	233	239	234	226
12-13	219	228	219	233	247	251	241	248	240	247	232	230	236	247	235	227
13-14	222	226	225	245	249	269	258	255	247	245	232	233	242	258	240	228
14-15	222	224	229	257	255	268	257	258	258	244	234	232	245	260	247	228
15-16	221	218	226	248	244	250	255	246	255	239	232	231	239	249	242	226
16-17	219	214	222	237	225	235	234	225	245	231	227	228	228	230	234	222
17-18	214	212	218	228	214	227	219	221	218	238	221	222	221	220	226	217
18-19	211	209	212	233	201	214	217	206	207	241	220	218	216	210	223	214
19-20	210	205	210	235	202	212	220	205	230	236	224	223	218	210	228	216
20-21	210	213	213	242	204	207	214	215	233	235	226	223	220	210	231	218
21-22	213	215	213	229	207	218	228	232	242	242	228	226	224	221	232	220
22-23	215	215	215	229	219	226	240	242	235	235	233	230	228	232	228	223
23-24	218	218	209	219	221	240	234	240	214	222	232	230	225	234	216	224
Mean	216	215	214	223	215	226	218	224	224	220	227	226	221	221	220	221

MEAN VALUES OF MAGNETIC ELEMENTS
EAST COMPONENT OF HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 60 Baker Lake 1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	214	197	211	124	197	187	150	164	214	147	221	190	185	174	174	206
1-2	212	210	203	132	175	187	146	127	195	104	198	176	172	159	158	199
2-3	207	214	197	167	178	177	133	75	164	163	169	172	168	141	173	190
3-4	196	221	197	147	155	147	127	113	116	195	189	182	165	136	164	197
4-5	176	207	169	143	184	92	119	110	125	163	166	162	151	126	150	178
5-6	165	190	158	166	179	123	107	140	136	134	150	135	148	137	148	160
6-7	181	187	169	165	199	151	156	177	166	178	154	177	172	171	170	175
7-8	185	198	187	190	210	178	180	185	160	204	208	184	189	188	185	194
8-9	201	217	216	210	213	197	207	236	226	172	204	180	206	213	206	200
9-10	225	226	229	238	228	194	236	219	240	228	248	216	227	219	234	229
10-11	239	244	240	223	224	191	242	236	265	269	261	240	239	223	249	246
11-12	237	251	240	248	243	240	250	251	251	286	266	261	252	246	256	254
12-13	243	270	267	245	279	266	265	284	286	294	261	256	268	274	273	258
13-14	258	279	265	272	290	289	292	278	280	282	263	283	277	287	275	271
14-15	258	291	270	302	297	309	317	310	300	290	270	288	292	308	290	277
15-16	254	297	271	300	297	272	307	280	324	287	268	289	287	289	296	277
16-17	244	275	246	307	273	252	280	263	316	304	258	308	277	267	293	271
17-18	233	264	246	300	283	271	260	236	273	310	254	302	269	262	282	263
18-19	233	252	262	279	308	304	240	238	350	285	271	295	276	272	294	263
19-20	223	223	249	285	253	293	250	270	324	269	240	244	260	266	282	232
20-21	225	221	224	280	259	286	322	280	295	255	226	208	257	287	264	220
21-22	217	217	213	229	229	230	261	258	238	216	206	195	226	244	224	209
22-23	212	207	211	196	191	210	233	205	183	202	203	204	205	210	198	206
23-24	214	212	215	162	201	188	197	192	164	208	217	191	197	194	187	208
Mean	219	232	223	221	231	218	220	214	233	227	224	222	224	221	226	224

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (All Days)

Table 61 Baker Lake

60,000 γ +

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	386	392	393	355	322	302	291	291	337	360	361	376	347	302	361	379
1-2	394	400	396	371	335	320	309	307	352	379	372	387	360	318	374	388
2-3	394	400	401	396	354	340	325	339	387	385	387	398	375	340	392	395
3-4	410	408	411	413	379	364	343	376	437	406	397	409	396	366	417	406
4-5	410	416	422	434	387	399	383	421	462	457	408	430	419	398	444	416
5-6	418	432	426	447	404	433	412	440	482	467	441	439	437	422	456	432
6-7	434	448	454	488	416	445	445	475	482	472	462	439	455	445	474	446
7-8	458	463	468	484	422	454	459	477	509	501	481	449	469	453	490	463
8-9	458	471	472	485	436	464	446	465	496	507	478	469	470	453	490	469
9-10	450	495	463	485	437	483	448	444	489	520	457	476	470	453	489	470
10-11	458	495	460	496	455	491	453	441	489	514	469	500	477	460	490	480
11-12	466	511	462	502	464	496	453	452	496	519	487	495	483	466	495	490
12-13	474	503	490	507	483	511	465	469	502	533	495	491	493	482	508	491
13-14	474	503	510	513	485	515	482	487	509	535	495	474	498	492	517	486
14-15	458	495	496	513	472	475	481	487	516	529	478	473	489	479	514	476
15-16	434	479	469	501	447	438	445	452	502	483	431	443	460	446	489	447
16-17	418	448	457	472	400	405	416	431	482	458	417	416	435	413	467	425
17-18	410	432	424	438	397	392	393	409	449	434	399	396	414	398	436	409
18-19	402	424	415	393	390	392	392	381	418	396	387	388	398	389	406	400
19-20	402	408	406	371	378	364	369	362	381	359	372	373	379	368	379	389
20-21	394	400	403	346	346	325	329	314	338	328	350	363	353	328	354	377
21-22	394	392	390	340	324	306	283	281	309	315	348	366	337	298	338	375
22-23	394	384	388	327	314	298	279	272	319	314	355	368	334	291	337	375
23-24	386	384	390	390	317	305	278	279	317	337	356	368	342	295	358	374
Mean	424	441	436	436	398	405	391	398	436	438	420	424	420	398	436	427

