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RECORD OF OBSERVATIONS AT MEANOOK MAGNETIC OBSERVATORY 1942-1943

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Meanook Observatory

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MEANOOK MAGNETIC OBSERVATORY

Geographic Latitude 54° 37′ N

Geographic Longitude 113° 20′ W

Officer-in-Charge: H. E. Cook

Geomagnetic Latitude 61.8° N

Geomagnetic Longitude 301.0° E

Assistant: Anne B. Cook

1942-1943

Introduction

Meanook Magnetic Observatory has been in continuous operation since July 1916. It appears opportune to review briefly what has happened in the earth's magnetic field permeating Meanook since 1918 when the first set of values of all magnetic elements for a complete year became available.

During the 25-year interval, 1918-1943, values of all elements decreased except for the north component of horizontal intensity, resulting in decrements in total intensity of 1240γ, vertical intensity 1223γ, horizontal intensity 214γ, declination 2° 14.9′, inclination 2.7′, east component of horizontal intensity 546γ and in its north component an increment of 36γ.

Between 1918 and 1932 mean annual rates of change in gammas were −68 for F, −66 for Z, −14 for H, −3 for X and −24 for Y. In the 1932 to 1939 interval the rates became −35 for F, −34 for Z, −4 for H, +5 for X and −19 for Y. From 1939 to 1943 the rates were −12 for F, −14 for Z, +4 for H, +14 for X and −17 for Y. East declination has maintained a fairly steady annual decrease of 5.4′ throughout the 25-year interval. Inclination decreased between 1918 and 1924 at an average rate of 0.2′ per year then increased to 1930 at a rate of 0.5′ and since then decreased at a rate of 0.3′ per year.

Instruments

The same absolute instruments continued in use, namely, Elliott magnetometer No. 98 for declination and horizontal intensity and earth inductor MS 1 for inclination.

The corrections adopted for use in reducing observations to International Magnetic Standard are as follows:

for D, I.M.S. = Elliott 98 + 0.04′

for H, I.M.S. = Elliott 98 + 0.00039H

for I, I.M.S. = M.S. 1 − 0.85′

Variometers in operation were: a la Cour set of normal speed and sensitivity; a la Cour set of normal speed and low sensitivity; and a Kew-type set of two variometers, D and H.

Scale values for the la Cour standard set were, D = 0.967′/mm; H = 7.79γ/mm; and Z = 10.79γ/mm. For the low sensitivity la Cour set the values were, D = 2.3′/mm; H = 22.2γ/mm; and Z = 16.2γ/mm. Scale values for the Kew-type set were, D = 1.30′/mm; and H = 9.22γ/mm.

The root mean square values of the observed minus adopted photographic base-line values were for D, ± 0.5′; for H, ± 5γ; and for Z, ± 20γ.

Magnetic Reductions

The mean hourly, daily, and monthly values of horizontal intensity, declination, and vertical intensity together with daily extreme and range values of these elements and their diurnal inequalities are given in Tables 1 to 57 of each year.

The tables of daily extremes supply information pertinent to the magnetic character of the days, months, and year. The ranges in extreme values recorded in 1942 were: for H, 2120γ; for D, 6° 24.2′; and for Z, 1857γ. In 1943 the ranges for the year were: for H, 2474γ; for D, 6° 18.5′; and for Z, 1536γ. The ranges of 6° 24.2′ and 6° 18.5′ are equivalent to ranges of 1418γ and 1397γ, respectively, in the component of intensity perpendicular to the magnetic meridian. Using the mean daily ranges for each year as criteria of magnetic activity, it is noted that 1942 compares favourably with 1937 and 1943 with 1930. The activity in 1943 was greater than in any year following 1930.

The monthly and yearly mean values of H, D, Z, X, Y, and F for 1942 and 1943 which follow are based on mean hourly values for H, D, and Z. Values of X, Y, I, and F are computed from H, D, and Z. The computed year means of I were 0.4′ greater than the mean values of absolute observations uniformly distributed but not corrected for daily variation.

A list of mean annual values from 1917 to 1943, inclusive, completes this section of the 1942-1943 record.

K-indices and character figures have been supplied regularly to the Association of Terrestrial Magnetism and Electricity of the International Union of Geodesy and geophysics for inclusion in their "Geomagnetic Indices C and K" bulletins.

MEAN VALUES FOR MONTHS AND YEAR, MEANOOK

Month	D East	H	Z	X	Y East	I North	F
1942	° ′	γ	γ	γ	γ	° ′	γ
January	25 34.7	12741	59228	11492	5501	77 51.6	60583
February	35.1	729	216	481	5497	52.1	569
March	35.2	714	213	467	91	52.9	563
April	35.0	715	210	468	91	52.8	560
May	33.1	743	213	497	96	51.3	569
June	32.9	746	188	500	97	50.8	545
July	33.4	728	166	483	91	51.6	520
August	33.7	731	155	485	93	51.3	509
September	34.0	724	155	478	91	51.7	508
October	32.8	711	154	468	82	52.4	504
November	31.8	728	174	485	86	51.7	527
December	32.0	733	183	489	88	51.5	537
Year	25 33.6	12728	59188	11483	5492	77 51.8	60541
1943							
January	25 31.4	12732	59184	11489	5486	77 51.6	60538
February	31.1	740	186	497	88	51.1	542
March	31.1	735	184	493	86	51.4	539
April	30.1	732	188	492	82	51.6	542
May	28.9	736	178	497	79	51.3	533
June	28.7	738	162	499	80	50.1	518
July	29.9	729	150	489	80	51.3	504
August	30.1	688	132	452	63	53.4	478
September	30.3	696	154	459	67	53.2	501
October	28.3	707	161	472	65	52.7	510
November	27.2	716	178	482	65	52.4	529
December	25.8	741	189	507	71	51.1	545
Year	25 29.4	12724	59170	11486	5476	77 51.8	60523

MEAN ANNUAL VALUES, MEANOOK

Year	D East	H	Z	X	Y East	I North	F
	° ′	γ	γ	γ	γ	° ′	γ
1917	27 46.1	.....	.....	.....	.....	77 55.0	.....
1918	44.3	12938	60393	11450	6022	54.5	61763
1919	41.1	944	400	463	14	54.2	770
1920	38.6	923	246	445	5996	53.6	617
1921	33.3	909	190	444	71	53.7	559
1922	28.5	904	133	449	53	53.3	502
1923	23.3	882	031	439	25	53.2	398
1924	17.7	866	59943	434	5899	53.2	308
1925	10.7	852	934	433	70	53.8	296
1926	04.2	832	844	427	40	53.8	205
1927	26 56.2	815	756	425	06	53.7	115
1928	48.5	794	737	419	5770	54.6	092
1929	42.9	781	721	417	46	55.1	062
1930	39.2	755	675	400	22	56.1	022
1931	33.2	758	587	412	03	54.9	60937
1932	27.2	738	466	405	5674	54.6	815
1933	21.9	736	413	412	56	54.0	761
1934	15.3	736	367	422	34	53.5	718
1935	08.2	732	367	430	08	53.7	716
1936	03.4	728	291	435	5591	53.0	642
1937	25 59.6	729	266	442	79	52.7	618
1938	54.8	726	252	446	62	52.7	603
1939	51.6	710	225	438	44	53.2	573
1940	45.0	719	210	456	26	52.6	561
1941	38.7	717	196	464	04	52.6	547
1942	33.6	728	188	483	5492	51.8	541
1943	29.4	724	170	486	76	51.8	523

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook $H = 12,000\ \gamma +$ January 1942

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 Q	772	774	773	773	774	770	767	765	764	767	767	764	764	766	763	763	760	754	756	758	757	758	757	758	764
2	753	754	754	752	746	752	746	760	749	738	749	753	751	697	744	715	730	767	757	721	714	720	722	749	741
3 D	751	773	759	749	735	744	710	757	696	691	661	718	756	744	682	660	743	745	737	729	726	729	731	745	728
4 D	755	765	769	808	897	785	752	747	741	736	719	687	712	744	648	712	733	748	727	711	719	698	731	745	741
5 D	748	767	751	782	765	741	733	750	664	573	479	684	745	758	754	723	730	723	719	738	727	734	730	729	719
6	748	750	750	746	741	748	759	740	705	720	645	719	743	747	744	736	736	737	722	737	736	735	721	722	733
7	734	752	753	746	753	766	756	749	738	728	678	681	681	757	753	752	752	750	740	730	734	736	734	743	737
8	745	748	752	752	749	745	745	746	745	745	746	747	748	748	747	752	754	746	737	732	731	731	738	757	745
9	758	758	757	753	751	754	752	748	747	747	747	747	749	749	751	751	746	749	747	747	746	739	745	746	749
10	747	755	757	756	752	748	755	748	747	746	740	737	737	751	736	756	755	747	748	741	738	735	741	748	747
11	750	738	752	755	755	748	752	748	724	752	750	742	710	752	763	764	758	753	745	743	734	735	745	755	747
12	756	751	749	749	749	750	752	755	726	730	722	756	760	757	756	761	756	743	735	730	719	728	742	747	745
13	752	752	753	750	751	749	742	737	735	748	748	741	726	752	759	760	751	742	739	737	739	735	740	750	745
14	757	765	765	761	757	752	750	750	750	753	755	758	758	758	758	760	756	754	752	752	750	746	743	744	754
15	751	758	758	757	757	758	770	750	745	750	745	732	726	726	739	768	761	759	752	744	741	741	745	750	749
16	750	754	750	749	751	753	750	749	745	743	691	665	681	734	749	756	749	741	740	728	719	740	752	747	737
17 D	745	736	750	753	750	744	743	673	374	189	329	698	763	743	750	747	754	754	748	749	750	750	759	763	688
18 D	760	763	781	778	752	752	742	723	707	698	711	749	740	738	748	759	753	753	752	747	743	740	724	745	744
19	768	762	757	748	769	753	754	702	695	669	663	709	733	741	743	745	741	740	733	731	730	734	740	736	733
20	736	742	755	749	747	741	740	740	741	740	733	725	740	744	748	748	741	735	732	730	732	731	737	744	740
21 Q	745	746	746	747	746	747	746	748	740	745	745	745	745	754	753	752	744	733	723	726	726	727	739	747	742
22	748	749	749	742	741	750	751	746	749	748	752	743	740	695	718	749	751	736	719	716	719	726	737	741	738
23	742	741	740	738	747	752	745	740	727	717	724	735	742	753	752	757	756	739	729	723	725	731	740	747	739
24 Q	748	748	749	748	746	746	748	749	747	749	730	756	755	757	759	758	752	742	737	733	733	734	736	742	746
25	744	750	753	756	755	753	752	752	752	749	743	714	756	754	756	755	751	738	732	723	730	734	739	739	745
26 Q	745	755	756	756	757	756	750	746	741	742	740	745	743	746	747	750	751	745	741	737	731	733	741	743	746
27	745	748	746	746	744	742	742	741	739	736	748	755	749	749	751	742	741	745	745	743	735	736	734	737	743
28	742	754	757	767	752	761	788	766	747	743	709	745	740	710	728	748	739	742	738	733	723	731	737	742	743
29	750	750	751	752	752	752	749	749	749	747	747	747	743	747	748	744	737	735	737	735	733	743	747	749	746
30	745	749	749	750	750	754	754	749	745	735	752	753	748	750	752	749	753	756	746	741	737	740	753	754	748
31 Q	756	756	755	753	749	747	746	748	749	746	741	748	756	756	756	756	752	745	742	739	737	737	740	747	748
Mean	750	754	755	756	756	752	750	744	723	714	707	732	740	744	744	747	748	745	739	735	733	734	739	746	741

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook D = 25° E + ...′ January 1942

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 Q	34.2	34.2	34.7	35.3	35.8	34.5	34.3	33.8	32.9	33.2	34.3	34.7	34.9	33.9	35.1	36.5	37.8	38.3	34.9	33.9	32.9	32.8	33.3	33.6	34.6
2	34.0	34.1	34.7	35.4	35.5	34.5	34.7	37.9	35.2	36.4	35.8	35.0	35.7	34.3	39.6	39.0	42.4	40.2	35.5	34.7	27.4	26.9	23.9	26.6	34.6
3 D	29.8	32.6	34.3	35.7	34.6	32.6	41.4	34.7	32.0	41.3	45.2	40.7	39.5	39.4	36.6	39.3	36.9	34.1	30.8	29.0	28.4	28.2	31.9	31.8	35.0
4 D	31.6	29.7	32.1	29.1	40.2	34.8	33.7	34.4	34.2	34.9	36.0	38.3	35.9	38.0	37.3	26.3	30.0	31.7	32.4	28.8	27.1	30.7	22.9	27.6	32.4
5 D	32.2	33.0	35.6	62.1	36.0	34.9	37.6	38.7	27.4	42.3	59.8	35.5	37.1	35.9	35.7	34.8	32.6	31.6	34.7	32.8	32.9	32.9	32.8	35.0	36.8
6	35.8	34.9	35.0	36.1	38.9	38.8	38.3	34.9	33.5	34.8	32.3	30.6	33.5	34.4	34.6	34.6	34.8	33.2	36.4	35.0	33.0	32.0	31.3	34.5	34.6
7	34.2	34.0	34.5	36.5	39.5	47.9	34.7	34.8	34.7	34.6	35.1	35.5	30.1	34.2	34.9	36.6	36.1	35.8	35.0	34.8	34.3	32.8	32.4	32.7	35.2
8	33.3	34.3	34.9	34.8	35.2	35.1	36.5	35.7	34.4	34.1	34.4	34.1	34.3	33.9	33.9	35.9	37.9	38.7	38.2	35.7	33.6	32.5	32.5	31.6	34.8
9	31.6	32.5	33.9	34.0	35.6	34.8	34.7	34.8	34.1	34.6	34.9	35.0	35.1	34.7	35.1	36.2	37.5	37.0	36.6	35.8	33.3	32.4	31.9	31.6	34.5
10	30.5	31.7	32.9	34.5	34.7	35.7	36.7	36.7	35.8	34.9	34.1	32.2	33.1	31.9	27.6	32.0	34.1	31.2	34.0	34.3	33.6	31.6	31.4	32.9	33.2
11	33.6	36.9	35.7	34.8	35.3	36.0	33.4	38.4	29.8	36.6	36.3	35.5	23.4	32.1	34.8	36.3	35.7	34.3	33.3	33.1	32.0	31.1	31.3	32.5	33.8
12	33.7	34.0	34.7	35.9	34.9	34.5	36.0	36.6	27.4	32.9	34.9	36.7	34.0	33.4	34.2	35.8	37.6	36.6	37.7	34.1	31.7	29.2	29.8	31.6	34.1
13	33.1	33.7	34.1	34.8	35.5	34.9	34.1	35.1	37.0	34.0	34.8	34.7	30.2	33.7	36.7	37.0	38.1	38.7	36.8	34.6	32.1	32.0	32.6	32.8	34.6
14	33.0	33.4	34.4	34.9	34.0	34.0	33.9	34.2	34.9	34.7	34.3	34.5	33.7	34.1	34.5	35.0	36.6	36.5	35.7	34.3	32.9	32.6	30.9	31.1	34.1
15	33.2	32.4	33.0	34.3	34.5	34.4	38.5	32.4	33.4	40.3	42.3	43.2	40.8	39.5	38.1	36.8	33.0	33.9	34.8	33.6	31.5	30.9	32.0	32.3	35.4
16	32.5	33.1	31.8	34.3	34.2	33.3	33.7	33.6	34.5	37.8	38.5	50.7	52.8	47.6	44.2	40.0	32.6	26.3	25.0	26.1	18.6	24.3	32.2	31.2	34.5
17 D	33.2	35.5	34.6	36.8	34.2	35.7	43.7	35.5	58.5	31.1	61.3	52.9	42.4	40.5	39.2	36.5	34.6	35.8	34.9	33.5	31.3	31.2	32.9	33.3	38.3
18 D	36.0	35.2	37.9	34.3	34.0	33.3	33.3	33.1	36.0	35.2	30.6	35.2	37.7	33.1	33.1	35.7	37.7	37.2	35.0	32.3	31.4	30.9	30.6	30.4	34.1
19	33.8	36.5	46.7	35.8	39.8	57.8	38.7	32.0	31.6	37.5	31.8	30.3	32.9	35.4	35.0	36.1	37.2	36.0	35.2	33.3	32.3	32.3	32.4	33.1	36.0
20	34.9	37.0	35.7	35.5	34.7	34.0	34.4	34.1	34.7	34.0	34.1	30.8	33.2	35.9	36.2	36.2	35.7	34.7	32.9	31.8	30.0	31.5	32.8	33.8	34.1
21 Q	34.0	34.1	34.6	34.7	34.6	34.2	34.1	35.2	31.2	32.9	34.3	34.9	33.8	34.8	36.4	37.2	38.0	38.3	33.9	30.4	29.4	30.2	31.6	33.1	34.0
22	33.9	34.2	34.4	35.8	36.6	38.6	34.9	34.4	35.3	35.8	36.7	32.5	35.8	29.8	34.9	35.9	37.7	32.1	26.9	22.6	22.1	23.6	25.8	28.5	32.4
23	29.6	31.2	35.1	36.8	42.2	42.0	39.0	34.6	36.7	33.0	37.3	38.3	37.9	37.6	37.7	38.5	41.6	39.9	37.9	35.2	33.0	32.7	33.1	33.2	36.4
24 Q	34.1	34.5	35.0	35.5	35.4	35.1	34.7	34.5	34.7	34.8	32.4	37.2	34.1	34.7	36.7	38.3	39.5	38.6	36.7	34.8	32.1	30.6	31.0	31.3	34.8
25	31.9	33.0	34.1	34.9	35.1	35.2	34.9	34.8	34.2	34.5	36.0	36.1	35.2	35.8	37.7	37.9	39.8	39.1	37.5	34.9	30.8	29.5	31.6	33.1	34.9
26 Q	32.5	31.8	32.1	32.1	32.0	31.5	34.8	34.7	34.1	34.7	36.0	35.3	35.9	34.5	36.3	37.7	38.1	37.1	36.2	35.1	33.1	32.2	33.0	32.9	34.3
27	33.6	34.3	34.9	34.9	35.1	34.6	34.6	34.5	35.8	40.4	37.3	35.9	35.4	35.7	35.9	37.1	38.6	35.1	34.2	33.8	31.5	29.9	30.7	30.5	34.8
28	30.0	32.1	28.1	35.1	33.3	34.7	50.2	35.1	35.8	38.6	42.3	45.7	42.2	35.5	38.3	38.8	36.3	35.7	35.2	34.5	32.1	30.0	31.1	32.8	36.0
29	32.7	32.9	34.1	34.6	34.6	34.6	34.4	33.9	33.6	33.9	34.1	34.4	34.6	35.1	36.3	38.5	39.5	36.6	34.4	31.7	27.6	25.2	27.4	28.3	33.5
30	30.6	32.1	31.9	35.1	36.9	33.8	36.8	34.8	34.8	37.6	39.4	39.0	38.7	38.0	39.8	39.4	41.1	35.0	33.7	32.9	31.5	30.2	29.3	30.4	35.1
31 Q	32.4	33.2	34.0	35.0	35.2	35.0	34.5	34.1	34.8	35.5	34.9	37.3	35.1	35.0	35.5	37.1	38.6	37.0	35.1	33.9	32.8	32.4	32.9	33.6	34.8
Mean	32.9	33.6	34.5	35.8	35.8	36.2	36.3	34.9	34.6	35.7	37.5	36.9	35.8	35.6	36.2	36.6	37.0	35.7	34.6	33.0	30.8	30.5	31.0	31.9	34.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Meanook $Z = 59,000\ \gamma +$ January 1942

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 Q	230	230	231	232	232	232	236	232	212	219	225	223	221	223	224	224	223	221	221	221	221	223	224	224	225
2	224	224	224	225	229	228	226	213	199	204	222	224	218	181	169	152	150	168	197	210	224	234	237	238	209
3 D	228	232	234	230	229	247	182	208	216	184	186	179	216	241	204	148	173	198	211	220	225	232	242	248	213
4 D	255	259	270	317	326	292	249	246	235	233	219	154	158	170	140	186	180	207	217	220	230	234	307	270	232
5 D	259	272	282	293	262	251	247	184	119	079	065	178	225	229	227	222	222	225	249	280	250	249	257	247	224
6	250	245	247	252	259	264	260	239	183	198	162	212	218	228	230	228	225	226	236	248	247	244	249	259	234
7	260	253	253	253	257	235	241	240	232	218	150	132	146	214	231	235	236	234	238	240	243	240	238	240	227
8	240	241	241	240	240	239	239	238	236	236	236	235	233	233	230	235	238	238	238	240	241	241	241	241	238
9	241	240	241	245	243	240	236	235	234	233	231	231	231	231	233	233	233	233	231	233	233	234	236	236	235
10	248	253	252	253	258	271	268	250	249	241	221	212	191	221	223	228	236	236	238	244	249	252	255	254	242
11	255	262	262	259	251	251	210	208	171	218	230	223	169	199	233	240	237	241	242	242	245	253	253	253	234
12	252	251	251	251	251	251	250	245	193	165	175	202	233	238	241	239	239	240	245	248	250	254	254	255	236
13	253	252	250	246	246	245	246	238	218	237	239	231	203	219	234	239	240	241	249	251	252	252	251	251	241
14	250	247	247	247	246	245	245	245	246	243	240	235	236	239	241	242	241	241	241	240	239	240	242	247	243
15	246	248	248	248	249	250	266	254	242	245	222	191	178	176	186	190	214	231	237	241	244	244	244	245	231
16	249	252	259	259	258	256	257	260	258	256	181	129	139	169	195	183	192	205	215	232	228	237	248	259	224
17 D	259	276	268	271	258	260	244	108	019	-027	095	200	230	234	237	237	235	241	244	243	243	243	242	240	213
18 D	240	242	291	288	248	240	235	226	144	192	205	226	213	212	227	237	240	240	238	235	238	256	285	285	237
19	313	295	274	246	257	236	221	194	163	158	157	205	214	226	229	231	234	235	236	236	235	235	234	233	229
20	237	247	237	228	228	227	228	229	227	224	218	198	220	223	227	227	228	231	235	234	236	236	235	232	229
21 Q	231	230	228	227	224	223	223	221	218	221	224	222	222	227	226	226	227	228	229	227	227	227	227	227	226
22	227	227	228	231	249	252	237	227	214	202	217	219	192	120	110	145	169	184	196	205	216	220	230	233	206
23	246	253	253	249	250	208	231	215	203	184	196	208	218	228	227	220	215	218	223	225	227	228	228	227	224
24 Q	225	225	225	225	224	223	221	221	224	221	193	198	222	223	228	228	225	224	224	224	222	222	222	224	221
25	225	227	228	228	225	222	220	220	220	220	216	144	195	216	223	227	227	226	227	227	227	227	228	229	220
26 Q	233	242	242	248	252	266	248	237	227	222	218	223	229	234	231	230	229	228	229	229	228	229	228	228	234
27	228	229	228	228	228	227	225	222	215	164	212	223	221	222	223	221	217	218	221	220	217	218	224	228	220
28	231	237	255	310	254	258	234	223	231	219	155	200	206	191	191	217	224	225	223	224	228	231	230	229	226
29	224	226	226	226	226	228	229	228	226	224	224	224	221	221	226	226	220	212	210	213	218	220	229	234	223
30	244	258	267	266	255	259	258	246	240	222	229	231	223	222	222	221	215	218	223	227	222	223	228	227	235
31 Q	227	227	227	227	228	227	228	227	225	224	208	200	221	223	222	222	221	221	222	223	223	223	223	222	222
Mean	243	245	247	250	246	244	237	225	208	202	199	204	208	214	216	217	220	224	228	232	233	236	241	241	228

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook — January 1942

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	04	30	776	08	26	727	49	17	12	44.1	08	40	29.5	14.6	06	34	243	08	37	194	49
2	16	51	796	13	32	672	124	16	51	49.8	22	06	21.7	28.1	21	57	249	14	13	120	129
3 D	07	23	828	14	51	565	263	06	24	55.7	11	07	22.8	32.9	07	22	279	15	22	116	163
4 D	04	21	1055	14	40	394	661	04	30	59.3	15	02	17.5	41.8	04	20	440	14	41	23	417
5 D	07	27	853	10	34	333	520	03	30	78.1	07	52	15.7	62.4	03	21	350	10	06	25	325
6	06	22	783	10	41	555	228	18	45	45.6	10	38	27.5	18.1	05	33	277	10	38	109	168
7	05	24	800	12	23	623	177	04	17	72.8	12	08	25.2	47.6	05	14	284	11	16	112	172
8	23	10	790	20	01	728	62	18	03	39.2	23	13	29.0	10.2	23	13	258	14	06	228	30
9	19	51	764	19	47	725	39	19	50	40.6	23	02	30.0	10.6	03	50	250	16	43	229	21
10	16	18	773	12	23	709	64	06	53	41.3	14	19	24.2	17.1	06	07	278	12	24	158	120
11	06	17	776	08	16	665	111	07	07	45.4	12	37	16.5	28.9	01	43	266	08	18	84	182
12	07	06	771	10	19	693	78	07	03	42.4	08	46	21.9	20.5	22	58	262	09	40	144	118
13	15	35	774	08	14	705	69	16	43	41.6	12	32	28.8	12.8	20	00	255	12	58	187	68
14	01	18	768	22	59	732	36	17	24	37.6	23	04	27.8	09.8	23	26	254	11	48	232	22
15	06	18	796	14	31	709	87	06	18	48.9	08	52	24.6	24.3	06	28	286	13	26	163	123
16	08	12	763	12	08	618	145	12	30	59.7	20	48	16.2	43.5	08	50	270	12	08	93	177
17 D	11	43	791	09	35	-1	792	10	59	82.0	08	30	-15.1	97.1	09	13	367	09	48	-294	661
18 D	02	48	853	08	07	591	262	08	20	43.2	08	11	25.6	17.6	02	51	341	08	16	30	311
19	04	42	839	10	05	585	254	04	10	86.9	07	37	21.6	65.3	01	00	367	07	39	98	269
20	01	15	759	11	02	694	65	01	38	39.5	11	05	23.4	16.1	01	15	251	11	16	184	67
21 Q	13	08	756	18	18	719	37	17	24	40.0	08	44	21.8	18.2	00	28	232	08	49	192	40
22	15	56	780	14	02	668	112	15	52	42.5	13	41	19.0	23.5	04	48	262	14	00	43	219
23	04	56	770	07	40	703	67	04	56	64.1	07	34	28.1	36.0	04	50	271	09	53	164	107
24 Q	11	40	764	10	41	714	50	17	00	40.1	10	32	28.4	11.7	14	10	230	10	50	154	76
25	12	08	770	11	26	686	84	16	51	42.5	20	46	28.4	14.1	22	36	235	11	27	116	119
26 Q	05	00	769	20	26	731	38	16	04	40.2	05	06	24.7	15.5	05	42	280	10	08	211	69
27	11	08	756	09	12	717	39	09	04	45.1	21	38	29.3	15.8	23	58	230	09	12	119	111
28	06	30	835	13	51	668	167	06	33	70.9	03	02	20.4	50.5	03	15	376	10	25	119	257
29	00	44	754	20	23	728	26	16	20	41.2	21	06	24.7	16.5	23	50	236	18	12	208	28
30	05	44	771	09	12	700	71	16	14	44.4	02	13	26.4	18.0	05	58	276	10	50	205	71
31 Q	11	43	763	10	52	718	45	12	25	40.0	10	53	31.1	08.9	05	10	229	11	06	171	58
Mean			793			638	155			50.5			23.1	27.4			280			127	153
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 5 Meanook $H = 12,000\ \gamma +$ February 1942

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	754	755	755	752	748	747	746	747	748	750	752	756	757	756	763	763	756	757	750	743	737	737	742	749	751
2	749	751	749	747	742	745	772	706	626	456	601	740	741	733	696	702	716	732	734	732	730	732	734	731	712
3	737	741	738	740	739	743	734	737	735	738	745	745	738	736	738	742	742	736	730	728	726	728	729	736	737
4	743	744	744	744	743	741	741	751	734	746	744	744	741	741	744	750	749	741	736	734	734	733	739	741	742
5 D	748	750	752	751	751	804	749	713	736	684	312	389	497	681	729	701	710	724	708	740	741	733	736	742	691
6 D	745	746	748	791	777	739	732	759	745	636	533	037	585	697	732	654	522	622	629	693	723	727	736	735	668
7	749	738	740	742	739	731	736	721	708	705	572	698	740	737	740	738	730	732	732	731	730	731	734	734	724
8 Q	735	737	736	737	736	736	739	740	739	740	738	730	745	746	742	740	733	732	731	731	736	740	746	737	738
9 Q	739	740	740	740	740	740	740	738	730	709	742	738	731	745	748	743	739	732	730	731	733	737	744	743	737
10	746	746	746	745	743	741	742	750	747	748	744	743	730	698	743	747	732	720	719	708	725	729	732	724	735
11	729	736	744	740	742	742	743	740	737	736	739	732	712	727	740	738	725	702	703	710	728	720	709	737	730
12 Q	740	748	741	741	744	741	739	737	738	740	744	744	742	743	742	741	735	734	736	737	739	741	741	743	740
13	741	740	729	733	746	747	745	740	743	745	745	744	745	743	743	741	740	741	747	750	754	753	748	744	744
14	742	742	742	743	741	741	744	748	746	736	734	747	754	756	744	726	734	733	731	738	740	748	741	733	741
15	732	744	740	733	748	715	772	764	737	744	736	685	659	736	749	742	730	717	678	701	740	744	747	743	731
16	739	738	744	741	738	756	759	704	729	734	717	768	759	748	736	733	743	740	736	736	742	742	731	741	740
17	743	742	722	767	774	761	753	739	732	715	674	739	746	743	739	733	728	728	729	731	732	736	737	738	737
18 Q	736	739	735	737	730	731	739	736	732	742	740	739	739	742	741	735	729	725	724	728	732	735	739	739	735
19 Q	740	742	743	743	743	743	742	743	746	747	749	751	754	751	747	740	732	724	724	731	739	740	741	741	742
20	744	747	747	744	742	746	748	744	730	732	748	738	746	748	745	738	728	717	718	722	730	737	739	740	738
21	729	746	753	784	869	842	754	737	729	747	739	737	733	735	736	729	722	715	715	724	723	723	725	729	745
22	732	737	736	736	734	755	748	747	739	722	747	745	736	747	749	745	733	730	719	723	719	724	729	737	736
23 D	742	726	761	794	779	761	759	761	739	733	738	737	732	650	285	227	461	613	577	650	666	748	782	756	674
24 D	766	841	772	773	767	810	802	722	646	566	732	722	738	740	725	715	716	712	722	729	746	752	725	731	736
25	727	731	739	733	731	738	732	728	731	714	703	727	730	731	722	718	711	721	721	718	714	735	739	730	726
26	730	738	750	739	735	741	721	738	731	731	729	733	735	739	737	735	727	725	724	722	721	728	732	732	732
27	730	731	739	738	738	739	739	736	735	718	723	741	741	737	737	731	723	713	697	707	727	728	739	743	730
28 D	754	741	742	749	763	764	753	755	740	722	684	722	760	714	507	467	576	666	725	727	730	737	732	734	707
29																									
30																									
31																									
Mean	741	745	744	748	751	751	747	739	729	712	700	699	724	732	714	704	708	717	715	723	730	736	737	738	729

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook D = 25° E + ... ′ February 1942

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	34.3	34.6	34.9	35.1	35.0	34.9	34.4	34.0	33.7	33.4	33.3	34.0	34.0	33.1	35.4	37.9	37.1	35.0	33.6	34.1	32.4	32.4	32.2	31.8	34.2
2	33.9	33.5	33.3	34.0	35.2	35.3	47.8	35.2	37.4	53.1	41.2	38.7	37.0	37.7	35.2	36.8	32.5	33.1	35.0	35.6	34.6	34.4	34.8	34.5	36.7
3	34.7	35.0	36.5	38.3	37.6	39.9	33.3	35.9	32.6	34.4	34.6	35.8	34.6	33.4	34.6	38.7	39.0	38.3	37.3	36.1	34.1	33.7	33.9	33.7	35.7
4	34.2	34.8	34.9	35.2	35.1	34.9	34.6	35.1	31.5	34.7	35.8	35.0	33.3	33.7	36.9	38.3	39.2	37.2	37.0	35.9	34.6	34.1	33.2	31.4	35.0
5 D	31.5	33.3	34.4	34.0	34.6	41.8	43.8	41.8	40.9	38.8	44.5	71.0	62.8	55.6	41.7	35.0	30.3	31.4	30.1	29.9	31.1	32.5	35.2	35.4	39.2
6 D	35.7	34.3	35.2	55.4	34.3	32.2	33.3	37.9	35.4	35.0	58.2	13.0	39.8	49.0	39.4	38.2	21.7	11.1	21.5	17.4	26.9	29.9	29.9	33.6	33.3
7	35.6	36.0	40.7	35.5	36.4	40.0	41.2	33.0	32.0	33.2	33.1	32.0	36.3	37.2	36.0	36.2	35.1	35.0	34.5	34.0	33.2	32.6	33.4	34.1	35.3
8 Q	34.4	34.6	35.2	35.4	35.1	34.6	36.2	35.9	35.0	35.0	35.0	31.5	36.1	36.3	36.6	38.0	37.2	36.5	35.7	34.5	32.9	31.5	31.5	33.1	34.9
9 Q	33.8	34.2	34.7	35.0	35.0	35.1	35.0	35.0	40.8	39.2	39.9	39.7	38.0	39.4	39.2	37.5	37.1	37.0	36.3	34.4	33.3	33.3	32.6	33.2	36.2
10	32.8	33.4	34.3	35.1	35.0	34.5	34.9	35.4	32.2	36.2	38.5	39.4	38.9	30.0	35.0	38.9	40.2	38.2	37.3	32.4	30.8	29.6	30.7	31.5	34.8
11	30.4	31.2	32.4	33.7	34.5	35.0	40.2	34.4	34.4	35.8	38.9	42.3	40.2	40.1	37.8	36.7	32.6	29.6	27.7	24.4	27.6	30.5	27.8	31.0	33.7
12 Q	32.4	31.7	34.0	35.1	35.3	34.7	34.1	34.6	34.4	35.4	36.4	36.2	36.5	36.5	36.7	37.1	37.3	36.5	35.6	36.2	35.3	35.1	34.5	33.8	35.2
13	33.3	33.4	39.0	39.1	33.1	33.0	32.8	34.5	35.0	34.6	35.0	35.3	36.1	36.1	35.4	34.6	34.4	33.7	32.4	31.3	32.2	33.7	35.3	35.3	34.5
14	34.2	33.6	33.9	34.2	34.2	34.2	33.6	33.4	35.1	33.8	41.0	39.8	41.9	41.1	38.5	31.4	32.3	33.0	31.9	30.8	29.7	31.1	31.5	33.2	34.5
15	32.7	32.3	33.2	33.6	35.0	21.3	45.8	31.2	35.0	30.8	36.0	40.0	45.9	45.6	40.7	38.0	35.3	33.6	25.7	19.7	28.2	31.4	34.4	36.4	34.2
16	35.7	35.4	35.2	34.2	36.6	45.0	33.0	27.6	33.1	35.8	39.2	38.3	40.3	40.0	38.4	34.1	35.2	33.5	32.1	31.5	32.7	33.3	34.5	34.6	35.4
17	34.5	34.4	33.1	45.5	33.6	35.3	35.2	33.3	34.1	35.1	35.2	38.2	40.1	38.0	37.2	36.6	36.2	34.6	33.8	33.1	33.1	33.6	34.4	34.6	35.5
18 Q	34.6	34.8	35.3	35.0	37.5	39.3	32.6	32.9	33.7	34.5	35.3	36.5	37.4	37.3	37.5	36.8	35.3	34.0	33.4	33.4	33.6	34.4	35.1	34.9	35.2
19 Q	33.9	33.6	33.9	34.2	34.4	34.3	34.0	34.0	34.4	34.8	35.4	36.3	37.3	37.8	38.1	38.3	39.2	36.4	34.6	32.5	31.8	32.3	33.2	33.6	34.9
20	33.4	33.4	33.5	33.4	43.8	37.3	37.1	32.5	31.8	36.9	38.1	41.1	46.1	44.0	43.1	42.9	39.6	36.4	32.9	33.2	32.8	32.1	32.1	30.5	36.6
21	30.5	32.9	29.2	26.8	26.3	31.3	34.1	36.6	34.2	35.8	34.4	36.2	37.0	37.3	38.6	38.8	39.7	38.4	35.3	33.4	32.3	33.1	32.7	31.8	34.0
22	33.1	34.4	31.5	34.1	33.3	33.4	35.2	32.1	32.6	33.0	38.0	38.2	40.9	40.1	40.4	40.8	41.9	38.1	34.9	33.2	31.2	29.5	29.1	30.4	35.0
23 D	29.6	30.7	30.7	31.6	29.1	32.8	33.9	34.3	35.6	36.8	36.3	36.7	37.0	31.1	34.4	46.8	48.3	39.7	40.5	32.5	32.0	37.9	35.2	29.0	35.1
24 D	26.8	29.6	41.7	29.4	32.4	34.0	36.7	38.1	47.3	40.3	37.4	46.6	41.0	40.2	40.7	42.2	39.2	36.2	36.2	32.6	34.3	37.1	35.2	35.5	37.1
25	34.8	36.3	33.9	33.1	35.3	32.5	35.0	35.2	34.3	31.5	32.5	37.4	38.2	36.2	37.2	36.6	35.7	31.5	34.1	32.3	33.4	31.6	32.6	29.3	34.2
26	32.9	34.5	34.1	33.3	33.7	32.0	28.2	33.4	34.7	34.8	34.5	35.9	36.9	37.4	37.9	38.0	37.2	36.1	34.3	29.9	28.6	30.4	30.9	32.0	33.8
27	33.0	32.4	32.4	32.8	33.0	31.1	32.9	33.3	34.5	34.2	36.9	38.4	39.2	39.1	39.9	40.7	38.1	33.6	31.3	28.3	26.5	29.0	29.1	27.4	33.6
28 D	28.7	28.8	31.4	32.5	30.5	34.0	34.0	33.2	38.1	36.5	40.7	43.0	41.6	40.1	49.7	33.2	29.6	26.3	34.3	32.0	33.4	33.9	32.4	32.5	34.6
29																									
30																									
31																									
Mean	33.0	33.5	34.4	35.2	34.5	34.8	35.8	34.4	35.1	35.8	37.7	38.1	39.4	38.7	38.3	37.8	36.3	34.1	33.6	31.6	31.9	32.6	32.8	32.8	35.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook $Z = 59,000\ \gamma +$ February 1942

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	221	221	221	221	222	221	221	221	220	220	219	218	217	214	203	210	214	216	217	219	224	224	223	222	219
2	221	222	232	239	241	240	218	134	015	044	157	188	200	193	191	194	205	210	222	229	230	228	230	227	196
3	227	230	231	233	235	221	180	216	217	216	222	220	212	209	212	216	220	220	222	224	224	225	224	222	220
4	222	221	221	221	221	221	222	214	194	204	214	216	214	211	208	214	216	214	215	217	217	218	221	221	216
5 D	220	219	218	221	237	246	227	187	202	167	116	-072	013	030	141	190	191	205	228	244	228	224	224	224	180
6 D	227	236	276	313	290	227	224	227	149	104	039	-046	008	101	205	143	108	121	187	218	248	259	280	268	184
7	252	257	274	254	243	236	205	182	188	187	114	175	216	215	222	223	221	219	221	220	219	223	226	227	217
8 Q	224	223	223	223	223	223	224	222	221	218	217	200	203	219	218	221	220	220	221	221	221	221	223	223	220
9 Q	222	221	221	221	221	221	221	221	218	179	186	214	205	207	217	217	221	218	218	220	224	227	226	221	216
10	221	220	220	220	221	222	229	222	210	219	218	211	191	177	192	209	211	222	229	226	224	223	228	233	217
11	240	245	245	231	231	234	237	239	234	231	229	207	164	182	205	207	201	191	193	194	223	228	224	233	219
12 Q	224	243	237	232	230	224	223	222	210	210	219	218	217	217	218	219	220	221	221	221	220	219	219	218	222
13	218	218	222	228	220	218	218	221	220	220	220	219	210	205	204	205	205	210	218	218	218	217	217	215	216
14	216	215	215	216	216	216	220	221	216	191	167	188	203	205	204	190	190	199	207	214	217	218	220	226	208
15	247	259	260	253	253	162	230	234	210	220	223	200	102	175	207	213	214	214	210	219	232	231	231	231	218
16	227	227	223	222	231	217	216	164	131	184	215	248	231	216	203	205	203	209	216	221	223	226	227	226	213
17	224	226	233	256	279	276	242	227	214	194	145	194	214	211	216	215	216	217	218	219	222	222	221	221	222
18 Q	219	222	222	223	229	243	239	229	223	223	224	223	222	221	218	216	216	216	218	222	227	227	226	221	224
19 Q	220	220	220	220	219	219	220	220	219	218	216	216	216	215	215	215	215	214	214	216	220	222	221	218	218
20	217	216	216	221	231	220	216	223	192	174	205	207	204	221	209	205	204	208	216	217	219	219	220	220	212
21	229	232	255	288	322	288	248	232	142	230	232	224	221	220	224	227	232	232	231	230	229	230	229	229	236
22	241	241	244	247	265	281	257	247	224	183	205	216	205	214	216	210	214	215	208	211	216	224	231	236	227
23 D	257	255	253	302	311	273	258	253	228	205	217	220	214	093	-050	115	-028	116	183	207	245	296	303	270	208
24 D	265	332	308	304	285	309	256	092	-131	037	205	194	216	222	222	219	221	218	218	216	221	233	232	239	214
25	252	265	281	268	248	249	244	230	210	195	183	216	218	222	223	221	221	226	231	231	239	248	247	260	234
26	263	235	234	234	247	268	222	237	229	224	214	206	212	216	220	222	222	217	216	217	220	226	231	241	228
27	239	233	233	234	240	243	237	230	228	205	183	205	205	210	214	218	211	202	200	207	229	241	237	244	222
28 D	279	257	256	266	287	289	271	194	188	205	176	202	227	178	138	117	131	158	237	252	263	270	267	255	223
29																									
30																									
31																									
Mean	233	236	239	243	246	240	230	213	186	190	192	190	192	194	197	202	198	205	216	220	226	231	232	232	216

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Meanook — February 1942

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	15	10	774	19	31	728	46	15	13	41.2	23	09	29.5	11.7	23	09	228	14	48	193	35
2	06	41	804	09	08	308	496	09	20	64.4	16	42	26.1	38.3	06	03	259	08	59	-95	354
3	05	46	765	06	20	702	63	05	45	49.9	06	19	21.8	28.1	08	23	240	06	19	139	101
4	07	25	771	19	47	716	55	16	47	41.5	08	38	22.1	19.4	19	54	227	08	44	156	71
5 D	05	27	863	10	53	70	793	11	35	115.2	10	38	13.8	101.4	05	59	289	11	45	-186	475
6 D	03	13	849	11	11	-166	1015	10	55	80.0	11	29	-07.8	87.8	03	04	370	11	56	-50	420
7	06	46	762	10	16	478	284	06	28	47.3	10	03	19.8	27.5	02	08	285	10	12	40	245
8 Q	22	16	767	11	25	715	52	15	42	38.6	11	33	27.8	10.8	22	19	233	11	50	184	49
9 Q	14	11	754	09	28	676	78	09	39	45.2	22	08	31.4	13.8	16	18	229	09	59	124	105
10	07	45	769	13	34	682	87	16	06	42.8	13	38	26.2	16.6	09	31	239	13	36	165	74
11	02	11	756	12	21	691	65	06	30	49.6	19	39	20.8	28.8	02	11	257	12	24	135	122
12 Q	01	29	755	08	42	725	30	19	37	38.1	08	38	28.0	10.1	01	45	255	08	42	181	74
13	20	06	755	02	40	719	36	03	15	43.8	19	29	30.5	13.3	03	00	232	14	07	199	33
14	10	43	765	15	48	710	55	10	35	43.8	09	35	25.4	18.4	23	59	229	09	54	121	108
15	05	07	830	12	06	567	263	06	10	66.0	05	33	-03.1	69.1	06	11	275	05	24	27	248
16	11	04	800	07	59	599	201	05	42	54.5	07	58	07.5	47.0	11	08	276	07	52	21	255
17	03	23	784	10	08	640	144	03	26	60.2	04	39	27.6	32.6	04	46	311	10	07	118	193
18 Q	06	05	752	18	38	723	29	05	21	42.6	08	00	30.3	12.3	05	36	251	15	45	214	37
19 Q	12	54	756	17	59	717	39	16	37	41.1	21	52	30.8	10.3	21	30	224	18	06	207	17
20	10	21	760	08	58	705	55	04	43	51.1	08	48	27.6	23.5	04	36	241	08	51	143	98
21	05	13	970	08	33	638	332	08	07	47.7	04	43	16.0	31.7	05	11	363	08	27	29	334
22	05	24	767	09	24	708	59	16	17	42.8	08	54	26.6	16.2	05	54	297	09	27	168	129
23 D	22	31	872	15	20	87	785	15	52	118.8	15	11	-11.2	130.0	03	33	350	14	43	-319	669
24 D	01	38	993	09	07	424	569	08	03	77.0	00	56	22.3	54.7	01	30	401	08	52	-210	611
25	23	05	760	10	11	658	102	18	04	40.8	10	09	23.7	17.1	23	52	298	10	15	157	141
26	02	26	761	06	40	680	81	15	17	39.3	06	29	22.9	16.4	05	20	279	06	31	173	106
27	23	56	753	18	56	686	77	15	34	44.9	20	24	24.6	20.3	23	59	270	10	22	169	101
28 D	07	35	806	15	22	245	561	14	43	86.5	16	49	16.4	70.1	14	57	300	15	29	36	264
29																					
30																					
31																					
Mean			796			565	231			55.5			20.6	34.9			275			80	195
No. days			28			28	28			28			28	28			28			28	28

