

CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
Dominion Observatories

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RECORD OF OBSERVATIONS AT
MEANOOK MAGNETIC OBSERVATORY
1961 AND 1962

Anne B. Cook

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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 East	H	Z	X North	Y East	I North	F
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 East	H	Z	X North	Y East	I North	F
	° ' ° '	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. 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	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	9.9	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 γ +

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	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	725	731	772	772	772	770	770	776	776	776	770	769	771	771	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
5 Q	770	770	770	769	767	767	767	767	767	765	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

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 Meanook

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	

MEANOOK 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	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	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	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	751	757	761	762	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	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	-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	

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	

MEANOOK MAGNETIC OBSERVATORY, 1961-1962

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	759	758	758	758	758	758	758	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	1061	1062	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	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	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 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	+35	+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	-52	-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	-51.0	-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	-52.3	-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	+6.7	+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	-27	-17	-9	-1	+1	+4	+8	+14	+30	+25	+34	+32	+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.		1961																					
	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																								
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	+8	+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																								
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																								
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	-5	-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	+2	+1	+1	+3	+4	+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 1961																								
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	+31	+31	+14	-69	-129	-294	-225	-186	-113	-21	+33	+46	+20	+11	+5	+31	+73	+80	+155
March	+121	+134	+113	+168	+137	+104	+51	+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 1961																								
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 1961																								
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	-156	-44	+1	+36	+45	+52	+58	+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	5541	
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	3323	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								
	D	H	Z	K	D	H	Z	K									
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	6655	6211	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	1221	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	66.6	61.7	57.4	59.5	59.1	61.0	62.2	63.3	
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 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	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 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	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

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	63.1	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	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	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	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	
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

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

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	1068
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 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	62.6	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	728	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	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 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 1962																								
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 1962																								
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	+1.2	-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 1962																								
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	-4	-5	-2	+3	+7	+8	+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	-7	-3	+1	+6	+6
July	-16	-20	-21	-21	-18	-10	+8	+5	+7	+2	+3	+4	+2	+8	+8	+9	+8	+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 1962																								
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 1962																								
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	-4.0	-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 1962																								
January	+25	+23	+26	+38	+24	+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	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	2666	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