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (Disturbed Days)

Table 62 Baker Lake 60,000 γ + 1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	384	367	373	366	290	233	310	263	326	370	363	377	335	274	359	373
1-2	380	365	390	376	314	281	325	284	336	422	375	405	354	301	381	381
2-3	386	364	397	394	364	320	351	344	388	379	401	436	377	345	390	397
3-4	407	384	406	435	421	367	367	378	460	380	415	461	407	383	420	417
4-5	429	406	405	464	398	449	455	460	532	462	442	538	453	440	466	454
5-6	426	441	414	478	417	478	489	488	547	451	552	547	477	468	472	492
6-7	455	430	480	552	407	501	510	481	525	454	506	495	483	475	503	472
7-8	490	456	496	529	415	466	488	530	617	535	527	498	504	475	544	493
8-9	479	481	513	560	424	486	467	574	547	597	534	594	521	488	554	522
9-10	474	517	512	561	418	592	462	551	552	615	490	544	524	506	560	506
10-11	493	508	530	627	435	593	469	526	560	528	517	574	530	506	561	523
11-12	567	590	510	640	455	571	498	515	596	530	537	543	546	510	569	559
12-13	594	551	568	667	508	585	506	497	549	582	573	564	562	524	592	570
13-14	578	511	644	666	517	575	546	529	570	598	619	539	574	542	620	562
14-15	533	517	604	660	487	507	582	520	550	547	575	519	550	524	590	536
15-16	488	492	546	616	451	431	520	470	547	535	483	489	506	468	561	488
16-17	442	444	531	549	412	449	428	478	562	451	460	424	469	442	523	442
17-18	413	444	426	486	442	395	351	487	509	429	433	349	430	419	462	410
18-19	402	380	406	395	412	436	384	436	439	345	370	323	394	417	396	369
19-20	394	330	365	307	387	329	370	390	341	332	329	310	349	369	336	341
20-21	383	337	382	248	318	252	294	257	289	255	317	322	304	280	294	340
21-22	364	340	369	278	288	222	187	210	214	253	327	329	282	227	278	340
22-23	378	329	364	258	314	250	281	197	263	290	336	328	299	260	294	343
23-24	372	342	375	266	306	271	256	227	286	330	343	333	309	265	314	348
Mean	446	430	458	474	400	418	412	420	463	444	451	452	439	412	460	445

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 63 Baker Lake

60,000 γ +

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	399	422	411	334	358	363	296	335	359	334	354	384	362	338	360	390
1-2	400	422	413	349	365	363	309	344	367	351	365	389	370	345	370	394
2-3	402	422	409	374	357	359	323	345	399	364	371	388	376	346	386	396
3-4	402	422	418	381	367	362	347	356	391	394	375	390	384	358	396	397
4-5	405	429	428	387	379	383	364	370	397	431	378	403	396	374	411	404
5-6	410	448	422	392	394	410	388	372	428	454	383	412	409	391	424	413
6-7	418	456	426	392	409	428	424	388	447	453	387	421	421	412	430	420
7-8	432	471	430	406	416	430	414	393	438	506	403	436	431	413	445	436
8-9	432	457	437	406	423	419	394	394	425	499	394	430	426	408	442	428
9-10	426	449	436	406	428	422	399	387	417	523	391	433	426	409	446	425
10-11	423	444	428	411	433	432	413	383	413	526	393	443	428	415	444	426
11-12	431	457	431	409	443	435	424	405	421	480	395	444	431	427	435	432
12-13	426	478	444	421	443	455	433	423	443	481	393	433	439	438	447	432
13-14	421	484	453	426	463	483	446	438	465	472	395	432	448	458	454	433
14-15	416	465	446	443	438	435	464	434	453	484	391	415	440	443	456	422
15-16	404	446	429	423	424	399	437	395	438	447	384	404	419	414	434	410
16-17	402	424	422	371	394	393	372	359	428	423	380	397	397	380	411	401
17-18	404	421	408	403	386	389	360	354	413	409	383	391	393	372	408	400
18-19	407	429	408	385	385	390	365	362	390	404	383	393	392	376	397	403
19-20	412	432	415	352	389	397	372	368	383	396	384	401	392	382	386	407
20-21	410	433	408	325	396	400	386	370	364	380	385	403	388	388	369	408
21-22	410	432	394	318	400	403	382	369	331	362	382	395	381	388	351	405
22-23	410	430	393	336	395	399	362	334	330	331	379	391	374	372	348	402
23-24	410	424	396	336	380	368	342	312	318	345	363	392	365	350	349	397
Mean	413	442	421	383	403	405	384	374	402	427	383	409	404	392	408	412