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 9 Meanook H = 12,000 γ + March 1942

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 D	738	750	751	747	750	740	731	871	875	540	375	498	633	513	656	774	752	710	599	488	736	821	843	816	696
2 D	1048	1235	1120	905	784	778	746	707	687	683	653	615	514	517	559	658	649	668	714	741	735	727	732	738	746
3 D	772	787	792	778	778	746	711	579	310	-104	204	365	220	512	386	136	234	594	753	730	744	760	762	742	554
4	755	793	758	776	774	750	730	619	677	605	546	660	705	714	716	732	721	692	708	714	717	738	739	725	711
5 D	737	739	741	741	761	676	680	660	500	323	640	695	654	746	770	761	697	362	463	680	853	697	746	728	669
6	739	761	770	799	807	583	637	578	493	496	510	598	656	697	718	758	745	736	729	729	728	734	754	748	688
7	736	732	739	740	740	749	772	772	740	672	632	489	692	749	747	738	723	722	717	719	731	732	738	749	720
8 D	749	786	1006	939	748	800	789	722	722	684	609	693	685	724	724	694	670	647	669	726	808	743	754	768	744
9	836	1084	1116	1109	1128	947	716	710	712	669	504	547	678	710	731	704	709	679	669	675	694	719	786	746	774
10	702	737	729	734	754	708	736	730	726	724	713	581	676	750	730	712	721	713	728	718	722	729	729	743	718
11	747	742	743	756	814	810	810	759	736	722	729	723	739	738	733	731	728	721	719	722	729	734	736	739	744
12 Q	737	732	736	737	740	738	739	743	733	729	738	744	745	746	744	743	736	726	726	726	728	736	743	746	737
13	749	723	745	793	808	768	745	723	602	326	370	412	249	418	681	776	766	730	712	719	726	739	740	751	657
14	754	752	739	750	752	750	725	482	472	688	732	554	417	686	714	729	737	729	724	730	742	738	754	741	691
15	748	746	748	748	748	744	748	755	744	737	733	740	731	619	663	742	742	705	705	729	734	738	733	736	730
16 Q	736	739	742	737	737	736	733	741	733	735	736	736	741	737	736	733	722	713	703	703	708	720	729	735	730
17	744	733	733	736	743	740	740	720	712	705	712	730	747	740	735	735	731	721	708	710	720	719	720	736	728
18	730	735	738	739	740	740	736	729	714	698	624	691	745	746	726	715	661	701	720	712	709	715	719	739	718
19	740	745	747	752	764	828	773	754	753	744	740	733	702	737	727	696	666	691	686	662	695	722	766	761	733
20	881	855	837	874	902	899	736	724	740	727	720	736	743	736	734	733	726	713	701	699	701	711	720	726	761
21	737	739	741	768	768	759	557	331	362	558	630	663	705	741	747	736	712	669	687	709	726	771	752	753	680
22	761	812	778	786	832	768	795	663	728	710	518	632	721	737	732	736	739	726	715	713	726	736	734	727	730
23	731	730	737	733	735	737	736	739	738	723	728	713	700	697	694	692	688	713	708	707	715	727	726	705	719
24	717	727	735	746	741	767	785	760	736	655	685	725	746	741	720	722	727	728	718	719	721	723	718	721	728
25 Q	734	732	733	734	736	735	742	746	748	742	664	700	711	745	745	736	738	723	714	712	718	721	726	729	728
26	734	735	741	743	744	744	750	761	741	074	370	719	577	383	710	742	720	718	711	727	720	727	729	736	669
27 Q	733	739	744	741	738	743	734	735	737	737	736	738	738	733	735	734	724	714	705	712	720	718	711	727	730
28 Q	734	736	739	737	736	735	742	738	739	740	742	742	732	733	737	739	732	719	713	716	715	714	717	721	731
29	732	742	744	753	753	744	739	734	736	704	691	742	727	648	439	697	749	725	711	709	708	717	722	724	712
30	737	735	737	732	733	739	743	740	739	743	747	750	741	730	695	718	712	695	682	694	722	728	720	722	726
31	737	741	739	740	740	729	739	740	742	748	745	753	753	747	733	743	735	719	715	713	707	704	732	739	734
Mean	757	777	781	778	775	756	735	702	682	621	628	659	662	683	697	710	704	694	698	705	728	731	740	739	714

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook D = 25° E + ... ′ March 1942

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 D	35.1	34.1	32.8	32.5	32.4	30.4	29.1	11.6	-69.1	-98.2	-37.7	43.0	42.5	80.3	75.7	56.9	52.9	48.3	41.7	39.4	50.9	47.6	36.1	39.2	28.6
2 D	56.5	52.5	38.4	35.2	28.7	32.6	30.7	27.7	24.4	20.4	32.8	26.6	26.7	25.5	25.6	32.2	41.7	43.0	49.2	43.2	36.3	37.2	38.8	42.4	35.3
3 D	41.8	41.7	41.6	35.4	36.4	33.5	26.5	26.5	55.4	44.9	26.9	63.9	16.2	54.6	37.8	14.2	45.2	37.8	34.1	32.0	32.7	34.4	35.5	36.2	36.9
4	36.1	41.4	40.6	40.2	39.1	33.0	34.9	27.5	35.0	45.2	41.1	45.1	41.8	40.9	39.4	39.6	42.2	42.1	35.0	32.0	30.7	34.3	34.8	34.4	37.8
5 D	35.4	34.9	34.4	33.9	34.2	29.3	41.7	22.8	25.0	37.8	40.0	36.9	34.7	38.3	41.5	41.7	34.4	20.2	13.1	29.6	40.5	32.5	33.5	34.4	33.4
6	35.2	39.8	44.9	45.0	42.6	28.3	43.0	44.2	37.8	24.3	51.7	36.0	38.4	40.5	36.1	38.1	39.3	39.3	38.1	35.2	33.2	33.2	32.3	34.1	37.9
7	34.8	34.9	34.8	32.3	32.4	32.5	38.1	34.1	25.4	44.0	40.8	39.0	39.9	40.1	42.8	40.4	37.8	34.9	31.3	31.3	33.0	30.4	31.2	33.2	35.4
8 D	31.9	22.3	31.6	55.5	34.1	28.5	35.9	37.9	35.5	37.4	40.4	36.0	35.9	36.7	38.7	39.7	39.2	37.2	31.2	29.5	33.5	36.7	32.3	33.2	35.4
9	27.5	46.4	26.7	48.8	41.5	35.3	28.4	33.3	34.9	34.1	45.4	44.4	36.9	35.0	36.1	40.0	40.3	32.4	30.6	32.1	33.9	34.4	37.9	34.1	36.3
10	32.5	33.3	34.4	32.9	34.0	30.7	33.3	34.0	35.1	35.0	34.4	35.3	30.6	42.0	40.8	35.8	34.8	31.6	29.4	31.5	28.3	30.4	31.4	31.3	33.4
11	30.4	31.1	33.0	30.2	50.7	38.1	30.6	34.1	33.8	35.0	35.7	35.0	36.2	36.3	37.0	36.8	36.6	34.9	32.3	31.5	31.3	31.5	32.2	32.6	34.4
12 Q	33.0	33.6	34.5	33.3	33.2	34.3	33.1	33.8	35.4	34.7	37.2	37.0	37.2	36.3	37.7	39.1	39.6	37.9	33.6	31.0	30.0	30.8	31.1	31.4	34.5
13	30.0	31.9	32.0	31.9	34.3	31.6	34.5	32.3	35.8	40.2	42.8	79.7	45.4	43.9	36.3	38.1	39.8	35.2	30.4	30.4	29.8	30.1	31.1	32.3	36.7
14	31.6	32.8	34.1	34.3	35.4	33.2	39.4	35.9	53.4	44.1	39.2	41.0	23.2	32.0	35.2	40.2	38.0	35.7	33.5	32.4	32.0	31.2	32.3	37.0	35.7
15	33.1	34.3	33.6	34.1	34.1	34.1	35.8	42.1	40.4	33.6	35.0	36.7	38.4	30.9	27.3	37.9	40.1	35.9	30.5	31.5	30.8	31.6	33.0	33.3	34.5
16 Q	34.0	33.7	33.9	33.7	34.4	34.3	34.5	43.7	36.2	34.8	34.8	34.3	35.5	36.3	38.3	39.4	40.8	38.1	35.6	30.9	28.1	28.7	29.5	31.1	34.8
17	32.3	35.6	34.9	36.5	33.8	33.5	35.2	36.0	33.3	38.7	37.0	36.3	37.0	36.7	37.0	37.9	40.1	38.8	36.5	32.5	31.5	30.6	30.7	30.2	35.1
18	32.3	33.5	33.8	34.1	34.6	34.4	35.0	38.3	44.1	48.8	49.7	36.7	36.4	36.9	33.9	33.9	30.5	26.7	27.3	33.0	31.1	28.1	26.5	26.3	34.4
19	29.4	28.2	29.2	30.6	31.4	32.9	36.1	33.4	33.8	36.0	37.2	39.6	38.5	44.0	44.9	46.9	43.9	25.6	33.1	26.5	24.4	28.8	30.4	28.6	33.9
20	28.5	23.6	36.8	25.1	29.3	39.1	35.4	25.7	23.3	42.9	36.0	34.4	34.3	35.0	37.9	40.7	41.8	39.3	37.2	35.1	32.1	31.4	30.9	31.6	33.6
21	31.2	32.0	32.4	33.3	32.2	30.6	40.4	56.1	57.3	43.2	59.7	47.6	46.6	44.2	40.7	45.7	45.2	40.1	31.6	29.8	28.2	28.4	28.5	26.3	38.8
22	22.7	28.1	33.0	26.7	35.0	37.2	41.2	36.7	37.1	34.9	36.4	34.9	40.8	40.0	37.3	41.4	40.8	40.6	37.7	34.9	31.4	28.7	27.7	27.5	34.7
23	31.4	31.5	32.0	33.7	36.2	32.9	34.3	34.8	35.7	36.4	37.5	34.6	38.1	38.8	42.4	41.5	36.4	35.6	33.5	33.9	32.2	30.9	29.1	27.9	34.6
24	28.7	30.2	32.0	32.8	40.8	38.3	33.0	29.2	38.1	38.2	35.2	38.1	36.2	37.0	35.5	36.2	36.9	38.6	37.0	34.3	33.7	33.7	32.9	32.1	34.9
25 Q	32.1	33.1	32.5	33.0	34.0	37.6	37.8	35.2	35.3	35.3	28.7	40.0	36.2	37.7	39.7	40.8	40.1	39.7	36.2	33.7	32.1	32.1	32.1	32.2	35.3
26	31.6	32.2	32.9	33.3	34.0	33.8	33.8	32.9	33.9	36.9	43.2	39.5	54.5	50.7	48.2	46.1	48.9	43.3	36.7	32.9	31.4	31.4	32.4	31.8	37.8
27 Q	32.0	32.8	34.7	34.0	31.6	35.2	34.1	35.7	35.4	35.4	36.2	37.2	37.0	38.4	40.4	41.0	42.9	42.0	38.6	35.4	33.1	31.3	30.1	30.4	35.6
28 Q	32.0	32.4	32.3	33.5	34.8	33.9	34.9	33.9	34.9	35.0	35.1	34.9	34.1	34.5	36.7	40.8	43.0	42.9	40.1	37.5	33.9	31.6	30.8	30.5	35.2
29	30.4	30.0	31.0	32.8	35.9	35.2	35.9	41.8	38.3	39.3	40.6	38.6	37.1	31.4	28.0	40.2	42.0	44.7	40.3	35.4	32.2	29.4	29.4	29.9	35.4
30	31.5	31.9	33.3	34.3	34.7	34.9	37.0	37.4	37.3	38.6	36.9	36.0	36.7	37.1	35.6	37.3	36.4	35.4	27.5	26.3	30.6	30.3	29.9	31.7	34.1
31	32.5	33.2	34.5	35.2	35.0	38.3	33.6	34.0	36.0	40.2	36.3	36.3	35.7	36.9	37.2	41.4	43.9	40.8	37.9	34.9	31.6	25.6	28.1	29.9	35.4
Mean	32.8	33.8	34.1	34.8	35.2	33.8	35.1	34.3	33.2	33.1	36.3	39.8	36.7	39.6	38.8	39.4	40.5	37.4	34.2	32.9	32.4	31.8	31.7	32.2	35.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Meanook $Z = 59,000\ \gamma +$ March 1942

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 D	260	257	249	249	254	239	231	139	-048	464	568	845	704	606	333	293	270	221	198	202	260	242	192	165	308
2 D	296	055	157	239	252	283	292	267	235	219	238	185	118	126	140	218	237	242	267	294	267	251	254	258	225
3 D	268	272	269	250	247	245	200	032	-145	-356	039	-192	-137	-008	-041	018	128	221	260	236	250	263	268	264	119
4	257	278	257	256	243	267	229	136	187	121	136	166	200	209	217	219	216	214	230	232	232	245	248	245	218
5 D	245	238	233	232	232	099	128	072	-002	085	145	142	115	182	227	217	184	096	139	248	335	291	256	248	183
6	259	283	280	265	201	078	117	094	128	-031	000	118	155	158	189	251	238	235	233	233	232	233	241	243	185
7	235	235	233	233	237	245	267	219	139	152	264	136	180	220	230	228	220	220	220	228	231	233	236	247	220
8 D	255	323	304	263	269	264	202	200	213	187	119	184	208	234	232	216	189	192	224	266	335	282	296	311	240
9	352	350	323	-042	043	273	195	256	248	243	147	158	200	213	236	227	223	209	225	239	253	275	334	287	228
10	253	253	253	261	275	146	243	238	226	222	206	099	173	183	207	210	203	208	223	234	229	231	231	235	218
11	237	264	258	271	210	264	312	269	237	221	227	226	237	237	237	234	237	237	237	239	240	240	240	239	244
12 Q	237	235	237	237	237	240	243	245	219	192	205	229	221	224	221	223	223	221	221	223	224	226	229	231	227
13	248	285	271	306	269	261	218	211	080	-027	035	128	157	-027	135	203	215	215	224	226	227	250	247	237	191
14	231	239	243	243	242	237	160	-057	-080	122	168	138	058	149	163	200	231	226	223	227	232	231	234	253	180
15	240	235	229	224	226	226	234	240	235	213	194	200	205	141	175	210	219	218	221	226	229	231	227	229	218
16 Q	223	223	227	223	223	223	221	210	210	221	221	218	222	224	224	224	222	221	219	221	222	227	229	226	221
17	234	237	238	242	235	234	222	170	197	192	187	190	221	222	224	227	224	222	218	221	229	238	226	234	220
18	227	228	227	227	228	228	236	223	156	089	099	179	202	190	190	176	131	142	189	210	226	238	251	256	198
19	236	239	241	246	254	291	276	255	235	218	218	200	166	190	211	194	154	149	198	221	232	258	277	285	227
20	341	331	333	347	351	263	253	077	079	160	189	211	223	223	224	229	231	229	232	232	229	224	226	226	236
21	232	234	263	301	275	232	207	336	250	371	219	159	173	205	234	223	205	223	237	240	257	291	267	269	246
22	286	322	302	328	286	241	206	097	207	196	105	124	174	210	227	224	218	217	221	232	232	233	231	231	223
23	246	238	239	236	235	220	217	215	206	164	164	147	159	167	175	183	158	180	187	182	222	247	249	235	203
24	228	219	223	238	249	257	275	214	219	134	137	164	203	209	206	207	215	215	214	215	217	219	220	220	213
25 Q	225	222	220	217	217	222	225	223	215	206	113	123	140	169	201	209	211	212	214	217	220	220	217	214	203
26	212	212	214	214	214	214	206	215	193	003	-089	180	073	006	060	156	185	190	199	209	211	212	211	211	163
27 Q	209	214	217	230	227	220	220	211	207	207	204	206	211	211	215	215	217	217	217	219	227	231	230	230	217
28 Q	223	217	215	215	217	215	203	215	217	215	215	213	202	204	207	215	216	216	215	212	207	208	213	213	213
29	210	210	210	216	244	253	205	176	195	112	099	193	166	053	024	157	205	217	219	219	222	232	232	229	187
30	227	227	225	229	224	229	237	217	211	195	203	216	218	204	158	172	185	199	215	217	221	229	229	221	213
31	219	219	219	219	224	234	227	221	192	187	205	210	216	215	210	210	213	215	213	213	216	215	218	219	214
Mean	247	245	245	239	237	230	223	188	163	158	167	184	186	185	190	206	207	208	218	227	238	240	241	239	213

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook — March 1942

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	07	53	1119	10	17	-117	1236	11	38	135.0	09	26	141.4	276.4	11	25	1037	08	36	-223	1260
2 D	01	46	1506	12	19	376	1130	00	34	132.8	01	31	53.5	186.3	00	31	415	01	27	-284	699
3 D	02	23	839	09	55	-415	1254	08	39	94.8	10	13	40.4	135.2	02	20	328	09	40	-820	1148
4	01	36	855	10	06	454	401	03	51	55.3	07	39	17.0	38.3	01	29	336	09	53	86	250
5 D	20	17	925	09	31	137	788	09	07	57.9	19	02	15.4	73.3	20	17	363	07	48	-112	475
6	04	23	966	08	59	205	761	05	12	66.1	05	23	23.9	90.0	02	25	305	05	16	-93	398
7	08	04	821	11	11	401	417	08	59	42.0	08	13	03.2	38.8	10	38	299	11	11	37	262
8 D	02	51	1159	10	37	447	712	03	15	71.0	01	41	14.5	56.5	01	51	424	10	12	93	331
9	04	39	1274	10	13	440	834	01	22	67.7	04	09	01.4	69.1	00	53	547	03	54	-218	765
10	04	56	797	11	43	443	354	01	10	45.6	05	14	20.5	25.1	04	50	291	11	28	-34	325
11	04	22	955	18	34	709	246	04	32	70.5	03	36	26.5	44.0	06	32	336	04	41	154	182
12 Q	23	41	758	18	15	717	41	16	32	40.3	09	49	29.1	11.2	07	12	261	09	45	175	86
13	04	09	869	12	29	-45	914	11	03	97.3	08	59	05.6	102.9	11	53	365	09	22	-221	586
14	06	08	797	08	02	118	915	08	03	90.4	12	27	11.5	78.9	06	08	279	08	06	-278	557
15	07	45	777	13	57	514	263	08	08	47.6	14	06	22.2	25.4	07	49	259	13	48	79	180
16 Q	07	51	751	18	34	696	55	08	17	52.0	20	46	26.6	25.4	07	11	234	08	17	192	42
17	07	56	835	08	45	627	208	10	01	44.7	08	08	22.7	22.0	07	55	285	07	10	101	184
18	13	15	766	10	51	417	349	10	53	57.5	17	57	24.3	33.2	23	41	259	10	49	-2	261
19	05	52	900	06	18	630	270	16	19	49.5	19	36	18.5	31.0	05	45	335	16	19	126	209
20	01	00	955	19	09	687	268	02	33	61.2	08	09	01.3	59.9	00	55	416	07	23	-48	464
21	05	46	799	08	33	233	566	07	31	90.1	05	47	21.7	68.4	08	04	637	08	26	93	544
22	04	14	901	10	29	451	450	06	36	58.1	03	16	20.9	37.2	01	31	363	07	15	-27	390
23	22	07	742	15	53	661	81	15	03	44.1	22	58	26.5	17.6	22	08	260	11	27	134	126
24	07	16	797	09	11	619	178	05	08	45.4	07	29	23.2	22.2	08	45	286	09	06	113	173
25 Q	13	41	757	10	43	616	141	05	49	44.8	10	14	26.7	18.1	00	20	230	10	42	60	170
26	12	00	788	08	51	-235	1023	10	29	74.4	10	59	11.8	62.6	08	02	228	10	28	-180	408
27 Q	05	16	766	18	14	699	67	15	23	44.9	04	45	26.5	18.4	03	40	243	05	23	180	63
28 Q	06	07	754	18	58	702	52	16	26	44.5	23	30	30.0	14.5	00	08	231	06	18	189	42
29	03	31	766	14	36	297	469	10	01	62.3	14	17	16.5	45.8	05	10	277	14	27	-93	370
30	12	10	754	14	26	666	88	16	14	42.9	19	29	24.3	18.6	06	18	246	14	39	138	108
31	23	58	769	21	07	687	82	16	54	45.0	21	30	23.7	21.3	05	22	239	08	57	136	103
Mean			878			414	464			63.7			06.7	57.0			342			18	324
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 13 Meanook $H = 12,000\ \gamma +$ April 1942

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	758	758	759	754	771	761	766	771	768	764	772	765	764	764	749	744	733	719	716	715	715	726	733	737	749
2	742	737	739	740	745	749	742	709	557	441	361	080	134	102	516	667	629	664	712	708	710	736	762	765	602
3 D	753	747	733	750	775	659	568	503	472	535	623	599	727	703	718	713	749	739	726	733	731	740	709	730	685
4 D	750	755	750	743	739	737	557	231	678	448	253	-022	249	731	710	510	404	507	543	673	790	736	706	723	581
5	719	726	731	733	736	738	739	720	698	538	614	693	687	628	652	714	723	712	715	717	719	724	722	729	701
6	731	728	740	739	743	739	733	733	733	726	720	725	729	728	739	740	729	715	710	709	713	714	718	724	727
7 Q	728	735	729	737	736	736	732	735	739	741	742	741	733	739	745	744	735	723	721	718	718	720	717	721	732
8	737	755	791	932	935	747	757	692	526	644	739	744	750	739	723	741	713	705	694	697	716	723	736	736	736
9	742	731	736	735	740	739	748	749	745	742	726	696	718	721	699	711	723	727	725	725	726	720	732	741	729
10	741	740	741	740	741	741	742	742	746	747	750	750	751	749	749	747	740	733	725	720	725	735	749	766	742
11 D	788	910	1074	973	740	886	794	377	075	387	436	289	382	490	326	655	743	738	726	729	741	738	740	742	645
12	742	740	740	736	731	730	728	728	732	733	735	745	739	738	732	726	726	716	715	722	718	725	743	756	732
13	749	742	756	751	747	747	742	749	760	760	749	756	745	666	517	602	650	672	710	714	716	782	793	904	728
14	1110	1126	1005	850	758	736	725	723	731	736	738	747	751	749	740	734	720	716	714	716	716	716	718	718	779
15	729	738	738	738	738	738	738	736	740	742	738	738	731	734	738	731	716	710	705	705	718	712	725	734	730
16	749	753	751	751	789	775	750	531	492	558	679	712	720	726	750	741	722	696	678	694	734	858	825	853	720
17 D	915	1141	1068	898	935	784	302	484	411	310	254	633	741	719	621	550	656	697	702	713	717	721	737	745	686
18 D	748	783	786	746	744	762	597	574	573	449	358	399	356	538	619	633	741	714	741	758	723	731	801	826	654
19	763	790	786	793	769	748	753	732	729	593	482	707	721	724	745	745	722	698	691	691	716	711	714	752	720
20	752	755	774	748	736	740	737	733	733	736	733	703	646	711	740	723	705	696	706	696	705	709	723	725	724
21 Q	730	739	737	737	740	735	737	739	740	741	742	743	741	741	735	732	726	711	709	711	715	713	716	727	731
22 Q	737	741	737	743	741	741	741	742	743	749	750	753	756	758	754	742	736	721	712	712	719	723	728	735	738
23	744	750	748	751	758	759	755	766	785	769	673	555	402	633	694	714	712	685	706	708	734	732	755	765	710
24	777	803	762	754	739	750	740	709	687	583	651	737	755	746	733	736	731	722	724	725	721	726	726	725	728
25 Q	725	732	733	734	735	737	733	744	747	748	748	748	748	748	744	735	733	727	728	734	736	734	723	725	737
26 Q	729	733	745	749	745	743	743	743	741	741	741	745	746	745	738	741	736	722	724	724	721	716	725	724	736
27	733	736	737	739	741	745	748	751	757	750	765	750	727	758	747	737	702	688	699	699	727	759	768	835	742
28	968	1082	893	774	794	794	744	733	717	716	684	718	748	743	688	733	730	724	714	713	727	725	718	727	763
29	734	729	730	734	732	730	733	744	741	741	740	740	737	744	744	736	723	712	712	713	718	725	741	711	731
30	720	727	734	735	738	741	741	751	753	755	759	751	594	701	734	727	700	711	718	719	718	728	740	738	726
31																									
Mean	768	789	783	768	760	749	712	679	668	655	648	648	658	690	695	707	707	704	707	714	723	732	738	751	715

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Meanook D = 25° E + ... ′ April 1942

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	28.4	31.3	33.0	33.2	49.6	35.1	31.1	30.4	32.8	35.4	36.1	38.0	40.2	43.6	41.4	41.3	42.5	42.0	37.3	34.2	32.4	31.8	31.6	31.5	36.0
2	32.4	34.0	35.0	35.8	36.5	33.9	34.5	36.3	50.8	51.9	60.8	51.8	40.5	50.1	44.4	40.7	40.2	26.5	27.6	26.9	27.8	28.2	31.0	31.3	37.9
3 D	32.0	31.9	35.6	29.1	52.1	18.1	34.5	29.8	59.1	56.6	47.8	48.7	46.6	46.7	37.1	37.8	39.8	38.5	35.8	36.1	30.5	29.8	25.5	26.6	37.8
4 D	28.6	28.6	32.3	30.7	33.3	32.5	48.7	54.3	38.7	49.2	71.8	86.1	116.0	45.3	43.2	38.9	32.3	37.2	26.9	24.7	26.8	27.6	26.3	30.5	42.1
5	33.7	34.2	34.1	38.3	44.8	35.1	35.1	33.8	34.6	29.9	35.1	41.6	40.7	38.4	39.9	38.1	38.7	38.5	35.1	32.4	31.1	31.0	32.2	32.5	35.8
6	31.9	32.8	33.7	37.7	38.8	32.9	33.7	34.4	34.6	33.7	35.5	36.8	37.3	37.8	39.5	41.0	40.8	38.8	36.6	33.4	31.2	30.5	29.8	29.7	35.1
7 Q	29.5	31.3	33.2	33.8	33.7	40.2	34.0	35.8	35.1	34.7	35.1	36.1	36.0	37.7	37.8	39.1	39.5	37.8	35.6	33.3	30.8	29.3	28.7	28.1	34.4
8	27.0	26.0	21.9	26.1	19.4	32.1	31.1	50.6	56.6	52.2	35.8	37.3	39.6	42.7	44.6	42.4	40.7	31.9	28.0	23.3	26.3	26.3	29.0	31.4	34.3
9	32.3	33.1	33.2	33.4	34.0	44.4	36.2	35.3	32.2	34.3	37.1	35.0	37.1	41.2	40.5	38.8	37.8	36.4	34.9	34.8	34.1	31.5	31.5	31.3	35.4
10	32.7	33.2	33.2	33.4	33.6	33.4	33.5	33.9	34.7	34.8	35.7	35.1	36.3	37.8	39.5	41.0	42.3	42.1	38.2	34.0	30.2	27.4	25.7	20.2	34.2
11 D	16.6	19.4	17.7	27.2	33.8	10.0	30.0	36.1	03.4	01.6	49.6	55.8	56.4	44.8	52.4	48.5	42.9	37.5	33.3	31.0	29.3	29.9	31.5	32.9	32.2
12	34.5	34.8	34.8	34.4	33.2	33.1	35.7	34.5	35.0	38.2	37.1	36.9	37.9	38.7	41.9	42.1	41.9	36.2	32.2	30.3	27.2	28.7	29.3	29.6	34.9
13	32.2	33.3	32.2	32.1	32.1	33.7	40.9	32.8	30.5	34.8	36.9	38.1	40.0	42.5	38.0	26.3	35.5	31.0	34.7	31.1	31.1	31.2	29.2	26.8	33.6
14	32.8	31.5	40.0	31.0	34.9	40.2	32.1	29.0	31.5	31.3	33.9	35.6	37.2	37.6	38.4	40.0	40.0	38.0	35.4	31.8	29.4	28.6	29.7	30.8	34.2
15	31.9	31.8	32.1	32.5	32.8	32.7	32.8	39.0	37.3	33.3	35.5	36.4	37.5	38.3	39.7	39.9	39.6	38.0	35.1	30.6	25.6	25.5	28.0	30.2	34.0
16	30.3	29.1	27.9	31.3	26.5	41.1	38.7	28.5	29.5	25.6	37.3	36.9	40.0	41.9	44.4	44.4	45.1	39.8	36.0	34.4	30.4	27.1	23.5	17.8	33.6
17 D	19.7	24.3	21.9	28.5	25.7	31.9	55.0	30.9	41.1	37.6	45.8	36.0	42.5	45.3	52.4	49.6	39.2	37.2	34.8	32.8	30.0	26.4	25.6	25.3	35.0
18 D	26.8	28.1	38.5	38.0	27.6	42.6	27.2	31.4	40.6	48.1	24.0	42.5	53.3	58.0	43.2	38.3	40.0	43.3	40.2	38.0	30.6	28.4	30.8	32.5	37.2
19	30.6	29.3	27.5	29.8	37.1	36.9	36.1	37.3	34.9	26.5	33.9	36.9	40.0	39.1	41.3	43.2	46.0	45.5	40.0	32.2	29.4	28.3	28.7	28.2	34.9
20	27.6	29.8	35.7	32.8	35.8	32.2	33.9	33.1	34.0	34.2	33.7	34.6	28.6	41.0	41.8	43.6	42.9	40.2	37.2	32.5	30.1	28.5	28.3	29.3	34.2
21 Q	30.6	32.2	35.6	34.2	34.0	33.9	33.7	34.1	34.0	34.1	34.0	34.4	36.1	37.2	39.6	41.2	40.1	40.7	37.3	28.6	26.1	25.5	26.7	28.5	33.8
22 Q	29.5	30.7	31.5	32.3	32.0	32.4	33.0	33.3	33.9	34.2	35.1	36.1	37.8	39.6	41.2	41.3	41.1	39.4	35.6	31.1	28.1	27.4	27.5	28.5	33.9
23	29.6	29.9	30.8	31.0	29.0	29.3	31.0	31.8	32.5	32.5	38.6	53.4	51.6	54.1	43.0	46.7	40.4	30.8	33.5	24.2	25.7	28.3	28.5	29.8	34.8
24	34.5	35.8	35.3	38.5	37.3	38.7	35.3	33.4	37.5	31.2	36.7	44.0	40.1	41.0	40.0	40.0	40.0	38.2	34.4	31.6	31.9	31.3	30.3	30.2	36.1
25 Q	30.7	31.3	32.2	33.0	33.4	33.2	33.8	34.5	34.1	34.6	34.2	35.6	37.2	39.0	40.7	40.7	40.5	38.7	33.4	30.9	30.3	29.5	29.9	29.8	34.2
26 Q	29.9	30.8	31.5	31.4	30.3	30.6	29.6	32.6	33.7	34.0	35.2	36.6	37.0	38.1	39.2	40.8	41.5	39.8	35.2	32.5	30.2	29.1	28.4	28.9	33.6
27	29.7	31.6	33.0	33.4	33.6	33.6	34.4	33.0	34.1	35.3	36.4	32.2	32.6	37.8	39.0	38.8	39.6	36.2	38.2	20.8	21.6	29.3	28.9	25.0	32.8
28	23.7	25.9	34.2	31.3	31.9	31.9	33.3	33.9	34.0	38.7	32.8	35.2	36.1	35.9	37.3	41.2	43.9	42.5	37.1	33.8	32.0	31.6	29.7	29.2	34.0
29	29.2	30.4	37.4	37.8	35.3	34.9	35.8	37.8	34.7	33.3	33.4	34.4	35.8	38.9	40.0	40.9	42.1	40.2	38.7	35.2	31.8	29.5	27.5	28.3	35.1
30	27.6	29.4	30.6	32.4	32.9	33.3	34.4	34.1	33.2	33.0	32.9	32.0	25.8	44.6	47.5	44.3	41.7	38.7	36.1	29.0	26.5	27.5	28.0	26.1	33.4
31																									
Mean	29.6	30.5	32.2	32.8	34.2	33.5	35.0	34.9	35.6	35.5	38.3	40.3	41.8	41.8	41.6	41.0	40.6	38.0	35.2	31.2	29.3	28.8	28.7	28.7	35.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Meanook $Z = 59,000\ \gamma +$ April 1942

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	209	211	224	232	253	217	203	211	218	207	206	207	206	206	209	212	211	209	212	212	213	214	215	213	214
2	211	211	211	211	211	209	202	139	-039	059	143	220	109	030	094	146	164	161	189	213	218	243	245	243	168
3 D	234	226	226	253	181	146	201	273	287	132	135	131	175	152	191	203	222	221	229	233	231	234	233	234	208
4 D	242	254	287	264	224	203	154	086	177	188	242	153	149	115	165	093	091	181	217	264	269	237	222	235	196
5	243	237	238	244	240	237	233	211	199	092	126	179	184	146	175	188	198	212	217	215	215	220	228	230	204
6	231	226	228	241	230	230	222	218	218	202	186	188	207	211	212	213	212	211	212	215	217	221	222	222	216
7 Q	227	227	227	226	226	227	227	227	221	219	217	212	202	207	211	213	213	211	211	211	212	218	216	217	218
8	224	239	306	333	347	240	243	123	131	107	209	213	217	206	202	216	204	204	215	219	228	227	226	227	221
9	227	225	225	222	224	221	185	142	187	201	199	182	193	195	198	200	212	213	215	216	217	217	218	218	206
10	217	216	216	215	216	217	219	220	218	204	216	212	212	213	213	213	213	212	211	211	211	214	219	224	215
11 D	275	318	154	124	168	019	131	167	092	059	343	485	404	306	192	159	219	234	240	241	244	244	242	241	221
12	231	231	229	224	221	220	212	211	199	186	206	214	214	217	211	203	212	221	224	232	238	241	241	243	220
13	237	229	227	223	221	226	229	224	224	224	215	218	218	178	024	071	107	157	216	231	245	280	295	327	210
14	254	245	189	242	243	211	207	219	221	212	220	219	221	221	224	229	227	227	229	230	231	233	234	234	226
15	223	221	221	219	219	219	219	213	218	219	221	218	205	205	211	215	215	217	218	221	222	221	222	222	218
16	224	231	243	267	283	165	122	157	-049	079	142	180	175	169	209	217	212	211	215	222	254	332	319	330	204
17 D	333	139	005	145	233	214	086	418	246	180	283	199	212	199	146	138	172	191	212	221	230	232	231	243	204
18 D	258	294	274	243	265	168	-010	035	081	063	132	115	-027	045	116	137	211	213	254	263	246	244	278	296	175
19	266	286	286	296	232	256	238	221	232	137	121	171	189	213	240	237	232	230	227	234	247	232	230	243	229
20	253	258	264	239	233	232	220	219	203	211	219	185	104	126	181	200	201	209	219	225	229	230	230	227	213
21 Q	225	224	225	221	219	214	213	212	211	211	211	212	213	213	209	206	206	208	206	207	211	211	212	213	213
22 Q	219	221	221	220	217	215	212	212	212	212	212	212	213	212	212	209	212	209	208	206	206	206	207	209	212
23	216	214	214	213	216	218	212	211	214	208	126	-010	061	119	171	167	211	224	254	254	242	229	241	266	195
24	283	274	278	252	239	239	214	169	137	024	079	123	190	201	201	208	213	215	221	221	222	225	221	220	203
25 Q	220	219	218	217	219	219	218	216	216	214	214	212	218	220	219	214	214	213	211	211	212	214	211	211	215
26 Q	219	218	220	227	231	233	232	230	224	221	219	218	218	218	214	217	221	221	219	216	217	214	212	211	220
27	212	212	212	212	211	211	211	212	211	189	193	194	173	198	197	190	166	185	198	207	232	235	233	277	207
28	293	243	222	263	265	271	253	232	205	168	118	165	204	218	186	218	232	229	232	230	233	242	242	239	225
29	234	232	237	227	227	227	220	174	204	207	213	214	213	218	221	221	219	218	216	217	217	220	229	226	219
30	221	214	212	211	211	211	211	209	207	207	208	203	192	190	137	160	147	168	189	208	207	212	218	211	198
31																									
Mean	239	233	225	231	231	211	198	200	184	168	192	195	189	186	186	190	200	208	218	224	227	231	233	238	210

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook — April 1942

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	15	794	19	16	708	86	04	29	58.0	00	17	26.0	32.0	04	07	293	05	36	189	104
2	22	46	786	13	00	-148	934	11	50	135.5	11	17	-00.6	136.1	11	28	470	12	39	-346	816
3 D	04	18	835	08	30	361	474	04	35	90.7	07	15	-02.6	93.3	08	14	361	05	15	48	313
4 D	20	28	850	11	30	-227	1077	12	10	144.6	07	57	-58.2	202.8	06	54	432	07	10	-88	520
5	04	35	753	10	04	476	277	04	11	50.9	10	12	22.7	28.2	03	33	259	10	06	66	193
6	04	13	754	20	14	703	51	03	56	62.7	23	45	28.9	33.8	03	47	271	10	41	175	96
7 Q	14	38	750	22	03	704	46	05	26	44.8	23	37	27.5	17.3	07	06	232	12	13	200	32
8	04	06	1097	08	48	355	742	09	07	77.4	04	12	02.7	74.7	04	12	374	09	26	-50	424
9	07	08	798	11	00	658	140	05	44	51.6	07	58	25.1	26.5	05	23	239	07	22	96	143
10	23	26	827	23	07	702	125	19	04	43.5	23	30	15.3	28.2	23	27	241	09	11	184	57
11 D	02	39	1191	07	46	-97	1288	08	55	129.0	08	17	-63.4	192.4	11	48	705	09	02	-344	1049
12	22	56	773	17	00	692	81	15	03	43.6	20	02	26.0	17.6	22	52	251	09	22	167	84
13	23	45	996	14	10	453	543	14	42	48.9	15	21	20.6	28.3	23	41	383	14	41	-53	436
14	00	48	1526	09	43	672	854	00	35	70.9	01	44	-02.0	72.9	03	24	281	02	38	177	104
15	07	58	758	18	20	696	62	07	10	48.1	21	05	23.8	24.3	20	45	224	12	40	202	22
16	05	08	906	07	45	266	640	08	08	66.6	09	23	08.6	58.0	21	30	360	08	13	-168	528
17 D	02	36	1263	06	43	-10	1273	06	36	75.9	02	41	-13.9	89.8	07	08	554	02	30	-309	863
18 D	23	22	877	12	09	217	660	13	06	80.4	10	08	-14.2	94.6	01	36	337	09	55	-201	538
19	03	59	888	10	19	346	542	04	04	51.3	04	28	23.1	28.2	01	46	330	09	38	46	284
20	02	10	797	12	30	608	189	16	06	46.7	12	07	21.4	25.3	01	57	290	12	32	71	219
21 Q	04	02	748	17	27	702	46	17	27	44.9	21	03	24.4	20.5	00	32	229	15	30	202	27
22 Q	14	00	759	18	46	711	48	16	18	45.5	21	24	26.8	18.7	01	55	229	16	21	200	29
23	22	32	811	12	04	336	475	12	10	77.7	19	26	17.4	60.3	23	51	283	11	36	-50	333
24	01	22	819	09	32	499	320	03	40	53.7	09	46	18.4	35.3	00	38	297	09	29	-51	348
25 Q	13	13	751	22	16	717	34	14	37	42.1	21	42	29.1	13.0	00	30	221	18	52	202	19
26 Q	03	30	755	21	02	709	46	16	25	42.6	06	37	26.2	16.4	05	48	240	22	00	209	31
27	23	48	847	17	47	677	170	16	31	44.6	19	43	19.2	25.4	23	59	294	16	26	156	138
28	02	05	1209	10	08	640	569	02	26	51.8	01	12	08.5	43.3	00	35	324	02	00	-6	330
29	22	34	759	23	28	698	61	16	46	43.6	22	40	26.4	17.2	02	38	243	07	28	134	109
30	11	20	769	12	34	495	274	14	40	52.1	12	16	18.7	33.4	22	15	22.1	12	36	-16	237
31																					
Mean			882			477	405			64.0			11.1	52.9			316			35	281
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 17 Meanook $H = 12,000\ \gamma +$ May 1942

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	752	768	775	792	823	837	747	528	657	703	700	683	713	730	739	729	724	725	727	724	724	721	726	727	728
2	739	742	744	743	748	757	749	725	729	740	557	555	626	618	640	660	704	710	727	732	730	733	768	781	706
3	805	791	781	760	756	752	737	737	736	725	688	685	741	756	753	747	733	723	724	724	722	730	742	738	741
4 D	755	746	755	752	741	739	744	744	744	744	746	737	741	737	733	711	693	695	715	726	715	765	833	860	745
5 D	930	1003	926	951	886	837	757	689	608	439	580	693	723	738	749	743	730	731	731	733	734	748	763	763	758
6	766	765	771	784	796	788	751	746	727	724	719	689	738	756	748	740	729	726	728	728	726	731	738	738	744
7	741	742	742	748	749	750	770	759	737	735	752	703	731	758	756	749	740	742	731	736	742	739	745	743	743
8	734	750	745	744	749	752	750	753	757	757	757	755	763	774	775	776	763	746	736	732	737	744	743	744	752
9 Q	744	746	750	750	751	754	753	756	757	756	754	758	762	763	764	763	747	737	739	741	742	745	747	746	751
10	757	758	754	747	747	751	757	757	763	765	768	769	764	754	760	759	749	735	726	727	736	748	763	795	754
11	743	755	762	751	754	759	758	760	758	765	765	765	766	769	762	752	740	733	730	733	737	737	742	744	752
12 Q	743	747	743	743	745	750	753	755	758	760	759	758	761	765	763	752	726	709	715	722	729	734	745	754	745
13 Q	764	749	752	744	747	747	751	757	756	756	756	757	757	757	752	747	733	720	723	718	733	743	751	772	748
14 D	765	766	773	780	781	833	437	582	644	533	685	797	782	750	728	714	725	712	718	728	726	730	732	746	715
15	742	744	766	781	780	770	779	740	704	688	697	733	739	762	763	758	756	742	728	709	703	713	739	729	740
16	735	738	747	747	745	748	753	745	735	752	753	726	715	756	765	756	745	727	727	731	732	737	732	739	741
17	749	764	759	748	747	748	754	755	750	756	757	756	755	758	762	757	743	724	713	716	720	718	742	749	746
18	764	775	768	757	755	751	756	753	750	751	695	750	765	765	760	743	748	739	736	740	735	743	746	738	749
19	761	758	768	746	750	753	750	711	678	764	758	748	748	754	758	757	750	742	734	727	729	731	727	727	743
20	748	750	750	750	753	761	764	762	758	760	737	766	765	765	766	764	744	742	745	735	742	739	755	738	752
21	766	806	807	746	744	744	750	754	758	759	762	751	768	758	744	745	751	759	750	742	733	751	728	742	755
22	757	760	757	750	751	750	765	406	616	764	775	769	767	766	760	739	712	706	705	696	741	735	742	755	727
23	776	778	755	740	748	741	738	745	748	748	750	754	755	757	758	756	752	735	727	731	752	733	733	736	748
24	755	758	755	749	767	762	752	752	755	752	753	755	759	759	752	731	745	731	724	731	736	747	752	801	751
25	780	758	749	745	746	743	749	752	754	747	754	760	761	755	749	742	732	726	723	723	733	739	743	746	746
26 Q	755	757	751	749	753	751	752	755	757	760	760	759	750	760	750	750	739	729	731	738	740	746	753	762	750
27 D	767	765	759	760	764	764	764	767	773	770	756	722	738	749	713	727	697	703	716	719	751	762	752	788	748
28 D	776	762	758	784	802	792	671	340	615	574	675	732	744	703	733	729	739	728	723	729	734	758	771	758	714
29	764	779	754	773	738	738	752	748	722	738	752	738	739	761	759	755	745	734	725	728	727	727	738	760	746
30	775	777	777	764	753	751	752	756	734	729	756	755	766	761	747	745	738	722	717	725	725	746	763	773	750
31 Q	770	757	745	744	739	745	752	753	748	753	745	747	754	759	761	755	743	729	720	722	725	733	743	755	746
Mean	764	768	764	762	762	762	741	711	725	725	730	736	747	751	749	744	736	728	726	727	732	739	748	756	743

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18 Meanook D = 25° E + ... ′ May 1942

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	24.6	23.8	23.2	25.4	25.7	25.3	29.5	39.2	38.1	34.9	36.3	35.1	36.7	38.9	40.5	38.2	37.7	36.2	34.2	31.9	30.1	28.9	28.1	27.3	32.1
2	27.3	28.5	30.7	32.8	31.8	37.0	40.9	41.4	39.1	44.0	42.4	56.6	52.3	50.6	43.4	29.7	28.0	35.0	37.0	34.1	28.9	26.0	24.6	22.3	36.0
3	22.9	22.1	26.0	29.7	31.4	41.3	34.8	32.9	32.5	32.3	31.5	32.6	34.8	38.2	41.0	42.2	42.3	40.0	37.7	33.9	29.0	26.8	24.9	25.1	32.7
4 D	26.8	28.8	29.5	31.4	31.9	33.6	33.4	36.0	36.3	34.3	36.5	36.3	38.9	41.8	45.7	47.6	42.3	36.5	31.2	32.4	28.5	27.3	23.4	18.3	33.7
5 D	19.3	19.2	17.2	15.9	18.7	29.3	34.8	36.9	41.5	34.3	48.2	42.0	38.6	38.1	38.9	39.5	39.9	35.7	33.3	30.2	27.7	28.9	28.8	28.8	31.9
6	26.6	24.4	23.3	28.0	29.2	37.9	33.3	33.1	37.5	39.7	40.1	39.2	41.5	40.5	40.1	39.9	38.8	34.6	31.2	28.9	27.2	26.6	27.1	28.5	33.2
7	30.4	31.2	32.1	31.8	30.6	30.2	33.7	34.7	33.2	35.1	34.4	30.4	35.9	40.4	40.8	40.4	38.8	37.3	33.7	30.0	28.9	29.1	29.3	28.2	33.4
8	29.2	29.8	31.2	35.3	35.4	31.3	31.2	32.0	34.6	34.0	32.9	33.0	39.1	41.4	42.5	44.0	41.7	37.7	32.3	27.3	26.7	26.0	26.3	28.2	33.5
9 Q	29.6	30.6	30.8	31.2	31.2	31.1	32.4	32.1	32.0	32.3	34.1	34.6	36.0	37.4	38.7	38.8	37.8	35.0	31.2	26.9	26.0	25.9	26.2	27.7	32.1
10	29.6	30.3	31.2	34.9	33.3	32.0	32.1	32.0	31.5	32.0	32.2	34.1	37.9	39.6	40.9	42.1	42.1	39.0	33.2	28.6	26.2	24.4	24.0	23.2	32.8
11	27.0	30.9	32.2	29.4	30.9	29.4	31.7	32.1	34.9	34.7	33.9	34.1	36.7	39.0	40.8	41.4	39.6	37.2	32.3	28.4	26.5	25.4	26.3	27.5	32.6
12 Q	29.8	31.4	32.1	32.2	32.2	32.1	32.1	32.0	31.7	32.1	32.4	33.8	36.4	38.1	39.6	40.6	41.7	35.8	30.1	27.3	27.5	26.0	25.5	26.5	32.5
13 Q	28.2	31.2	31.9	31.9	30.9	31.2	31.5	31.1	30.7	31.6	32.9	34.8	37.1	39.7	40.8	40.5	38.0	33.9	28.5	26.6	26.6	27.3	27.6	28.3	32.2
14 D	29.6	29.0	28.3	26.3	24.5	26.3	31.7	42.0	38.0	50.3	41.7	36.1	38.9	44.2	46.4	46.5	44.0	41.0	35.9	32.1	27.0	26.3	26.3	26.8	35.0
15	29.2	30.3	31.9	32.0	40.3	35.9	30.2	35.6	45.9	38.4	33.2	34.1	37.1	41.5	44.2	45.7	44.7	40.6	37.2	32.2	29.0	25.5	25.3	27.1	35.3
16	29.2	31.4	32.2	33.1	33.0	32.1	31.9	32.1	32.4	33.0	33.0	31.8	32.9	38.0	41.2	43.3	42.6	40.8	36.6	30.6	26.3	23.7	23.4	24.6	32.9
17	27.3	30.7	33.0	32.5	34.3	33.0	32.7	33.9	34.6	34.6	32.2	32.8	35.2	38.5	40.5	41.8	43.5	40.9	34.7	26.6	22.6	21.3	21.4	22.2	32.5
18	24.9	28.1	30.5	30.3	32.3	32.0	32.0	31.4	31.1	31.8	23.8	32.0	36.6	39.6	41.3	41.5	39.0	38.0	35.6	32.0	27.6	25.4	26.2	26.2	32.0
19	26.6	28.2	29.6	32.2	31.3	31.2	33.5	28.1	28.9	33.0	32.7	32.8	36.4	39.8	42.6	41.7	40.5	38.8	34.8	31.2	27.9	25.9	24.6	25.3	32.4
20	25.8	27.8	29.7	30.4	31.0	30.2	28.7	34.9	30.7	31.5	29.6	33.6	36.0	38.1	42.1	46.1	45.8	37.0	32.0	29.2	23.4	22.4	19.7	21.3	31.5
21	24.4	26.1	38.1	33.0	30.1	30.3	31.1	31.1	30.6	31.0	30.2	31.8	36.9	36.0	40.9	41.2	39.8	38.3	35.9	31.7	29.3	29.0	28.4	28.4	32.6
22	29.8	31.7	32.4	31.3	32.0	32.0	33.7	36.4	49.4	34.9	33.3	35.6	36.9	40.0	42.7	42.1	41.0	39.7	37.5	32.0	28.9	21.3	22.6	25.4	34.3
23	28.5	34.2	32.2	32.9	33.8	32.9	33.1	31.8	31.1	31.6	32.0	30.1	34.6	38.7	42.5	44.9	43.2	39.4	31.1	28.2	28.3	24.3	25.0	27.2	33.0
24	28.7	29.1	30.7	33.0	33.2	33.8	31.0	29.9	29.8	30.8	31.4	31.3	35.6	39.1	40.7	42.8	38.8	35.3	32.0	26.9	26.0	25.8	26.0	26.7	32.0
25	30.9	30.3	31.5	31.5	32.0	31.9	31.2	31.1	31.6	30.0	32.0	34.6	37.8	39.2	40.9	40.7	38.6	34.1	30.9	27.3	27.1	27.2	27.9	29.5	32.5
26 Q	30.1	30.2	30.3	30.3	30.7	31.1	31.2	32.1	33.2	33.0	33.0	35.0	36.8	38.6	38.2	39.7	37.9	35.0	31.2	28.2	28.0	27.2	26.9	27.4	32.3
27 D	29.6	30.3	30.7	30.3	30.1	28.3	28.1	28.2	28.8	31.7	43.3	55.4	55.2	51.6	43.4	40.5	39.4	31.0	31.4	31.9	29.1	26.6	24.4	24.3	34.3
28 D	25.5	28.2	29.4	35.0	34.6	43.6	36.9	47.4	42.0	29.8	36.9	38.7	40.5	39.3	42.7	44.0	42.7	37.8	35.6	30.9	28.9	29.1	28.9	27.9	35.7
29	28.9	26.3	28.7	30.2	26.8	40.1	33.2	32.0	29.2	32.9	33.2	34.9	37.5	39.6	41.0	41.3	41.6	37.8	33.0	29.1	27.3	25.8	26.1	26.8	32.6
30	26.6	27.8	31.6	29.9	30.0	30.0	29.5	39.6	28.1	32.2	35.1	36.3	38.5	39.7	42.0	42.1	40.5	38.8	34.9	29.2	26.0	24.5	24.1	23.2	32.5
31 Q	25.7	29.1	31.4	32.1	31.5	31.4	30.9	31.0	37.8	33.1	33.0	34.6	38.7	42.7	45.4	44.7	41.5	38.5	32.2	29.8	28.0	26.1	25.4	26.3	33.4
Mean	27.5	28.7	30.1	30.8	31.1	32.5	32.3	34.0	34.4	34.0	34.4	35.7	38.2	40.2	41.7	41.8	40.4	37.3	33.5	29.9	27.4	26.0	25.6	26.0	33.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Meanook $Z = 59,000\ \gamma +$ May 1942

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	218	224	258	293	308	298	241	187	283	211	186	161	170	203	214	218	217	217	217	215	215	215	218	217	225
2	224	225	224	228	229	228	139	068	099	121	-007	-053	-028	005	084	113	154	181	201	204	207	226	256	263	150
3	274	278	285	265	251	204	197	205	199	174	153	153	204	228	227	224	224	220	218	218	218	221	236	232	221
4 D																									
5 D	222	224	322	322	273	229	199	225	191	230	062	161	189	203	224	225	221	219	219	219	217	229	250	252	222
6	262	287	301	301	296	276	216	224	196	177	167	145	175	208	218	226	228	230	233	233	232	232	231	231	230
7	232	230	230	230	234	244	229	250	226	197	217	185	197	226	226	225	224	224	224	224	224	226	230	229	224
8	227	229	229	233	226	224	228	224	218	213	213	214	219	225	225	224	221	219	214	214	214	221	221	221	222
9 Q	221	219	218	218	218	218	224	224	219	218	218	218	218	217	216	215	215	215	215	215	216	219	219	219	218
10	223	224	237	243	240	233	226	223	220	220	219	217	213	197	202	208	211	210	208	213	214	215	218	234	220
11	226	229	228	228	226	219	219	215	208	216	215	219	217	217	217	217	217	216	213	213	215	214	214	214	218
12 Q	216	219	218	218	218	218	218	218	217	216	213	212	211	213	213	213	207	202	201	201	207	221	233	241	215
13 Q	254	240	232	224	219	191	198	214	215	215	216	218	217	215	210	207	207	207	204	202	204	213	218	227	215
14 D	224	221	220	218	223	252	164	232	186	206	186	218	243	228	215	203	214	226	228	223	225	227	230	233	218
15	226	221	234	262	278	250	245	240	178	174	180	208	207	220	221	217	217	218	214	218	234	243	245	237	224
16	221	220	223	226	232	228	223	191	154	175	201	191	175	207	217	217	215	214	215	216	226	229	229	231	212
17	236	251	243	237	231	225	223	213	191	189	204	213	211	213	214	214	207	202	202	206	219	219	226	230	217
18	233	268	252	239	240	237	229	224	207	185	107	149	208	218	219	213	213	211	207	213	218	230	240	231	216
19	233	230	237	236	230	226	211	191	136	207	213	206	203	200	204	207	208	207	206	205	207	208	213	215	210
20	213	213	213	213	213	220	234	245	232	213	177	201	213	215	214	203	201	199	204	204	208	221	231	238	214
21	226	256	300	245	226	221	217	217	215	215	215	207	214	214	202	204	207	212	206	210	211	224	232	231	222
22	228	230	226	221	219	218	201	002	090	199	219	225	228	219	214	206	202	208	223	224	273	271	236	241	209
23	256	274	238	237	231	225	213	207	205	207	215	218	214	213	212	213	215	214	212	203	215	220	221	225	221
24	224	229	230	230	243	244	231	224	223	221	214	211	206	215	204	187	191	202	201	208	211	220	230	251	219
25	267	225	210	206	211	207	207	207	204	193	183	207	219	213	208	207	204	203	203	203	205	204	207	210	209
26 Q	213	213	212	211	211	211	210	210	207	207	207	207	203	202	196	200	202	202	199	201	207	213	211	208	207
27 D	208	213	210	207	208	217	218	213	211	185	136	123	156	176	126	142	144	158	180	219	241	256	262	260	194
28 D	236	230	229	263	244	126	179	230	234	042	141	167	196	185	207	214	219	208	207	210	210	221	233	232	203
29	221	230	229	228	156	141	196	213	162	160	197	185	183	203	206	210	208	204	202	201	202	202	202	207	198
30	223	242	267	256	234	221	215	185	148	115	172	201	204	202	202	202	203	207	213	211	213	220	224	224	208
31 Q	224	229	224	218	208	203	204	202	139	168	170	180	197	204	202	201	198	190	190	191	200	203	204	211	198
Mean	230	234	239	238	232	222	212	204	194	189	180	186	196	204	205	206	207	208	209	211	217	223	227	230	213

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook May 1942

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	05	32	961	07	24	309	652	07	15	55.3	03	46	20.7	34.6	08	23	294	07	18	90	204
2	07	52	796	10	06	413	383	11	25	76.7	23	59	20.5	56.2	22	29	273	11	28	-150	423
3	00	37	837	11	00	632	205	05	52	57.9	01	51	17.4	40.5	00	27	301	10	54	117	184
4 D	23	51	875	16	20	676	199	15	58	51.7	23	30	12.3	39.4							
5 D	00	53	1059	09	39	262	797	10	12	51.5	09	49	-05.6	57.1	09	37	367	10	21	13	354
6	05	23	826	11	21	668	158	05	42	52.3	02	26	21.4	30.9	03	28	318	12	00	127	191
7	06	04	793	11	38	663	130	14	35	41.2	11	36	23.9	17.3	06	07	263	11	53	142	121
8	15	28	787	19	32	725	62	15	38	45.3	22	00	25.3	20.0	03	16	240	09	20	207	33
9 Q	15	00	770	17	10	726	44	14	55	40.6	21	08	24.6	16.0	06	12	226	16	17	211	15
10	23	30	841	18	12	723	118	15	23	43.7	23	32	20.1	23.6	02	56	254	13	30	191	63
11	13	12	773	17	31	723	50	15	27	42.6	00	17	23.4	19.2	03	55	240	08	52	202	38
12 Q	23	55	775	17	37	706	69	16	19	43.6	22	43	25.1	18.5	24	00	254	18	45	197	57
13 Q	23	49	790	17	53	710	80	14	35	41.3	19	47	26.3	15.0	00	40	254	06	04	165	89
14 D	05	54	991	06	35	204	787	06	13	74.4	06	44	-101.0	175.4	06	49	546	06	11	-117	663
15	03	54	810	09	55	648	162	08	46	56.2	07	03	24.1	32.1	04	20	299	08	41	147	152
16	14	52	772	12	19	691	81	16	08	44.6	22	10	22.5	22.1	04	34	240	08	10	100	140
17	01	34	772	21	39	697	75	16	25	45.4	23	00	20.4	25.0	01	36	253	08	56	160	93
18	01	00	784	10	24	664	120	14	55	43.1	10	22	16.7	26.4	01	40	268	10	41	29	239
19	02	36	774	08	02	549	225	14	44	43.6	08	01	08.7	34.9	03	03	245	08	04	80	165
20	22	12	816	21	31	709	107	16	12	50.4	22	15	17.2	33.2	07	36	256	10	26	164	92
21	02	21	863	22	42	713	150	02	39	45.7	00	03	21.4	24.3	02	23	364	15	46	200	164
22	06	51	816	07	22	228	588	08	00	88.9	07	14	09.3	79.6	20	52	424	08	08	-85	509
23	01	43	803	22	42	710	93	15	00	47.0	21	37	21.6	25.4	00	50	300	08	07	201	99
24	23	41	814	17	54	715	99	15	35	46.6	20	31	23.5	23.1	24	00	278	15	50	180	98
25	00	19	790	18	36	714	76	14	58	42.6	20	26	26.6	16.0	00	08	294	09	03	173	121
26 Q	13	28	765	18	21	717	48	15	14	40.7	21	57	26.3	14.4	02	24	215	14	22	191	24
27 D	23	16	805	16	47	658	147	11	12	61.0	23	08	19.4	41.6	23	27	278	10	53	76	202
28 D	05	13	939	07	35	134	805	07	27	74.4	06	49	11.7	62.7	07	21	316	09	30	-14	330
29	01	07	798	04	42	671	127	05	35	47.5	04	39	18.3	29.2	03	42	251	04	36	108	143
30	02	16	787	08	58	704	83	07	10	44.6	23	25	22.9	21.7	02	16	284	08	49	96	188
31 Q	00	40	776	18	03	717	59	14	53	46.3	00	03	24.8	21.5	02	22	230	08	49	115	115
Mean			824			606	218			51.2			15.8	35.4			288			111	177
No. days			31			31	31			31			31	31			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 21 Meanook $H = 12,000\ \gamma +$ June 1942

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	757	755	754	748	752	757	760	759	757	752	745	763	764	764	762	760	754	741	731	717	724	731	741	745	750
2 Q	752	761	761	758	756	756	751	753	758	763	766	767	767	766	764	770	770	762	753	746	742	732	731	739	756
3	752	762	753	757	756	761	764	766	714	747	743	788	771	755	739	742	753	747	739	741	741	739	718	743	750
4	778	769	749	751	749	744	745	742	742	742	751	756	760	759	757	749	740	739	735	732	737	749	752	746	749
5	761	774	754	752	751	754	759	749	730	707	693	729	747	760	755	750	752	750	747	748	747	749	754	755	747
6	753	765	766	750	756	756	749	754	764	756	664	728	750	764	768	757	740	732	729	729	730	739	745	747	745
7 Q	748	750	750	746	749	747	742	735	730	731	734	742	748	758	756	744	730	719	713	713	720	730	734	740	738
8	763	773	769	758	758	753	756	761	759	760	762	765	744	748	765	760	747	742	736	734	730	736	737	744	752
9 Q	752	756	758	756	752	751	753	750	754	755	755	761	765	768	769	766	755	742	738	736	740	745	758	764	754
10 Q	758	758	758	759	754	754	754	754	759	762	768	773	776	776	775	762	748	734	727	734	737	744	754	769	756
11 D	773	772	780	778	772	780	832	796	815	798	775	777	794	755	678	720	693	684	699	690	706	752	764	755	756
12	808	810	762	761	758	748	747	742	730	575	360	624	709	750	748	741	691	796	706	720	729	731	743	751	718
13 D	768	807	788	754	757	748	745	729	699	653	644	683	777	764	755	748	781	709	707	716	679	747	781	821	740
14	790	765	788	768	771	761	719	726	701	642	678	741	702	591	744	742	739	727	729	720	728	748	735	750	729
15	767	774	758	751	750	745	741	748	747	745	737	743	741	741	755	755	744	744	737	728	743	743	742	737	746
16	762	770	789	780	758	758	743	744	738	749	741	704	731	753	751	744	731	729	725	715	722	731	732	744	744
17	761	754	766	780	828	804	751	721	672	591	681	671	670	667	776	751	756	752	749	756	741	738	741	762	735
18	767	780	790	781	758	758	759	744	732	653	753	757	759	762	769	771	763	757	751	748	738	735	741	744	753
19 D	771	765	749	755	752	757	758	766	765	764	771	746	685	596	600	686	701	714	736	748	744	743	751	763	733
20	768	762	785	807	831	817	761	715	597	671	680	691	729	765	763	761	775	754	754	749	734	729	729	751	745
21	762	765	758	771	752	728	741	742	741	743	742	743	744	754	755	764	757	751	743	736	731	724	722	734	746
22 Q	746	753	760	758	747	747	752	752	748	754	746	760	756	761	775	776	760	744	724	718	721	729	745	746	749
23	758	755	760	757	756	763	768	762	768	769	768	761	775	783	782	766	753	736	729	727	736	737	757	775	758
24	796	868	852	783	743	742	750	766	775	737	740	743	757	759	739	727	720	722	719	722	729	743	762	766	757
25	785	809	838	815	785	791	760	745	745	746	750	751	750	747	737	722	730	726	719	722	731	733	733	739	754
26	755	763	761	754	748	755	755	755	749	747	747	751	753	750	738	733	730	721	712	717	724	733	743	761	744
27	761	754	754	760	755	748	748	749	750	753	751	752	754	756	755	751	742	740	730	726	726	734	741	746	747
28	753	759	758	758	751	752	750	734	625	708	758	760	749	734	730	713	689	711	718	734	733	738	741	781	735
29 D	796	767	752	874	811	813	760	675	652	718	745	746	724	738	761	752	738	720	685	728	721	726	747	749	746
30 D	770	800	834	845	717	710	755	672	614	604	732	730	729	736	729	730	735	729	726	726	732	735	732	737	732
31																									
Mean	766	772	772	771	761	759	754	744	728	720	723	740	746	743	748	747	741	736	728	729	730	737	744	754	746

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 22 Meanook D = 25° E + . . . ′ June 1942

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	29.2	30.2	30.5	30.5	30.1	29.8	32.0	33.3	29.9	31.3	31.2	35.2	38.2	39.9	40.7	41.5	42.5	37.8	34.3	28.5	24.8	23.3	23.4	24.5	32.2
2 Q	27.4	29.3	30.5	32.3	31.3	31.8	31.2	32.1	33.0	32.9	33.1	34.2	36.1	38.9	41.8	43.7	43.7	41.7	38.9	36.0	32.2	28.0	25.0	25.4	33.8
3	27.7	29.3	30.7	31.2	31.0	30.5	31.0	32.6	32.0	37.0	40.7	40.1	40.8	40.8	43.5	44.7	43.8	41.4	33.6	30.6	29.0	27.6	26.1	24.6	34.2
4	26.1	29.8	30.6	31.4	32.1	32.3	33.1	31.7	30.0	29.9	32.4	33.9	36.0	37.9	40.2	42.2	41.7	39.9	35.8	28.9	26.0	24.6	24.3	24.1	32.3
5	25.5	27.0	28.3	26.3	28.5	28.4	31.1	35.2	34.0	36.6	32.9	35.9	40.8	40.7	41.1	42.0	38.7	36.3	35.6	32.1	28.9	29.6	28.2	26.3	32.9
6	28.9	29.8	31.4	36.5	32.3	33.1	35.2	33.8	30.8	30.3	24.4	40.6	40.1	43.4	43.5	42.0	39.6	35.9	32.9	28.6	26.0	26.6	26.7	26.8	33.3
7 Q	27.1	27.6	29.3	32.3	36.9	33.8	32.4	32.1	35.9	33.9	32.8	34.8	37.4	39.1	40.6	41.0	39.9	37.2	34.1	29.8	27.4	26.4	25.6	26.3	33.1
8	27.3	28.4	34.4	30.2	30.1	29.9	29.2	29.1	31.0	32.1	32.8	27.3	32.3	36.7	38.9	39.0	39.1	37.9	35.4	32.1	28.9	27.5	27.1	28.2	31.9
9 Q	29.1	29.1	29.5	31.0	31.4	31.2	31.3	32.2	33.1	33.0	33.3	35.5	37.9	40.7	40.8	41.8	39.6	36.9	33.3	29.4	27.2	25.0	24.8	25.0	32.6
10 Q	26.0	29.0	30.7	31.2	30.4	30.5	30.6	32.0	31.9	32.2	32.6	34.3	37.5	39.2	41.2	41.4	40.9	38.6	36.6	31.8	27.4	25.4	25.4	25.5	32.6
11 D	24.5	27.0	27.7	27.0	26.8	26.7	33.3	26.3	27.5	34.9	36.6	43.9	42.8	44.5	43.6	43.5	43.9	34.8	31.3	23.8	23.1	22.1	24.0	22.6	31.8
12	22.5	24.6	24.5	27.7	41.5	40.9	39.1	33.2	36.3	31.4	36.6	32.3	39.7	43.7	46.8	44.9	38.2	34.1	31.7	29.0	29.1	28.3	27.7	28.2	33.8
13 D	28.8	32.2	34.1	30.3	31.7	34.8	30.2	34.4	36.2	27.9	34.1	32.0	35.2	39.7	42.4	43.5	42.3	33.1	34.3	32.6	20.3	22.6	24.6	27.3	32.7
14	24.1	23.0	26.0	28.4	35.4	42.3	34.4	34.8	29.6	30.8	26.2	33.4	36.2	34.0	38.7	42.3	42.3	39.6	32.2	31.4	27.1	27.4	26.3	27.3	32.2
15	27.3	28.2	31.2	31.8	31.9	34.1	31.8	32.9	33.1	32.8	34.0	36.2	39.3	42.6	43.4	43.3	41.5	41.0	37.6	32.2	31.5	29.0	27.8	27.5	34.2
16	28.5	31.5	33.2	35.6	33.6	33.9	37.2	35.7	37.1	33.9	33.0	27.7	32.7	37.9	39.6	41.2	41.6	40.1	36.7	30.7	26.4	24.6	23.4	23.5	33.3
17	26.0	29.3	32.1	32.5	31.7	34.3	39.6	40.1	48.2	43.1	36.4	33.3	36.1	37.2	43.0	41.6	40.1	38.1	37.2	34.3	30.9	28.4	26.3	28.6	35.4
18	29.0	29.8	30.5	28.3	30.2	34.8	37.6	34.8	37.0	33.0	35.1	34.0	36.7	40.9	42.3	42.5	40.5	38.7	34.6	32.1	30.7	29.7	28.9	27.5	34.1
19 D	26.1	27.3	28.5	28.9	28.9	29.0	30.5	31.7	32.1	34.0	33.6	33.2	37.9	42.8	43.8	41.1	44.7	35.1	33.3	32.2	30.5	27.5	24.9	23.6	32.6
20	24.0	25.4	28.6	33.0	37.7	33.6	37.0	37.7	47.5	34.8	34.4	32.9	38.7	40.8	39.6	39.9	41.6	40.6	38.1	35.2	33.1	29.6	26.4	26.0	34.8
21	27.5	30.1	31.8	32.4	36.7	40.6	35.1	32.6	31.2	30.4	31.1	33.0	35.9	40.4	41.7	43.5	43.3	41.4	38.6	34.9	32.2	30.4	29.4	29.1	34.7
22 Q	29.0	29.8	31.0	32.1	31.8	31.5	31.8	39.3	36.2	33.2	35.4	35.0	36.3	39.1	41.6	41.9	40.5	38.4	37.2	31.9	27.3	27.2	25.6	25.3	33.7
23	25.4	25.9	26.8	28.3	28.3	27.8	28.9	29.7	29.8	31.3	33.0	35.0	39.8	42.9	44.9	43.7	43.7	42.8	32.6	22.8	21.5	20.4	22.0	25.6	31.4
24	26.3	27.3	23.1	26.7	28.3	28.3	28.3	27.9	31.4	32.1	33.1	37.1	40.6	42.4	44.2	39.9	38.5	35.6	33.1	30.1	28.9	27.9	27.7	26.6	31.9
25	25.9	23.6	21.6	23.5	26.8	30.0	26.8	28.1	28.9	30.5	31.8	34.3	37.0	39.8	42.2	40.9	37.7	36.8	31.8	29.4	27.3	26.0	25.7	28.1	30.6
26	29.8	30.0	30.2	30.1	30.4	28.1	28.3	28.1	29.5	30.5	32.2	35.4	38.2	40.9	40.8	40.6	39.0	36.9	31.9	29.8	27.3	26.2	24.8	24.6	31.8
27	25.9	27.3	28.2	28.9	36.2	33.2	30.5	30.8	31.1	31.4	33.1	34.9	37.9	41.0	41.7	41.8	41.7	39.3	34.1	29.8	27.9	27.6	27.5	27.5	32.9
28	28.9	29.8	30.7	31.6	32.0	31.9	32.0	36.0	41.6	35.9	36.5	38.1	39.7	43.5	49.0	46.2	38.7	37.0	31.3	24.4	25.2	26.0	22.6	21.6	33.8
29 D	19.6	18.6	20.6	26.3	33.9	26.2	27.3	26.8	27.1	31.3	34.0	34.3	36.8	40.4	42.9	44.1	45.4	41.9	31.7	24.7	22.5	23.2	24.1	24.6	30.3
30 D	24.2	25.9	23.7	29.6	26.1	37.2	32.7	26.1	27.0	31.8	31.3	32.9	33.0	39.5	43.1	44.8	42.0	37.7	34.6	30.8	28.5	28.8	28.4	29.2	32.0
31																									
Mean	26.6	27.9	29.0	30.2	31.8	32.4	32.3	32.4	33.3	32.8	33.3	34.7	37.6	40.4	42.2	42.4	41.2	38.2	34.5	30.3	27.6	26.6	25.8	26.0	32.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 23 Meanook Z = 59,000 γ + June 1942

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	225	217	207	203	201	206	215	203	201	199	175	188	201	201	201	199	196	192	190	184	185	190	190	192	198
2 Q	196	201	201	201	202	201	200	199	197	197	199	201	201	201	198	196	193	190	186	187	188	190	192	196	196
3	201	204	200	199	200	201	201	195	089	093	032	139	175	176	131	143	144	154	162	174	175	183	190	206	165
4	241	231	202	200	201	196	185	171	173	161	188	197	199	198	197	190	187	185	184	185	186	190	199	196	193
5	209	225	221	226	212	210	201	175	151	138	113	152	185	192	198	195	189	179	175	174	173	177	187	197	186
6	209	207	213	205	199	197	196	194	199	183	073	123	167	179	191	185	180	179	179	180	183	185	189	197	183
7 Q	202	201	199	201	201	204	211	203	184	173	176	190	196	200	199	197	190	188	185	186	188	195	199	201	194
8	201	206	214	201	199	199	199	199	199	198	196	196	171	155	173	187	187	185	185	186	188	190	191	192	192
9 Q	196	196	197	195	193	192	192	172	171	174	179	189	184	184	183	180	179	177	176	177	179	181	185	190	184
10 Q	192	189	188	187	187	187	186	188	188	189	189	190	191	190	189	189	187	184	179	180	186	191	197	200	188
11 D	188	190	201	203	201	203	205	195	201	189	171	173	185	150	069	090	114	113	138	147	195	230	222	223	175
12	264	273	253	244	239	186	176	185	160	075	058	083	133	165	180	188	158	162	179	180	183	188	192	198	179
13 D	203	251	249	232	223	167	201	177	158	074	062	176	199	195	190	191	179	190	190	204	219	226	231	253	193
14	238	223	264	238	237	199	117	113	082	062	081	135	134	104	182	188	191	199	194	190	190	210	202	203	174
15	206	214	213	217	214	216	206	199	143	155	163	177	179	183	190	192	190	180	179	179	184	185	187	191	189
16	200	224	242	250	226	220	180	154	162	166	173	153	165	185	191	191	189	187	189	191	191	199	201	202	193
17	215	240	206	212	257	273	205	135	079	037	118	175	170	162	188	186	183	179	178	177	176	186	190	201	180
18	223	261	261	238	219	199	165	188	125	003	136	176	190	197	196	196	186	183	183	182	180	180	183	188	185
19 D	212	214	205	200	191	190	192	199	195	188	186	171	099	044	013	113	145	179	197	187	201	215	229	232	175
20	224	233	250	264	264	262	214	161	114	074	098	119	147	192	201	197	200	207	196	195	203	210	207	214	194
21	223	229	238	248	251	214	223	211	200	198	190	183	183	188	197	201	199	187	184	184	185	192	201	202	205
22 Q	201	201	200	201	201	201	201	174	174	173	154	175	186	186	187	190	188	179	177	178	179	185	192	197	187
23	201	201	192	190	188	190	200	198	195	190	171	148	169	184	187	184	179	178	179	177	186	187	190	199	186
24	226	304	319	294	233	206	201	153	090	162	182	188	201	199	186	190	189	189	187	177	178	189	201	223	203
25	250	280	309	294	277	254	214	201	198	199	201	201	196	190	185	178	176	176	177	179	179	179	179	185	211
26	190	198	207	211	212	216	212	200	199	178	177	190	201	193	182	176	170	173	177	176	180	190	191	195	191
27	204	204	206	225	218	210	201	197	189	189	188	189	189	183	182	182	179	173	166	164	162	169	178	182	189
28	190	190	190	193	202	211	197	147	004	093	139	163	169	158	137	124	118	133	165	179	180	192	201	218	162
29 D	261	309	307	298	236	229	199	127	159	166	183	190	165	170	190	195	190	184	178	179	172	174	187	199	202
30 D	232	261	280	192	045	147	201	188	157	099	164	173	177	184	163	160	176	170	174	185	190	201	204	206	180
31																									
Mean	214	226	228	222	211	206	196	180	158	146	150	170	177	176	175	179	178	178	180	181	185	192	196	203	188

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook — June 1942

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	05	41	768	19	14	713	55	16	27	43.6	22	01	22.7	20.9	06	42	220	10	45	166	54
2 Q	16	07	772	21	33	728	44	16	06	44.9	22	53	24.4	20.5	06	13	206	18	50	185	21
3	11	51	797	08	36	684	113	15	00	48.8	23	51	23.5	25.3	24	00	220	10	17	0	220
4	01	31	778	19	35	726	52	15	10	42.9	23	19	23.0	19.9	00	58	256	09	12	137	119
5	01	15	779	10	28	676	103	16	05	44.2	23	41	25.4	18.8	03	14	232	10	34	95	137
6	02	16	779	10	38	608	71	11	41	45.0	10	32	13.7	31.3	06	32	215	10	37	7	208
7 Q	13	42	765	18	52	711	54	15	11	41.8	22	30	25.4	16.4	06	30	217	09	28	160	57
8	01	50	782	12	52	723	59	16	15	40.1	22	00	26.4	13.7	02	10	222	12	57	141	81
9 Q	14	40	775	07	37	740	35	15	36	42.7	22	30	24.6	18.1	02	30	198	07	31	152	46
10 Q	13	10	780	18	01	722	58	15	55	42.3	21	50	24.9	17.4	23	10	201	18	30	178	23
11 D	06	28	942	14	24	609	333	13	32	58.2	07	47	11.9	46.3	21	38	243	14	42	0	243
12	01	06	837	10	47	301	536	10	29	58.2	09	57	19.9	38.3	02	03	298	10	46	-6	304
13 D	23	03	850	10	02	552	298	15	35	46.0	20	32	13.4	32.6	01	40	275	10	01	-32	307
14	04	03	941	13	32	522	419	05	44	63.9	04	58	13.9	50.0	02	50	312	09	55	31	281
15	01	31	783	19	09	717	66	14	11	44.5	00	45	25.4	19.1	03	42	228	08	27	121	107
16	02	20	798	11	37	685	113	06	07	51.4	22	17	22.7	28.7	03	15	257	06	53	114	143
17	04	33	867	09	47	508	359	09	45	66.2	22	24	25.0	41.2	04	50	300	09	02	-4	304
18	02	05	821	09	22	584	237	05	56	47.6	09	21	24.7	22.9	04	07	291	09	25	-69	360
19 D	00	57	811	13	54	525	286	14	25	52.4	22	00	20.5	31.9	22	58	243	14	46	-52	295
20	04	02	862	08	24	397	465	08	47	74.5	00	51	23.4	51.1	05	27	279	09	09	23	256
21	03	53	780	05	01	705	75	05	02	52.1	00	10	26.9	25.2	04	05	277	13	12	179	98
22 Q	14	53	783	19	14	715	68	07	31	43.5	23	00	24.9	18.6	03	30	206	10	08	145	61
23	13	04	791	19	46	716	75	14	32	47.4	21	16	19.8	27.6	00	48	204	11	36	141	63
24	01	41	916	08	41	679	237	14	41	46.1	02	37	20.7	25.4	01	43	336	08	48	54	282
25	02	41	855	22	36	707	148	15	00	43.3	02	27	16.7	26.6	02	42	326	15	37	174	152
26	01	39	777	18	24	698	79	14	10	42.6	07	59	22.1	20.5	05	16	226	09	53	162	64
27	04	12	780	20	13	717	63	15	36	44.4	00	01	24.6	19.8	03	21	232	19	00	161	71
28	23	52	811	08	54	581	230	08	00	55.4	23	43	20.5	34.9	24	00	239	08	14	-58	297
29 D	03	16	940	07	52	464	476	16	47	47.4	07	46	14.8	32.6	02	01	326	07	46	-6	332
30 D	03	13	1035	08	58	458	577	15	18	47.2	07	41	08.6	38.6	03	10	318	04	18	-102	420
31																					
Mean			828			629	199			49.0			21.2	27.8			253			73	180
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 25 Meanook $H = 12,000\ \gamma +$ July 1942

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	767	765	784	786	777	675	559	555	482	534	516	662	762	763	761	762	767	753	731	734	742	724	722	734	701
2 Q	745	743	750	747	745	745	745	743	741	745	747	743	745	743	745	743	743	739	723	726	728	739	745	750	742
3 Q	752	751	757	750	749	754	750	742	749	742	725	748	758	758	756	753	745	741	734	725	722	720	727	738	744
4 Q	747	749	746	744	745	745	746	746	750	749	750	752	753	752	752	752	750	743	733	731	734	736	743	742	745
5 Q	747	753	750	750	752	757	760	760	764	765	762	760	746	745	773	764	757	756	739	742	747	739	755	761	754
6	760	742	749	753	750	750	761	730	743	765	774	778	780	781	766	741	728	732	735	745	747	754	756	754	753
7	745	746	753	751	746	748	761	755	753	752	753	743	745	753	760	750	743	726	729	725	729	739	739	765	746
8 D	792	789	791	781	767	762	722	669	487	498	239	586	676	693	729	760	756	728	703	727	754	765	761	803	697
9	801	803	810	759	732	738	738	741	743	740	727	748	748	743	747	737	711	701	708	715	724	739	724	755	743
10	751	744	757	755	749	747	745	739	743	741	748	751	752	757	755	747	739	725	716	711	724	717	746	772	743
11 D	794	785	749	758	764	547	341	328	370	399	352	303	290	278	325	507	739	768	756	739	738	754	760	770	580
12	746	756	753	804	892	859	733	775	764	621	563	584	752	783	776	764	747	740	725	714	707	721	729	733	739
13	753	756	763	753	757	764	722	726	733	759	743	741	750	754	750	728	734	734	737	739	739	743	763	746	745
14	754	762	743	741	749	753	746	746	719	698	757	741	761	757	739	741	739	743	741	737	733	741	770	774	745
15 D	746	748	754	775	767	739	738	669	366	649	762	746	707	716	678	729	716	716	761	755	754	732	763	791	720
16	808	774	757	757	754	764	752	737	544	562	586	531	608	697	733	757	748	741	741	735	757	763	754	765	714
17	785	802	746	747	739	737	740	732	750	732	691	584	725	763	753	746	739	742	752	750	742	731	732	743	738
18	749	732	746	747	746	748	748	738	725	739	738	703	747	761	761	761	760	750	740	737	734	733	732	735	742
19 Q	741	733	746	741	739	742	743	746	754	755	751	732	733	740	755	773	771	754	733	726	731	739	740	742	744
20 D	733	740	748	749	747	780	649	672	752	741	552	427	663	716	712	737	731	738	732	737	720	749	754	790	711
21	859	898	795	771	873	804	781	666	614	686	726	749	747	742	727	736	757	750	740	732	719	719	700	726	751
22	740	751	749	742	747	745	746	750	751	743	722	715	725	730	755	758	750	750	744	735	724	723	730	739	740
23	752	738	732	742	740	740	747	742	740	739	751	751	752	748	753	740	736	718	730	721	726	712	729	747	739
24	742	734	766	762	784	798	741	735	735	747	748	750	753	754	743	734	735	722	722	720	724	741	748	757	746
25	784	845	786	773	767	688	564	614	444	468	417	371	531	498	645	724	746	709	700	684	702	750	783	752	656
26	733	735	732	729	743	743	748	765	751	751	752	752	736	733	749	757	740	733	727	727	738	756	734	822	745
27 D	737	734	736	744	727	719	702	714	716	747	760	722	585	638	709	712	749	589	647	747	782	786	790	764	719
28	753	748	755	775	719	615	733	759	757	609	628	698	693	753	757	753	718	731	715	715	718	742	759	779	724
29	777	766	767	755	730	733	718	709	670	727	730	747	747	747	750	733	730	716	709	707	701	718	742	765	733
30	741	758	765	748	733	737	741	730	674	577	662	750	737	728	764	756	733	709	710	722	724	729	734	737	725
31	740	750	749	752	757	757	760	748	733	684	731	750	727	732	742	744	764	745	736	732	729	741	737	752	741
Mean	760	762	758	756	758	740	716	709	678	683	673	681	708	718	730	739	743	730	727	729	732	738	745	758	728

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26 Meanook D = 25° E + ... ′ July 1942

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	27.9	27.0	28.0	27.6	31.4	30.7	49.2	45.0	51.1	40.5	47.7	43.2	35.2	40.0	44.5	45.1	43.4	42.3	37.2	34.6	32.0	28.1	27.2	27.9	37.0
2 Q	30.0	30.7	31.4	32.0	33.6	33.7	35.4	31.4	31.5	31.9	32.0	31.7	36.0	39.5	40.7	40.7	41.1	40.3	37.2	32.4	27.3	25.5	24.7	25.1	33.2
3 Q	26.1	28.9	31.9	30.4	30.8	30.3	33.2	33.4	31.3	30.4	26.2	31.6	36.3	38.5	39.8	41.0	39.5	37.3	35.8	32.8	30.2	28.4	28.2	28.7	32.5
4 Q	29.7	31.1	31.4	31.3	31.4	31.5	31.9	31.9	30.9	32.6	33.7	34.8	36.7	38.3	39.1	39.1	38.0	37.0	34.2	31.1	28.6	26.1	25.0	25.7	32.5
5 Q	28.0	28.9	29.9	29.8	29.7	29.8	30.0	31.2	32.9	33.8	32.4	32.3	35.1	38.7	42.9	41.4	41.7	40.0	35.4	31.5	28.3	26.5	26.1	26.0	32.6
6	25.9	27.1	27.5	28.5	28.9	30.0	29.1	28.6	34.8	36.9	37.6	37.8	40.1	40.6	41.6	41.9	39.9	34.6	31.1	29.1	26.5	25.9	26.2	25.8	32.3
7	24.8	27.2	28.2	28.8	29.4	28.8	33.1	30.5	32.0	32.0	33.2	34.3	33.0	36.8	40.6	41.0	37.9	36.7	34.7	33.6	28.3	23.9	21.7	22.3	31.4
8 D	22.0	22.6	23.6	23.6	24.6	29.8	33.5	32.7	38.2	38.7	56.2	44.1	39.1	42.5	45.1	45.1	43.5	38.9	34.5	28.9	24.6	25.1	25.4	24.2	33.6
9	21.7	23.0	25.4	26.4	29.6	29.4	30.3	31.0	31.2	30.1	27.5	31.0	35.4	37.9	42.0	41.9	41.6	34.5	26.5	26.3	26.3	26.5	23.8	25.1	30.2
10	29.6	31.0	31.3	33.4	36.9	43.0	32.8	29.1	29.2	30.3	31.0	33.0	37.7	40.7	41.8	42.2	40.6	37.1	34.9	31.9	28.7	25.6	25.6	20.9	33.3
11 D	19.6	22.6	26.0	30.9	31.5	49.9	53.2	45.9	61.8	64.3	63.3	59.6	45.2	60.5	55.7	48.8	36.7	40.8	36.4	28.2	23.8	23.4	23.4	25.2	40.7
12	26.8	25.7	29.4	28.3	29.5	29.1	43.5	31.2	29.7	31.0	47.9	31.6	38.4	43.7	47.4	47.5	44.2	40.8	37.0	33.2	26.2	25.3	25.3	26.3	34.1
13	27.9	29.4	29.3	33.7	30.7	38.0	36.0	38.8	39.7	33.7	31.2	34.2	36.3	41.1	41.2	40.6	39.6	37.4	30.8	27.8	27.5	27.4	27.5	27.9	33.6
14	29.2	30.7	34.4	34.4	32.3	37.2	34.6	30.1	39.3	28.9	30.8	33.8	38.8	43.0	41.0	41.3	41.0	37.9	34.2	31.3	27.0	27.2	28.9	30.4	34.1
15 D	28.8	29.6	30.4	33.2	45.8	35.3	34.6	30.5	32.9	33.4	33.5	36.1	35.6	37.3	36.5	38.0	44.2	38.0	30.2	29.3	28.2	20.4	26.6	27.4	33.2
16	34.0	28.6	30.0	32.1	34.2	34.5	30.1	31.3	33.8	19.0	39.3	32.8	27.5	34.0	38.6	40.8	40.3	36.2	33.8	28.9	27.5	27.2	28.0	27.5	32.1
17	27.6	36.9	28.8	30.6	33.6	45.6	35.0	34.5	37.0	32.2	28.9	20.5	30.8	36.6	39.0	40.3	41.3	39.8	36.0	31.9	28.8	27.5	27.7	29.8	33.4
18	31.7	33.0	33.8	32.5	32.4	32.6	33.8	46.7	40.7	36.2	33.4	27.6	28.4	39.6	40.9	41.6	41.5	40.3	35.6	32.6	29.8	27.0	27.0	27.5	34.4
19 Q	29.7	31.7	32.7	30.6	31.5	31.6	31.6	31.9	32.1	32.3	31.6	33.5	39.0	43.4	47.1	46.9	44.1	41.4	37.1	33.8	29.8	26.8	26.0	27.6	34.3
20 D	28.7	29.3	29.3	28.7	27.9	26.6	23.9	38.1	28.7	34.5	37.4	40.0	46.1	41.2	45.1	42.2	40.0	39.3	37.2	34.7	26.8	26.0	23.8	19.8	33.1
21	20.0	33.0	26.7	26.1	31.7	33.1	29.5	25.4	25.8	34.8	35.2	33.6	36.4	38.6	40.3	42.6	42.3	40.6	37.8	34.4	29.6	27.6	26.5	26.3	32.4
22	26.6	28.7	30.2	30.1	29.8	31.3	32.9	34.4	35.5	33.3	33.7	33.5	33.7	33.5	39.8	41.8	41.6	40.0	35.3	31.2	29.4	27.1	25.7	25.8	32.7
23	28.5	30.5	30.8	30.7	30.8	30.7	39.8	38.5	33.5	31.6	33.4	33.9	36.2	37.5	39.1	39.9	37.5	37.6	34.0	29.9	27.3	23.8	26.1	27.8	32.9
24	29.0	29.7	30.5	33.5	35.3	32.0	31.6	32.3	33.3	32.6	33.3	35.7	38.0	41.1	41.2	42.5	40.0	38.4	36.1	31.9	24.8	22.9	22.1	21.9	32.9
25	22.5	27.4	36.1	32.2	37.7	31.9	32.4	32.7	18.1	25.6	33.9	44.0	27.8	42.6	41.6	40.2	39.4	38.2	33.6	23.7	19.8	19.6	23.7	25.4	31.2
26	27.8	30.6	31.8	31.7	30.9	31.0	31.7	32.3	29.7	30.2	32.6	35.5	38.0	41.9	43.8	45.3	42.8	39.8	35.9	30.8	27.8	26.6	18.8	18.9	32.8
27 D	22.0	35.3	27.7	24.0	25.9	29.7	37.9	40.1	42.9	45.9	42.8	31.8	36.3	29.9	32.1	35.8	32.8	39.5	34.2	39.4	57.1	42.5	27.6	23.8	34.9
28	25.3	28.6	32.7	35.3	38.4	23.1	41.8	32.5	29.3	27.4	23.4	31.2	36.8	36.0	41.2	42.6	40.6	37.1	32.8	32.2	27.3	25.6	24.7	25.0	32.1
29	35.1	32.6	31.3	34.2	29.9	41.7	32.4	28.4	38.2	37.4	31.5	31.9	37.7	42.6	43.6	43.5	41.3	40.2	36.3	32.5	29.9	29.8	29.4	28.0	35.0
30	31.4	31.5	33.0	43.5	30.2	30.6	31.5	32.1	38.2	33.0	29.5	34.0	37.6	35.7	41.1	43.8	41.3	37.8	35.5	31.6	30.4	28.6	28.6	27.4	34.1
31	27.5	32.4	28.8	28.9	33.8	37.4	31.8	33.2	31.4	25.4	32.5	35.0	35.2	37.2	38.4	38.4	39.5	38.5	36.4	33.3	30.8	29.4	28.3	28.0	33.0
Mean	27.3	29.5	30.1	30.9	31.9	33.2	34.4	33.7	34.7	33.5	35.4	35.0	36.3	39.7	41.7	42.1	40.6	38.6	34.8	31.4	28.7	26.6	25.8	25.8	33.4

S6659—5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook $Z = 59,000\ \gamma +$ July 1942

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	226	219	229	236	228	-010	-020	032	-043	003	-019	-014	152	187	182	186	195	190	187	186	198	200	192	195	138
2 Q	194	192	194	200	210	206	200	174	158	176	176	170	178	174	176	173	168	171	173	174	176	187	198	202	183
3 Q	202	201	199	189	188	189	200	199	188	178	139	168	185	182	179	179	178	174	171	171	175	174	176	182	182
4 Q	187	188	187	186	184	183	182	182	182	170	183	181	183	183	183	175	172	172	173	172	173	173	174	174	179
5 Q	174	178	178	178	179	179	179	183	165	161	168	162	150	133	162	175	175	170	164	165	174	173	178	186	170
6	185	181	181	179	178	181	178	086	058	118	162	171	168	161	159	156	159	154	149	148	149	161	177	191	158
7	191	186	178	177	177	175	171	174	165	168	166	158	146	146	165	165	162	157	156	156	157	164	160	168	166
8 D	196	242	254	240	265	198	139	098	097	200	228	209	116	166	168	182	169	170	182	182	199	202	211	222	189
9	227	201	198	196	191	179	176	175	166	168	135	171	177	168	165	165	156	158	165	164	168	191	188	208	177
10	223	199	194	201	211	171	176	170	170	170	177	177	175	175	173	165	163	157	157	158	161	161	168	199	177
11 D	252	227	209	208	212	092	-202	-013	177	339	-013	049	207	023	-188	-073	153	194	196	194	194	194	194	194	126
12	177	178	213	239	249	181	081	187	184	049	-076	-033	140	198	197	185	174	172	173	182	177	178	183	186	157
13	195	195	195	198	189	200	117	100	132	159	164	173	183	183	177	165	158	162	166	168	177	183	200	189	172
14	195	200	205	200	200	200	198	177	147	150	168	174	184	179	164	150	163	172	176	176	179	192	212	244	184
15 D	190	189	191	218	187	179	159	103	-139	-045	104	126	131	121	105	125	147	165	183	183	184	137	178	182	138
16	164	216	227	222	213	174	178	152	024	-080	-035	022	039	094	126	169	169	168	172	173	180	196	215	213	141
17	217	209	184	176	184	170	174	158	148	139	115	000	126	173	178	174	165	163	173	177	182	176	176	187	164
18	191	187	190	182	174	175	179	165	090	113	134	095	163	170	177	173	174	172	170	166	166	168	173	175	163
19 Q	182	178	191	182	176	177	177	175	171	171	161	118	099	106	116	144	158	156	157	153	157	164	166	168	158
20 D	175	171	176	183	184	198	200	191	168	157	081	101	078	135	125	170	178	175	176	176	181	200	237	251	169
21	287	281	265	297	284	243	221	117	038	028	084	169	171	168	146	143	154	160	156	157	159	166	170	171	176
22	182	190	183	179	187	184	172	139	171	172	148	132	126	147	169	172	171	169	168	166	165	166	170	173	167
23	197	185	179	179	181	179	164	120	154	143	146	168	168	165	163	159	157	156	157	159	169	165	166	178	165
24	179	178	187	208	230	244	188	170	154	158	166	173	176	170	164	162	159	157	149	151	161	169	178	200	176
25	242	287	254	236	198	146	126	116	115	115	142	225	099	051	137	157	177	175	181	181	194	200	211	213	174
26	188	189	182	178	183	198	195	198	186	178	176	173	157	134	150	157	149	145	144	146	157	175	192	243	174
27 D	238	249	248	204	195	181	170	160	152	164	166	137	027	-001	052	051	148	132	178	125	168	209	224	224	158
28	219	202	204	222	157	-080	200	199	191	180	189	186	160	170	176	176	168	167	159	167	183	189	188	196	174
29	218	219	209	186	191	161	061	056	042	063	122	165	179	178	177	168	165	158	159	160	168	169	181	190	156
30	200	197	197	200	182	176	150	132	034	005	060	139	161	124	163	168	160	156	159	159	160	172	184	185	151
31	195	202	198	195	178	153	195	174	154	096	124	153	154	160	169	168	175	164	164	166	166	174	176	178	168
Mean	203	204	202	202	198	167	151	144	122	128	124	135	147	146	147	154	165	165	168	167	173	178	187	196	166

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook — July 1942

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	05	25	927	08	20	214	713	06	34	78.5	05	49	-07.9	86.4	03	36	297	05	49	-283	580
2 Q	22	44	758	18	33	719	39	15	52	43.4	22	30	24.6	18.8	05	00	216	08	25	144	72
3 Q	01	00	766	10	17	704	62	15	00	41.6	10	17	21.7	19.9	06	54	211	10	27	113	98
4 Q	15	35	754	19	00	727	27	15	44	39.8	22	31	24.3	15.5	01	48	191	09	08	149	42
5 Q	14	28	780	13	22	733	47	14	17	43.9	23	43	25.0	18.9	12	46	195	13	40	129	66
6	13	03	785	07	39	671	114	15	58	44.3	07	38	21.5	22.8	23	08	200	08	00	10	190
7	23	59	784	19	52	715	69	14	59	42.5	22	54	20.3	22.2	00	32	196	13	01	140	56
8 D	05	41	929	10	25	56	873	10	32	74.4	00	57	18.0	56.4	09	43	465	07	56	18	447
9	02	22	829	16	10	693	136	14	44	44.0	00	01	19.5	24.5	23	59	232	10	30	113	109
10	00	02	829	19	35	708	121	05	12	51.3	23	43	16.8	34.5	00	08	243	05	22	147	96
11 D	00	20	810	13	40	41	769	09	33	75.6	12	16	05.2	70.4	09	04	689	14	35	-252	941
12	04	24	958	10	48	347	611	10	43	67.9	11	24	21.4	46.5	04	00	280	09	59	-163	443
13	05	17	805	06	52	678	127	05	45	57.5	06	41	21.8	35.7	06	34	228	07	00	71	157
14	23	46	814	09	43	658	156	13	21	45.9	23	00	25.5	20.4	23	40	259	15	55	134	125
15 D	03	58	849	08	48	231	618	04	08	58.2	21	44	13.3	44.9	03	55	231	08	54	-331	562
16	00	32	822	08	41	373	449	11	02	58.0	09	13	04.7	53.3	00	28	269	09	15	-155	424
17	01	01	856	11	19	475	381	05	19	54.7	11	12	08.4	46.3	01	10	230	11	19	-65	295
18	07	54	767	11	34	662	105	07	54	56.2	11	26	22.7	33.5	00	15	200	11	34	69	131
19 Q	15	54	781	19	35	721	60	14	25	48.6	22	12	25.3	23.3	02	50	200	11	43	93	107
20 D	05	50	818	10	55	236	582	11	10	53.8	06	26	11.5	42.3	23	01	275	10	56	-51	326
21	04	31	977	08	25	569	408	16	32	45.6	00	17	16.6	29.0	03	19	352	09	29	11	341
22	07	10	779	11	46	691	88	17	01	45.1	22	42	24.4	20.7	01	22	202	12	42	101	101
23	06	43	778	21	26	704	74	06	50	55.1	21	02	21.9	33.2	00	45	208	06	59	73	135
24	05	12	836	17	34	713	123	15	29	44.7	22	17	20.6	24.1	05	16	264	08	26	143	121
25	01	31	860	11	28	-84	944	10	52	97.8	09	50	-04.4	102.2	01	59	324	13	17	1	323
26	23	44	858	22	25	709	149	15	41	46.2	23	02	16.0	30.2	23	51	257	13	12	126	131
27 D	01	49	873	18	00	365	508	20	36	64.6	00	14	15.7	48.9	02	20	272	12	58	-41	313
28	03	55	79.6	05	30	558	238	05	25	58.1	05	05	-06.3	64.4	03	54	266	05	11	-134	400
29	01	04	802	08	47	623	179	05	28	59.3	07	14	16.2	43.1	01	06	253	08	52	-7	260
30	02	52	779	09	33	506	273	02	58	49.6	07	53	22.0	27.6	03	01	214	09	37	-48	262
31	06	04	779	09	41	621	158	05	22	43.7	09	44	18.0	25.7	00	50	205	09	44	31	174
Mean			824			527	297			54.5			16.3	38.2			262			9	253
No. days			31			31	31			31			31	31			31			31	31

86659—51

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Meanook H = 12,000 γ + August 1942

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	755	746	756	772	746	740	742	745	743	743	740	744	748	751	755	751	740	734	740	740	732	733	747	747	745
2	740	739	745	747	740	744	747	752	754	766	759	754	750	744	739	747	742	734	738	736	737	740	741	745	745
3	741	752	757	751	751	748	742	745	741	736	754	754	749	747	744	741	738	726	725	723	729	740	740	728	742
4 Q	732	745	740	740	742	743	741	745	746	746	744	737	737	749	754	741	727	719	718	718	724	726	738	747	737
5	741	739	736	741	751	752	748	744	749	748	741	739	749	750	748	745	738	729	717	713	724	735	737	739	740
6	750	744	738	738	743	745	745	746	751	753	752	751	738	745	729	704	715	714	714	708	723	755	783	791	741
7	811	804	789	756	745	749	721	725	706	636	458	574	749	760	749	745	741	723	723	719	708	723	719	727	719
8 Q	749	749	739	740	736	735	740	740	739	732	739	746	750	747	740	733	718	701	716	716	721	725	728	735	734
9	746	749	749	742	745	747	753	757	763	764	767	766	758	728	741	742	742	735	727	733	736	746	755	763	748
10 D	757	752	752	736	770	791	547	632	744	757	757	753	664	707	782	714	742	724	684	666	755	764	752	754	727
11	753	752	743	781	748	779	754	515	559	630	682	736	715	745	755	757	745	741	736	733	737	743	748	761	723
12	745	744	747	748	752	744	724	509	656	684	577	681	733	759	763	754	745	735	738	733	733	742	749	731	718
13 Q	741	744	757	756	751	754	750	748	746	748	746	746	747	748	748	743	732	724	717	715	717	724	746	746	741
14	754	747	746	741	747	745	747	747	731	719	739	726	741	750	758	756	736	716	714	723	731	738	747	754	740
15	754	754	747	742	742	743	745	749	748	749	755	759	757	756	763	770	763	741	724	713	724	753	778	733	748
16 D	743	794	893	975	901	877	716	717	734	763	722	763	746	759	770	758	735	724	716	714	704	763	773	717	770
17	740	747	754	737	811	852	748	620	535	687	690	587	658	736	728	718	697	689	683	694	707	726	747	761	710
18 D	749	732	735	736	735	742	680	574	584	293	258	367	403	563	676	776	747	729	715	707	710	726	755	817	646
19 D	796	762	769	740	732	741	729	603	376	613	651	708	584	735	754	720	680	658	701	723	736	764	789	775	702
20	797	775	793	755	758	743	748	739	629	722	563	720	713	708	743	744	739	728	708	715	738	754	773	747	731
21	746	742	732	735	738	749	741	735	751	752	735	731	726	712	764	750	736	728	721	724	735	752	759	766	740
22	741	744	742	758	764	735	756	747	743	749	741	745	750	749	750	747	732	722	722	728	734	750	743	758	744
23 D	725	860	771	798	749	796	716	629	675	631	709	756	596	671	685	571	556	674	696	721	746	781	857	813	716
24	734	774	768	762	781	754	742	736	720	732	716	729	737	721	728	711	683	682	687	696	713	770	759	763	733
25	746	744	743	760	798	372	688	485	600	663	745	748	710	734	730	717	721	708	715	706	716	752	745	753	700
26	750	752	747	749	758	728	765	745	653	741	735	756	741	741	733	733	728	713	706	700	719	742	737	760	735
27	775	753	742	748	742	745	686	686	743	591	663	693	692	718	709	739	731	716	709	715	716	729	735	741	717
28 Q	744	740	741	745	746	747	752	745	716	734	742	750	754	754	755	746	726	708	697	699	708	721	732	751	736
29 Q	751	749	747	746	745	745	746	747	747	749	753	752	753	760	753	753	741	721	712	714	722	729	742	753	743
30	752	745	740	741	744	744	739	737	746	754	762	770	776	777	784	771	753	732	716	711	721	735	750	759	748
31	749	751	747	764	793	765	748	679	726	748	746	712	707	694	666	732	733	718	719	721	723	730	731	740	731
Mean	752	756	755	757	758	745	730	694	695	704	698	718	714	733	742	736	726	718	715	715	725	742	753	754	731

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 Meanook D = 25° E + ... ′ August 1942

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	27.1	28.0	28.0	33.9	35.8	29.7	31.6	33.4	34.1	33.5	33.7	34.8	37.1	39.2	40.2	40.3	40.3	38.2	33.7	29.9	27.2	27.9	29.6	29.5	33.2
2	29.6	29.5	30.7	30.5	32.8	35.2	31.5	31.0	32.9	33.6	34.4	35.9	38.0	37.9	40.4	41.1	39.3	33.8	30.3	27.1	27.6	27.3	27.2	28.9	32.8
3	29.4	27.1	26.2	29.3	29.3	30.8	30.9	31.3	35.6	33.9	35.6	35.4	37.2	37.1	36.8	38.3	38.8	39.9	37.2	32.2	28.2	26.8	27.7	31.1	32.8
4 Q	30.4	31.0	30.9	31.4	31.3	33.4	31.1	31.5	32.0	32.3	31.8	31.7	33.6	37.8	40.6	41.3	40.3	36.5	34.5	37.3	35.7	32.1	25.9	26.4	33.4
5	29.8	29.5	30.8	32.9	34.9	32.9	35.2	34.8	33.1	32.8	32.8	32.5	35.5	36.9	37.4	38.6	39.0	37.1	34.4	30.8	27.8	26.9	26.1	27.1	32.9
6	27.5	27.8	28.7	29.5	30.2	30.3	30.8	31.4	33.0	32.9	33.7	34.2	35.3	45.0	41.6	44.1	42.1	39.8	34.5	28.6	26.7	25.3	26.0	24.6	32.6
7	30.5	33.1	24.7	29.3	31.9	31.4	34.6	36.8	41.6	39.2	44.0	47.6	41.8	43.3	48.6	51.3	48.4	38.4	34.3	30.9	29.7	25.9	29.5	30.8	36.6
8 Q	31.8	31.3	33.3	31.4	30.8	32.6	33.5	32.4	31.8	31.4	32.7	33.2	35.6	37.8	39.6	39.5	36.2	32.5	29.2	26.6	25.7	26.9	28.7	29.1	32.2
9	32.5	32.0	31.6	33.2	32.0	32.2	33.1	31.6	32.3	33.1	35.3	32.4	35.0	40.1	42.2	43.7	39.7	35.0	31.8	30.2	28.4	28.3	28.7	30.3	33.5
10 D	30.1	30.9	30.4	31.2	29.0	29.2	36.8	42.5	37.6	35.7	34.6	38.9	46.4	53.4	46.7	45.7	28.1	32.4	32.6	16.9	13.4	22.3	24.8	27.7	33.2
11	30.3	31.1	30.6	33.9	37.4	38.0	36.7	29.6	27.9	29.7	36.1	20.6	38.4	43.5	45.3	41.9	39.8	36.5	33.3	30.1	27.5	26.8	27.4	29.4	33.4
12	31.9	33.5	36.0	38.9	35.9	31.2	32.2	26.7	36.4	42.1	27.6	35.5	40.8	43.5	42.9	41.3	40.6	38.2	35.9	33.1	30.3	31.5	31.7	30.5	35.3
13 Q	32.3	36.4	33.9	32.3	33.0	32.8	32.7	32.5	33.7	33.4	35.0	36.8	38.9	40.2	41.0	39.7	37.3	34.7	30.4	28.5	28.0	28.1	29.2	30.3	33.8
14	33.0	34.2	33.1	32.7	32.8	32.7	34.9	31.5	36.4	38.1	36.8	30.9	34.9	41.1	43.9	43.2	38.5	34.3	31.3	30.4	30.5	31.6	32.5	33.4	34.7
15	34.3	34.1	33.6	32.9	32.9	33.4	34.3	33.6	32.2	32.6	32.3	34.7	35.5	34.3	40.4	41.2	40.8	39.5	36.2	31.8	23.7	22.3	22.4	24.4	33.1
16 D	25.0	29.0	20.4	34.2	23.3	28.5	34.5	32.5	34.5	32.6	35.6	38.1	40.5	41.4	45.0	46.0	46.8	46.2	37.0	30.8	37.4	20.9	21.6	21.6	33.5
17	24.9	27.7	34.1	47.7	34.1	34.0	30.6	25.7	20.7	32.2	36.1	29.1	30.4	41.3	46.4	47.9	44.1	35.4	29.3	24.6	24.8	26.1	25.3	25.9	32.4
18 D	31.6	31.5	32.3	31.9	30.6	36.0	52.3	29.0	34.2	06.0	44.6	34.8	49.9	42.0	42.8	43.1	41.8	38.7	33.7	31.4	26.0	23.4	25.5	27.9	34.2
19 D	29.0	27.0	33.2	36.6	31.4	33.2	29.5	30.0	31.4	14.8	40.3	39.3	31.5	37.2	43.6	40.0	35.4	26.1	26.4	28.5	27.7	30.4	31.5	30.9	31.9
20	30.8	30.1	30.8	32.2	30.5	29.2	30.6	30.5	08.9	30.6	22.2	31.4	43.9	40.0	40.3	41.1	39.3	37.3	36.1	25.1	27.7	27.9	29.3	32.3	31.6
21	33.6	32.3	31.9	36.4	34.9	34.9	28.5	34.2	30.6	32.6	34.8	30.7	33.3	37.2	36.0	36.9	35.4	34.6	32.7	30.8	29.8	30.9	32.5	36.3	33.4
22	36.8	34.0	33.6	35.2	44.7	44.3	31.3	31.5	33.7	33.0	31.7	33.7	38.1	40.4	41.1	40.7	37.2	34.8	30.8	28.4	27.5	28.0	28.5	28.7	34.5
23 D	31.6	37.9	36.9	38.4	35.4	43.5	35.0	28.7	28.9	22.9	41.6	42.0	47.0	44.3	42.0	47.8	26.3	25.7	33.0	26.2	28.5	32.6	35.4	35.7	35.3
24	32.8	33.8	46.1	33.7	44.8	36.2	31.1	30.6	27.4	32.3	31.0	32.8	37.9	39.8	43.4	42.9	41.4	37.9	30.1	30.6	24.3	28.7	29.3	33.1	34.7
25	31.7	34.0	33.7	32.9	40.9	32.0	30.8	28.6	28.7	23.6	32.4	34.5	32.7	39.0	42.2	42.1	41.8	37.7	35.3	31.8	30.7	28.9	30.2	29.6	33.6
26	31.6	32.1	33.0	33.1	32.2	30.4	30.6	30.7	27.2	30.5	31.1	34.3	38.3	41.2	42.0	43.8	40.9	37.2	35.2	28.1	28.3	27.3	26.5	26.2	33.0
27	27.1	35.4	32.3	38.9	32.5	32.5	30.4	21.6	34.3	29.4	28.7	32.2	31.1	36.3	41.4	41.4	42.0	40.4	37.0	31.8	29.5	29.7	30.8	31.9	33.3
28 Q	32.4	32.6	32.7	33.0	32.4	34.9	32.5	33.6	24.8	28.4	34.1	36.0	37.2	38.5	40.2	40.4	39.6	38.1	33.3	29.3	27.2	27.3	29.5	31.9	33.3
29 Q	33.5	33.7	33.3	33.2	33.3	33.4	33.2	34.9	32.7	32.6	34.3	34.2	35.5	39.0	42.1	44.1	44.2	42.4	37.2	31.4	28.4	27.8	30.0	32.4	34.9
30	34.5	34.8	34.0	34.3	37.4	33.1	34.3	34.0	34.2	34.2	33.8	34.4	38.1	43.7	48.7	49.1	47.7	43.6	33.3	30.2	27.5	26.4	26.9	29.2	35.7
31	31.9	32.3	32.0	31.6	36.7	36.2	37.3	37.0	37.0	33.9	35.8	39.1	45.1	41.8	38.6	43.0	43.1	38.3	29.6	26.9	26.3	25.8	27.6	30.1	34.9
Mean	30.9	31.9	32.0	33.8	33.7	33.5	33.3	31.7	31.6	31.1	34.3	34.6	37.9	40.5	42.0	42.6	39.9	36.8	33.2	29.4	27.8	27.5	28.3	29.6	33.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Meanook Z = 59,000 γ + August 1942

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	178	179	191	205	198	189	185	179	166	183	182	178	176	178	178	177	177	173	174	176	178	173	182	187	181
2	188	185	183	183	188	184	181	177	173	179	177	174	173	165	152	151	159	152	148	146	151	163	175	181	170
3	187	198	198	199	197	179	168	171	148	109	160	178	178	169	164	159	164	169	170	169	176	185	183	185	173
4 Q																									
5	195	185	183	183	185	183	168	170	175	173	168	158	168	174	174	173	169	168	163	158	154	162	170	176	172
6	186	179	178	175	175	169	168	168	169	169	170	169	135	143	152	136	133	133	143	149	159	169	187	200	163
7																									
8 Q	195	189	181	178	170	168	164	154	148	137	129	147	164	161	158	158	157	157	148	149	151	158	159	154	160
9	154	154	152	152	151	149	147	147	147	144	144	139	054	031	081	103	122	140	135	146	154	154	156	158	134
10 D	180	188	188	212	191	023	-005	091	121	152	152	091	067	139	120	160	172	176	180	182	185	190	196	200	148
11	205	202	198	235	219	184	158	018	-043	-029	038	-024	085	122	152	170	181	187	186	184	184	182	184	186	140
12	176	192	200	200	202	136	132	-053	-004	051	059	075	125	160	173	172	170	171	171	169	160	163	173	184	140
13 Q	189	205	189	176	176	183	175	171	170	164	166	163	158	158	158	158	152	147	153	159	159	162	164	167	168
14	175	178	175	172	172	170	164	149	063	055	125	159	151	165	173	170	169	161	159	159	159	162	165	167	155
15	172	177	175	170	164	164	162	162	165	165	162	159	149	151	151	153	156	156	149	151	154	172	189	194	165
16 D	212	239	303	266	-012	044	122	141	159	178	144	177	180	185	185	177	165	164	159	159	175	213	215	225	174
17	229	226	226	176	194	205	125	-022	-029	090	093	080	156	166	151	156	151	158	162	174	180	204	204	207	153
18 D	188	177	199	188	182	177	073	027	-008	-304	-221	-008	021	043	093	189	171	166	155	160	169	179	187	221	101
19 D	227	219	216	185	182	165	056	014	-157	-042	021	123	077	155	157	137	123	129	155	180	175	188	158	191	126
20	210	222	252	214	190	143	145	143	026	128	-035	075	106	159	167	165	160	162	162	161	174	180	192	187	154
21	187	177	184	190	185	160	098	143	157	172	157	138	140	138	197	173	165	162	169	171	176	182	189	195	167
22	194	189	186	176	206	045	127	166	163	161	155	159	166	164	163	161	158	153	148	151	157	173	189	204	163
23 D	248	271	226	085	138	127	077	-028	008	000	082	172	079	112	064	004	063	117	146	196	183	210	282	223	128
24	191	215	181	194	114	120	116	103	096	130	132	151	164	160	160	157	154	173	162	196	192	234	208	194	162
25	187	193	193	198	110	-221	036	034	036	079	141	164	143	160	159	159	168	168	174	177	189	211	195	185	135
26	181	195	200	190	161	043	166	149	003	094	133	160	162	161	156	156	159	162	161	166	177	188	196	212	156
27	231	196	183	180	175	178	124	-028	100	071	026	079	116	130	148	164	164	164	166	166	166	166	169	172	142
28 Q	167	166	172	172	172	167	159	137	084	082	146	161	170	167	167	162	163	165	165	167	170	171	173	171	158
29 Q	176	175	173	173	171	170	170	170	167	162	176	175	178	179	181	181	178	170	162	165	171	171	183	184	173
30	180	179	179	177	174	166	174	174	163	166	171	171	162	169	167	167	167	154	153	159	167	169	180	183	170
31	189	194	196	210	196	180	172	165	159	157	153	151	135	132	121	121	124	135	156	173	173	181	197	197	165
Mean	192	195	195	187	170	136	135	110	094	103	114	134	136	148	152	154	156	158	160	166	170	180	186	189	155

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook — August 1942

Day	Horizontal Intensity						Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	03	21	820	23	54	719	101	03	31	42.2	21	00	26.1	16.1	03	10	241	08	15	146	95
2	09	18	769	19	27	722	47	14	45	42.0	22	06	25.6	16.4	14	46	196	18	41	140	56
3	01	47	775	19	30	709	66	17	47	42.8	02	17	24.1	18.7	01	47	200	09	21	97	103
4 Q	14	10	757	18	00	715	42	15	30	42.3	22	36	24.2	18.1							
5	06	53	767	19	31	712	55	16	25	40.5	22	28	26.0	14.5	01	00	196	11	15	152	44
6	24	00	822	15	41	691	131	13	30	46.3	23	07	22.9	23.4	23	30	200	12	35	124	76
7	01	04	833	10	12	395	438	11	15	61.0	02	26	22.2	38.8							
8 Q	01	24	764	17	30	699	65	15	08	40.5	20	09	24.7	15.8	00	00	200	10	06	113	87
9	08	45	772	13	24	708	64	14	36	43.5	19	56	26.7	16.8	22	40	161	13	16	12	149
10 D	05	25	829	06	43	339	490	13	06	94.2	16	12	-05.9	100.1	03	30	224	06	11	-135	359
11	05	44	830	07	29	303	527	04	02	52.5	08	21	05.6	46.9	03	58	269	08	25	-117	386
12	04	47	816	07	23	323	493	08	58	51.3	07	08	07.8	43.5	04	34	217	07	28	-135	352
13 Q	02	10	768	19	55	711	57	14	40	41.5	20	15	27.5	14.0	01	48	221	17	05	142	79
14	15	06	769	11	35	700	69	14	57	46.1	11	40	26.7	19.4	01	33	191	08	44	-14	205
15	22	41	825	20	00	700	125	14	59	43.9	22	12	14.2	29.7	23	38	212	12	20	141	71
16 D	04	00	1171	06	45	641	530	16	14	52.2	05	08	05.7	46.5	02	33	335	04	30	-158	493
17	05	48	868	08	25	446	422	03	04	56.8	08	26	05.3	51.5	05	22	236	08	18	-148	384
18 D	06	06	950	06	46	176	774	05	13	103.3	09	03	-03.4	106.7	23	55	251	09	19	-472	723
19 D	22	49	860	08	45	235	625	08	05	77.8	08	42	-00.9	78.7	02	17	251	08	31	-354	605
20	00	48	920	10	24	460	460	00	59	59.3	08	28	-02.0	61.3	02	03	276	11	38	-102	378
21	05	44	788	13	21	688	100	05	46	48.0	06	14	17.1	30.9	14	11	217	06	16	49	168
22	23	55	804	06	06	695	109	04	35	58.4	06	07	11.1	47.3	23	53	220	05	42	13	207
23 D	03	34	1035	15	45	339	696	12	49	77.8	03	59	00.2	77.6	22	28	349	03	40	-323	672
24	04	22	885	17	23	644	241	04	23	73.6	05	12	18.0	55.6	21	32	274	05	05	50	224
25	04	09	900	05	26	13	887	05	33	96.3	05	10	-14.4	110.7	03	40	223	05	42	-445	668
26	05	02	804	08	24	526	278	05	08	57.9	05	37	07.1	50.8	24	00	238	08	19	-72	310
27	00	17	795	09	42	505	290	03	37	49.0	07	36	12.4	36.6	00	21	244	07	28	-73	317
28 Q	06	43	773	18	30	692	81	16	26	41.8	08	50	18.8	23.0	14	05	181	08	57	19	162
29 Q	14	38	767	18	16	710	57	15	50	45.2	20	56	26.8	18.4	23	31	189	09	26	152	37
30	14	16	791	18	50	703	88	15	06	51.2	21	48	25.6	25.6	24	00	183	18	40	151	32
31	04	52	820	14	15	619	201	13	19	49.5	20	51	25.2	24.3	21	10	202	15	00	119	83
Mean			834			556	278			55.8			14.6	41.2			228			32	196
No. days			31			31	31			31			31	31			29			29	29

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 33 Meanook $H = 12,000\ \gamma +$ September 1942

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	740	741	747	744	745	745	744	738	739	750	751	738	706	668	677	707	708	719	698	701	722	731	738	746	727
2	750	757	748	747	748	753	323	504	695	769	747	721	763	760	752	736	716	715	721	722	734	753	766	723	713
3	722	750	750	747	756	776	763	690	730	729	713	742	746	746	745	732	724	716	719	722	731	741	747	750	737
4	750	744	743	746	753	752	757	754	767	732	736	752	747	743	758	750	728	710	714	721	738	754	753	748	744
5	749	739	729	730	729	737	738	739	731	640	682	690	728	739	738	728	739	727	729	736	737	736	745	747	728
6 D	746	739	739	747	782	748	725	626	413	677	758	779	733	524	615	718	754	732	718	732	746	764	773	763	710
7	753	752	747	762	757	759	752	598	714	715	696	740	746	748	742	725	711	721	738	734	729	755	735	747	732
8	742	751	749	765	765	740	735	684	727	747	712	686	723	764	757	737	724	719	718	725	733	740	747	752	735
9	746	743	745	743	736	736	757	737	658	663	712	648	765	767	758	743	727	722	719	719	731	749	758	758	731
10	751	747	743	735	744	746	743	712	709	712	705	749	757	751	749	742	733	719	715	719	728	740	745	757	735
11 D	758	736	744	750	760	767	753	758	757	751	730	716	735	718	740	782	774	735	737	723	702	733	722	930	750
12 D	1000	906	828	1018	903	916	575	718	-174	284	079	423	678	749	766	743	716	758	722	719	720	755	779	771	681
13	808	786	761	753	766	765	758	734	571	486	700	757	757	758	744	735	711	725	696	702	695	719	780	789	727
14	761	738	741	753	719	740	719	742	710	626	656	730	735	747	763	750	734	712	707	714	732	740	772	830	732
15	767	755	756	764	703	739	516	683	580	685	545	671	751	721	676	668	673	683	712	711	713	728	737	746	695
16	757	735	738	749	793	735	714	737	705	621	651	725	730	742	758	745	729	707	704	710	728	736	768	826	731
17 D	763	746	744	738	735	741	609	744	634	411	195	495	663	725	637	637	693	688	704	727	732	777	793	764	671
18	763	763	756	756	760	736	740	686	707	696	639	701	745	739	692	708	708	699	675	706	723	743	758	762	723
19	748	762	758	757	748	765	741	781	679	418	559	671	728	633	660	729	705	706	710	724	725	741	736	746	705
20	728	731	749	749	747	748	745	746	726	639	590	539	451	706	716	732	701	708	720	717	733	740	772	738	703
21 D	752	786	752	772	724	716	667	655	342	417	619	661	523	701	741	737	676	715	716	740	738	747	747	744	683
22	743	747	744	758	762	778	776	745	731	646	582	629	657	729	745	745	727	707	716	716	726	737	748	764	723
23	740	753	742	743	739	739	738	710	713	738	715	735	748	749	745	939	730	721	720	722	732	736	743	749	735
24	746	729	738	739	737	738	737	742	740	739	739	739	743	748	745	738	725	720	719	720	727	741	741	740	736
25 Q	734	734	741	741	740	741	746	745	745	748	745	743	742	751	750	736	726	718	717	720	727	739	746	738	738
26 Q	745	743	749	749	747	747	748	749	747	731	754	747	747	746	747	741	723	714	709	709	721	731	737	737	738
27	744	746	751	752	755	765	795	793	748	744	743	745	676	688	723	740	740	731	722	723	722	736	731	738	740
28 Q	748	746	746	749	748	747	747	747	748	747	747	731	709	744	750	741	731	719	709	709	716	730	730	736	736
29 Q	737	743	747	743	745	748	748	754	751	752	756	747	742	738	744	748	733	723	710	709	712	717	726	737	738
30 Q	742	744	744	744	744	748	744	748	749	728	737	757	758	755	750	748	735	721	705	698	709	720	729	734	737
31																									
Mean	758	753	749	758	753	754	712	717	660	658	656	697	714	727	729	732	722	717	714	718	725	740	750	760	724

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34 Meanook D = 25° E + ... ′ September 1942

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	32.3	34.0	33.9	33.8	33.4	32.4	32.9	34.3	35.4	33.4	33.3	30.4	38.4	43.0	58.0	56.0	50.8	38.1	31.9	28.3	27.6	29.4	30.5	31.4	36.0
2	32.3	32.2	35.4	33.8	31.6	29.9	33.8	50.3	48.5	36.8	37.5	37.0	41.3	43.4	42.9	43.6	44.5	40.1	35.1	31.7	29.7	26.7	28.5	27.8	36.4
3	29.4	30.2	29.9	29.3	29.4	30.7	31.3	21.4	36.3	37.0	36.4	35.6	41.6	42.4	41.3	39.2	38.3	36.4	31.7	29.1	29.2	30.5	32.2	32.6	33.4
4	31.8	31.0	31.1	33.6	35.2	31.8	31.4	23.8	33.4	31.0	32.2	35.1	38.4	36.9	40.5	40.0	38.1	36.8	32.5	27.8	27.7	29.4	31.6	34.1	33.1
5	34.3	34.3	33.0	38.1	37.1	32.3	33.0	34.3	34.4	35.2	50.7	43.9	47.0	43.8	41.0	35.6	31.8	33.1	32.5	30.3	27.9	28.8	31.8	33.2	35.7
6 D	32.9	32.5	33.3	32.6	32.5	26.1	35.0	39.2	33.3	36.8	40.1	37.7	39.9	35.3	51.6	43.3	39.1	39.1	28.2	25.0	26.4	28.4	32.3	33.7	34.8
7	33.5	31.8	31.9	31.7	37.3	37.2	41.2	23.3	32.8	37.7	34.4	33.0	35.8	38.6	40.9	40.1	37.2	32.1	31.3	30.2	29.5	29.8	32.1	33.2	34.0
8	32.4	34.2	35.3	40.5	39.6	31.2	33.2	32.2	35.4	34.8	30.5	33.2	37.1	41.9	41.7	41.4	38.7	33.2	30.3	28.5	29.1	31.4	33.7	34.9	34.8
9	35.0	34.2	33.1	31.5	30.3	29.3	22.7	31.9	32.7	34.7	34.2	25.4	37.2	42.8	42.3	40.9	38.8	35.5	32.2	28.5	28.3	30.3	33.0	34.4	33.3
10	34.1	33.1	37.3	40.9	33.7	32.1	30.9	38.9	35.9	47.4	42.1	38.2	41.0	41.9	41.9	41.8	40.0	37.1	32.6	30.2	28.4	28.4	29.2	29.4	36.1
11 D	29.0	29.9	30.1	30.2	31.5	43.9	35.8	33.0	31.9	33.4	34.3	36.8	43.0	43.5	47.4	44.4	43.2	42.6	36.5	36.0	29.7	21.5	18.8	20.5	34.4
12 D	26.6	24.2	30.1	22.7	43.7	30.0	35.0	40.3	51.9	40.6	04.1	19.7	48.8	45.4	46.4	49.1	44.7	40.2	36.9	30.2	29.1	28.9	27.8	26.0	34.3
13	35.4	34.5	34.0	30.8	38.8	33.9	31.8	31.1	26.4	23.6	31.1	34.7	38.3	42.8	45.3	45.8	40.4	36.8	33.6	28.3	27.0	23.6	24.3	33.3	33.6
14	24.8	31.1	35.4	45.4	36.9	38.3	32.0	33.2	30.0	31.8	32.6	29.8	34.4	39.9	45.4	46.7	42.6	37.8	30.1	33.7	33.9	29.9	27.1	28.9	34.6
15	35.5	31.3	34.0	37.8	41.5	39.3	26.5	20.3	18.6	31.5	30.9	26.5	34.8	40.4	42.0	41.2	36.1	34.6	35.1	32.3	30.1	28.9	30.4	31.0	32.9
16	29.9	32.2	35.0	34.9	28.3	35.3	36.6	32.9	29.7	24.1	27.9	32.0	33.0	35.5	40.4	40.2	39.8	33.2	30.3	28.7	28.9	29.0	28.0	29.4	32.3
17 D	27.8	36.6	31.8	30.4	31.5	35.8	28.4	36.4	32.2	34.0	36.6	41.2	51.2	49.4	45.6	36.3	32.1	32.3	31.7	30.6	28.1	29.2	37.6	34.0	35.0
18	33.6	32.6	31.5	32.5	37.1	30.9	30.1	24.5	37.7	31.9	28.2	31.2	35.6	38.0	41.0	41.0	37.6	34.2	34.6	28.2	28.0	30.3	34.9	35.8	33.4
19	30.1	38.9	35.3	54.0	34.4	32.8	34.0	31.0	24.9	22.8	26.1	30.1	35.3	32.1	35.3	38.9	36.6	37.9	33.7	30.5	30.1	30.7	32.3	32.1	33.3
20	32.2	33.8	30.8	30.1	40.0	32.7	30.9	33.9	34.2	28.8	33.2	37.0	27.5	32.2	34.9	39.0	35.8	34.2	33.7	31.9	32.1	32.7	30.0	34.5	33.2
21 D	32.3	43.3	51.5	48.2	37.3	42.5	20.6	21.5	20.2	17.5	43.5	41.9	47.4	35.4	38.6	40.4	36.2	34.0	31.1	30.9	31.1	31.3	31.7	32.3	35.0
22	32.1	31.2	31.5	32.2	34.9	34.4	31.1	35.1	35.4	36.8	28.9	43.3	31.3	34.7	39.7	40.9	40.4	35.9	35.0	32.3	30.3	30.0	28.3	33.0	34.1
23	31.5	30.2	34.0	33.7	32.9	31.8	36.7	37.7	29.6	35.1	32.7	32.7	34.6	36.8	37.4	37.7	37.7	36.3	34.4	31.5	30.5	30.6	30.2	28.7	33.5
24	27.6	29.1	34.1	32.4	32.4	32.0	32.7	32.8	33.7	33.2	33.9	34.0	35.4	37.5	39.7	39.6	38.6	36.1	34.2	30.7	30.0	31.0	31.3	30.8	33.4
25 Q	31.3	31.9	34.2	35.0	31.9	36.5	31.3	31.2	32.0	32.4	33.2	32.9	33.2	37.9	39.0	40.7	40.7	38.7	33.1	29.8	27.4	28.2	28.8	31.0	33.4
26 Q	33.6	32.0	32.2	31.8	31.8	32.1	33.7	32.1	34.0	33.0	37.8	37.1	39.1	40.0	41.4	39.8	38.3	32.3	38.5	30.3	27.9	28.3	29.2	31.0	34.0
27	30.9	30.9	30.1	29.6	29.1	28.9	29.3	33.6	33.6	34.3	35.2	32.9	32.5	33.4	35.2	37.6	39.2	38.0	35.9	32.0	27.9	26.3	26.8	27.2	32.1
28 Q	29.7	29.1	31.9	31.9	32.8	31.8	32.1	32.0	32.5	32.9	33.0	32.2	31.0	33.7	37.7	40.3	39.8	36.9	33.4	29.9	26.9	26.1	27.0	28.2	32.2
29 Q	30.1	31.3	31.3	31.3	31.5	31.3	32.8	34.1	33.9	33.0	33.4	34.8	35.4	35.9	41.7	42.2	42.4	39.6	34.8	31.1	30.1	29.0	29.0	30.0	33.8
30 Q	31.1	31.3	31.5	31.8	32.0	31.9	32.1	34.9	36.2	35.6	42.7	38.0	35.6	36.6	37.3	39.6	39.9	39.7	35.1	30.8	29.1	28.8	29.0	30.8	34.2
31																									
Mean	31.4	32.4	33.5	34.4	34.4	33.3	32.0	32.4	33.2	33.0	33.7	34.3	37.8	39.0	41.8	41.4	39.3	36.4	33.3	30.3	29.1	28.9	29.9	31.1	34.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook $Z = 59,000\ \gamma +$ September 1942

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	183	178	175	175	173	173	173	168	165	165	182	166	133	061	019	069	118	139	153	169	182	187	180	175	152
2	172	185	199	182	172	187	-057	-084	037	164	168	135	151	170	170	168	164	165	166	166	168	181	211	198	147
3	176	173	173	179	187	190	174	022	121	123	152	169	168	168	168	168	168	168	169	171	171	174	174	174	162
4	173	174	173	174	160	169	173	128	165	149	123	153	152	152	152	152	153	157	166	171	176	181	181	174	162
5	182	185	185	195	197	205	189	174	107	-026	027	081	090	120	124	120	135	159	162	170	175	175	172	173	145
6 D	159	167	202	218	220	111	039	072	-132	-019	157	199	166	117	-152	014	145	182	185	181	184	187	205	240	127
7	192	187	176	191	216	173	184	026	106	129	118	166	177	177	169	161	162	166	171	170	171	178	180	183	164
8	189	198	203	206	190	155	168	137	171	184	133	102	155	185	179	171	166	171	171	173	174	174	174	174	171
9	173	171	169	171	171	157	001	123	072	072	118	093	174	184	182	179	173	174	174	177	183	185	183	178	152
10	175	174	185	185	188	177	169	137	124	110	103	154	158	156	159	158	156	156	156	158	166	172	172	174	159
11 D	172	174	176	182	192	165	141	166	168	165	131	112	125	098	098	139	150	152	157	160	168	186	213	278	161
12 D	202	248	246	092	155	166	087	-175	135	277	-105	021	148	204	186	155	184	187	173	174	187	207	201	204	148
13	242	223	230	214	169	192	187	147	030	-080	090	164	183	184	170	166	163	171	183	183	190	186	219	230	168
14	224	227	235	138	102	165	155	083	051	125	085	088	131	185	174	179	151	166	169	233	257	233	215	233	167
15	194	202	215	197	045	120	079	101	100	141	088	092	168	157	142	153	142	157	187	187	189	189	185	184	151
16	187	189	203	217	217	107	121	174	126	065	078	139	169	172	183	174	169	178	178	174	177	186	199	244	168
17 D	193	196	177	177	172	095	044	134	119	042	-215	-138	063	112	122	115	146	159	205	197	191	219	243	205	124
18	215	189	192	184	122	077	086	035	094	112	105	108	156	160	126	142	155	150	165	178	181	194	207	204	147
19	189	197	204	197	191	236	167	164	153	009	050	097	138	097	119	140	148	161	165	169	183	191	193	191	156
20	183	188	185	196	207	204	189	173	156	068	031	-009	-020	125	116	154	157	165	173	188	202	201	217	207	152
21 D	212	204	191	180	015	098	093	087	-023	-183	063	130	127	132	194	175	154	181	191	186	185	188	186	186	131
22	181	178	186	196	143	002	125	172	177	106	079	058	095	145	175	177	175	172	177	177	172	175	191	223	152
23	180	189	191	175	175	175	172	145	097	127	146	157	161	175	177	177	175	165	162	162	164	165	167	172	165
24	178	177	188	173	165	165	168	165	165	166	166	163	171	175	174	171	169	169	170	168	170	173	173	170	170
25 Q	170	170	173	173	172	172	164	164	163	161	158	148	156	156	161	161	159	158	157	159	160	164	165	165	163
26 Q	163	162	162	161	161	161	161	164	159	120	138	144	143	141	130	131	141	149	155	155	157	161	166	164	152
27	164	161	164	174	182	214	224	201	182	165	165	143	098	080	100	123	147	158	159	161	163	162	163	163	159
28 Q	160	168	170	179	179	172	164	163	163	160	159	130	098	130	152	160	160	161	161	161	163	169	169	170	159
29 Q	167	167	169	167	167	170	172	172	172	170	169	158	149	145	149	158	158	155	153	153	153	157	158	160	161
30 Q	160	158	158	158	158	158	158	153	152	094	086	136	157	159	160	159	156	152	151	151	151	154	157	159	150
31																									
Mean	184	185	188	180	165	157	136	116	116	102	098	115	138	147	139	149	157	163	169	173	177	182	187	192	155

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook — September 1942

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	11	09	775	14	23	611	164	15	07	70.7	19	54	23.6	47.1	21	10	195	14	40	-10	205
2	09	09	500	06	24	153	647	06	57	72.0	06	08	-24.6	96.6	22	56	219	06	10	-228	447
3	05	41	797	07	52	663	134	13	09	43.1	07	36	09.2	33.9	05	25	216	07	50	-40	256
4	07	20	775	09	27	683	92	14	36	42.6	07	36	14.6	28.0	22	06	185	07	21	104	81
5	23	32	760	09	30	573	187	10	46	52.3	21	07	26.6	25.7	04	50	213	09	24	-81	294
6 D	04	36	818	08	22	348	470	13	57	62.8	05	41	16.3	46.5	23	17	288	08	44	-385	673
7	05	42	787	07	25	428	359	04	53	55.4	07	31	-01.7	57.1	04	45	237	07	40	-35	272
8	03	09	827	07	21	608	219	03	10	51.3	05	04	18.7	32.6	03	41	238	07	08	75	163
9	12	26	789	11	18	477	312	13	28	43.8	06	07	11.0	32.8	12	22	192	06	04	-37	229
10	12	39	782	10	06	659	123	03	07	53.3	20	28	27.6	25.7	04	20	194	10	27	71	123
11 D	23	32	1021	13	37	423	598	16	58	53.3	23	30	09.7	43.6	23	20	326	13	59	54	272
12 D	03	45	1105	08	30	-307	1412	07	12	102.7	10	40	-36.5	139.2	09	31	682	10	14	-534	1216
13	00	25	852	09	17	362	490	04	20	61.0	09	09	02.0	59.0	22	53	280	09	12	-209	489
14	04	57	1068	08	55	513	555	02	56	83.0	00	48	19.5	63.5	00	56	296	08	09	-30	326
15	04	49	852	06	21	355	497	04	56	78.4	06	04	-04.7	83.1	02	24	247	04	09	-123	370
16	04	57	1064	08	55	509	555	05	09	76.4	05	38	-04.7	81.1	23	23	335	05	42	-8	343
17 D	21	31	814	10	15	97	717	10	44	79.1	10	32	02.0	77.1	22	15	274	10	46	-452	726
18	03	05	818	10	30	584	234	04	13	67.3	07	01	06.7	60.6	00	50	240	07	05	-53	293
19	07	21	831	09	05	279	552	03	16	68.8	09	12	10.3	58.5	05	28	324	09	19	-52	376
20	22	45	795	12	03	125	670	11	53	65.7	12	26	16.8	48.9	22	56	236	11	51	-217	453
21 D	01	41	917	08	42	81	836	02	01	82.6	09	46	-13.2	95.8	02	04	354	09	01	-380	734
22	04	20	943	09	57	502	441	04	22	70.9	04	42	14.4	56.5	04	03	247	04	52	-73	320
23	08	24	766	08	45	677	89	03	54	46.8	08	40	21.3	25.5	02	10	20.5	08	49	37	168
24	23	51	762	18	04	709	53	02	46	41.7	00	09	25.1	16.6	02	34	207	11	00	157	50
25 Q	02	14	765	07	51	712	53	13	35	43.3	20	24	27.1	16.2	05	06	174	11	32	132	42
26 Q	10	18	762	09	27	697	65	15	07	42.5	09	28	23.6	18.9	07	47	166	09	46	86	80
27	06	53	832	12	49	653	179	16	50	39.9	06	06	23.7	16.2	06	45	240	13	42	66	174
28 Q	14	38	754	12	21	685	69	16	04	43.4	20	48	25.3	18.1	04	05	185	12	17	80	105
29 Q	07	34	762	19	26	695	67	17	21	43.6	21	12	28.3	15.3	08	05	175	13	41	137	38
30 Q	11	51	761	10	02	663	98	10	18	46.5	21	53	28.3	18.2	13	40	162	09	53	-1	163
31																					
Mean			838			474	364			59.5			11.5	48.0			251			65	186
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 37 Meanook $H = 12,000\ \gamma +$ October 1942

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 Q	742	743	743	743	742	743	743	744	745	745	745	745	746	746	746	737	734	728	721	713	714	723	732	731	737
2 D	738	743	745	754	752	757	760	752	714	513	714	713	362	414	564	668	707	661	635	683	743	722	733	747	679
3 D	769	753	845	725	516	684	464	504	681	679	485	528	579	533	676	606	679	713	714	713	711	729	736	748	659
4	756	759	757	736	805	751	691	463	706	678	666	622	565	560	643	662	673	751	720	713	691	743	758	765	693
5	747	771	751	793	735	633	724	681	530	612	565	496	704	646	624	699	744	736	734	736	735	741	751	754	693
6	748	752	744	743	738	756	751	738	733	753	743	744	743	741	737	735	734	730	727	730	729	726	736	742	740
7	739	760	767	750	751	776	744	729	735	720	726	714	711	634	682	726	713	717	711	713	720	733	735	726	726
8	736	748	737	742	742	742	737	728	712	689	705	720	735	746	758	749	737	722	690	682	713	728	745	750	729
9 Q	748	752	752	745	744	752	742	730	717	713	742	755	766	766	767	758	747	737	728	728	738	746	742	751	744
10	751	749	752	755	752	750	753	759	754	758	759	764	768	766	760	753	744	737	720	720	728	742	729	743	749
11	746	750	743	745	745	743	742	742	744	716	763	756	744	752	751	751	727	720	720	729	722	738	730	749	740
12 D	763	760	894	856	807	767	735	734	577	493	156	517	585	757	754	730	712	706	727	720	731	744	749	742	696
13	752	824	779	786	760	771	750	742	658	621	672	727	733	737	697	705	676	592	691	723	733	733	742	751	723
14	764	761	760	756	757	751	758	726	667	696	642	619	472	681	641	699	718	724	705	694	705	695	759	742	704
15	740	756	748	752	796	787	743	741	652	692	740	738	715	667	691	710	730	706	659	692	711	745	747	725	724
16	777	831	746	741	744	741	723	726	665	676	600	692	606	607	723	703	676	706	719	701	720	724	737	738	709
17	746	754	755	752	769	762	745	721	705	705	732	741	721	722	710	744	740	730	726	721	708	724	725	731	733
18	742	747	740	756	767	754	720	678	706	720	705	672	688	677	694	719	720	679	782	713	722	724	741	748	721
19	783	740	751	748	783	705	449	653	728	680	573	557	508	439	632	698	721	739	733	735	738	739	742	743	680
20	751	745	763	758	774	798	779	744	723	715	704	709	687	671	579	572	641	718	748	745	738	737	738	742	720
21	747	745	747	748	751	756	750	747	720	748	748	747	736	730	730	709	720	722	730	733	739	738	744	741	739
22 Q	741	741	742	741	742	748	748	748	744	747	745	738	716	747	748	744	737	730	722	723	730	738	744	747	740
23 Q	746	746	745	746	748	748	745	742	735	735	757	739	743	764	765	756	743	729	729	734	743	747	754	752	746
24 Q	750	750	750	750	750	750	748	749	749	755	759	761	761	760	759	752	743	737	734	736	741	748	749	750	750
25	755	755	753	752	746	743	675	593	641	757	776	759	746	748	750	752	747	733	727	727	730	738	742	748	733
26	751	748	740	746	754	747	747	751	750	749	749	748	748	751	749	745	740	729	725	726	721	723	732	745	742
27	739	733	742	752	749	753	747	747	738	732	747	755	754	752	750	739	727	718	717	715	718	728	733	744	739
28 D	749	751	749	750	751	745	746	749	748	746	715	715	645	510	460	483	390	400	571	694	718	910	863	806	682
29 D	773	730	734	741	758	396	006	295	199	302	-083	-125	330	657	757	676	600	714	727	707	760	860	819	753	545
30	822	767	748	784	753	650	665	666	297	338	463	590	517	532	614	571	650	672	711	724	749	735	748	730	646
31	759	808	766	793	765	752	607	470	648	683	484	497	654	702	708	713	682	692	710	734	719	738	754	756	691
Mean	754	757	758	756	750	733	692	687	672	673	645	660	660	675	697	702	702	704	713	718	726	743	748	746	711

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38 Meanook D = 25° E + ... ′ October 1942

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 Q	31.0	31.6	31.9	32.1	33.1	33.2	32.9	32.8	32.9	33.1	33.5	33.0	33.9	35.1	36.9	37.0	36.6	35.1	32.8	30.0	27.9	26.4	26.4	27.1	32.3
2 D	27.1	26.6	30.2	28.3	29.9	29.8	30.8	31.5	36.9	52.0	42.5	45.5	41.4	33.4	42.6	39.9	35.5	31.2	16.3	24.9	30.0	30.2	31.5	29.5	33.2
3 D	30.0	33.3	43.0	56.4	22.1	40.8	36.9	30.8	36.8	42.1	35.6	30.9	26.1	20.1	35.1	31.7	33.9	28.3	29.7	27.1	24.7	27.0	30.3	36.8	32.9
4	32.8	37.1	36.3	31.9	53.3	45.0	23.8	16.3	45.8	40.5	40.1	25.7	35.5	26.0	30.4	38.9	28.8	30.8	27.6	27.7	26.1	31.2	34.8	34.8	33.4
5	31.7	38.0	35.8	45.4	33.9	29.1	30.8	34.6	31.3	26.9	34.5	32.7	50.3	39.4	28.8	28.3	34.8	35.5	33.9	32.9	30.8	29.9	28.9	30.0	33.7
6	36.3	31.9	31.8	32.1	34.5	33.3	30.0	34.8	27.4	35.4	34.9	33.9	34.1	34.8	36.5	37.1	37.5	35.8	34.0	32.4	31.0	29.1	31.2	31.2	33.4
7	29.0	39.8	39.6	30.5	31.0	34.1	38.9	35.7	35.4	34.8	38.4	38.7	34.1	28.5	35.8	38.1	35.8	35.7	31.3	29.8	27.6	27.2	28.2	29.7	33.6
8	30.5	31.5	33.6	41.0	31.8	32.0	31.1	32.4	32.2	38.4	37.0	41.5	42.6	40.0	37.9	38.4	38.4	35.2	31.7	21.2	22.8	26.9	29.6	30.1	33.7
9 Q	31.3	36.6	29.5	31.9	32.4	46.2	32.0	32.1	32.0	32.9	35.9	39.5	37.3	38.5	40.2	38.8	39.3	37.2	31.7	29.8	28.3	28.4	30.7	31.5	34.3
10	31.9	31.8	31.7	31.7	31.7	31.7	31.9	30.9	31.3	32.2	33.0	33.3	35.3	35.9	37.8	39.7	40.2	37.3	33.9	28.9	27.1	26.3	26.4	29.4	32.6
11	30.8	30.9	31.8	31.9	32.0	31.9	32.8	32.3	33.1	32.0	36.0	38.1	37.4	34.3	39.0	43.1	39.8	36.0	32.4	32.3	25.0	20.7	24.4	30.5	32.8
12 D	27.8	26.7	35.6	46.7	30.4	33.8	29.0	32.6	17.6	39.5	-01.4	31.0	52.0	35.0	39.4	39.9	37.0	39.2	34.8	31.0	29.7	28.9	27.8	27.5	32.1
13	28.8	36.7	32.7	43.9	33.4	39.5	33.8	31.7	30.5	29.7	26.0	33.9	34.5	35.4	39.2	37.4	36.8	29.7	21.1	26.6	28.0	28.6	30.6	30.7	32.5
14	28.4	32.4	32.9	32.7	34.9	35.5	36.8	28.7	30.8	35.5	30.0	30.1	33.1	31.8	36.8	35.5	35.6	35.6	32.8	33.9	34.0	29.2	28.1	29.8	32.7
15	32.2	32.2	36.7	32.1	61.3	44.5	35.8	33.8	26.6	28.1	32.7	35.7	33.9	35.2	40.5	37.7	39.6	38.9	32.7	28.9	29.3	28.2	32.8	30.2	35.0
16	28.2	50.3	30.8	31.2	35.8	34.7	31.9	32.0	34.8	30.3	30.2	36.3	36.4	28.2	33.9	37.0	34.1	34.3	37.6	35.6	33.8	33.0	29.4	29.6	33.7
17	36.1	32.9	31.8	29.5	38.4	38.5	32.9	32.7	28.7	28.4	32.7	33.1	31.2	31.7	34.8	37.4	36.9	35.2	32.2	32.8	30.9	31.2	31.0	31.4	33.0
18	31.7	31.1	35.4	31.9	31.5	35.0	33.4	20.2	38.7	35.3	35.4	33.9	32.2	30.8	34.1	33.9	33.7	30.1	25.0	28.2	28.6	30.0	31.3	28.1	31.6
19	37.6	58.5	29.2	33.4	34.9	27.9	23.8	33.4	39.9	29.7	28.8	28.0	50.1	25.8	31.8	34.5	30.8	34.8	31.8	31.7	31.6	31.3	31.0	31.4	33.4
20	31.1	32.9	32.0	41.7	36.6	30.3	30.9	31.7	33.4	32.6	36.5	33.2	30.9	30.0	34.2	20.4	18.9	26.9	32.5	32.5	31.9	32.0	32.8	33.0	31.6
21	33.0	32.6	32.0	32.0	33.2	34.2	32.9	31.1	27.3	33.7	35.5	35.8	36.8	35.7	34.9	34.2	32.0	28.8	28.5	29.8	30.0	31.8	33.0	33.5	32.6
22 Q	32.9	32.2	33.0	32.5	32.0	32.4	31.5	31.9	31.8	32.8	34.0	34.1	29.1	32.6	35.9	37.7	38.8	36.6	32.9	29.9	28.7	28.8	29.9	30.1	32.6
23 Q	30.3	31.1	32.0	32.2	31.9	31.7	34.5	34.2	36.8	37.8	36.5	36.3	40.8	42.6	40.7	39.7	38.1	34.8	29.9	28.3	28.4	29.2	30.5	30.6	34.1
24 Q	31.6	31.5	31.6	31.6	31.8	32.7	32.7	32.1	32.4	32.1	32.1	32.8	33.6	34.3	35.9	37.0	37.7	36.0	33.0	31.7	29.9	29.5	30.0	30.6	32.7
25	30.6	30.8	33.8	36.7	34.2	38.8	38.7	47.0	33.9	34.1	29.9	32.7	34.8	34.7	39.8	40.8	39.8	37.7	34.2	31.1	29.3	28.9	30.0	31.4	34.7
26	31.3	31.4	33.0	31.9	31.0	38.4	34.0	29.9	31.0	31.0	31.9	32.1	33.0	33.7	35.0	37.0	38.8	37.2	34.0	31.8	29.6	29.0	29.6	28.6	32.7
27	29.9	35.0	32.9	31.7	31.9	34.5	30.9	32.3	29.2	28.5	30.1	32.0	33.0	33.5	35.4	37.8	37.2	34.9	32.7	30.5	28.7	28.6	30.7	31.3	32.2
28 D	31.4	31.8	31.9	32.6	32.0	33.2	32.1	31.8	31.7	31.0	33.2	39.8	51.7	60.7	68.6	57.6	20.0	33.5	10.3	21.0	27.0	39.2	27.0	26.2	34.8
29 D	26.9	31.1	31.2	41.7	40.2	-10.4	-60.0	-16.2	21.1	11.4	33.2	94.1	38.5	29.1	33.8	35.3	26.9	21.4	29.7	28.5	33.6	34.9	32.0	31.8	25.8
30	35.7	31.8	50.9	47.9	37.4	32.5	16.4	38.2	14.3	12.2	44.6	39.8	37.2	28.9	25.8	24.1	25.9	21.3	23.9	28.0	30.1	33.5	36.0	34.7	31.3
31	31.5	39.0	33.5	31.6	32.9	33.8	31.3	33.0	31.1	27.1	31.1	12.5	27.2	35.2	36.7	32.9	24.1	28.2	32.1	32.3	29.6	34.7	35.2	34.7	31.3
Mean	31.3	34.2	33.8	35.4	34.6	33.5	28.9	30.5	31.5	32.3	33.0	35.8	36.7	33.9	37.0	36.7	34.3	33.3	30.2	29.7	29.2	29.8	30.4	30.8	32.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Meanook $Z = 59,000\ \gamma +$ October 1942

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 Q	161	161	161	161	163	161	161	163	163	163	161	158	160	163	165	163	160	158	157	157	157	158	160	163	161
2 D	163	162	171	176	166	163	160	144	110	003	088	050	-107	-096	-080	120	154	157	160	190	219	189	182	192	118
3 D	218	219	208	024	014	131	018	-074	091	114	037	003	011	-010	081	073	145	193	193	209	195	199	204	220	113
4	209	209	191	182	174	076	094	-049	049	070	087	126	052	092	087	124	173	199	180	178	178	208	237	229	140
5	218	196	207	229	178	-016	119	100	004	010	-094	-065	037	064	130	141	164	164	165	176	178	176	175	194	119
6	193	182	172	169	168	144	165	148	104	151	159	162	165	166	166	166	166	165	165	166	170	171	178	181	164
7	189	247	254	213	217	207	071	122	142	128	124	119	128	056	085	146	158	162	170	170	173	179	182	181	159
8	183	189	190	192	181	179	162	152	110	052	085	112	131	142	176	171	162	160	160	161	171	171	175	182	156
9 Q	188	213	205	193	181	140	146	134	105	105	146	157	171	162	160	161	164	166	168	169	170	173	174	174	164
10	173	169	168	167	166	166	166	168	170	162	161	161	162	162	162	166	170	167	167	169	170	173	172	171	167
11	171	165	165	165	166	166	168	168	164	104	145	156	157	159	152	152	153	152	154	153	157	165	159	166	158
12 D	176	200	267	225	230	184	066	038	009	017	-165	-045	002	182	175	161	156	164	180	172	176	172	181	204	130
13	211	262	214	200	183	181	180	183	103	039	080	143	162	160	142	170	145	147	179	167	178	195	222	199	168
14	193	222	192	201	206	137	171	111	063	135	128	084	-029	146	111	205	175	171	169	193	220	235	217	192	160
15	188	199	190	182	159	128	173	131	071	109	158	160	146	109	118	168	176	171	181	197	196	195	235	249	166
16	209	250	195	185	170	140	117	115	054	096	060	094	091	143	176	160	168	171	189	197	204	195	189	184	156
17	194	186	180	180	186	139	161	138	128	117	137	149	149	144	161	171	173	176	168	174	175	184	185	176	164
18	178	180	183	196	162	086	089	044	114	137	140	109	125	116	123	144	149	172	169	187	184	192	196	201	149
19	273	255	230	230	202	050	-147	012	130	120	-013	-021	-011	041	061	153	166	200	198	190	187	182	181	180	127
20	182	189	188	193	194	217	200	153	118	114	116	126	149	125	117	114	135	156	183	181	181	181	181	179	161
21	174	171	171	173	182	188	188	176	130	157	168	165	156	169	166	145	154	151	160	166	175	178	181	176	168
22 Q	176	175	176	182	185	182	176	168	165	166	165	159	141	158	169	169	170	169	169	172	172	173	173	174	170
23 Q	173	172	171	171	170	170	157	096	081	063	128	126	126	153	167	167	164	164	165	167	168	170	171	169	151
24 Q	169	169	169	169	169	169	169	169	169	169	169	169	168	168	170	171	172	172	172	172	172	173	173	173	170
25	172	172	197	222	214	189	125	-010	087	160	194	192	180	171	164	168	180	182	183	183	187	188	189	185	170
26	184	184	190	193	196	188	189	180	179	179	178	176	175	174	178	179	180	179	176	179	182	187	192	187	183
27	193	197	192	183	183	170	157	171	146	126	149	170	172	171	171	171	178	172	172	172	176	179	180	176	172
28 D	176	176	175	175	175	175	175	171	168	113	054	080	-013	029	041	066	-053	041	173	196	267	247	225	255	137
29 D	268	227	226	135	196	061	099	-084	134	228	238	-102	-206	096	158	182	126	202	222	230	249	282	231	230	151
30	263	226	227	237	211	070	074	134	-041	-106	-066	033	155	117	152	144	197	201	227	214	214	231	236	213	148
31	230	277	228	223	171	181	128	093	144	117	019	-032	-011	016	148	161	143	147	195	198	191	204	193	191	148
Mean	195	200	195	185	178	146	132	108	108	107	101	099	093	118	134	153	156	166	176	181	187	190	191	192	154

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook — October 1942

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	01	10	751	19	23	710	41	16	20	40.1	22	03	25.3	14.8	16	04	171	19	00	157	14
2 D	20	49	813	12	52	-250	1063	12	53	87.0	12	37	-02.2	89.2	12	25	275	12	48	-432	707
3 D	02	13	987	06	34	126	861	03	06	86.1	04	30	-04.0	90.1	00	54	277	06	53	-195	472
4	04	55	868	07	28	332	536	08	02	85.9	07	00	-21.8	107.7	22	54	271	07	20	-235	506
5	03	06	867	08	41	333	534	11	06	64.3	05	20	-09.4	73.7	03	31	271	10	54	-190	461
6	05	31	782	08	43	703	79	05	12	43.2	08	33	18.4	24.8	00	44	200	08	32	52	148
7	06	04	830	13	42	570	260	06	05	81.9	13	17	20.6	61.3	01	28	301	13	40	-15	316
8	14	19	765	09	40	659	106	02	55	50.9	19	44	19.4	31.5	02	51	206	09	27	31	175
9 Q	14	42	772	08	56	689	83	05	17	61.2	02	24	27.3	33.9	01	08	236	08	41	87	149
10	12	30	772	18	58	710	62	16	16	42.5	21	29	23.5	19.0	08	38	174	14	33	157	17
11	22	41	789	09	26	672	117	15	26	45.9	21	51	17.4	28.5	21	36	182	09	38	62	120
12 D	02	49	1002	10	24	-288	1290	12	22	80.2	10	23	-29.3	109.6	02	28	312	10	19	-301	613
13	01	42	910	08	54	481	429	03	08	58.0	18	02	14.0	44.0	07	07	341	09	42	-4	345
14	15	24	824	12	45	377	447	05	13	46.3	07	52	16.1	30.2	15	23	263	12	23	-89	352
15	04	20	857	08	55	568	289	04	53	81.4	08	36	16.5	64.9	04	21	268	08	37	6	262
16	01	12	1015	13	04	479	536	01	31	63.6	13	40	19.8	43.8	01	08	373	12	31	5	368
17	04	46	848	08	41	682	166	04	47	66.4	09	41	24.2	42.2	04	49	259	05	05	93	166
18	04	17	843	07	42	569	274	04	15	48.2	05	28	10.3	37.9	24	00	251	05	20	-3	254
19	01	10	984	13	05	258	726	01	20	85.3	06	41	03.4	81.9	01	06	412	06	26	-304	716
20	05	40	812	14	57	523	289	03	25	51.4	16	44	15.3	36.1	05	45	245	11	42	7	238
21	05	03	769	08	06	698	71	05	04	43.6	17	12	22.4	21.2	05	02	197	08	40	117	80
22 Q	13	36	754	12	25	696	58	16	50	44.6	12	30	26.7	17.9	03	54	189	12	26	128	61
23 Q	13	42	773	07	20	713	60	13	09	44.5	19	59	27.2	17.3	05	55	176	09	25	36	140
24 Q	13	52	766	19	06	728	38	16	57	39.3	21	10	29.0	10.3	21	09	179	12	35	167	12
25	10	13	793	07	55	454	339	07	26	55.2	10	20	26.3	28.9	02	53	238	07	55	-101	339
26	05	04	773	21	04	702	71	05	18	46.9	04	37	24.3	22.6	04	53	212	05	25	165	47
27	05	28	763	20	49	709	54	05	18	44.5	08	41	22.1	22.4	01	50	205	08	45	104	101
28 D	22	03	1030	16	36	248	782	14	34	87.1	16	36	-13.9	101.0	21	15	314	16	50	-201	515
29 D	21	27	984	11	30	-541	1525	11	33	181.9	06	39	-202.3	384.2	06	25	539	10	53	-535	1074
30	00	43	1016	08	59	43	973	11	58	71.2	09	12	-17.4	88.6	00	40	359	08	55	-198	557
31	01	38	972	10	45	315	657	01	41	56.8	03	59	-02.1	58.9	02	38	407	06	34	-71	478
Mean			854			441	413			64.0			06.1	57.9			268			-48	316
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 41 Meanook H = 12,000 γ + November 1942

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	744	751	744	744	742	742	723	678	631	718	703	635	716	720	744	738	729	720	723	725	727	729	740	744	721
2	741	737	739	751	756	738	744	733	645	568	603	638	687	709	733	715	705	697	694	715	732	737	729	728	707
3	734	744	754	757	749	747	700	701	718	689	627	621	654	660	717	740	739	718	723	730	730	739	742	735	715
4	741	744	746	745	743	744	747	686	436	698	722	699	506	740	754	758	752	746	740	736	733	737	744	744	714
5	741	742	737	744	747	748	748	749	749	752	752	751	753	748	749	749	744	730	731	736	740	753	753	737	745
6	739	763	798	755	746	745	745	746	740	732	756	756	755	750	744	738	730	737	736	729	736	737	739	747	746
7	750	739	740	747	749	728	712	762	742	734	750	730	731	724	732	746	750	739	732	731	736	739	746	753	739
8	753	750	757	760	765	774	773	753	692	686	695	719	702	759	761	754	739	734	734	737	725	736	749	760	740
9 Q	739	740	748	756	750	751	751	748	744	744	743	745	742	745	744	748	739	735	735	731	736	737	745	752	744
10	755	759	756	752	748	747	749	742	744	745	755	756	743	704	763	754	752	736	730	730	729	738	744	750	745
11	753	753	754	766	758	752	753	757	736	738	735	728	686	745	752	746	739	725	707	711	723	732	740	736	738
12	761	751	757	761	754	746	761	743	746	734	727	739	743	746	742	744	742	733	721	725	725	731	740	732	742
13	730	750	751	751	751	749	748	739	737	739	722	735	759	750	715	691	748	729	726	721	714	733	746	754	737
14	766	750	763	754	758	778	782	728	665	728	736	744	746	734	744	744	739	727	717	724	731	740	749	763	742
15	751	759	750	748	745	744	744	743	741	738	742	741	740	737	721	710	713	724	729	723	730	740	740	729	737
16 Q	722	744	753	750	747	744	744	742	743	741	741	746	746	745	743	742	738	735	732	731	732	736	738	741	741
17 Q	742	751	753	750	752	748	756	746	745	739	738	718	642	746	745	738	751	756	750	742	738	743	745	738	740
18	744	761	759	749	747	745	747	745	728	731	751	746	755	754	742	737	751	749	746	734	732	744	750	749	746
19 Q	748	755	755	751	751	754	765	759	751	747	707	707	760	763	763	762	757	749	743	737	739	749	758	759	750
20	756	751	749	748	743	751	758	757	749	748	723	612	741	748	751	759	748	730	700	710	741	744	740	734	737
21	741	752	753	749	749	757	780	756	747	745	731	679	749	758	756	751	745	737	734	734	731	731	735	746	744
22 Q	747	752	751	748	745	744	744	744	740	737	746	746	744	743	742	743	739	731	723	728	733	738	745	755	742
23 D	761	752	754	756	744	735	735	745	735	736	735	717	666	680	735	711	704	729	735	732	728	742	802	974	744
24 D	925	1118	840	879	892	601	396	178	066	-245	234	652	420	594	731	745	724	713	685	702	787	736	743	753	620
25 D	734	752	783	779	755	749	731	719	624	666	409	562	681	607	685	660	689	720	727	732	737	746	770	751	699
26 D	762	746	770	792	765	742	739	702	657	485	532	693	633	553	631	701	695	686	735	709	718	726	739	736	694
27	746	747	759	762	765	796	761	701	705	678	438	498	506	609	634	698	633	662	669	662	737	742	733	756	683
28 D	775	750	744	743	750	745	751	728	634	490	698	673	746	739	725	740	743	740	729	715	703	718	742	736	719
29	761	802	796	763	752	746	748	733	711	546	743	714	601	714	749	718	718	701	709	726	742	741	736	726	725
30	732	740	744	741	733	738	740	691	737	736	751	745	735	706	699	738	740	739	721	718	725	731	733	734	731
31																									
Mean	753	764	759	758	755	744	736	715	685	667	682	698	693	714	732	734	731	727	724	724	732	738	745	752	728

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42 Meanook D = 25° E + ... ′ November 1942

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	39.2	34.1	34.4	33.9	43.3	33.9	35.4	33.2	11.6	42.1	31.2	18.9	29.3	34.4	31.5	33.7	37.8	35.8	33.4	30.8	29.3	29.8	30.8	32.0	32.5
2	31.6	30.9	34.4	47.2	37.1	31.2	37.7	34.0	27.1	21.0	34.4	51.4	47.9	40.6	33.8	36.1	27.1	27.2	24.7	26.3	30.2	30.9	31.5	32.3	33.6
3	32.0	34.1	35.6	32.7	32.0	34.7	29.0	34.1	39.4	37.0	30.1	30.8	31.9	31.5	30.2	34.1	33.0	29.0	26.0	24.9	27.5	28.2	28.2	29.7	31.5
4	30.6	31.9	32.1	31.4	32.1	32.1	32.2	29.1	28.7	41.8	36.0	36.6	27.0	40.2	39.0	37.2	37.2	34.8	32.9	30.0	28.8	28.6	29.1	30.2	32.9
5	31.9	31.8	31.2	31.0	30.8	30.9	30.9	31.1	31.3	31.1	31.0	30.7	30.9	30.6	32.2	33.1	32.9	32.7	31.9	27.4	27.0	26.8	28.2	27.9	30.6
6	29.9	28.2	35.2	31.1	30.1	29.8	30.7	31.7	32.0	32.0	33.9	33.7	33.8	33.9	35.6	36.9	34.4	32.6	31.9	30.2	29.7	30.0	31.1	31.1	32.1
7	31.5	34.9	35.3	31.4	31.5	43.5	27.8	34.2	32.7	31.6	32.0	34.1	35.9	33.6	39.7	37.9	36.3	34.1	32.9	31.1	28.1	27.0	28.2	28.2	33.1
8	27.3	30.8	30.9	31.6	30.0	30.8	29.8	33.6	27.7	27.7	38.2	35.5	38.7	35.9	34.5	37.6	37.9	33.7	31.0	31.1	30.2	27.6	29.2	29.3	32.1
9 Q	28.8	30.5	32.5	32.6	31.6	33.0	32.0	31.0	31.5	31.7	32.4	32.6	32.2	31.9	34.6	35.6	35.9	33.8	30.1	28.7	29.0	28.1	29.1	29.0	31.6
10	30.9	31.0	30.7	31.5	32.0	31.0	31.9	31.0	29.9	29.7	30.0	32.7	34.4	41.7	34.7	36.5	39.5	35.5	31.9	29.8	29.1	29.4	30.4	28.2	32.2
11	27.5	28.9	36.6	34.7	32.7	33.6	36.0	34.4	32.4	31.9	30.9	32.9	33.3	29.2	34.8	36.6	37.1	35.9	33.8	30.0	27.2	28.2	27.7	30.8	32.4
12	31.9	31.2	34.0	49.4	33.5	35.0	19.6	33.9	31.9	31.2	28.6	30.9	33.2	34.7	34.6	34.8	35.7	34.4	31.0	29.0	27.2	27.8	30.1	30.2	32.2
13	33.3	31.3	31.5	31.9	32.3	31.9	33.2	32.9	29.8	36.0	31.2	32.1	39.1	43.1	37.8	31.8	37.4	34.3	30.1	28.6	26.5	27.7	29.2	28.6	32.6
14	30.7	32.7	33.6	32.0	33.9	43.2	23.4	37.0	10.9	29.8	35.5	36.3	35.9	36.7	35.4	37.3	35.5	34.1	29.4	28.6	28.2	28.5	31.1	32.2	32.2
15	39.6	36.8	43.5	34.5	31.2	31.6	30.9	31.6	31.8	31.6	32.9	32.8	32.6	33.3	33.8	34.0	31.7	30.1	29.9	30.4	30.6	30.8	30.0	30.2	32.8
16 Q	34.3	33.0	31.7	31.8	31.8	31.8	31.7	31.2	33.0	33.0	33.8	33.7	33.2	33.7	34.0	34.7	34.6	33.3	31.7	31.1	30.6	31.0	31.2	30.9	32.5
17 Q	31.0	31.9	32.0	31.9	31.9	32.3	34.9	31.3	34.5	34.4	34.4	33.1	23.3	36.6	35.1	30.8	30.1	30.9	26.9	26.2	27.0	28.1	28.7	30.5	31.2
18	28.1	29.2	31.0	33.8	32.3	31.7	33.8	31.7	21.9	39.8	35.0	33.4	31.8	31.6	33.3	31.6	33.7	32.7	31.0	29.9	27.1	28.1	29.9	31.0	31.4
19 Q	31.6	32.2	32.0	32.9	33.0	34.0	38.4	33.7	32.1	31.4	31.2	28.3	32.6	33.4	34.0	34.9	34.6	32.9	31.6	31.1	30.1	29.8	29.0	28.9	32.2
20	30.9	30.4	31.7	31.6	41.9	36.6	31.7	30.4	31.1	32.8	37.2	39.0	43.5	39.9	36.6	37.0	35.7	30.5	23.9	22.3	26.1	27.2	28.3	27.6	32.7
21	31.2	32.1	31.9	33.2	33.5	38.2	39.9	31.1	32.8	31.4	33.8	30.2	32.7	35.5	35.8	34.9	34.9	32.8	30.9	29.8	28.7	28.3	28.7	29.8	32.6
22 Q	30.6	31.6	31.7	32.2	32.1	32.0	32.3	32.0	31.4	29.9	31.6	32.4	33.3	33.2	32.9	34.0	35.3	34.2	31.4	29.0	27.7	29.5	30.2	31.0	31.7
23 D	31.0	32.0	31.9	32.1	32.2	31.9	35.8	32.0	30.9	32.6	33.2	36.7	29.4	29.2	28.4	29.5	19.3	24.2	25.7	26.4	28.2	28.9	24.4	27.3	29.7
24 D	28.0	19.4	29.2	43.5	55.0	26.4	39.2	40.0	32.4	08.7	36.6	35.5	37.0	32.2	35.0	35.7	36.3	30.5	24.1	30.4	29.3	26.3	30.3	32.2	28.8
25 D	32.4	34.9	34.2	40.5	46.5	35.5	36.5	23.9	27.0	35.1	36.5	29.0	42.0	36.9	21.8	23.9	23.2	27.9	28.6	30.5	29.4	32.5	32.9	32.0	32.2
26 D	31.0	31.1	35.3	71.1	36.4	33.3	28.1	28.0	28.8	34.8	22.9	39.6	42.5	32.3	29.3	26.3	25.5	25.1	27.8	28.6	26.9	24.5	29.1	35.2	32.2
27	32.0	31.1	30.5	33.2	34.4	29.9	32.2	31.0	33.0	35.3	34.7	25.5	43.3	25.7	27.4	28.0	27.1	25.1	25.9	14.7	28.1	26.0	27.3	26.6	29.5
28 D	33.8	32.4	33.0	34.8	35.9	32.9	32.0	39.9	31.7	13.9	39.0	36.3	32.8	33.8	31.9	32.0	32.1	32.7	31.5	29.9	27.8	27.6	28.3	26.7	31.8
29	29.3	32.8	40.6	34.0	30.9	32.7	32.6	30.3	35.4	28.3	25.0	37.5	30.5	29.3	33.2	32.4	29.4	23.5	21.4	26.6	29.2	30.7	31.3	31.4	30.8
30	32.3	32.6	32.8	34.0	38.2	34.7	36.0	26.0	26.6	31.3	33.9	34.0	35.3	28.9	30.0	30.1	30.4	30.3	28.6	26.1	27.7	29.4	30.9	31.9	31.3
31																									
Mean	31.5	31.5	33.4	35.6	34.7	33.3	32.5	32.2	27.6	30.7	32.9	33.5	34.6	34.1	33.4	33.6	33.0	31.5	29.4	28.3	28.4	28.6	29.5	30.1	31.8

96659—7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Meanook $Z = 59,000\ \gamma +$ November 1942

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	211	202	200	192	186	154	157	074	024	120	138	125	152	141	187	182	189	189	189	186	190	192	190	190	165
2	177	200	204	202	165	179	182	166	074	-010	-041	-018	019	062	113	129	161	158	179	188	206	205	209	204	138
3	193	195	196	189	194	193	090	074	112	078	072	068	101	073	135	137	164	165	178	175	192	195	195	189	148
4	183	187	186	186	189	193	198	152	-024	080	126	118	-011	128	162	172	182	175	175	175	180	183	187	188	153
5	190	192	193	194	193	192	188	188	187	187	186	186	185	185	184	183	183	182	181	182	187	188	193	193	188
6	193	221	282	219	188	187	187	189	187	143	176	192	190	189	188	188	186	189	192	193	195	198	194	193	194
7	194	198	199	193	194	180	137	197	182	170	193	173	166	182	149	183	205	194	193	193	194	193	189	192	185
8	195	195	195	195	204	228	233	182	180	005	106	148	164	195	212	201	182	183	188	189	190	193	195	200	182
9 Q	209	211	204	201	193	188	187	185	188	190	187	186	185	187	185	193	192	193	193	194	199	199	193	192	193
10	185	197	198	198	199	197	193	200	189	186	190	190	180	128	161	178	180	179	184	188	190	198	202	205	187
11	219	230	227	211	205	193	193	167	166	164	175	178	149	190	188	188	190	187	188	193	200	194	200	207	192
12	206	205	205	190	183	182	085	161	180	179	164	181	182	181	182	189	183	180	179	182	188	192	196	197	181
13	202	209	201	193	190	190	195	194	171	169	144	124	161	145	118	117	158	169	172	188	193	204	202	221	176
14	213	201	210	204	202	169	167	160	066	127	158	182	188	170	183	184	185	182	181	190	192	204	205	206	180
15	212	207	198	190	193	187	182	182	181	176	176	176	176	173	169	168	169	169	176	183	188	193	193	198	184
16 Q	213	196	188	182	184	189	193	190	186	182	169	179	180	180	181	182	182	181	180	182	185	187	186	187	185
17 Q	184	182	182	181	182	184	174	166	169	168	164	146	074	134	144	143	146	148	160	171	180	186	194	204	165
18	235	257	247	205	189	188	190	132	003	072	157	173	182	183	171	179	184	182	182	183	184	189	194	188	177
19 Q	188	189	193	194	199	199	193	180	182	182	146	127	179	188	188	187	186	186	189	189	189	190	190	189	184
20	190	192	192	197	217	206	198	195	184	172	139	026	119	144	169	183	171	172	178	193	194	195	198	205	176
21	207	202	201	197	201	220	178	181	187	190	171	116	171	184	186	193	189	182	182	185	189	190	193	195	187
22 Q	193	189	186	183	183	184	184	183	169	164	182	184	182	180	182	186	182	180	181	183	186	187	187	188	183
23 D	184	181	180	180	181	183	182	159	166	162	169	146	092	043	084	113	139	133	164	180	189	205	287	335	168
24 D	333	247	301	189	085	-003	-087	-051	-454	268	182	126	106	129	189	198	200	204	223	246	272	217	214	126	144
25 D	209	235	238	155	169	196	156	119	052	087	001	081	103	115	101	096	170	152	178	185	202	230	247	214	154
26 D	219	214	246	210	257	207	156	149	081	-032	-013	082	120	120	139	167	175	205	204	210	247	222	227	240	169
27	217	214	220	225	246	272	251	129	139	138	049	-049	044	123	082	149	146	186	220	185	201	199	219	254	169
28 D	289	206	205	205	192	192	185	169	065	-037	126	111	175	182	179	187	184	183	189	193	200	206	220	222	176
29	240	242	206	224	201	193	187	168	149	037	096	125	062	130	161	159	185	167	182	184	194	200	201	197	170
30	202	198	195	196	202	205	199	143	063	146	193	192	174	141	124	160	161	171	181	182	194	201	204	202	176
31																									
Mean	210	206	209	196	192	188	170	156	114	129	136	132	138	150	160	169	177	178	185	188	196	198	204	204	174

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook November 1942

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	07	46	771	11	13	525	246	04	44	66.1	08	21	01.2	64.9	04	37	228	08	06	-91	319
2	03	58	780	09	39	510	270	03	44	63.1	09	24	07.8	55.3	03	09	225	12	10	-89	314
3	06	08	856	10	24	567	289	06	06	45.3	06	21	20.1	25.2	02	10	212	10	23	29	183
4	13	41	769	08	03	214	555	08	17	65.5	08	48	-01.2	66.7	07	17	207	08	32	-209	416
5	23	21	780	23	50	718	62	18	11	36.6	23	28	23.8	12.8	23	28	200	18	07	178	22
6	02	27	835	09	29	707	128	02	46	41.0	02	09	24.3	16.7	02	24	303	09	29	110	193
7	07	30	781	06	11	675	106	05	41	63.9	06	15	17.4	46.5	07	12	222	06	09	78	144
8	13	32	817	08	54	581	236	09	05	52.0	08	48	09.8	42.2	06	00	257	09	13	-123	380
9 Q	23	30	765	19	35	724	41	16	08	37.5	19	16	26.7	10.8	00	50	214	14	36	180	34
10	14	03	796	13	54	580	216	13	54	51.4	23	48	23.0	28.4	23	51	220	13	51	63	157
11	07	40	804	12	29	632	172	12	08	44.2	23	01	22.7	21.5	02	06	243	12	21	109	134
12	03	37	791	06	39	619	172	03	06	59.8	06	22	06.1	53.7	03	01	245	06	21	17	228
13	13	42	779	15	27	643	136	13	27	48.3	08	13	23.2	25.1	23	45	235	11	13	64	171
14	06	14	830	08	17	582	248	05	16	55.0	08	15	-17.5	72.5	23	40	243	08	17	-45	288
15	01	08	775	17	24	659	116	00	58	58.1	17	23	20.5	37.6	00	56	225	15	56	161	64
16 Q	02	12	757	18	06	713	44	18	08	36.0	07	47	27.2	08.8	00	10	228	10	27	160	68
17 Q	06	26	786	12	23	566	220	06	31	40.7	12	20	19.2	21.5	23	59	215	12	24	38	177
18	07	12	776	08	22	607	169	09	22	46.0	08	17	13.4	32.6	01	40	269	08	26	-41	310
19 Q	06	41	778	11	05	656	122	04	53	40.8	11	17	25.8	15.0	06	00	211	11	02	91	120
20	15	26	772	11	24	431	341	04	50	50.5	18	54	15.9	34.6	04	10	227	11	27	-102	329
21	06	19	816	11	28	636	180	06	07	58.4	06	49	24.0	34.4	06	04	256	11	30	80	176
22 Q	23	49	760	18	10	713	47	16	31	37.6	20	21	27.0	10.6	00	05	196	08	33	153	43
23 D	23	11	1059	12	47	615	444	06	19	44.8	22	33	24.8	20.0	22	51	379	13	37	16	363
24 D	01	17	1575	09	35	-545	2120	09	23	147.9	09	36	-185.3	333.2	09	23	582	09	00	-617	1199
25 D	02	29	932	11	39	170	762	03	38	76.4	07	54	10.9	65.5	02	17	302	10	29	-97	399
26 D	02	55	943	09	57	217	726	03	14	88.5	10	23	09.0	79.5	02	54	325	09	42	-154	479
27	08	14	821	10	57	321	500	12	28	58.0	11	03	05.8	52.2	05	34	290	11	22	-104	394
28 D	06	19	781	09	15	354	427	11	00	49.2	09	28	-09.5	58.7	00	13	322	09	17	-167	489
29	01	06	843	09	54	440	403	02	38	56.4	09	45	16.7	39.7	01	08	288	09	49	-53	341
30	10	14	757	08	11	556	201	04	37	41.1	08	02	09.5	31.6	05	08	212	08	05	-38	250
31																					
Mean			809			496	313			53.6			07.5	46.1			259			-13	272
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 45 Meanook $H = 12,000\ \gamma +$ December 1942

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	740	744	744	744	743	743	744	737	740	745	745	744	745	738	746	748	751	753	742	722	737	740	730	736	742
2	729	747	753	753	752	752	751	749	747	745	745	746	746	744	744	741	747	746	737	736	734	734	740	744	744
3	744	748	752	754	751	752	748	748	748	747	748	748	749	749	747	744	742	736	739	739	739	743	744	727	745
4	746	751	753	754	752	751	762	762	753	748	747	746	747	738	702	715	743	747	741	741	744	744	744	743	745
5	746	742	732	745	750	751	748	750	745	747	744	747	747	746	744	737	735	743	740	739	740	743	743	744	744
6	748	748	747	746	745	745	745	746	746	746	744	747	745	746	744	752	756	756	749	744	738	737	739	740	746
7	747	751	746	743	737	737	740	741	741	710	733	721	685	734	755	749	709	732	730	735	734	735	744	749	735
8	759	752	751	751	742	740	739	734	677	730	737	735	731	727	722	724	714	740	741	727	718	728	750	749	734
9 D	751	757	757	758	768	753	744	743	737	729	703	736	752	723	619	721	737	711	707	690	732	763	887	849	743
10 D	795	759	774	814	904	750	801	603	621	730	731	731	716	722	735	743	736	730	728	727	726	722	737	747	741
11	748	750	752	757	790	790	745	735	726	639	687	719	650	634	729	750	741	736	731	731	737	740	743	719	728
12	738	743	754	748	748	749	744	757	674	591	626	593	610	727	754	750	748	739	734	731	734	737	736	732	716
13	740	744	745	744	747	743	741	744	738	738	739	740	743	741	740	735	742	741	735	727	724	728	734	739	739
14	747	743	741	748	747	756	755	744	734	698	691	736	744	743	748	751	751	735	728	726	732	732	733	740	738
15	747	751	750	746	749	748	741	740	738	738	740	743	745	749	754	759	756	755	748	741	740	743	744	744	746
16	739	740	746	749	745	746	744	741	731	739	742	744	745	748	750	751	740	732	727	732	734	737	739	743	741
17 Q	746	746	747	747	746	745	745	744	743	742	745	747	750	749	751	755	756	748	744	742	740	741	744	748	746
18 Q	745	743	742	741	744	747	747	750	750	750	750	751	752	752	752	752	753	751	750	747	744	745	749	750	748
19 Q	752	752	748	746	739	743	744	743	745	747	748	750	752	754	754	756	756	754	751	748	747	750	752	752	749
20	751	750	742	744	746	747	747	747	746	745	744	747	753	750	747	747	752	740	733	736	746	747	747	739	746
21 D	747	767	759	754	781	790	757	733	659	508	564	620	384	637	744	715	642	701	714	747	743	738	739	747	695
22	741	761	769	747	773	766	745	713	722	690	639	545	677	720	739	742	747	746	738	736	736	737	740	744	726
23 D	747	750	749	745	741	750	652	454	549	337	075	053	333	403	527	759	742	645	677	709	744	731	742	747	598
24	740	742	750	750	739	736	729	697	617	633	736	694	718	698	623	687	740	744	746	745	740	739	718	742	717
25	753	744	731	754	754	746	740	736	710	634	686	709	736	716	703	742	729	725	736	743	737	733	731	741	728
26 D	746	750	754	775	798	761	747	735	730	687	647	519	581	687	659	731	748	739	730	734	725	730	731	759	717
27	751	749	754	744	736	747	740	739	736	738	740	740	742	734	735	754	752	745	737	736	736	731	731	740	741
28	742	742	742	736	737	741	740	746	742	743	742	743	725	724	748	756	753	745	739	739	733	733	738	744	740
29	747	746	744	741	742	743	746	746	744	746	736	733	732	740	749	755	751	748	747	741	732	733	737	746	743
30 Q	751	753	751	749	748	748	749	748	747	747	747	748	748	748	749	749	747	745	740	736	735	734	737	742	746
31 Q	746	735	735	739	743	744	746	745	742	742	741	741	753	753	753	753	753	746	740	735	736	743	750	746	744
Mean	747	748	749	750	756	750	744	727	719	700	698	694	701	718	725	743	741	737	734	734	736	738	744	746	733

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46 Meanook D = 25° E + ... ′ December 1942

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	33.4	32.5	32.1	32.0	32.4	33.9	33.6	33.5	31.2	32.1	32.2	33.3	32.1	31.1	32.0	32.6	33.2	33.5	33.1	28.4	29.0	28.7	29.9	30.7	31.9
2	31.6	31.3	30.2	30.3	31.8	32.0	32.4	32.3	32.0	31.9	31.8	32.6	32.1	32.0	32.8	32.6	34.0	34.1	32.9	32.7	31.4	30.7	29.3	28.8	31.8
3	30.1	30.1	30.5	31.4	32.0	32.0	31.8	32.1	32.0	31.8	32.0	32.1	32.0	32.2	33.1	33.9	34.7	30.6	30.5	29.7	29.3	29.0	27.9	27.8	31.2
4	27.9	27.0	30.1	29.9	31.7	31.4	41.0	33.2	30.2	33.5	32.9	33.0	33.8	34.1	25.1	25.2	31.9	33.8	31.7	30.4	30.0	29.5	30.0	30.5	31.2
5	31.0	30.5	32.7	31.7	33.5	32.8	31.9	31.9	31.6	31.4	33.1	32.4	32.6	32.9	33.6	33.0	32.9	32.9	32.4	31.0	30.3	31.0	31.4	31.7	32.1
6	32.1	32.3	32.3	32.3	32.2	32.1	31.9	31.7	31.5	31.4	31.0	31.2	32.2	33.1	30.9	32.6	34.2	32.6	31.2	28.9	27.9	28.5	30.3	30.0	31.4
7	31.8	32.4	32.8	32.9	32.8	32.9	31.8	31.9	31.8	29.2	37.0	38.2	42.1	45.8	39.5	33.6	29.5	19.6	21.0	20.6	24.4	26.4	28.2	28.4	31.4
8	28.4	30.8	33.3	34.0	34.9	34.5	32.9	32.9	31.6	30.8	34.3	36.1	40.3	42.1	33.5	30.5	26.7	25.9	24.9	27.5	22.9	20.6	24.1	27.4	30.9
9 D	29.8	29.3	32.2	35.8	32.3	33.8	31.6	31.4	32.5	33.9	35.3	34.5	37.5	40.1	37.1	32.3	32.5	34.2	31.2	28.7	24.2	27.7	24.6	33.1	32.3
10 D	35.8	28.0	33.1	40.5	47.0	34.1	31.8	27.4	30.3	36.3	34.3	34.1	37.2	32.3	33.9	38.2	36.7	34.8	31.0	28.5	27.5	29.0	30.3	30.7	33.4
11	32.0	32.9	32.8	34.0	48.9	29.6	33.3	32.2	31.6	18.0	35.7	37.2	33.2	28.4	29.2	35.6	37.2	36.1	34.0	31.5	29.8	29.5	29.0	29.4	32.5
12	31.5	31.1	33.7	33.4	33.8	33.8	34.4	36.6	33.1	25.6	33.0	36.9	30.4	30.1	37.3	38.0	37.2	34.9	32.9	31.3	29.9	30.2	30.2	30.0	32.9
13	31.9	32.4	32.7	33.3	33.9	33.5	32.3	32.6	31.3	30.9	31.4	31.6	32.8	32.5	33.0	33.0	31.8	33.3	32.3	31.2	30.6	30.3	29.8	30.1	32.0
14	31.3	32.3	32.4	32.1	33.0	34.1	33.3	32.0	32.9	29.8	34.1	37.6	34.3	35.4	37.6	36.2	34.1	31.3	28.7	28.3	30.2	29.4	30.3	30.9	32.6
15	31.9	32.1	33.1	35.5	32.9	32.5	33.6	32.9	32.1	32.4	32.0	32.1	32.0	32.7	33.8	33.7	33.5	32.7	32.4	31.3	30.7	30.2	29.5	29.4	32.3
16	30.3	30.6	30.6	32.3	34.2	38.9	29.1	35.2	35.7	35.4	35.0	34.7	34.2	33.8	33.3	34.8	35.0	32.0	31.2	30.7	29.6	30.0	30.4	30.5	32.8
17 Q	30.9	31.6	32.3	32.4	32.2	31.9	31.8	32.5	32.2	31.2	31.9	32.5	32.0	32.0	31.4	32.7	33.4	32.9	32.5	31.5	30.6	30.0	29.9	30.2	31.8
18 Q	31.6	31.9	32.6	33.0	32.4	32.6	32.5	31.7	31.0	31.3	31.7	31.5	31.8	31.8	31.5	31.6	32.3	32.3	32.1	31.4	30.7	30.5	30.8	31.3	31.7
19 Q	31.8	31.8	32.5	32.0	33.3	32.3	36.5	35.8	35.5	32.1	31.7	32.2	31.7	31.7	32.4	33.2	33.3	32.9	32.4	31.6	31.3	30.4	30.3	30.6	32.5
20	31.1	31.3	34.5	31.8	33.0	33.8	32.9	32.8	32.3	31.8	31.9	34.3	32.6	33.5	33.2	33.6	34.3	33.1	29.3	27.1	27.9	26.7	27.0	28.3	31.6
21 D	26.1	30.7	28.4	34.9	33.2	51.9	37.6	33.5	33.4	37.6	41.9	55.1	28.7	32.1	38.1	33.6	17.6	23.5	24.8	31.2	32.1	30.7	32.7	33.0	33.4
22	29.6	34.2	40.8	36.2	42.0	35.9	37.6	42.6	33.1	32.0	32.5	27.8	30.4	30.0	29.0	30.2	32.5	31.7	30.2	31.4	30.9	30.4	31.2	32.0	33.1
23 D	31.9	31.7	30.9	32.1	34.6	31.2	19.0	24.7	36.1	29.2	57.7	15.1	36.9	03.6	42.3	32.3	30.7	26.4	18.7	20.4	27.3	31.9	32.6	32.1	29.6
24	31.8	33.5	33.1	33.4	27.2	30.5	35.9	34.6	40.4	17.2	33.6	39.4	34.0	34.1	27.4	21.3	28.8	30.2	31.4	30.3	29.7	28.7	32.1	31.9	31.3
25	30.6	30.2	40.1	34.1	34.6	33.0	32.4	33.6	33.3	31.5	37.3	36.7	36.1	34.6	24.6	30.7	26.8	21.9	26.3	28.3	28.2	28.4	29.2	29.1	31.3
26 D	28.8	28.1	30.9	35.1	37.0	40.1	35.5	31.5	34.9	37.7	42.2	39.8	36.0	29.1	24.7	26.5	29.1	29.5	32.2	27.3	28.3	29.3	30.6	31.5	32.3
27	32.2	32.1	33.1	33.5	37.8	45.2	36.3	35.4	34.8	32.6	31.9	31.8	32.6	31.7	29.5	34.1	35.1	33.8	32.6	31.7	30.7	30.2	30.3	30.8	33.3
28	31.4	32.0	32.4	33.9	34.1	34.4	34.1	36.2	32.7	31.3	31.7	32.1	27.6	30.3	32.1	34.0	34.5	33.3	32.2	31.4	30.1	29.7	30.1	30.7	32.2
29	31.3	31.6	32.1	32.6	32.4	32.5	32.4	32.3	31.9	32.4	33.3	32.3	35.5	31.6	32.6	35.5	35.3	32.6	31.9	31.3	30.0	28.8	28.1	29.4	32.1
30 Q	30.5	31.3	31.8	32.8	32.6	32.6	32.5	32.2	31.7	31.6	32.0	31.3	31.4	31.5	32.0	33.3	34.6	33.5	32.8	31.7	30.1	29.1	29.1	30.3	31.8
31 Q	31.2	31.1	31.4	32.9	32.8	32.6	32.5	32.0	31.6	30.7	30.4	30.2	32.0	31.3	31.4	32.4	33.9	34.3	33.6	31.8	30.2	29.5	30.1	31.2	31.7
Mean	31.0	31.2	32.6	33.3	34.4	34.3	33.1	32.9	32.8	31.1	34.4	33.9	33.5	32.2	32.5	32.6	32.5	31.4	30.5	29.6	29.2	29.2	29.6	30.4	32.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook Z = 59,000 γ + December 1942

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	204	200	198	198	196	195	193	185	160	182	189	187	184	178	172	184	184	183	182	183	190	204	201	202	189
2	204	204	199	200	204	200	200	199	194	193	192	190	190	189	189	189	190	188	185	188	190	192	192	192	194
3	193	193	193	193	193	192	192	192	192	192	190	190	189	189	189	190	192	185	182	183	185	188	193	211	191
4	212	209	198	201	198	204	207	204	211	199	195	192	185	162	118	091	149	171	176	183	188	190	195	196	185
5	195	198	210	224	212	201	194	193	192	190	187	187	188	188	188	187	184	183	183	184	184	186	187	187	192
6	189	189	189	189	189	189	189	189	189	189	187	184	180	180	180	181	181	180	180	181	183	186	192	196	186
7	192	189	188	188	190	193	190	189	180	116	106	127	062	103	151	149	129	130	155	168	183	195	201	209	162
8	220	209	204	192	199	202	194	183	019	147	171	181	155	119	092	125	137	144	160	180	199	205	215	202	169
9 D	202	213	233	235	247	234	215	201	196	161	130	160	171	158	074	159	171	168	183	184	223	255	301	292	199
10 D	279	284	297	268	220	215	260	106	091	174	202	200	175	190	198	195	199	199	199	199	205	211	220	211	208
11	202	202	206	228	247	270	226	204	176	076	114	165	146	114	175	204	195	196	195	196	201	204	208	215	190
12	232	217	206	202	201	201	200	181	133	128	117	123	105	158	200	211	212	201	193	199	201	202	202	202	184
13	204	202	202	201	202	201	199	196	194	193	193	192	193	192	186	185	174	178	188	194	198	199	199	197	194
14	199	202	204	211	224	222	223	200	181	116	128	144	171	167	171	180	174	181	193	189	194	197	197	195	186
15	195	194	195	195	193	192	190	190	182	184	188	189	183	182	187	188	187	184	186	187	188	189	190	190	189
16	192	193	199	201	205	211	179	204	184	184	185	186	186	187	188	185	184	192	193	193	193	194	196	196	192
17 Q	195	193	192	192	192	192	192	192	185	183	189	189	184	182	183	187	182	182	182	185	186	189	190	192	188
18 Q	190	192	192	194	193	192	190	189	189	188	188	188	188	188	188	188	189	189	189	189	188	189	189	189	190
19 Q	190	190	190	192	194	195	192	172	180	185	188	189	190	190	190	190	189	187	187	187	187	187	187	187	188
20	188	192	198	201	204	207	202	193	188	182	170	175	185	186	187	185	181	178	184	187	189	193	192	193	189
21 D	198	199	234	247	239	232	214	182	115	062	-021	014	-072	-107	063	151	110	159	171	204	206	202	212	214	143
22	209	236	223	243	253	225	204	181	168	137	129	065	125	159	180	185	197	195	196	197	201	199	198	197	188
23 D	195	193	195	204	212	225	138	-019	100	214	-048	-061	-152	-244	-151	154	179	151	192	193	225	212	211	214	114
24	218	214	213	213	175	170	178	158	082	-013	153	133	149	138	074	111	146	176	193	196	199	206	214	214	163
25	214	213	250	234	204	195	193	192	116	063	104	126	152	140	149	161	157	170	164	182	193	198	210	214	175
26 D	220	237	234	236	192	231	212	068	104	106	106	052	096	141	116	147	159	171	200	202	205	225	245	266	174
27	214	200	200	202	214	211	206	193	189	190	193	190	189	182	180	189	192	190	190	193	194	198	198	199	196
28	199	198	199	207	204	199	188	182	185	189	189	185	162	135	169	184	186	188	192	194	199	199	198	195	188
29	194	195	195	199	200	201	198	192	181	180	181	171	154	174	186	194	192	193	194	195	198	199	198	195	190
30 Q																									
31 Q	198	198	198	198	198	197	194	193	192	187	186	178	188	189	193	195	194	194	195	194	193	193	194	193	193
Mean	204	205	208	210	206	206	198	176	162	156	153	153	147	144	152	174	176	180	185	190	196	200	204	205	183

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook — December 1942

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	17	04	767	19	30	714	53	17	02	38.7	21	16	25.8	12.9	21	20	217	08	24	139	78
2	02	31	763	20	56	722	41	17	37	36.3	22	12	28.4	07.9	00	56	209	18	22	183	26
3	02	16	755	23	40	719	36	16	26	36.9	23	22	26.3	10.6	23	38	225	18	52	180	45
4	06	44	790	15	00	657	133	06	46	56.2	15	00	14.1	42.1	06	46	237	15	10	74	163
5	07	17	755	16	41	721	34	14	45	34.9	20	26	30.2	04.7	03	16	228	16	15	181	47
6	16	52	758	11	00	735	23	16	34	35.3	20	05	27.4	07.9	23	30	199	12	32	173	26
7	24	00	768	12	14	672	96	13	14	51.8	17	36	18.1	33.7	23	55	224	12	47	19	205
8	00	53	774	08	27	609	65	13	09	45.6	21	17	18.8	26.8	01	00	225	08	28	-106	331
9 D	22	33	981	14	37	580	401	11	49	43.0	19	47	17.7	25.3	22	22	340	15	00	31	309
10 D	04	25	1203	07	17	427	776	04	24	88.6	05	01	-03.4	92.0	00	16	356	07	13	-89	445
11	04	14	835	09	23	546	289	04	15	71.0	09	22	08.6	62.4	05	17	333	09	25	-10	343
12	07	28	807	09	55	511	296	07	28	52.6	10	51	15.1	37.5	00	45	236	09	49	63	173
13	16	19	758	20	00	719	39	15	32	37.9	16	09	27.6	10.3	00	15	205	16	14	169	36
14	14	53	769	10	04	623	146	14	34	41.0	19	06	24.4	16.6	04	55	236	09	48	73	163
15	14	04	767	19	56	730	37	03	36	40.4	21	03	27.8	12.6	03	37	201	12	56	178	23
16	06	03	774	06	26	715	59	05	25	46.2	06	15	22.5	23.7	05	15	227	06	14	138	89
17 Q	16	24	762	09	03	730	32	15	37	35.1	23	02	28.8	06.3	00	10	197	13	55	180	17
18 Q	16	36	755	03	00	736	19	16	36	34.5	19	12	30.2	04.3	03	30	196	12	30	187	9
19 Q	06	54	760	07	59	734	26	06	50	47.0	09	52	29.2	17.8	06	49	200	07	04	167	33
20	11	46	756	17	51	718	38	02	41	36.6	23	36	24.9	11.7	04	50	212	10	21	162	50
21 D	04	56	899	12	52	327	572	11	54	80.9	12	20	04.9	76.0	04	55	273	13	00	-264	537
22	05	00	842	11	30	355	487	01	56	58.6	11	54	20.4	38.2	04	25	284	11	29	-68	352
23 D	15	55	865	10	52	-248	1113	10	27	113.4	11	04	-69.1	182.5	09	08	416	11	55	-396	812
24	04	32	804	09	02	436	368	08	33	45.1	09	04	04.9	40.2	22	50	225	09	00	-155	380
25	15	06	766	09	36	563	203	02	38	47.2	14	15	20.2	27.0	02	34	268	09	37	3	265
26 D	04	17	918	11	54	355	563	12	04	50.7	14	56	17.5	33.2	23	24	286	07	32	-111	397
27	15	26	762	21	34	722	40	04	19	51.9	14	25	28.3	23.6	04	45	222	14	40	166	56
28	15	42	760	12	48	680	80	06	45	39.3	12	53	19.8	19.5	03	29	211	13	06	104	107
29	15	44	762	12	03	725	37	12	20	37.3	22	27	27.3	10.0	05	50	202	12	23	140	62
30 Q	01	17	762	05	07	730	32	16	30	34.8	22	10	28.8	06.0							
31 Q	15	55	754	11	04	729	25	17	30	34.8	11	11	26.7	08.1	04	00	199	11	29	170	29
Mean			805			603	202			47.9			18.5	29.4			243			56	187
No. days			31			31	31			31			31	31			30			30	30

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

HORIZONTAL INTENSITY (gammas) (All Days)

Table 49 Meanook 1942

Month / Season \ 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
January	+9	+13	+14	+15	+15	+11	+9	+3	-18	-27	-34	-9	-1	+3	+3	+6	+7	+4	-2	-6	-8	-7	-2	+5
February	+12	+16	+15	+19	+22	+22	+18	+10	0	-17	-29	-30	-5	+3	-15	-25	-21	-12	-14	-6	+1	+7	+8	+9
March	+43	+63	+67	+64	+61	+42	+21	-12	-32	-93	-86	-55	-52	-31	-17	-4	-10	-20	-16	-9	+14	+17	+26	+25
April	+53	+74	+68	+53	+45	+34	-3	-36	-47	-60	-67	-67	-57	-25	-20	-8	-8	-11	-8	-1	+8	+17	+23	+36
May	+21	+25	+21	+19	+19	+19	-2	-32	-18	-18	-13	-7	+4	+8	+6	+1	-7	-15	-17	-16	-11	-4	+5	+13
June	+20	+26	+26	+25	+15	+13	+8	-2	-18	-26	-23	-6	0	-3	+2	+1	-5	-10	-18	-17	-16	-9	-2	+8
July	+32	+34	+30	+28	+30	+12	-12	-19	-50	-45	-55	-47	-20	-10	+2	+11	+15	+2	-1	+1	+4	+10	+17	+30
August	+21	+25	+24	+26	+27	+14	-1	-37	-36	-27	-33	-13	-17	+2	+11	+5	-5	-13	-16	-16	-6	+11	+22	+23
September	+34	+29	+25	+34	+29	+30	-12	-7	-64	-66	-68	-27	-10	+3	+5	+8	-2	-7	-10	-6	+1	+16	+26	+36
October	+43	+46	+47	+45	+39	+22	-19	-24	-39	-38	-66	-51	-51	-36	-14	-9	-9	-7	+2	+7	+15	+32	+37	+35
November	+25	+36	+31	+30	+27	+16	+8	-13	-43	-61	-46	-30	-35	-14	+4	+6	+3	-5	-4	-4	+4	+10	+17	+24
December	+14	+15	+16	+17	+23	+17	+11	-6	-14	-33	-35	-39	-32	-15	-8	+10	+8	+4	+1	+1	+3	+5	+11	+13
Year	+27.2	+33.5	+32.0	+31.2	+29.3	+21.0	+2.2	-14.6	-31.6	-42.6	-46.2	-31.8	-23.0	-9.6	-3.4	+0.2	-2.8	-7.2	-8.6	-6.0	+0.8	+8.8	+15.7	+21.4
Winter	+15.0	+20.0	+19.0	+20.2	+21.8	+16.5	+11.5	-1.5	-18.8	-34.5	-36.0	-27.0	-18.2	-5.8	-4.0	-0.8	-0.8	-1.2	-4.8	-3.8	0.0	+3.8	+8.5	+12.8
Equinox	+43.2	+53.0	+51.8	+49.0	+43.5	+32.0	-3.2	-19.8	-45.5	-64.2	-71.8	-50.0	-42.5	-22.2	-11.5	-3.2	-7.2	-11.2	-8.0	-2.2	+9.5	+20.5	+28.0	+33.0
Summer	+23.5	+27.5	+25.2	+24.5	+22.8	+14.5	-1.8	-22.5	-30.5	-29.0	-31.0	-18.2	-8.2	-0.8	+5.2	+4.5	-0.5	-9.0	-13.0	-12.0	-7.2	+2.0	+10.5	+18.5

DECLINATION (minutes) (All Days)

Table 50 Meanook 1942

Month / Season \ 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
January	-1.8	-1.1	-0.2	+1.1	+1.1	+1.5	+1.7	+0.2	-0.1	+1.0	+2.8	+2.2	+1.1	+0.9	+1.5	+1.9	+2.3	+1.0	-0.1	-1.7	-3.9	-4.2	-3.7	-2.8
February	-2.1	-1.6	-0.7	+0.1	-0.6	-0.3	+0.7	-0.7	0.0	+0.7	+2.6	+3.0	+4.3	+3.6	+3.2	+2.7	+1.2	-1.0	-1.5	-3.5	-3.2	-2.5	-2.3	-2.3
March	-2.4	-1.4	-1.1	-0.4	0.0	-1.4	-0.1	-0.9	-2.0	-2.1	+1.1	+4.6	+1.5	+4.4	+3.6	+4.2	+5.3	+2.2	-1.0	-2.3	-2.8	-3.4	-3.5	-3.0
April	-5.4	-4.5	-2.8	-2.2	-0.8	-1.5	0.0	-0.1	+0.6	+0.5	+3.3	+5.3	+6.8	+6.8	+6.6	+6 0	+5.6	+3.0	+0.2	-3.8	-5.7	-6.2	-6.3	-6.3
May	-5.6	-4.4	-3.0	-2.3	-2.0	-0.6	-0.8	+0.9	+1.3	+0.9	+1.3	+2.6	+5.1	+7.1	+8.6	+8.7	+7.3	+4.2	+0.4	-3.2	-5.7	-7.1	-7.5	-7.1
June	-6.3	-5.0	-3.9	-2.7	-1.1	-0.5	-0.6	-0.5	+0.4	-0.1	+0.4	+1.8	+4.7	+7.5	+9.3	+9.5	+8.3	+5.3	+1.6	-2.6	-5.3	-6.3	-7.1	-6.9
July	-6.1	-3.9	-3.3	-2.5	-1.5	-0.2	+1.0	+0.3	+1.3	+0.1	+2.0	+1.6	+2.9	+6.3	+8.3	+8.7	+7.2	+5.2	+1.4	-2.0	-4.7	-6.8	-7.6	-7.6
August	-2.8	-1.8	-1.7	+0.1	0.0	-0.2	-0.4	-2.0	-2.1	-2.6	+0.6	+0.9	+4.2	+6.8	+8.3	+8.9	+6.2	+3.1	-0.5	-4.3	-5.9	-6.2	-5.4	-4.1
September	-2.6	-1.6	-0.5	+0.4	+0.4	-0.7	-2.0	-1.6	-0.8	-1.0	-0.3	+0.3	+3.8	+5.0	+7.8	+7.4	+5.3	+2.4	-0.7	-3.7	-4.9	-5.1	-4.1	-2.9
October	-1.5	+1.4	+1.0	+2.6	+1.8	+0.7	-3.9	-2.3	-1.3	-0.5	+0.2	+3.0	+3.9	+1.1	+4.2	+3.9	+1.5	+0.5	-2.6	-3.1	-3.6	-3.0	-2.4	-2.0
November	-0.3	-0.3	+1.6	+3.8	+2.9	+1.5	+0.7	+0.4	-4.2	-1.1	+1.1	+1.7	+2.8	+2.3	+1.6	+1.8	+1.2	-0.3	-2.4	-3.5	-3.4	-3.2	-2.3	-1.7
December	-1.0	-0.8	+0.6	+1.3	+2.4	+2.3	+1.1	+0.9	+0.8	-0.9	+2.4	+1.9	+1.5	+0.2	+0.5	+0.6	+0.5	-0.6	-1.5	-2.4	-2.8	-2.8	-2.4	-1.6
Year	-3.16	-2.08	-1.17	-0.06	+0.22	+0.05	-0.22	-0.45	-0.51	-0.42	+1.46	+2.41	+3.55	+4.33	+5.29	+5.36	+4.32	+2.08	-0.56	-3.01	-4.32	-4.73	-4.55	-4.02
Winter	-1.30	-0.95	+0.32	+1.58	+1.45	+1.25	+1.05	+0.20	-0.88	-0.08	+2.22	+2.20	+2.42	+1.75	+1.70	+1.75	+1.30	-0.22	-1.38	-2.78	-3.32	-3.18	-2.68	-2.10
Equinox	-2.98	-1.52	-0.85	+0.10	+0.35	-0.72	-1.50	-1.22	-0.88	-0.78	+1.08	+3.30	+4.00	+4.32	+5.55	+5.38	+4.42	+2.02	-1.02	-3.22	-4.25	-4.42	-4.08	-3.55
Summer	-5.20	-3.78	-2.98	-1.85	-1.15	-0.38	-0.20	-0.32	+0.22	-0.42	+1.08	+1.72	+4.22	+6.92	+8.62	+8.95	+7.25	+4.45	+0.72	-3.02	-5.40	-6.60	-6.90	-6.42

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Meanook 1942

Month / Season \ 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
January	+15	+17	+19	+22	+18	+16	+9	-3	-20	-26	-29	-24	-20	-14	-12	-11	-8	-4	0	+4	+5	+8	+.3	+13
February	+17	+20	+23	+27	+30	+24	+14	-3	-30	-26	-24	-26	-24	-22	-19	-14	-18	-13	0	+4	+10	+15	+16	+16
March	+34	+32	+32	+26	+24	+17	+10	-25	-50	-55	-46	-29	-27	-28	-23	-7	-6	-5	+5	+14	+25	+27	+28	+26
April	+29	+23	+15	+21	+21	+1	-12	-10	-26	-42	-18	-15	-21	-24	-24	-20	-10	-2	+8	+14	+17	+21	+23	+28
May	+17	+21	+26	+25	+19	+9	-1	-9	-19	-24	-33	-27	-17	-9	-8	-7	-6	-5	-4	-2	+4	+10	+14	+17
June	+26	+38	+40	+34	+23	+18	+8	-8	-30	-42	-38	-18	-11	-12	-13	-9	-10	-10	-8	-7	-3	+4	+8	+15
July	+37	+38	+36	+36	+32	+1	-15	-22	-44	-38	-42	-31	-19	-20	-19	-12	-1	-1	+2	+1	+7	+12	+21	+30
August	+37	+40	+40	+32	+15	-19	-20	-45	-61	-52	-41	-21	-19	-7	-3	-1	+1	+3	+5	+11	+15	+25	+31	+34
September	+29	+30	+33	+25	+10	+2	-19	-39	-39	-53	-57	-40	-17	-8	-16	-6	+2	+8	+14	+18	+22	+27	+32	+37
October	+41	+46	+41	+31	+24	-8	-22	-46	-46	-47	-53	-55	-61	-36	-20	-1	+2	+12	+22	+27	+33	+36	+37	+38
November	+36	+32	+35	+22	+18	+14	-4	-18	-60	-45	-38	-42	-36	-24	-14	-5	+3	+4	+11	+14	+22	+24	+30	+30
December	+21	+22	+25	+27	+23	+23	+15	-7	-21	-27	-30	-30	-36	-39	-31	-9	-7	-3	+2	+7	+13	+17	+21	+22
Year	+28.2	+29.9	+30.4	+27.3	+21.4	+8.2	-3.1	-19.6	-37.2	-39.7	-37.4	-29.8	-25.7	-20.2	-16.8	-8.5	-4.8	-1.3	+4.8	+8.8	+14.2	+18.8	+22.8	+25.5
Winter	+22.2	+22.8	+25.5	+24.5	+22.2	+19.2	+8.5	-7.8	-32.8	-31.0	-30.2	-30.5	-29.0	-24.8	-19.0	-9.8	-7.5	-4.0	+3.2	+7.2	+12.5	+16.0	+20.0	+20.2
Equinox	+33.2	+32.8	+30.2	+25.8	+19.8	+3.0	-10.8	-30.0	-40.2	-49.2	-43.5	-34.8	-31.5	-24.0	-20.8	-8.5	-3.0	+3.2	+12.2	+18.2	+24.2	+27.8	+30.0	+32.2
Summer	+29.2	+34.2	+35.5	+31.8	+22.2	+2.2	-7.0	-21.0	-38.5	-39.0	-38.5	-24.2	-16.5	-12.0	-10.8	-7.2	-4.0	-3.2	-1.2	+0.8	+5.8	+12.8	+18.5	+24.0

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

HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 52 Meanook 1942

Month / Season \ 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
January	+4	+7	+7	+6	+5	+4	+2	+2	-1	+1	-5	+2	+3	+7	+6	+7	+3	-5	-9	-11	-12	-11	-9	-2
February	0	+3	+1	+1	0	0	+1	0	-1	-3	+4	+2	+4	+7	+6	+1	-5	-9	-9	-7	-3	0	+4	+2
March	+4	+4	+8	+6	+6	+6	+7	+9	+7	+5	-8	+1	+2	+8	+8	+6	+1	-12	-19	-17	-13	-9	-6	0
April	-5	+1	+1	+5	+5	+4	+2	+6	+7	+9	+10	+11	+10	+11	+8	+4	-2	-14	-16	-15	-13	-14	-13	-8
May	+7	+3	0	-2	-1	+1	+4	+7	+7	+9	+7	+8	+9	+13	+10	+5	-10	-23	-22	-20	-14	-8	0	+10
June	+1	+5	+7	+5	+1	0	0	-2	-1	+2	+3	+10	+12	+15	+17	+13	+2	-10	-20	-21	-18	-15	-6	+1
July	+1	0	+4	+1	0	+3	+3	+2	+6	+5	+1	+1	+1	+2	+10	+11	+7	+1	-13	-16	-13	-11	-4	+1
August	+5	+7	+7	+7	+6	+7	+8	+7	+1	+4	+7	+8	+10	+13	+12	+5	-9	-24	-26	-26	-20	-13	-1	+8
September	+4	+5	+8	+8	+7	+9	+9	+11	+11	+4	+11	+8	+2	+9	+11	+5	-8	-18	-27	-28	-20	-10	-4	-1
October	+2	+3	+3	+2	+2	+5	+2	-1	-5	-2	+6	+4	+3	+13	+14	+6	-3	-11	-17	-17	-12	-3	+1	+3
November	-4	+5	+9	+8	+6	+5	+9	+4	+1	-2	-8	-11	-17	+5	+4	+3	+1	-2	-5	-10	-8	-3	+3	+6
December	+1	-1	-2	-2	-3	-1	0	-1	-1	-1	0	+1	+4	+5	+5	+6	+6	+2	-2	-5	-6	-4	0	+1
Year	+1.7	+3.5	+4.4	+3.2	+2.8	+3.6	+3.9	+3.7	+2.6	+2.8	+2.3	+3.8	+3.6	+9.0	+9.2	+6.0	-1.4	-10.4	-15.4	-16.1	-12.7	-8.4	-2.9	+1.8
Winter	+0.2	+3.5	+3.8	+3.2	+2.0	+2.0	+3.0	+1.2	-0.5	-1.2	-2.2	-1.5	-1.5	+6.0	+5.2	+4.2	+1.2	-3.5	-6.2	-8.2	-7.2	-4.5	-0.5	+1.8
Equinox	+1.2	+3.2	+5.0	+5.2	+5.0	+6.0	+5.0	+6.2	+5.0	+4.5	+4.8	+6.0	+4.2	+10.2	+10.2	+5.2	-3.0	-13.8	-19.8	-19.2	-14.5	-9.0	-5.5	-1.5
Summer	+3.5	+3.8	+4.5	+1.2	+1.5	+2.8	+3.8	+3.5	+3.2	+5.0	+4.5	+6.8	+8.0	+10.8	+12.2	+8.5	-2.5	-14.0	-20.2	-20.8	-16.2	-11.8	-2.8	+5.0

DECLINATION (minutes) (Quiet Days)

Table 53 Meanook 1942

Month / Season \ 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
January	-1.1	-0.9	-0.4	0.0	+0.1	-0.4	0.0	0.0	-1.0	-0.3	-0.1	+1.4	+0.3	+0.1	+1.5	+2.9	+3.9	+3.4	+0.9	-0.9	-2.4	-2.7	-2.1	-1.6
February	-1.5	-1.5	-0.7	-0.3	+0.2	+0.3	-0.9	-0.8	+0.4	+0.5	+1.1	+0.8	+1.8	+2.2	+2.3	+2.3	+1.9	+0.8	-0.2	-1.1	-1.8	-2.0	-1.9	-1.6
March	-2.5	-2.0	-1.5	-1.6	-1.5	0.0	-0.2	+1.4	+0.4	0.0	-0.7	+1.6	+0.9	+1.6	+3.5	+5.1	+6.2	+5.0	+1.7	-1.4	-3.6	-4.2	-4.4	-4.0
April	-3.9	-2.7	-1.2	-1.0	-1.3	+0.1	-1.2	+0.1	+0.2	+0.3	+0.7	+1.8	+2.8	+4.3	+5.7	+6.6	+6.6	+5.3	+1.4	-2.7	-4.9	-5.8	-5.7	-5.2
May	-3.8	-2.0	-1.2	-1.0	-1.2	-1.1	-0.9	-0.8	+0.6	-0.1	+0.6	+2.1	+4.5	+6.8	+8.0	+8.4	+6.9	+3.1	-1.9	-4.8	-5.3	-6.0	-6.2	-5.3
June	-5.4	-4.2	-3.0	-1.4	-0.8	-1.4	-1.7	+0.4	+0.9	-0.1	+0.3	+1.6	+3.9	+6.2	+8.0	+8.8	+7.8	+5.4	+2.9	-1.4	-4.9	-6.8	-7.9	-7.7
July	-4.3	-2.8	-1.6	-2.2	-1.6	-1.6	-0.6	-1.1	-1.3	-0.8	-1.8	-0.2	+3.6	+6.7	+8.9	+8.8	+7.9	+6.2	+2.9	-0.7	-4.2	-6.4	-7.0	-6.4
August	-1.4	-0.5	-0.7	-1.3	-1.4	-0.1	-0.9	-0.5	-2.5	-1.9	+0.1	+0.9	+2.6	+5.1	+7.2	+7.5	+6.0	+3.3	-0.6	-2.9	-4.5	-5.1	-4.9	-3.5
September	-2.4	-2.4	-1.3	-1.2	-1.5	-0.8	-1.1	-0.7	+0.2	-0.1	+2.5	+1.5	+1.3	+3.3	+5.9	+6.9	+6.7	+3.9	+1.5	-3.1	-5.2	-5.4	-4.9	-3.3
October	-1.8	-0.6	-1.6	-1.1	-1.0	+2.0	-0.5	-0.6	0.0	-0.5	+1.2	+1.9	+1.7	+3.4	+4.7	+4.8	+4.9	+2.7	-1.1	-3.3	-4.6	-4.7	-3.7	-3.2
November	-0.6	0.0	+0.1	+0.4	+0.2	+0.8	+2.0	0.0	+0.7	+0.2	+0.8	+0.2	-0.9	+1.9	+2.3	+2.2	+2.3	+1.2	-1.5	-2.6	-3.0	-2.5	-2.2	-1.8
December	-0.7	-0.4	+0.2	+0.7	+0.8	+0.5	+1.3	+0.9	+0.5	-0.5	-0.4	-0.4	-0.1	-0.2	-0.2	+0.7	+1.6	+1.3	+0.8	-0.3	-1.3	-2.0	-1.9	-1.2
Year	-2.45	-1.67	-1.07	-0.83	-0.75	-0.14	-0.39	-0.14	-0.08	-0.28	+0.36	+1.10	+1.87	+3.45	+4.82	+5.42	+5.22	+3.47	+0.57	-2.10	-3.81	-4.47	-4.40	-3.73
Winter	-0.98	-0.70	-0.20	+0.20	+0.32	+0.30	+0.60	+0.02	+0.15	-0.02	+0.35	+0.50	+0.28	+1.00	+1.48	+2.02	+2.42	+1.68	0.00	-1.22	-2.12	-2.30	-2.02	-1.55
Equinox	-2.65	-1.92	-1.40	-1.22	-1.32	+0.32	-0.75	+0.05	+0.20	-0.08	+0.92	+1.70	+1.68	+3.15	+4.95	+5.85	+6.10	+4.22	+0.88	-2.62	-4.58	-5.02	-4.68	-3.92
Summer	-3.72	-2.38	-1.62	-1.48	-1.25	-1.05	-1.02	-0.50	-0.58	-0.72	-0.20	+1.10	+3.65	+6.20	+8.02	+8.38	+7.15	+4.50	+0.82	-2.45	-4.72	-6.08	-6.50	-5.72

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Meanook 1942

Month / Season \ 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
January	+4	+5	+5	+6	+6	+9	+6	+2	-4	-4	-12	-12	-3	0	+1	0	-1	-1	-1	-1	-1	-1	-1	-1
February	+2	+6	+5	+4	+4	+6	+5	+3	-2	-10	-8	-6	-7	-4	-3	-2	-2	-2	-2	0	+2	+3	+3	0
March	+7	+6	+7	+8	+8	+8	+6	+5	-3	-8	-25	-18	-17	-10	-3	+1	+2	+1	+1	+2	+4	+6	+7	+7
April	+6	+6	+7	+7	+7	+6	+5	+4	+1	0	-1	-2	-3	-2	-3	-4	-2	-3	-5	-5	-4	-3	-4	-3
May	+15	+13	+10	+7	+4	-2	0	+3	-11	-6	-6	-4	-1	0	-3	-3	-5	-7	-9	-9	-4	+3	+6	+11
June	+8	+8	+7	+7	+7	+7	+8	-3	-7	-9	-8	-1	+2	+2	+1	+1	-2	-6	-9	-8	-6	-1	+3	+7
July	+13	+13	+15	+13	+13	+12	+13	+8	-2	-3	-9	-15	-15	-19	-11	-5	-4	-6	-7	-7	-3	0	+4	+8
August	+17	+19	+14	+12	+7	+7	+2	-7	-22	-28	-10	-3	+3	+2	+1	0	-2	-5	-8	-5	-2	+1	+5	+4
September	+7	+8	+9	+11	+10	+10	+7	+6	+5	-16	-15	-14	-16	-11	-7	-3	-2	-2	-2	-1	0	+4	+6	+7
October	+10	+15	+13	+12	+10	+1	-1	-11	-27	-30	-9	-9	-10	-2	+3	+3	+3	+3	+3	+4	+5	+6	+7	+7
November	+15	+11	+9	+6	+6	+7	+4	-1	-3	-5	-12	-18	-22	-8	-6	-4	-4	-4	-1	+2	+6	+8	+8	+10
December	+4	+4	+3	+4	+4	+4	+2	-3	-3	-4	-2	-4	-3	-2	-1	0	-1	-2	-2	-1	-1	0	0	0
Year	+9.0	+9.5	+8.7	+8.1	+7.2	+6.2	+4.8	+0.5	-6.5	-10.2	-11.4	-8.8	-7.7	-4.5	-2.6	-1.4	-1.7	-2.8	-3.5	-2.4	-0.3	+2.2	+3.7	+4.8
Winter	+6.2	+6.5	+5.5	+5.0	+5.0	+6.5	+4.2	+0.2	-3.0	-5.8	-8.5	-10.0	-8.8	-3.5	-2.2	-1.5	-2.0	-2.2	-1.5	0.0	+1.5	+2.5	+2.5	+2.2
Equinox	+7.5	+8.8	+9.0	+9.5	+8.8	+6.2	+4.2	+1.0	-6.0	-13.5	-17.5	-10.8	-11.5	-6.2	-2.5	-0.8	+0.2	-0.2	-0.8	0.0	+1.2	+3.2	+4.0	+4.5
Summer	+13.2	+13.2	+11.5	+9.8	+7.8	+6.0	+5.8	+0.2	-10.5	-11.5	-8.2	-5.8	-2.8	-3.8	-3.0	-1.8	-3.2	-6.0	-8.2	-7.2	-3.8	+0.8	+4.5	+7.5

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

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Meanook 1942

Month / Season \ 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
January	+28	+37	+38	+50	+56	+29	+12	+6	-88	-147	-144	-17	+19	+21	-8	-4	+19	+21	+13	+11	+9	+6	+12	+21
February	+56	+66	+60	+76	+72	+80	+64	+47	+26	-27	-95	-174	-33	+1	-100	-142	-98	-28	-23	+13	+26	+44	+47	+44
March	+127	+178	+200	+140	+82	+66	+50	+26	-63	-257	-186	-109	-141	-79	-63	-77	-81	-86	-42	-9	+93	+68	+86	+77
April	+141	+217	+232	+172	+136	+115	-87	-216	-208	-216	-265	-271	-159	-14	-51	-38	+8	+29	+32	+71	+70	+89	+88	+103
May	+63	+72	+58	+69	+59	+57	-61	-112	-59	-124	-48	0	+10	-1	-5	-11	-19	-22	-15	-9	-4	+17	+34	+47
June	+34	+41	+39	+60	+20	+20	+29	-14	-32	-34	-8	-5	0	-24	-37	-14	-12	-30	-31	-20	-25	-1	+14	+24
July	+75	+74	+70	+76	+69	+24	-55	-75	-147	-79	-152	-125	-101	-77	-55	+4	+53	+22	+34	+56	+64	+72	+80	+98
August	+42	+68	+72	+85	+65	+77	-35	-81	-90	-101	-91	-43	-114	-25	-21	-4	-20	-10	-10	-6	+18	+47	+73	+63
September	+105	+96	+66	+106	+82	+79	-33	+1	-305	-191	-223	-84	-33	-16	+1	+24	+24	+27	+20	+29	+29	+56	+64	+95
October	+106	+95	+141	+113	+65	+18	-110	-45	-68	-106	-255	-183	-152	-78	-10	-19	-35	-13	+23	+51	+80	+141	+128	+107
November	+96	+128	+83	+95	+86	+19	-25	-81	-152	-269	-174	-36	-66	-61	+6	+17	+16	+22	+27	+23	+39	+38	+64	+95
December	+58	+58	+60	+70	+100	+62	+41	-47	-40	-101	-155	-167	-146	-64	-42	+35	+22	+6	+10	+23	+35	+38	+68	+71
Year	+77.6	+94.2	+93.2	+92.7	+74.3	+53.8	-17.5	-49.2	-102.2	-137.7	-149.7	-117.7	-76.3	-34.8	-32.1	-19.1	-8.4	-5.2	+3.2	+19.8	+36.2	+51.2	+63.2	+70.6
Winter	+59.5	+72.2	+60.2	+72.8	+78.5	+47.5	+23.0	-18.8	-63.5	-136.0	-142.0	-148.5	-56.5	-25.8	-36.0	-23.5	-10.2	+5.2	+6.8	+17.5	+27.2	+31.5	+47.8	+57.2
Equinox	+119.8	+146.5	+159.8	+132.8	+91.2	+69.5	-45.0	-58.5	-161.0	-192.5	-232.2	-161.8	-121.2	-46.8	-30.8	-27.5	-15.5	-10.8	+8.2	+35.5	+68.0	+88.5	+91.5	+95.5
Summer	+53.5	+63.8	+59.8	+72.5	+53.2	+44.5	-30.5	-70.5	-82.0	-84.5	-74.8	-43.2	-51.2	-31.8	-29.5	-6.2	+0.5	-10.0	-5.5	+5.2	+13.2	+33.8	+50.2	+58.0

DECLINATION (minutes) (Disturbed Days)

Table 56 Meanook 1942

Month / Season \ 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
January	-2.8	-2.1	-0.4	+4.3	+0.5	-1.1	+2.6	0.0	+2.3	+1.6	+11.3	+5.2	+3.2	+2.1	+1.1	-0.8	-1.0	-1.2	-1.8	-4.0	-5.1	-4.5	-5.1	-3.7
February	-5.4	-4.5	-1.2	+0.7	-3.7	-0.9	+0.5	+1.2	+3.6	+1.6	+7.6	+6.2	+8.6	+7.3	+5.3	+3.2	-2.0	-6.9	-3.3	-7.0	-4.3	-1.6	-2.3	-2.7
March	+6.2	+3.2	+1.8	+4.6	-0.7	-3.1	-1.1	-8.6	-19.7	-25.4	-13.4	+7.4	-2.7	+13.2	+9.9	+3.0	+8.8	+3.4	-0.1	+0.8	+4.9	+3.8	+1.3	+3.2
April	-12.1	-10.4	-7.7	-6.2	-2.4	-9.8	+2.2	-0.4	-2.1	+1.6	+10.9	+17.0	+26.1	+11.2	+8.8	+5.8	+2.0	+1.9	-2.7	-9.1	-7.4	-8.4	-8.9	-7.3
May	-6.0	-7.0	-7.1	-6.3	-6.2	-1.9	-1.1	+4.0	+3.2	+2.0	+7.2	+7.6	+8.3	+8.9	+9.3	+9.5	+7.5	+2.3	-0.6	-2.7	-5.9	-6.5	-7.8	-8.9
June	-7.2	-5.7	-5.0	-3.5	-2.4	-1.1	-1.1	-2.8	-1.9	+0.1	+2.0	+3.4	+5.3	+9.5	+11.3	+11.5	+11.8	+4.6	+1.2	-3.1	-6.9	-7.0	-6.7	-6.4
July	-10.9	-7.2	-7.7	-7.0	-3.9	-0.8	+1.5	+2.4	+5.8	+8.3	+11.5	+7.2	+5.4	+7.2	+7.8	+6.9	+4.3	+4.2	-0.6	-3.0	-3.0	-7.6	-11.7	-13.0
August	-4.2	-2.4	-3.0	-0.8	-3.7	+0.5	+4.0	-1.1	0.0	-11.2	+5.7	+5.0	+9.4	+10.0	+10.4	+10.9	+2.1	0.0	-1.1	-6.9	-7.0	-7.7	-5.9	-4.9
September	-5.0	-1.4	+0.7	-1.9	+0.6	+1.0	-3.7	-0.6	-0.8	-2.2	-3.0	+0.8	+11.2	+7.1	+11.2	+8.0	+4.4	+2.9	-1.8	-4.2	-5.8	-7.2	-5.1	-5.4
October	-2.9	-1.9	+2.6	+9.4	-0.8	-6.3	-16.8	-9.9	-2.9	+3.4	-3.1	+16.5	+10.2	+3.9	+12.1	+9.1	-1.1	-1.0	-7.6	-5.3	-2.8	+0.3	-2.0	-3.0
November	+0.3	-1.0	+1.8	+13.5	+10.3	+1.1	+3.4	+1.8	-13.7	-9.4	+2.7	+4.5	+5.8	+1.9	-1.7	-1.5	-3.7	-2.9	-3.4	-1.8	-2.6	-2.9	-1.9	-0.3
December	-1.7	-2.6	-1.1	+3.5	+4.5	+6.0	-1.1	-2.5	+1.2	+2.7	+10.1	+3.5	+3.1	-4.8	+3.0	+0.4	-2.9	-2.5	-4.6	-5.0	-4.5	-2.5	-2.0	-0.4
Year	-4.3	-3.6	-2.2	+0.9	-0.7	-1.4	-0.9	-1.4	-2.1	-2.2	+4.1	+7.0	+7.8	+6.5	+7.4	+5.5	+2.5	+0.4	-2.2	-4.3	-4.2	-4.3	-4.8	-4.4
Winter	-2.4	-2.6	-0.3	+5.5	+2.9	+1.3	+1.4	+0.1	-1.6	-0.9	+7.9	+4.8	+5.2	+1.6	+1.9	+0.3	-2.4	-3.4	-3.3	-4.4	-4.1	-2.9	-2.8	-1.8
Equinox	-3.4	-2.6	-0.7	+1.5	-0.8	-4.6	-4.8	-4.9	-6.4	-5.6	-2.2	+10.4	+11.2	+8.8	+10.5	+6.5	+3.5	+1.8	-3.0	-4.4	-2.8	-2.9	-3.7	-3.2
Summer	-7.1	-5.6	-5.7	-4.3	-4.0	-0.8	+0.8	+0.6	+1.8	-0.2	+6.6	+5.8	+7.1	+8.9	+9.7	+9.7	+6.4	+2.8	-0.3	-3.9	-5.7	-7.2	-8.0	-8.3

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Meanook 194?

Month / Season \ 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
January	+24	+32	+45	+56	+41	+34	+8	-29	-77	-92	-70	-36	-15	-7	-17	-18	-13	-4	+8	+16	+13	+19	+43	+34
February	+48	+58	+60	+79	+80	+67	+45	-11	-71	-58	-51	-102	-66	-77	-71	-45	-77	-38	+9	+26	+39	+55	+59	+49
March	+50	+14	+27	+32	+36	+11	-4	-73	-164	-95	+7	+18	-13	+13	-37	-23	-13	-21	+3	+34	+74	+51	+38	+34
April	+68	+45	-12	+5	+13	-51	-88	-5	-24	-76	+26	+16	-18	-37	-39	-55	-18	+7	+30	+44	+43	+37	+40	+49
May	+13	+13	+36	+43	+28	-3	-19	+16	-4	-44	-78	-42	-13	-11	-16	-13	-10	-6	-1	+11	+14	+24	+34	+35
June	+34	+60	+63	+40	-6	+2	+15	-7	-11	-42	-32	-8	-20	-36	-60	-35	-24	-18	-10	-5	+10	+24	+30	+38
July	+54	+60	+60	+55	+53	+14	-63	-48	-65	+7	-43	-32	-44	-67	-104	-65	+3	+11	+27	+16	+29	+32	+53	+59
August	+76	+83	+91	+52	+1	-28	-71	-86	-111	-139	-100	-24	-51	-9	-12	-40	+3	+15	+24	+40	+42	+61	+72	+77
September	+49	+60	+60	+32	+13	-11	-57	-81	-85	-82	-132	-73	-12	-6	-49	-19	+18	+34	+44	+41	+45	+59	+71	+84
October	+70	+67	+80	+17	+26	+13	-26	-91	-27	-36	-79	-133	-192	-90	-55	-9	-24	+22	+56	+70	+91	+88	+75	+90
November	+85	+54	+72	+26	+15	-7	-44	-53	-180	-73	-69	-53	-43	-44	-24	-10	+11	+13	+29	+41	+60	+54	+77	+65
December	+57	+58	+75	+70	+54	+60	+40	-60	-46	-24	-94	-95	-124	-140	-108	-6	-4	+2	+21	+29	+45	+53	+70	+72
Year	+52.3	+50.3	+54.8	+42.2	+29.5	+8.4	-22.0	-44.0	-72.1	-62.8	-59.6	-47.0	-50.9	-42.6	-49.3	-28.2	-12.3	+1.4	+20.0	+30.2	+42.1	+46.4	+55.2	+57.2
Winter	+53.5	+50.5	+63.0	+57.8	+47.5	+38.5	+12.2	-38.2	-93.5	-61.8	-71.0	-71.5	-62.0	-67.0	-55.0	-19.8	-20.8	-6.8	+16.8	+28.0	+39.2	+45.2	+62.2	+55.0
Equinox	+59.2	+46.5	+38.8	+21.5	+22.0	-9.5	-43.8	-62.5	-75.0	-72.2	-44.5	-43.0	-58.8	-30.0	-45.0	-26.5	-9.2	+10.5	+33.2	+47.2	+63.2	+58.8	+56.0	+64.2
Summer	+44.2	+54.0	+62.5	+47.5	+19.0	-3.8	-34.5	-31.2	-47.8	-54.5	-63.2	-26.5	-32.0	-30.8	-48.0	-38.2	-7.0	+0.5	+10.0	+15.5	+23.8	+35.2	+47.2	+52.2

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook H = 12,000 γ + January 1943

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	751	753	755	753	752	752	752	750	750	751	753	755	758	759	760	761	762	761	755	736	727	727	730	739	750
2	744	743	742	740	742	742	740	736	732	725	735	743	748	755	757	758	744	741	748	746	746	743	745	746	743
3	745	749	745	743	741	741	747	749	745	749	752	742	741	712	735	762	762	759	758	746	751	751	749	758	747
4 D	756	757	761	783	765	754	743	743	738	741	637	252	505	622	630	747	688	650	663	749	735	742	752	753	694
5	766	811	794	787	774	800	791	728	720	679	708	741	745	739	732	727	717	709	741	735	732	721	730	739	744
6	751	767	754	749	744	758	742	742	712	700	703	717	751	749	747	739	729	737	740	735	732	732	735	745	738
7 Q	749	749	749	748	745	741	746	742	739	740	741	741	739	742	745	744	744	745	743	742	741	740	742	744	743
8	747	751	752	747	746	745	745	745	746	747	750	751	752	752	742	745	750	750	750	744	734	730	742	737	746
9	749	756	746	743	743	750	754	638	561	697	752	747	744	743	745	746	747	739	741	739	736	733	736	744	730
10	746	747	748	748	747	746	744	743	741	741	742	726	751	751	751	751	748	741	734	727	726	731	724	739	741
11 Q	749	752	751	750	749	744	744	749	751	746	743	743	747	747	746	740	740	751	746	742	740	741	747	755	746
12	759	757	759	756	761	778	799	701	733	750	744	743	749	743	744	750	750	747	740	730	726	725	732	745	747
13 Q	752	749	750	748	746	747	749	741	746	750	745	742	744	751	750	750	747	739	733	725	734	739	743	750	745
14 Q	752	754	752	750	751	754	746	747	748	748	747	748	748	749	751	751	750	745	741	741	742	743	746	752	748
15 Q	755	753	751	751	744	744	744	747	749	750	751	754	755	758	759	759	754	749	745	743	740	742	748	755	750
16	762	760	757	755	755	754	752	751	751	749	748	754	755	754	742	741	751	748	737	736	739	737	741	747	749
17 D	747	747	760	758	757	752	754	782	765	691	335	437	587	737	753	783	709	724	722	719	731	748	750	742	708
18	743	748	748	742	747	746	737	497	671	742	751	658	654	731	755	757	756	746	729	724	734	736	738	744	722
19	748	744	742	741	738	745	733	698	738	733	734	747	738	728	743	753	752	737	728	737	735	735	743	742	738
20 D	747	750	754	747	739	729	763	705	631	577	572	636	723	705	721	741	700	597	573	674	776	830	711	746	702
21 D	732	751	816	755	728	730	626	619	435	270	-113	117	619	729	697	757	744	741	731	733	730	723	737	758	632
22 D	747	772	754	749	741	735	732	745	713	493	692	711	695	533	670	717	723	690	716	736	736	721	731	747	708
23	743	757	758	746	741	732	744	741	735	729	691	724	735	744	743	747	739	734	734	728	722	720	730	740	736
24	740	747	729	741	740	742	739	742	741	730	679	670	716	737	750	749	749	737	728	720	711	729	741	745	731
25	734	750	752	748	747	736	742	746	741	734	729	724	728	752	752	749	745	742	736	731	729	735	744	751	741
26	746	751	737	739	743	774	764	724	550	386	618	749	738	740	760	748	721	741	732	729	728	731	735	734	713
27	745	754	758	749	748	744	743	742	739	736	714	732	733	724	753	757	747	734	732	731	730	732	741	749	740
28	753	751	750	748	740	736	739	740	710	611	604	586	714	737	757	763	756	749	733	726	735	740	745	754	724
29	749	745	746	747	743	741	744	749	743	742	738	736	743	746	749	756	752	743	738	732	725	730	740	742	742
30	745	737	733	744	748	748	749	747	750	746	746	746	743	743	750	754	755	753	749	740	733	734	734	745	745
31	750	749	742	741	742	740	736	740	727	748	750	750	750	749	739	741	753	751	745	740	736	736	738	746	743
Mean	748	754	753	750	747	748	745	725	711	691	677	681	721	731	740	750	741	733	730	733	735	737	739	746	732

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook $D = 25° E + \ldots '$ January 1943

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	31.4	31.5	30.8	32.3	32.3	32.1	31.6	31.5	31.4	31.1	31.3	30.9	31.4	31.2	31.6	32.2	33.7	34.4	32.7	31.8	28.4	26.5	25.9	24.7	30.9
2	28.8	30.3	31.3	32.0	32.3	32.1	32.0	34.5	37.8	36.0	38.4	37.9	34.8	32.3	32.4	34.8	31.9	26.9	28.5	30.1	29.8	29.3	30.8	31.0	32.3
3	31.9	32.0	32.1	32.6	33.6	33.2	32.9	31.9	31.5	30.9	33.6	33.4	36.1	28.9	33.4	35.1	33.1	32.6	30.5	28.8	29.9	28.8	27.3	28.6	31.8
4 D	24.5	26.6	28.9	36.3	35.1	31.0	31.5	33.3	32.0	32.6	35.8	27.2	58.5	48.2	31.1	34.6	37.4	19.9	11.8	26.8	27.4	27.7	28.2	28.4	31.4
5	30.3	46.2	36.7	28.4	27.5	35.1	33.8	29.6	31.4	23.9	29.0	32.4	33.5	33.6	32.6	32.5	31.5	28.1	28.6	29.7	30.5	30.2	30.0	30.5	31.5
6	31.7	35.5	31.9	32.6	36.0	32.3	32.1	36.3	30.7	33.5	29.5	37.2	33.2	34.4	33.1	33.0	31.5	31.8	29.5	27.6	30.0	29.6	30.0	31.7	32.3
7 Q	31.8	31.5	31.0	30.7	31.7	32.3	33.1	31.1	32.3	31.1	32.6	32.5	32.6	32.7	32.6	32.8	33.2	32.6	31.7	31.2	31.1	31.2	31.2	30.4	31.9
8	29.4	30.0	30.6	30.8	32.2	32.7	32.3	31.9	31.3	31.0	31.1	31.2	31.5	31.0	30.2	32.7	33.4	31.1	28.8	28.6	28.5	27.9	28.7	28.9	30.7
9	31.5	29.9	31.2	32.3	30.9	33.0	37.0	38.6	51.6	43.3	33.7	31.5	31.4	31.9	32.5	33.2	35.0	32.8	31.5	29.4	29.5	30.0	30.1	30.8	33.4
10	29.5	30.2	30.3	29.7	32.0	32.2	34.1	31.2	30.3	31.7	32.5	31.4	29.3	31.2	32.4	32.7	33.6	33.4	32.8	30.4	28.8	28.0	26.9	27.6	30.9
11 Q	29.1	30.0	31.0	32.5	32.3	32.7	33.6	33.4	32.8	31.9	32.4	32.2	30.9	31.5	31.8	33.3	32.4	32.1	31.2	28.6	27.2	28.0	27.7	27.6	31.1
12	26.6	28.3	28.6	28.3	32.5	31.7	37.2	28.6	37.3	31.4	31.4	31.5	29.7	31.1	32.1	33.7	35.3	35.5	34.1	32.4	31.0	29.4	28.5	29.8	31.5
13 Q	29.4	30.1	30.4	30.9	34.2	35.4	32.9	32.8	35.6	32.8	32.1	34.0	30.9	30.8	33.4	33.8	34.3	34.8	32.8	31.3	29.8	29.2	29.3	30.2	32.1
14 Q	30.8	31.1	31.9	31.9	33.2	33.4	34.4	31.7	30.8	31.1	32.3	31.9	31.4	31.7	32.2	32.9	33.8	34.4	33.7	32.5	31.3	30.1	29.7	29.9	32.0
15 Q	30.9	31.7	32.0	32.5	33.4	32.0	31.6	30.9	29.7	29.7	30.4	30.3	30.5	30.9	31.8	32.9	32.9	32.3	31.5	31.1	29.2	27.2	26.2	27.6	30.8
16	29.0	30.2	31.1	31.9	31.9	31.9	31.4	31.2	31.0	30.8	30.7	30.7	31.8	33.4	33.4	30.7	32.9	32.7	29.5	26.4	26.4	26.2	26.5	26.5	30.3
17 D	26.6	27.7	30.2	31.1	33.0	33.8	32.9	46.6	33.0	37.7	11.3	48.1	45.2	37.3	31.9	29.6	25.9	22.8	26.8	27.0	26.9	27.2	27.8	27.7	31.2
18	28.7	30.7	31.9	32.7	35.3	38.9	37.1	31.9	35.7	35.9	33.9	32.3	23.5	31.1	31.7	32.2	32.0	30.4	27.0	23.3	24.4	27.5	29.4	29.7	31.1
19	30.3	31.4	31.4	32.8	31.9	33.1	33.6	21.5	32.2	31.9	31.4	33.2	32.5	27.1	28.6	32.4	32.1	30.1	26.1	27.5	26.5	27.1	27.5	29.0	30.0
20 D	31.4	31.1	31.2	31.5	32.8	33.5	39.2	35.8	40.4	38.7	31.6	28.3	31.3	30.4	28.9	25.2	23.2	33.8	34.9	31.5	28.4	17.5	21.7	23.3	30.6
21 D	28.5	30.7	54.5	36.2	31.5	34.6	10.2	28.8	40.6	41.6	36.1	44.7	61.4	33.5	33.0	26.0	30.4	29.8	31.6	29.5	28.4	29.2	30.0	26.1	33.6
22 D	29.5	32.0	32.2	32.2	32.3	31.9	32.9	38.4	42.8	34.9	37.2	41.5	31.9	33.2	17.9	22.0	25.7	22.7	19.7	24.3	25.2	25.6	27.8	29.5	30.1
23	30.3	35.9	32.3	31.8	31.9	38.2	34.3	29.4	29.7	31.6	30.2	32.1	32.0	29.5	28.4	31.4	31.3	31.4	31.5	28.8	27.3	27.2	27.6	28.8	31.0
24	29.9	27.9	36.7	33.9	32.9	32.6	31.8	35.3	29.4	30.2	28.8	26.0	29.0	31.4	30.5	34.1	33.9	32.8	30.8	29.5	27.3	27.5	28.5	29.8	30.8
25	30.8	30.6	31.7	32.3	32.4	35.5	31.1	30.5	30.7	30.8	29.6	35.0	30.2	31.6	31.7	32.5	31.7	33.3	33.2	31.1	28.7	27.4	27.4	28.6	31.2
26	29.8	31.1	31.0	31.3	33.2	34.2	30.4	25.6	06.3	39.0	44.5	38.5	36.0	29.6	34.1	35.7	28.2	31.4	28.5	28.1	28.1	27.2	27.8	29.5	30.8
27	30.8	32.0	33.1	33.1	32.7	32.7	32.1	30.8	30.2	32.1	28.6	29.0	32.5	33.0	32.5	34.2	34.0	32.6	31.0	29.9	28.9	28.8	29.4	29.7	31.4
28	30.7	31.4	31.7	32.4	31.9	36.3	33.0	32.3	34.9	27.8	43.6	45.8	38.1	36.3	34.3	35.0	35.6	35.4	33.7	30.4	29.9	28.6	28.0	28.7	33.6
29	30.2	30.8	31.7	31.9	32.9	32.3	33.9	30.5	29.2	30.0	31.0	30.5	31.9	29.6	30.5	33.9	35.2	35.2	32.4	30.6	27.6	27.3	28.0	29.3	31.1
30	29.5	29.8	31.4	32.3	32.9	33.4	32.3	33.1	30.8	30.5	31.3	31.0	30.8	29.5	31.3	32.5	33.0	33.9	34.0	32.7	31.0	29.6	28.9	29.0	31.4
31	29.4	30.3	31.3	34.9	32.6	32.7	33.9	35.6	31.1	30.8	31.0	31.5	31.5	30.1	28.3	28.7	36.3	36.4	32.3	30.3	28.8	27.7	27.5	26.6	31.2
Mean	29.8	31.2	32.3	32.1	32.6	33.4	32.6	32.4	32.7	32.8	32.2	33.7	34.0	32.2	31.3	32.1	32.4	31.5	30.1	29.4	28.6	27.9	28.2	28.7	31.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Meanook $Z = 59,000\ \gamma +$ January 1943

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	193	192	192	191	191	190	190	190	190	189	187	183	182	185	187	187	187	184	182	184	187	191	196	209	189
2	203	201	200	194	192	192	192	168	150	154	156	171	170	173	184	183	180	180	174	182	189	191	191	193	182
3	193	192	193	194	199	203	196	191	186	179	178	170	160	150	119	146	169	176	177	179	185	190	190	191	179
4 D	210	213	218	260	224	212	196	195	172	185	080	-142	-100	087	147	172	128	167	164	183	193	218	215	214	159
5	261	258	226	248	247	248	194	185	183	116	157	192	188	185	182	191	184	174	205	201	211	215	226	222	204
6	229	217	206	205	204	183	188	198	168	156	129	136	181	183	186	185	188	191	191	191	196	201	202	201	188
7 Q	199	195	194	196	202	203	205	203	198	193	194	193	185	183	188	193	192	189	186	187	189	191	192	189	193
8	193	192	193	194	194	194	194	193	191	189	188	187	184	183	173	171	183	184	185	183	182	186	195	213	188
9	205	205	205	206	215	225	227	098	006	085	185	203	195	192	192	192	186	182	181	181	182	186	192	194	180
10	194	195	196	199	202	206	203	194	184	169	182	167	179	183	185	188	189	187	186	186	191	196	206	203	190
11 Q	202	196	195	194	198	203	196	192	190	189	185	183	181	182	184	183	185	184	184	184	183	184	185	188	189
12	193	193	196	208	235	278	250	077	157	195	188	183	184	185	190	194	190	185	186	189	190	192	193	193	193
13 Q	196	201	207	214	215	206	196	194	177	185	188	183	181	193	190	192	187	188	193	194	193	190	190	190	193
14 Q	193	191	190	191	194	195	197	194	188	186	185	185	184	184	185	186	186	185	185	186	185	184	185	185	188
15 Q	185	185	185	185	186	186	185	184	183	183	183	184	184	184	184	184	183	183	183	184	184	185	185	185	184
16	186	186	187	187	187	187	187	188	187	186	172	173	183	185	183	174	176	173	184	189	195	197	197	200	185
17 D	209	204	203	199	199	199	204	205	134	160	075	-280	-085	035	124	209	168	196	195	205	211	210	207	208	150
18	206	204	203	209	215	209	200	128	108	138	165	120	100	133	176	192	192	192	197	201	197	204	205	208	179
19	208	208	209	210	212	208	195	106	165	174	179	186	176	172	184	201	196	196	198	202	206	209	214	214	193
20 D	209	209	209	209	209	206	103	092	064	-049	-020	-029	110	068	061	089	112	145	175	243	291	282	250	241	145
21 D	235	239	311	252	225	192	-053	013	151	-042	153	-021	-053	157	156	219	201	200	202	206	216	219	228	236	160
22 D	266	269	219	213	212	210	211	177	123	024	071	134	132	026	136	159	155	169	214	207	218	220	225	230	176
23	241	231	215	209	209	198	197	204	199	187	148	134	165	185	202	205	205	207	209	209	218	220	219	220	202
24	216	220	234	231	220	215	205	190	199	196	139	085	106	141	186	198	202	203	206	210	214	219	215	214	194
25	213	207	207	204	205	207	206	198	202	198	175	162	165	188	201	199	199	203	206	207	207	207	207	206	199
26	205	210	213	218	230	232	213	167	066	-134	095	188	173	189	197	188	178	198	198	200	203	207	208	211	177
27	208	208	208	205	200	199	198	197	199	189	159	146	158	134	171	187	180	199	199	199	200	201	201	201	189
28	203	202	202	202	202	206	203	193	156	001	-008	-009	094	136	176	201	200	211	204	202	204	205	205	207	167
29	206	203	205	205	204	201	200	196	197	198	194	185	165	186	187	199	198	198	197	197	198	199	200	201	197
30	201	210	214	220	208	208	199	179	190	192	198	198	193	190	198	201	200	198	192	193	198	199	202	202	199
31	202	203	206	211	209	209	212	193	146	168	198	198	191	188	178	173	189	190	190	191	193	195	200	201	193
Mean	208	208	208	208	208	207	190	170	162	140	150	127	142	160	174	185	183	188	191	195	200	203	204	206	184

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook — January 1943

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	17	44	777	20	36	719	58	17	39	35.7	23	01	21.4	14.3	23	44	218	17	53	180	38
2	15	12	760	08	18	711	49	07	49	42.5	17	16	25.3	17.2	00	38	209	07	57	101	108
3	16	38	770	13	32	690	80	15	01	38.2	13	43	25.9	12.3	05	33	204	14	06	112	92
4 D	03	55	806	11	06	188	618	13	07	81.7	18	24	02.4	79.3	03	54	302	10	51	-238	540
5	05	59	904	09	54	647	257	01	47	67.2	07	01	18.9	48.3	01	26	329	09	45	86	243
6	01	03	789	08	45	650	139	07	08	46.0	10	12	21.8	24.2	00	54	247	11	02	92	155
7 Q	03	22	753	09	10	735	18	06	07	35.0	09	16	28.3	06.7	06	36	207	01	15	179	28
8	16	51	761	22	07	724	37	15	57	35.7	21	24	26.6	09.1	23	45	220	15	26	168	52
9	06	48	776	07	58	407	369	08	31	65.9	07	38	25.9	40.0	06	18	250	08	39	-107	357
10	12	48	758	22	23	711	47	06	04	36.7	08	55	24.4	12.3	23	22	225	09	06	151	74
11 Q	00	09	774	15	54	721	53	06	11	36.3	20	16	26.4	09.9	05	04	204	12	12	177	27
12	06	54	960	07	24	623	337	06	53	51.2	07	14	19.1	32.1	04	24	305	07	05	-56	361
13 Q	00	53	764	19	42	723	41	08	10	42.3	22	10	28.6	13.7	04	25	217	08	38	162	55
14 Q	05	10	762	18	41	737	25	05	01	41.0	23	00	29.4	11.6	07	51	200	21	50	183	17
15 Q	15	20	763	21	36	736	27	04	22	36.7	22	41	25.6	11.1	04	30	188	18	00	183	5
16	00	27	764	18	56	722	42	14	00	34.8	19	20	24.7	10.1	23	53	204	10	45	161	43
17 D	07	35	877	11	54	71	806	12	09	87.7	10	42	-09.0	96.7	15	40	249	11	52	-409	658
18	15	27	765	07	25	326	439	07	45	62.4	07	19	11.1	51.3	04	33	224	07	19	-7	231
19	15	50	756	07	26	664	92	12	42	35.7	07	22	12.0	23.7	22	53	222	07	22	53	169
20 D	21	04	889	09	43	456	433	06	07	57.5	21	26	10.8	46.7	21	01	320	11	26	-108	428
21 D	05	51	901	10	23	-405	1306	11	06	122.9	10	34	-63.4	186.3	10	28	760	11	03	-428	1188
22 D	01	14	801	09	37	176	625	09	37	50.1	14	28	11.3	38.8	00	55	339	09	39	-108	447
23	05	42	774	10	53	638	136	05	36	46.7	22	10	25.9	20.8	00	35	253	10	53	62	191
24	15	49	762	11	12	628	134	02	39	43.6	11	24	24.0	19.6	02	31	255	11	20	68	187
25	23	38	753	11	27	716	37	04	48	46.3	09	56	25.2	21.1	00	15	218	12	40	145	73
26	05	36	805	09	51	339	466	09	47	57.8	08	35	-11.8	69.6	05	49	252	09	18	-189	441
27	15	00	769	10	41	688	81	13	11	40.1	11	00	20.2	19.9	17	32	218	13	11	95	123
28	15	27	779	11	17	505	274	11	49	54.0	08	54	14.9	39.1	17	26	219	10	36	-43	262
29	16	04	759	12	07	720	39	06	26	37.0	13	56	25.8	11.2	00	33	207	12	12	150	57
30	06	31	765	02	48	727	38	07	24	36.9	13	38	27.9	09.0	03	04	226	07	15	162	64
31	16	47	756	08	20	711	45	07	16	40.5	15	17	22.4	18.1	06	00	219	08	32	135	84
Mean			792			561	231			49.8			16.8	33.0			255			36	219
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 5 Meanook H = 12,000 γ + February 1943

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	748	744	752	749	749	749	749	749	757	746	744	747	747	742	744	752	755	748	741	740	735	736	737	740	746
2	751	756	752	751	751	753	751	754	751	748	749	748	750	741	745	756	750	747	744	746	747	749	751	752	750
3	756	741	747	749	758	782	796	746	735	768	726	716	731	696	754	759	753	744	735	726	717	719	739	741	743
4 D	751	755	768	818	833	750	747	759	734	721	578	584	747	747	723	747	747	737	732	726	739	742	742	745	736
5	743	736	750	743	747	751	675	758	747	751	733	672	647	735	754	751	737	730	734	735	725	743	744	748	733
6	755	749	752	745	752	752	748	759	728	723	724	727	718	752	753	747	717	716	738	740	738	730	732	741	739
7	740	748	752	751	750	749	742	748	740	740	744	747	748	748	747	745	741	737	735	740	739	737	738	740	744
8	731	753	753	750	751	749	751	749	746	742	739	740	749	740	736	744	744	730	717	717	729	739	743	751	741
9	751	747	747	743	729	725	736	737	744	751	753	751	756	757	754	740	654	708	746	736	737	739	750	753	739
10 Q	754	755	752	755	754	749	757	758	755	756	756	757	745	740	744	755	752	741	733	736	739	738	739	742	748
11	750	755	769	764	757	794	912	823	722	695	754	746	736	743	753	752	746	739	735	734	735	729	735	743	755
12 Q	743	752	751	751	747	752	752	751	749	744	737	727	754	761	762	760	757	751	741	735	734	735	739	743	747
13 D	752	763	765	758	752	750	748	744	586	640	687	713	764	763	759	755	758	755	745	746	742	741	740	745	736
14	743	746	751	748	750	754	764	753	750	735	713	758	765	760	760	761	760	755	749	750	752	748	744	745	751
15 Q	738	749	746	750	752	751	750	745	722	723	715	747	758	754	754	754	755	750	743	737	739	735	737	736	743
16	740	748	750	749	749	749	748	749	747	748	750	753	754	754	754	754	750	743	744	746	750	735	755	756	750
17 D	759	764	762	749	744	776	596	212	528	754	224	162	783	734	709	732	728	738	728	736	734	737	740	746	661
18	747	746	744	729	743	750	752	757	680	721	740	723	719	721	745	742	742	739	736	742	742	746	751	746	738
19	738	735	740	750	749	742	735	742	699	660	689	713	740	749	744	722	735	722	718	718	726	734	741	748	728
20	745	746	745	741	736	729	740	742	743	736	714	730	738	744	757	753	742	730	723	724	729	736	740	743	738
21 Q	746	746	746	746	745	743	742	749	738	739	751	747	750	750	747	745	739	728	723	723	728	730	736	740	741
22	743	747	746	746	746	747	747	746	746	732	726	742	739	745	757	754	746	736	733	729	729	735	737	749	742
23	737	743	745	747	747	746	744	744	728	735	753	753	750	742	756	757	752	746	741	729	725	732	734	740	743
24	742	742	742	739	738	755	742	745	717	710	710	736	737	742	756	755	752	742	731	729	727	727	734	735	737
25 D	736	742	742	741	750	746	743	743	743	736	735	749	746	742	745	745	746	745	710	693	689	698	735	797	737
26 D	889	945	1152	1139	1081	965	749	705	679	601	510	673	731	746	742	710	627	640	671	691	710	728	744	757	774
27	820	823	799	774	756	727	747	734	722	638	587	672	706	721	748	753	742	725	724	721	721	727	732	736	731
28 Q	741	742	743	741	741	751	749	744	739	720	727	735	742	749	747	746	739	733	729	728	732	731	737	740	739
29																									
30																									
31																									
Mean	753	758	767	765	763	758	747	730	720	722	695	706	741	744	748	748	738	734	731	730	732	735	740	746	740

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook D = 25° E + ... ′ February 1943

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	27.3	27.9	28.7	30.6	31.6	32.0	32.4	33.1	35.4	32.6	31.6	32.5	32.5	31.9	33.3	34.0	34.9	32.4	32.0	30.9	29.5	28.6	28.8	27.3	31.3
2	29.6	29.5	30.0	31.8	31.1	31.6	29.0	34.9	34.9	33.7	33.1	33.3	32.6	33.4	31.5	33.5	35.3	35.4	33.9	32.4	29.8	28.2	28.2	29.7	31.9
3	29.8	27.9	27.6	29.7	32.6	29.6	33.0	34.6	33.5	43.7	37.7	41.3	40.9	35.6	39.3	37.3	36.1	33.9	34.0	31.6	28.6	25.7	25.2	27.7	33.2
4 D	28.3	26.9	29.4	29.9	37.6	37.4	34.0	31.3	29.1	36.2	36.2	34.7	39.4	38.8	35.8	37.4	37.2	35.6	33.0	30.9	29.9	27.7	28.6	30.3	33.2
5	32.3	32.1	30.1	29.8	31.5	31.1	26.9	37.4	26.3	33.1	33.7	34.4	24.6	32.2	37.3	35.9	34.5	29.1	28.9	29.0	27.3	27.2	27.5	29.1	30.9
6	29.0	33.6	30.6	31.7	32.0	31.5	32.4	32.7	29.9	29.7	32.6	31.6	28.4	32.7	36.9	37.8	36.4	28.3	25.7	27.3	28.6	29.0	29.0	30.5	31.2
7	29.9	29.6	30.3	31.6	38.1	32.1	31.7	32.6	28.9	30.6	32.1	32.3	32.0	31.7	33.3	35.3	35.4	32.8	28.3	28.1	28.1	29.1	28.6	28.6	31.3
8	28.7	28.9	29.5	30.9	32.0	31.9	31.8	31.8	31.0	31.6	34.4	34.9	34.5	32.9	31.6	35.4	34.6	33.3	30.1	25.8	25.5	25.6	26.5	27.6	30.9
9	30.6	30.9	29.8	28.5	27.8	29.2	30.9	32.5	33.3	34.8	34.2	32.7	32.5	36.3	35.3	32.7	23.8	30.6	33.6	33.4	32.3	32.2	32.1	31.9	31.7
10 Q	31.2	30.6	30.9	31.1	30.7	32.5	32.1	31.7	29.7	29.6	30.6	31.0	31.1	30.7	32.2	34.5	35.9	34.6	31.3	28.8	27.3	27.2	27.2	27.1	30.8
11	26.8	29.5	29.7	30.4	31.7	30.9	20.7	32.4	35.6	29.9	30.7	33.8	31.8	29.1	30.8	33.7	34.6	33.7	32.4	30.9	30.4	29.1	29.0	28.1	30.6
12 Q	27.5	27.2	27.9	28.1	29.8	31.6	31.0	30.6	30.4	30.8	31.6	31.4	36.3	33.5	32.7	33.6	34.2	33.0	31.8	30.4	29.1	28.8	28.5	29.1	30.8
13 D	29.7	29.0	28.0	27.9	28.2	29.2	30.3	31.6	33.1	34.4	30.8	28.2	34.8	33.5	31.9	29.9	32.6	34.7	31.8	30.9	30.8	29.9	30.0	30.4	30.9
14	30.9	30.7	30.8	30.3	30.8	39.5	34.6	31.7	30.7	29.6	29.9	35.7	32.9	31.3	31.8	32.9	33.0	33.4	31.7	29.9	29.2	29.3	29.4	29.9	31.7
15 Q	31.6	30.9	30.7	30.7	30.9	30.9	39.9	33.5	31.8	30.9	23.7	29.0	32.5	31.9	31.2	32.1	33.3	32.0	30.8	29.5	28.2	28.8	29.7	30.8	31.0
16	30.9	30.4	30.4	30.7	30.7	31.3	31.5	30.6	29.5	30.4	30.6	31.1	31.6	31.5	32.1	32.2	32.9	33.4	30.8	29.0	29.4	29.8	29.8	29.1	30.8
17 D	28.4	28.5	30.3	30.5	38.5	35.7	19.3	03.2	37.7	38.6	46.4	04.9	43.3	40.3	34.9	33.2	33.5	30.9	30.3	26.9	28.1	29.7	31.1	31.2	30.0
18	31.9	32.4	31.8	33.8	32.5	31.7	33.7	33.4	24.8	35.3	31.7	30.9	31.1	34.0	32.7	34.1	34.6	32.9	30.8	29.9	30.3	30.8	30.1	29.6	31.9
19	30.7	29.3	31.7	30.4	31.0	31.2	32.8	35.1	30.2	26.0	24.3	26.2	32.0	34.8	32.6	31.5	34.6	33.7	31.9	29.7	28.9	28.6	29.2	30.6	30.7
20	30.8	30.8	31.3	31.8	31.7	40.0	30.6	30.7	30.3	29.7	27.3	30.9	34.6	33.5	37.9	36.5	35.4	33.1	30.4	29.0	28.7	29.5	30.2	30.7	31.9
21 Q	30.3	30.6	30.6	30.5	30.6	30.7	30.7	34.5	32.7	28.6	30.9	31.7	31.8	32.1	32.1	32.4	34.0	32.2	28.1	24.8	24.9	27.7	28.8	29.6	30.4
22	29.8	30.7	30.8	30.9	30.9	30.7	30.5	29.9	31.1	32.7	32.1	32.6	31.1	28.9	31.7	34.3	34.6	34.1	29.9	28.6	27.9	28.0	29.7	28.4	30.8
23	29.6	29.6	30.4	30.7	31.3	31.0	30.9	33.6	34.9	33.3	32.1	31.5	32.1	30.8	33.6	35.4	35.6	32.0	33.6	28.3	27.7	26.6	28.0	29.6	31.3
24	28.5	29.8	31.3	31.3	40.5	40.2	32.8	31.8	28.2	28.7	26.9	30.8	31.1	30.0	33.8	34.4	35.4	33.7	29.3	28.7	27.2	28.1	28.8	29.8	31.3
25 D	29.7	29.9	30.4	31.8	35.3	30.8	30.3	30.8	29.6	29.5	30.6	32.7	34.2	34.2	37.0	37.0	36.4	32.7	30.7	26.7	18.1	24.2	25.1	27.5	30.6
26 D	23.1	18.5	22.6	17.3	19.2	28.3	34.4	31.6	35.6	34.8	31.6	29.7	32.7	31.7	32.0	34.7	26.9	22.1	25.7	22.7	24.2	26.4	26.7	26.1	27.4
27	23.2	21.1	29.1	19.6	28.7	29.3	35.0	32.4	33.1	27.6	25.9	34.6	35.6	35.3	35.5	36.5	38.5	37.0	34.2	32.0	30.7	30.8	30.6	29.8	31.1
28 Q	29.9	29.4	29.3	30.2	32.1	32.1	30.9	30.6	31.8	26.0	29.6	29.7	30.4	31.7	33.2	33.9	33.4	32.5	31.0	30.0	29.7	29.6	30.1	30.0	30.7
29																									
30																									
31																									
Mean	29.3	29.2	29.8	29.7	31.8	32.3	31.2	31.2	31.5	31.9	31.5	30.9	33.2	33.0	33.7	34.4	34.2	32.6	30.9	29.2	28.2	28.4	28.8	29.3	31.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook Z = 59,000 γ + February 1943

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	200	207	212	211	211	208	211	212	192	185	190	192	191	187	179	187	190	188	190	191	192	197	199	201	197
2	201	202	201	211	215	212	190	192	200	207	209	200	192	186	189	190	188	191	194	192	190	191	191	190	197
3	192	202	218	221	230	285	304	234	198	183	186	175	171	135	166	190	182	188	192	192	195	204	209	202	202
4 D	204	221	283	338	350	257	226	139	169	179	137	055	180	193	180	201	193	191	192	192	201	203	200	200	204
5	203	218	215	220	221	234	069	189	194	199	190	133	099	149	178	189	190	195	196	199	192	200	202	200	186
6	209	236	211	202	202	201	209	197	182	175	169	183	175	188	188	193	180	191	190	189	194	199	203	203	194
7	202	217	224	223	224	214	204	192	177	191	200	194	193	193	194	194	191	190	189	190	193	200	202	204	200
8	197	201	201	201	197	197	196	194	190	189	181	179	181	180	179	181	190	192	194	200	201	197	194	199	192
9	194	191	196	198	196	196	197	197	196	196	196	192	190	181	179	146	071	135	192	215	224	205	202	201	187
10 Q	201	191	190	189	189	191	193	190	187	187	187	187	175	159	162	176	180	181	185	192	190	190	190	190	186
11	190	185	189	201	201	236	190	191	131	082	166	180	168	169	188	193	193	193	194	195	195	194	193	193	184
12 Q	192	193	203	215	216	197	190	189	188	178	170	119	171	181	185	184	183	180	179	182	187	190	191	190	186
13 D	191	191	192	194	191	197	216	190	087	041	074	141	181	185	181	187	187	183	182	188	193	193	194	194	173
14	194	189	192	191	191	189	168	182	183	145	093	148	181	181	182	183	183	183	183	183	184	185	185	185	178
15 Q	184	183	181	180	180	181	180	172	150	149	126	149	172	176	180	182	183	181	182	183	188	188	188	185	175
16	184	183	183	182	182	180	181	180	180	179	177	180	181	181	181	182	182	180	175	179	181	181	180	177	180
17 D	173	173	175	177	223	167	065	065	-109	152	074	206	177	162	143	193	184	177	189	193	213	231	211	195	159
18	193	191	204	211	208	203	193	109	028	121	170	170	159	162	184	185	189	189	190	189	172	182	194	199	175
19	195	217	230	203	192	192	195	184	161	114	132	149	173	183	187	176	200	195	195	195	199	198	196	195	186
20	190	189	189	187	190	193	193	189	182	171	153	130	163	161	171	172	176	180	183	184	190	195	194	192	180
21 Q	188	185	185	185	185	185	186	173	177	176	182	185	186	185	184	181	180	178	178	183	185	191	192	191	184
22	190	188	186	185	185	185	187	187	181	152	132	174	180	181	185	183	184	184	185	187	188	191	190	196	182
23	188	190	191	190	190	192	193	193	179	073	155	186	182	165	176	183	183	184	185	185	187	193	203	198	181
24	200	199	199	207	220	178	195	194	154	128	110	140	173	175	180	188	189	189	185	186	191	197	201	206	183
25 D	202	198	198	198	198	200	199	201	198	185	165	182	182	173	165	164	164	167	192	201	208	213	237	277	194
26 D	305	283	274	215	202	265	236	213	184	180	100	152	167	185	189	182	130	116	153	202	212	215	232	256	202
27	284	275	265	288	274	109	230	215	199	089	023	096	136	154	191	197	197	192	197	197	200	202	200	200	192
28 Q	199	193	195	199	203	195	189	189	181	129	154	164	166	174	178	179	178	178	179	181	183	184	186	186	181
29																									
30																									
31																									
Mean	202	203	206	208	210	201	192	184	161	155	150	162	173	174	179	184	179	181	186	191	194	197	198	200	186

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Meanook — February 1943

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	08	33	774	21	33	730	44	08	20	43.6	23	27	25.9	17.7	07	12	222	08	46	166	56
2	06	06	780	13	14	722	58	07	06	39.3	06	16	19.9	19.4	03	55	222	14	07	171	51
3	06	37	856	13	30	658	198	09	45	49.0	06	10	21.9	27.1	06	34	361	13	33	101	260
4 D	04	12	962	10	57	431	531	07	20	49.9	07	36	19.2	30.7	04	11	402	11	02	-27	429
5	06	01	902	06	20	566	336	05	59	47.3	06	19	-03.8	51.1	05	51	254	06	18	-29	283
6	07	38	785	12	23	681	104	16	00	40.1	18	00	23.7	16.4	01	24	250	08	46	147	103
7	07	40	768	09	05	728	40	04	18	44.5	08	17	25.6	18.9	02	08	244	08	20	159	85
8	23	37	769	18	52	708	61	12	30	36.2	19	51	22.3	13.9	02	59	204	11	01	162	42
9	11	59	766	16	34	632	134	13	58	38.6	16	24	20.1	18.5	20	24	233	16	21	46	187
10 Q	08	08	765	18	27	725	40	16	13	37.4	22	54	26.2	11.2	00	29	204	13	40	154	50
11	06	46	981	09	28	626	355	08	17	44.1	06	24	03.4	40.7	05	34	263	09	21	39	224
12 Q	14	19	765	11	05	707	58	12	38	37.2	11	16	25.5	11.7	04	18	225	11	13	107	118
13 D	01	53	776	08	52	364	412	09	31	44.1	11	35	20.5	23.6	06	24	234	08	52	-112	346
14	05	45	777	10	15	681	96	05	46	49.0	09	43	27.0	22.0	05	30	202	10	10	61	141
15 Q	11	56	762	10	33	691	71	06	12	42.2	10	50	21.1	21.1	20	38	191	10	51	98	93
16	22	03	767	17	34	737	30	17	36	35.1	22	5	27.1	08.0	00	30	184	18	20	171	13
17 D	12	34	845	10	15	-292	1137	10	36	99.5	11	5	-20.9	220.4	10	52	430	08	34	-237	667
18	07	27	804	15	22	629	175	07	26	44.2	07	54	19.5	24.7	03	36	223	08	16	-46	269
19	07	41	772	09	06	605	167	02	17	49.7	10	13	21.4	28.3	02	20	253	09	16	94	159
20	14	21	764	10	48	668	96	05	05	47.2	10	54	18.1	29.1	04	57	198	11	12	105	93
21 Q	07	51	757	18	50	719	38	07	38	38.7	20	15	23.3	15.4	23	00	194	07	50	165	29
22	23	24	761	10	20	705	56	17	37	36.7	10	25	26.7	10.0	23	30	203	10	34	102	101
23	16	20	768	08	52	680	88	08	06	42.6	08	53	24.0	18.6	22	48	207	09	19	4	203
24	05	22	784	10	02	665	119	04	33	49.8	08	42	24.0	25.8	04	36	245	10	11	66	179
25 D	24	00	883	19	20	686	197	04	17	42.0	20	08	16.5	25.5	24	00	322	10	10	147	175
26 D	02	52	1313	10	33	406	907	05	29	48.8	03	50	00.3	48.5	02	03	333	10	33	34	299
27	02	03	871	09	57	507	364	05	13	76.2	05	34	-08.9	85.1	03	26	298	05	35	-123	421
28 Q	05	21	766	09	16	702	64	05	15	43.2	09	15	20.1	23.1	05	10	209	09	17	99	110
29																					
30																					
31																					
Mean			823			610	213			46.3			13.9	32.4			250			65	185
No. days			28			28	28			28			28	28			28			28	28

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 9 Meanook H = 12,000 γ + March 1943

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	742	749	749	748	746	750	754	755	756	758	757	759	750	723	709	726	740	739	729	723	723	727	733	743	741
2	751	755	755	755	754	762	759	713	405	308	417	506	664	676	718	761	741	735	736	734	727	731	740	749	681
3	749	751	750	749	749	749	751	751	748	727	463	665	693	766	769	757	748	734	727	726	731	718	733	752	727
4	755	766	762	776	771	759	759	794	642	555	543	537	698	743	763	739	730	718	718	721	714	742	747	775	718
5	764	758	797	818	788	808	778	602	665	703	717	737	717	726	731	747	727	719	729	730	735	729	735	730	737
6	754	743	742	743	746	750	731	719	744	746	746	747	739	749	733	734	740	740	732	722	711	721	728	734	737
7	737	747	750	741	741	740	741	736	732	743	745	745	740	740	741	748	746	731	721	714	711	713	733	740	736
8	747	764	790	756	758	756	766	749	720	710	747	733	705	734	741	743	743	738	733	730	725	723	719	741	740
9	749	753	757	748	747	748	746	747	708	696	702	743	728	749	748	748	732	733	732	730	727	728	732	740	736
10 Q	747	746	746	745	747	747	747	746	744	748	753	754	751	751	751	743	736	732	728	723	724	731	733	733	742
11	738	753	754	752	750	748	744	745	741	736	741	733	733	750	755	761	759	747	719	740	733	746	733	734	744
12	753	750	744	773	751	748	741	745	741	748	734	716	631	721	740	650	737	739	732	716	723	715	730	737	730
13 Q	741	746	736	739	743	743	744	741	744	744	747	749	751	746	747	747	747	738	728	724	725	730	731	737	740
14	733	751	745	732	747	753	749	750	738	667	758	759	754	749	739	730	737	734	726	727	730	732	732	738	738
15 Q	742	783	776	765	763	761	761	761	761	761	761	761	761	758	756	754	754	752	743	743	741	739	739	737	756
16 D	743	749	748	755	756	755	779	765	706	108	215	630	734	748	767	762	752	742	739	736	707	732	749	776	694
17	764	731	744	746	742	745	745	744	735	716	591	577	705	765	764	754	747	740	737	734	736	739	741	740	728
18	742	743	745	745	741	745	751	747	716	739	763	758	754	753	751	747	737	716	721	733	734	736	738	743	742
19	731	742	745	746	748	749	749	757	766	762	756	764	762	759	755	743	734	725	731	742	741	715	739	741	746
20 D	747	741	740	741	743	757	703	724	286	644	721	776	759	727	715	741	734	702	667	716	718	727	732	739	708
21	742	740	735	739	741	750	766	722	708	659	554	524	693	755	769	759	743	726	723	723	719	731	740	750	717
22	757	759	762	757	753	759	759	755	750	736	696	741	767	765	762	731	741	735	724	716	701	725	780	780	746
23 D	785	859	829	812	791	796	576	291	536	692	723	727	739	744	749	755	748	718	734	716	727	724	739	740	719
24	752	750	749	741	742	744	771	727	727	738	750	726	647	729	750	745	720	721	733	733	733	737	742	741	735
25 Q	744	746	749	746	742	741	742	741	739	742	741	750	753	752	749	749	746	735	730	729	729	733	733	737	742
26	748	748	742	744	745	743	751	744	746	749	750	751	752	751	751	742	740	734	734	732	732	734	742	730	743
27	741	747	749	753	755	755	754	755	756	755	754	753	758	753	750	747	748	744	741	732	732	735	741	742	748
28 Q	735	746	751	752	752	751	751	753	754	750	753	753	752	757	759	757	749	739	732	728	724	723	728	735	745
29 D	740	754	751	746	750	760	751	754	755	754	747	730	746	758	742	713	743	739	723	692	675	844	1095	891	765
30 D	962	1021	924	901	953	912	819	690	672	650	450	594	720	686	652	714	750	735	716	710	701	727	722	768	756
31	744	764	747	771	745	754	745	750	754	744	735	728	710	714	698	682	713	714	710	716	718	746	775	772	735
Mean	754	763	760	759	758	759	748	725	700	687	678	707	728	742	743	740	741	732	727	726	723	733	750	750	735

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook D = 25° E + ... ′ March 1943

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	29.8	29.6	30.3	30.7	31.1	30.8	29.8	29.9	30.3	30.4	30.9	31.8	33.4	32.1	32.7	31.2	32.8	30.8	29.7	27.6	27.6	27.5	28.6	28.7	30.3
2	28.2	28.4	27.9	28.8	30.8	29.1	33.2	32.6	48.8	55.9	54.5	56.5	43.4	36.6	34.9	38.0	39.1	35.7	33.4	31.4	29.0	29.0	27.9	28.0	35.9
3	28.2	29.2	30.4	31.2	31.0	30.8	30.0	29.7	30.5	33.4	35.6	41.3	45.8	35.5	35.6	38.5	37.8	36.6	32.7	30.3	26.0	24.7	23.8	25.5	32.2
4	27.3	28.1	25.5	26.2	28.5	29.0	30.2	31.4	46.7	38.7	40.5	52.2	40.8	30.5	33.7	38.3	38.6	33.1	27.8	29.2	28.4	29.2	28.4	27.9	32.9
5	30.8	30.3	31.6	36.1	27.3	26.8	37.3	39.9	38.1	32.0	29.6	32.4	30.5	29.2	32.9	32.6	35.4	30.7	28.9	32.7	31.5	29.9	28.9	29.5	31.9
6	30.7	29.2	27.6	30.4	30.8	32.5	29.4	33.0	31.3	29.8	30.4	30.7	31.6	33.3	34.6	35.1	36.6	35.5	33.8	31.8	29.2	26.2	26.0	26.6	31.1
7	29.4	30.8	29.4	29.5	30.3	31.2	30.7	29.5	29.1	30.6	30.4	31.6	30.0	30.8	32.6	33.5	34.7	33.5	32.6	30.8	28.0	25.8	24.2	22.5	30.1
8	27.7	22.8	33.2	30.8	27.6	31.4	31.6	29.9	34.8	40.1	36.2	31.9	27.6	33.5	37.7	37.3	36.1	33.6	31.9	30.4	28.2	26.8	26.0	26.1	31.4
9	25.4	25.8	29.9	29.9	30.7	30.1	32.3	40.2	30.5	30.9	35.0	33.4	30.7	30.8	33.5	36.4	32.5	30.8	31.4	30.7	28.6	27.9	28.6	28.5	31.0
10 Q	26.6	27.9	28.7	29.1	30.3	30.4	30.5	31.6	29.8	31.6	31.7	32.3	32.7	33.1	34.7	35.4	33.8	31.8	30.1	28.1	27.6	26.1	25.8	25.0	30.2
11	26.0	27.6	29.3	28.1	31.3	33.4	32.9	30.7	31.5	31.7	32.7	32.1	32.6	36.4	34.9	38.4	40.0	39.3	33.7	24.7	29.6	25.0	23.4	26.8	31.3
12	26.8	28.6	31.4	33.5	38.9	30.3	30.6	30.8	31.0	34.5	30.7	34.1	25.0	26.7	34.2	29.6	30.0	30.2	31.8	29.6	29.0	26.8	28.1	28.4	30.4
13 Q	29.3	30.0	30.4	30.4	30.1	30.5	30.8	31.0	32.4	30.9	30.8	30.7	30.8	31.8	34.7	35.1	35.8	35.5	33.0	30.0	28.8	28.5	28.5	28.5	31.2
14	28.7	27.9	31.2	36.2	37.8	31.6	29.5	30.6	34.6	26.2	33.4	31.0	32.0	32.5	34.3	31.4	32.8	33.9	31.5	28.1	27.1	27.2	27.6	27.8	31.0
15 Q	28.7	28.1	28.6	28.8	28.8	29.0	29.5	29.5	30.0	30.2	30.7	31.2	31.5	31.2	31.5	33.2	33.6	30.7	28.8	26.9	26.6	26.6	26.6	26.9	29.5
16 D	26.9	29.0	27.4	27.8	27.6	27.5	34.5	45.2	34.0	06.7	12.8	50.0	37.4	30.8	31.3	33.5	29.7	28.9	28.9	27.7	21.1	22.2	25.5	23.2	28.7
17	26.9	27.9	29.3	29.8	29.3	30.1	31.2	31.8	31.4	28.6	27.3	31.0	33.7	34.9	35.6	35.2	34.5	33.0	30.7	28.7	28.0	27.8	28.5	29.9	30.6
18	30.1	29.2	29.2	29.1	30.6	32.3	31.7	30.6	36.3	37.2	32.6	31.7	31.7	32.5	34.1	35.5	35.4	32.3	26.1	26.8	27.9	28.2	28.8	28.6	31.2
19	29.0	27.8	27.9	28.1	28.4	28.6	29.4	35.4	30.8	31.3	33.7	32.4	33.8	34.4	34.5	37.3	36.4	36.5	34.2	28.8	29.4	23.1	26.2	27.5	31.0
20 D	28.6	28.7	29.3	31.5	30.4	31.9	23.5	34.6	71.7	50.0	40.4	34.6	33.8	32.1	31.9	32.7	34.8	33.4	26.8	22.2	20.6	26.7	27.9	28.3	32.8
21	28.0	28.7	29.8	29.7	29.4	36.2	40.8	29.7	35.4	35.3	37.5	16.6	40.6	40.4	40.1	41.1	38.2	32.3	29.5	22.5	23.1	23.5	24.3	25.3	31.6
22	27.5	27.2	27.1	27.5	28.1	28.8	28.9	29.6	31.5	30.6	36.8	34.4	34.6	32.6	36.2	31.6	28.8	31.1	30.7	26.9	28.8	24.1	23.0	25.3	29.6
23 D	40.4	27.0	52.4	31.2	30.3	21.8	13.3	34.6	01.5	37.5	35.5	36.1	36.5	36.9	37.3	37.7	37.3	35.6	31.4	31.1	28.8	27.8	28.8	28.3	31.5
24	28.9	30.4	29.5	30.2	30.1	29.6	48.2	41.9	29.2	32.9	31.8	30.5	19.9	27.2	33.7	35.2	34.1	31.8	30.8	28.9	27.6	27.5	27.7	27.9	31.1
25 Q	28.3	29.2	29.9	30.4	41.9	34.6	31.9	30.6	31.8	31.8	29.9	30.8	30.7	31.4	33.0	34.5	36.4	36.2	34.4	31.0	28.2	26.8	26.7	26.9	31.6
26	27.6	30.1	28.2	29.4	29.6	37.2	39.3	32.5	32.2	29.6	29.6	30.2	30.7	31.4	33.1	34.3	34.4	33.1	31.6	28.7	26.8	26.6	25.6	25.7	30.7
27	26.7	26.5	27.4	27.7	27.9	28.5	29.3	29.3	30.2	30.5	29.6	29.4	29.7	31.0	33.3	34.3	36.0	35.0	31.7	26.9	23.7	23.8	25.6	26.6	29.2
28 Q	28.3	28.8	29.0	29.6	29.6	29.6	29.7	32.1	32.5	30.8	29.6	29.4	27.7	30.9	34.5	37.0	38.0	37.2	34.7	32.6	27.5	25.6	24.4	24.6	30.6
29 D	25.7	28.4	29.1	26.9	27.4	35.5	34.1	31.7	28.4	28.8	30.9	34.3	31.7	35.0	41.1	35.3	32.8	36.6	39.7	40.6	33.6	37.2	33.2	21.0	32.5
30 D	21.5	26.4	24.3	26.3	35.3	32.9	26.6	26.5	28.7	32.4	32.9	30.6	30.3	35.9	41.3	39.7	34.7	35.4	31.2	31.5	26.5	23.7	23.7	23.5	30.1
31	25.1	33.2	30.4	29.2	37.5	31.3	28.8	28.0	28.6	30.4	31.1	30.9	29.7	31.7	31.5	34.4	34.4	31.3	25.5	26.2	24.6	26.1	24.7	27.7	29.7
Mean	28.2	28.5	29.9	29.8	30.9	30.8	31.3	32.4	32.9	32.6	32.8	33.8	32.6	32.7	34.7	35.3	35.0	33.6	31.3	29.1	27.5	26.7	26.7	26.7	31.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Meanook $Z = 59,000\ \gamma +$ March 1943

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		186	184	183	183	182	182	182	182	182	181	179	176	173	155	127	113	125	143	162	172	180	186	187	186	170
2		187	186	194	208	208	210	213	135	157	145	211	166	141	187	201	219	211	197	202	201	198	198	197	196	190
3		193	196	197	197	197	196	188	189	187	174	028	087	066	169	202	196	196	187	192	198	209	196	194	202	176
4		215	217	217	240	262	243	234	226	-014	080	011	-093	134	222	211	193	188	198	197	199	198	233	229	240	178
5		251	222	249	291	304	312	244	044	122	145	167	182	169	171	172	188	179	204	212	207	208	206	216	209	203
6		227	211	208	208	208	211	176	167	185	188	194	194	186	195	188	194	193	193	194	194	199	204	204	203	197
7		210	200	201	206	204	208	201	185	163	174	183	184	181	176	182	183	188	184	188	189	194	199	206	213	192
8		236	227	262	253	247	229	225	161	129	098	148	169	132	165	184	186	185	183	191	193	193	197	201	209	192
9		211	231	232	208	199	194	205	178	171	116	122	166	173	186	189	188	181	182	187	190	195	196	203	201	188
10	Q	200	200	201	199	197	196	198	199	176	175	176	184	187	189	189	187	183	180	181	187	197	204	205	209	192
11		209	229	229	228	246	235	212	201	200	175	170	168	156	166	188	189	185	178	177	178	189	210	222	215	198
12		224	234	237	243	216	211	195	191	187	162	148	127	089	146	166	111	186	181	187	186	201	200	210	199	185
13	Q	200	199	201	200	198	192	194	192	192	190	189	188	189	187	190	192	190	189	188	187	189	194	195	195	192
14		189	192	199	220	223	211	197	191	128	075	157	187	187	185	178	176	181	181	181	187	190	196	195	193	183
15	Q	200	216	210	202	200	197	195	192	190	186	184	182	184	184	186	184	182	181	173	173	179	184	186	184	189
16	D	184	208	202	188	191	222	203	117	147	067	030	075	143	188	212	198	186	195	198	202	211	223	214	241	177
17		255	201	197	193	189	196	212	198	178	145	061	-008	087	169	190	190	190	189	188	188	191	201	204	201	175
18		205	198	194	192	196	197	191	137	081	136	185	190	191	191	191	190	188	187	189	187	189	193	193	201	183
19		192	189	189	189	189	190	192	188	159	159	156	188	190	190	187	180	180	179	180	180	187	207	210	198	185
20	D	201	201	199	202	212	188	081	124	-144	003	014	165	174	160	150	182	188	178	186	215	191	197	199	202	153
21		205	206	210	207	200	196	140	098	102	086	045	-023	068	144	175	175	174	178	180	182	180	185	187	188	154
22		190	187	188	190	198	207	203	198	185	166	110	081	177	190	184	170	173	183	190	191	214	241	283	259	190
23	D	279	315	273	275	139	195	111	-019	-077	107	171	175	179	184	188	192	197	191	200	203	210	221	220	215	181
24		212	201	200	194	194	199	146	112	123	170	179	175	093	152	181	183	181	192	197	198	193	191	191	190	177
25	Q	191	189	189	191	194	187	190	183	179	171	172	184	188	188	189	190	190	189	186	184	187	191	192	191	187
26		195	199	200	193	192	193	170	170	176	181	184	185	186	186	186	185	181	177	175	172	173	182	193	191	184
27		188	188	187	187	188	188	188	188	188	188	185	168	176	177	177	177	177	177	177	175	176	180	188	190	183
28	Q	185	185	186	186	185	185	185	182	176	178	181	180	170	173	182	187	186	186	184	181	182	186	190	193	183
29	D	196	206	208	215	220	212	189	193	191	188	179	153	130	150	159	127	130	164	177	172	210	258	218	217	186
30	D	175	173	192	162	115	149	194	192	189	172	002	032	143	139	108	161	193	194	192	192	202	224	226	248	165
31		235	248	234	244	167	207	207	205	210	204	192	191	169	169	165	151	185	196	190	195	192	215	242	239	202
Mean		207	208	209	210	202	204	189	164	142	148	139	141	155	175	180	179	182	184	187	189	194	203	206	207	184

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook — March 1943

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	11	25	764	15	01	696	68	16	13	36.6	21	23	26.6	10.0	22	15	193	15	12	99	94
2	07	44	801	09	26	145	656	09	36	83.0	19	26	16.5	66.5	08	46	340	08	15	25	315
3	13	35	789	10	05	297	492	10	32	52.0	10	18	17.1	34.9	13	41	217	06	05	-40	257
4	08	09	900	08	58	144	756	08	07	68.0	05	28	21.1	46.9	23	48	301	11	24	-173	474
5	03	14	963	07	51	471	492	06	41	65.6	05	16	20.7	44.9	03	16	389	07	47	-44	433
6	06	36	789	06	51	672	117	07	39	41.1	06	52	10.5	30.6	06	36	228	06	47	81	147
7	02	30	758	20	37	707	51	16	50	36.3	23	18	21.3	15.0	24	00	223	07	56	150	73
8	02	28	849	07	56	667	182	02	48	49.2	07	47	12.7	36.5	02	34	318	09	15	73	245
9	06	53	785	08	46	622	163	07	30	49.9	01	25	22.9	27.0	01	55	283	09	28	83	200
10 Q	08	11	764	20	07	719	45	15	05	36.6	08	26	24.0	12.6	23	30	211	08	22	155	56
11	22	07	783	22	47	707	76	16	42	43.8	19	19	14.4	29.4	02	00	259	12	08	130	129
12	03	48	813	15	31	591	222	03	59	54.2	12	46	15.3	38.9	03	57	276	12	15	60	216
13 Q	01	34	762	20	24	718	44	14	01	36.6	23	21	26.6	10.0	01	44	210	13	55	173	37
14	10	18	766	09	24	597	169	08	45	43.4	09	23	15.3	28.1	04	45	236	09	28	39	197
15 Q	01	20	791	22	37	734	57	16	02	35.8	23	00	25.2	10.6	01	18	218	19	00	171	47
16 D	06	46	954	09	45	-388	1342	11	16	70.4	09	52	-26.3	96.7	23	58	314	10	35	-118	432
17	13	39	772	11	30	398	374	11	31	40.3	10	05	14.4	25.9	00	01	311	11	31	-108	419
18	09	37	773	08	48	682	91	09	02	45.9	18	24	24.8	21.1	23	58	211	08	33	47	164
19	08	07	805	21	36	692	113	07	30	44.1	21	23	18.8	25.3	07	55	223	08	15	79	144
20 D	05	46	824	08	51	-246	1070	08	35	105.8	06	21	10.7	95.1	19	17	269	08	42	-368	637
21	06	21	790	11	00	357	433	06	04	54.4	11	03	08.4	46.0	02	30	211	11	00	-80	291
22	22	16	828	10	52	611	217	10	34	42.8	11	02	-00.4	43.2	22	13	373	11	16	14	359
23 D	04	28	1090	06	46	26	1064	07	24	95.2	06	37	-95.2	190.4	02	26	365	06	58	-186	551
24	07	26	803	12	44	599	204	06	08	60.7	12	45	15.9	44.8	07	27	214	07	08	30	184
25 Q	12	11	756	08	50	724	32	04	51	49.3	22	12	26.4	22.9	04	53	204	08	06	159	45
26	06	34	768	23	17	722	46	05	46	43.8	22	55	23.1	20.7	01	55	204	06	48	139	65
27	11	51	763	16	05	719	44	16	10	39.4	20	50	21.7	17.7	23	23	193	11	22	160	33
28 Q	15	03	760	21	52	720	40	16	16	38.8	23	03	23.7	15.1	23	56	199	12	51	161	38
29 D	22	40	1195	20	10	624	571	18	40	63.1	23	59	11.1	52.0	21	18	292	12	35	96	196
30 D	02	06	1102	10	45	389	713	10	12	60.7	02	01	09.2	51.5	07	33	309	10	40	-94	403
31	03	43	858	16	37	673	185	03	53	53.6	03	09	21.1	32.5	23	01	318	04	18	131	187
Mean			836			509	327			52.9			12.8	40.1			262			34	228
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 13 Meanook H = 12,000 γ + April 1943

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	721	748	745	815	792	735	738	721	680	549	647	656	664	701	705	692	711	709	695	699	711	720	740	737	710
2	770	752	752	748	750	752	674	706	742	744	738	720	688	667	665	703	728	715	714	724	727	729	732	785	726
3 D	799	933	892	985	1046	829	738	778	747	612	461	567	695	759	754	727	708	685	697	722	730	735	757	762	755
4	768	779	781	751	764	792	776	606	718	719	633	612	754	736	673	689	705	701	718	750	753	740	742	768	726
5	750	810	923	768	749	743	746	736	658	561	641	706	720	704	722	722	700	729	726	724	726	732	757	745	729
6 D	757	746	745	743	742	743	743	739	500	380	480	259	496	745	739	687	749	745	736	735	736	744	768	748	675
7	768	769	808	751	752	744	743	656	782	746	754	736	648	665	740	755	744	741	728	724	729	734	751	758	738
8	733	752	749	743	746	748	751	712	666	725	688	734	730	748	753	762	755	740	733	720	719	726	732	740	734
9 Q	746	745	746	745	746	748	751	751	752	755	756	757	756	758	758	755	750	744	743	737	735	736	738	744	748
10 D	736	739	753	756	789	807	785	576	490	496	357	178	304	668	764	747	729	728	723	702	732	757	778	867	665
11 D	877	899	983	855	852	768	478	503	427	898	465	487	688	716	717	719	731	735	739	737	728	741	738	776	719
12	751	731	734	737	738	737	737	744	744	729	738	743	737	727	744	748	741	740	734	730	724	726	730	727	736
13 Q	733	738	742	743	744	743	746	737	757	753	753	755	756	756	756	744	745	732	730	727	739	731	732	722	742
14 Q	740	749	753	750	748	748	747	748	753	755	754	756	757	759	759	753	748	739	731	730	724	732	741	744	747
15	747	750	754	754	757	760	760	769	771	767	747	737	717	742	760	752	736	740	731	729	727	738	764	736	748
16	742	756	757	749	764	792	713	699	697	460	652	720	730	731	756	750	744	743	735	728	734	737	751	742	724
17	744	755	745	745	751	751	751	731	752	744	717	719	739	736	733	741	737	736	734	734	736	737	740	745	740
18	746	751	756	752	757	752	746	744	745	751	751	754	748	759	761	755	746	729	722	722	726	727	735	744	745
19	748	757	751	750	741	744	747	749	750	748	748	750	751	749	740	748	744	728	716	716	717	724	738	748	742
20	746	749	749	749	752	749	752	753	753	755	754	687	705	770	765	750	748	741	733	723	726	726	737	752	743
21	759	786	806	814	788	858	788	788	766	734	672	411	719	737	628	746	739	725	721	715	736	737	740	752	736
22	755	761	753	751	756	742	748	748	616	639	732	759	761	760	761	751	743	727	722	725	733	733	736	742	736
23 Q	739	745	747	751	748	747	747	750	751	757	758	758	758	758	757	753	745	732	725	727	734	736	739	739	746
24 Q	745	752	755	750	749	752	752	754	753	753	752	757	757	760	757	751	741	732	731	732	729	729	737	742	747
25	748	760	746	751	753	779	774	733	753	750	757	749	744	738	741	739	724	717	729	728	733	720	742	820	747
26 D	884	977	880	904	929	747	282	484	528	496	478	548	572	741	724	719	715	709	725	729	742	780	796	792	703
27	787	808	825	727	731	755	761	746	739	738	739	738	732	715	705	718	733	731	734	735	741	738	739	731	744
28	747	750	736	743	744	749	748	750	755	752	749	750	749	747	745	743	734	736	739	757	772	728	748	750	747
29	749	775	760	748	751	766	761	541	625	698	632	744	755	743	737	736	710	696	716	735	754	767	767	757	726
30	774	766	770	893	778	757	761	759	694	510	598	785	748	732	747	743	732	721	732	743	755	772	766	780	742
31																									
Mean	760	776	780	774	774	761	725	707	696	682	670	668	703	734	736	737	734	728	726	728	733	737	747	756	732

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Meanook D = 25° E + ... ′ April 1943

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	26.0	23.7	34.3	30.9	31.7	40.2	35.2	31.3	31.5	30.3	42.0	36.1	42.2	40.9	39.2	35.6	32.2	31.1	28.1	25.2	23.1	23.7	24.8	26.4	31.9
2	24.6	30.3	27.9	29.5	31.8	29.0	19.1	35.6	28.3	30.6	29.3	29.5	32.4	32.1	35.5	34.3	37.3	36.2	32.1	29.7	26.5	25.5	25.7	21.2	29.8
3 D	14.7	17.0	20.6	13.6	16.6	38.0	40.8	44.0	29.3	30.4	20.5	35.5	33.4	37.0	36.5	39.0	37.3	33.0	28.6	27.3	27.9	27.9	25.5	27.2	29.2
4	26.5	29.2	32.3	48.6	30.4	30.2	25.8	24.2	30.6	29.5	26.7	27.4	30.4	33.1	35.8	34.6	34.2	36.9	33.2	29.8	29.2	28.4	27.2	24.3	30.8
5	21.7	18.8	32.4	28.3	27.1	30.2	33.5	36.7	37.0	44.5	39.4	31.1	35.6	43.1	43.0	44.7	41.0	26.2	28.1	26.0	27.5	27.1	26.8	25.7	32.3
6 D	23.4	25.9	31.1	28.5	28.6	28.6	29.2	29.4	24.4	43.4	43.0	59.4	42.8	41.5	41.1	34.4	34.0	31.1	30.6	29.1	26.3	24.4	23.3	25.2	32.4
7	25.1	25.1	32.2	39.5	28.2	28.0	27.5	27.3	29.0	32.0	30.9	27.2	26.5	33.1	32.2	34.3	34.7	34.8	31.4	29.2	25.9	24.4	24.9	24.6	29.5
8	27.6	29.0	28.5	30.1	30.1	30.1	33.2	32.0	29.7	28.1	28.0	28.8	28.5	31.4	34.4	36.8	36.3	34.6	32.0	29.1	26.3	25.1	25.7	27.2	30.1
9 Q	28.5	28.7	28.9	29.5	29.2	28.9	29.1	29.2	29.4	29.7	29.9	30.3	31.8	33.2	34.5	35.6	34.8	33.6	30.8	28.2	25.9	24.3	23.1	21.3	29.5
10 D	23.7	26.6	27.6	27.9	29.4	25.8	21.8	28.4	23.5	34.0	20.6	83.5	58.7	41.4	44.0	42.5	43.8	40.6	30.5	27.8	26.0	21.6	21.6	22.1	33.1
11 D	21.5	18.4	21.3	17.5	15.3	16.4	20.4	15.3	48.4	42.3	50.1	39.7	33.3	32.7	33.2	34.4	34.6	32.2	29.4	28.6	27.2	27.0	25.9	26.0	28.8
12	27.4	26.1	28.4	29.9	30.0	30.2	31.5	35.8	33.2	33.4	33.5	32.0	31.0	32.0	36.5	37.7	37.4	36.1	34.4	31.8	29.9	28.2	27.9	28.0	31.8
13 Q	28.3	28.4	29.1	29.7	28.8	29.3	30.2	30.8	33.6	29.6	30.3	31.1	32.7	34.5	36.6	36.7	37.0	34.6	33.2	31.0	28.3	26.4	25.5	25.6	30.9
14 Q	26.2	27.7	28.3	28.4	28.4	28.8	28.3	28.4	29.2	29.2	29.2	30.1	31.8	34.0	36.0	37.2	37.5	35.3	33.1	30.2	25.8	24.2	23.6	23.7	29.8
15	25.2	25.6	26.0	26.3	26.3	26.4	27.2	27.4	28.6	30.2	28.8	33.1	32.1	35.2	37.9	38.0	36.9	35.7	35.0	28.5	22.0	21.5	19.7	20.9	28.9
16	21.9	24.5	27.3	27.0	28.1	39.4	38.1	36.4	29.9	29.1	22.9	33.6	35.8	38.2	37.2	36.3	37.0	34.8	34.1	31.0	27.3	25.9	24.3	23.8	31.0
17	24.3	26.1	28.2	27.6	28.8	28.8	51.3	36.7	34.4	31.2	26.1	27.1	30.7	33.0	35.4	36.7	34.6	34.5	31.8	29.2	27.1	25.2	24.9	24.4	30.8
18	25.6	27.9	28.2	30.9	37.0	32.9	28.9	28.6	27.3	27.5	29.1	30.2	33.0	35.0	37.8	38.9	38.9	36.1	31.7	27.8	24.8	24.7	24.3	24.3	30.5
19	25.3	25.9	28.2	31.9	29.9	28.5	29.8	29.9	29.0	27.4	27.8	28.9	31.1	33.0	32.9	35.7	37.2	35.4	32.9	27.9	26.3	24.7	24.5	25.7	29.6
20	27.2	27.8	27.9	28.2	29.0	31.1	33.0	28.3	27.4	28.1	27.2	29.0	32.9	37.7	40.7	41.4	38.5	35.0	32.0	28.2	26.5	24.3	24.1	24.6	30.4
21	23.8	22.2	30.1	29.7	29.8	29.9	37.4	31.7	27.3	27.1	28.2	25.7	32.9	36.5	36.6	36.6	37.1	34.2	32.1	25.6	24.8	24.4	24.8	26.2	29.8
22	27.2	28.0	28.1	29.0	29.7	40.6	34.9	29.4	23.0	38.7	35.5	32.9	34.4	34.8	36.9	35.9	35.2	32.2	28.9	25.8	25.4	24.5	25.1	25.5	30.9
23 Q	26.1	27.3	27.9	28.4	28.6	28.8	28.8	28.9	29.0	29.8	30.9	31.5	33.5	34.2	35.6	35.8	35.6	33.5	31.2	28.0	26.1	24.7	24.0	23.2	29.6
24 Q	24.0	25.1	26.3	28.0	28.5	28.6	30.0	29.8	30.0	30.0	29.4	31.0	31.1	33.8	35.5	36.0	35.8	34.7	33.0	30.8	28.0	27.1	25.7	24.4	29.9
25	24.7	24.0	29.1	27.1	27.4	32.3	35.4	34.3	30.2	29.7	29.7	32.9	36.4	35.8	38.3	39.8	33.1	29.3	29.8	27.9	26.8	24.2	23.0	21.0	30.1
26 D	18.4	11.8	12.3	02.6	01.0	05.3	46.4	41.4	39.2	40.6	44.7	42.1	39.9	35.8	40.5	41.1	40.3	31.9	26.8	24.9	21.3	22.6	20.3	20.8	28.0
27	20.1	26.0	26.3	25.9	28.7	27.7	26.6	28.9	29.3	29.0	29.1	30.0	31.8	32.6	32.8	31.8	32.9	33.5	30.8	27.1	25.1	24.7	26.1	27.1	28.5
28	26.7	26.4	27.0	27.4	28.6	33.7	27.0	32.6	29.9	28.9	29.9	30.9	32.4	34.2	35.2	35.5	34.3	32.6	28.2	25.8	27.4	22.0	20.8	22.2	29.2
29	23.9	23.1	26.9	28.1	27.3	25.2	29.4	34.6	31.4	32.6	30.9	31.9	32.0	35.6	38.1	36.9	37.5	32.3	23.6	20.6	20.2	20.2	19.6	19.7	28.4
30	22.4	23.8	23.1	21.8	29.3	25.8	33.2	29.4	33.6	17.0	33.7	34.3	35.4	36.4	36.6	36.4	33.6	33.5	27.5	21.9	21.0	20.1	19.9	23.4	28.0
31																									
Mean	24.4	25.0	27.5	27.7	27.4	29.3	31.4	31.2	30.6	31.5	31.2	34.2	34.2	35.4	36.9	37.0	36.4	33.8	30.8	27.8	25.9	24.6	24.1	24.2	30.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Meanook $Z = 59,000\ \gamma +$ April 1943

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	201	222	235	269	228	147	161	165	160	120	112	114	082	126	113	107	073	162	182	204	204	195	204	207	166
2	220	243	225	229	245	214	035	131	152	176	181	176	137	118	123	165	195	193	197	200	205	211	208	235	184
3 D	243	322	356	305	164	228	125	136	195	159	037	039	113	171	206	194	209	207	218	213	210	212	229	254	198
4	249	249	252	225	274	275	265	180	182	183	127	086	188	195	157	186	176	182	203	232	223	206	208	225	205
5	230	296	310	283	270	241	222	175	120	107	116	191	190	149	148	173	172	196	195	202	203	220	267	270	206
6 D	235	232	246	220	213	209	209	187	073	-025	-074	-166	-065	122	143	152	215	215	202	206	215	223	238	235	152
7	244	247	297	275	252	232	206	123	108	161	187	183	114	085	190	208	207	208	211	217	219	211	217	218	201
8	216	220	223	220	211	211	211	156	053	125	128	177	190	198	201	205	207	204	204	204	204	204	201	204	191
9 Q	206	204	203	204	204	204	204	204	203	203	203	203	204	205	203	201	199	198	201	201	198	201	204	206	203
10 D	204	320	246	131	101	127	355	424	388	208	180	250	180	205	196	195	207	211	210	219	234	247	253	273	232
11 D	248	228	220	217	211	214	218	211	207	178	180	194	196	185	199	205	205	204	203	204	211	216	217	215	208
12	209	198	204	207	257	277	249	074	166	183	208	223	062	100	194	208	208	220	225	236	291	278	256	306	210
13 Q	322	205	203	204	204	204	199	162	161	191	194	194	195	195	195	192	195	195	195	195	194	194	196	191	199
14 Q	185	186	186	186	188	188	189	189	188	188	189	190	191	191	190	189	188	188	186	186	185	184	186	188	188
15	189	186	188	188	189	194	196	195	190	186	151	139	107	125	163	175	178	177	184	185	182	186	195	193	177
16	196	196	205	207	217	170	055	117	122	-074	096	119	132	164	189	195	193	195	196	197	196	194	197	197	161
17	196	205	207	204	207	206	123	066	154	171	155	156	179	182	177	178	184	186	189	191	194	194	192	193	179
18	196	196	195	207	238	219	196	186	176	187	187	187	181	184	190	189	191	190	189	189	189	187	187	190	193
19	187	193	198	213	210	195	187	186	187	180	168	181	185	178	176	177	180	181	184	189	189	189	190	190	187
20	190	186	185	185	185	189	180	185	186	186	177	035	101	178	186	177	172	180	185	183	189	200	197	197	176
21	210	264	280	280	231	165	153	224	210	177	126	055	152	155	056	128	183	190	192	206	207	206	186	176	184
22	171	177	176	176	183	190	176	169	-018	027	104	168	181	180	178	177	182	183	184	184	183	187	187	186	161
23 Q	182	180	179	179	178	178	178	178	177	168	178	178	178	178	177	177	178	176	174	174	173	174	178	179	177
24 Q	177	174	174	176	177	178	178	179	178	176	174	172	169	174	177	177	176	172	169	171	173	173	177	179	175
25	184	191	210	200	208	240	196	165	179	180	183	166	156	155	155	157	171	180	187	185	187	188	208	259	187
26 D	280	211	115	181	128	124	010	223	293	234	239	199	133	190	191	196	195	188	194	196	199	233	232	242	193
27	261	259	211	207	205	215	219	191	188	190	190	190	188	180	170	168	179	180	179	180	185	185	191	188	196
28	189	193	188	188	189	188	194	187	183	183	185	185	181	180	181	182	182	184	181	182	189	182	180	201	186
29	225	234	222	188	198	211	113	-027	129	144	148	162	191	187	179	188	186	181	189	192	200	211	214	220	178
30	252	192	209	240	135	213	165	146	121	101	-047	179	177	170	187	189	195	198	199	191	198	211	212	229	178
31																									
Mean	217	220	218	213	203	202	179	170	167	152	146	151	152	167	173	180	186	191	194	197	201	203	207	215	188

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook — April 1943

Day		Horizontal Intensity						Declination						Vertical Intensity					
		Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
		h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1		05	06	927	09	17	382	545	05	16	66.8	09	21	18.9	47.9	05	09	302	12	16	51	251
2		23	55	816	06	35	584	232	07	20	42.0	06	50	10.2	31.8	01	07	275	06	35	-109	384
3	D	04	36	1187	10	20	179	1008	06	32	66.5	04	32	00.8	65.7	01	23	395	06	41	-22	417
4		02	31	844	07	28	368	476	03	19	59.4	07	14	-01.9	61.3	06	18	314	11	03	-32	346
5		02	41	1027	09	36	493	534	02	53	55.7	01	51	14.0	41.7	02	38	354	10	14	42	312
6	D	22	34	798	11	32	-427	1225	09	09	85.7	08	57	-01.8	87.5	09	09	283	11	25	-301	584
7		02	26	878	07	57	536	342	03	16	53.2	08	03	21.4	31.8	02	27	348	08	00	7	341
8		02	12	778	08	00	517	261	07	02	40.4	08	00	-04.4	44.8	02	47	233	08	00	-37	270
9	Q	14	24	763	20	09	719	44	15	42	36.8	22	18	20.5	16.3	23	24	210	20	12	194	16
10	D	23	36	905	11	29	-147	1052	11	27	201.8	10	36	-18.9	220.7	06	38	630	03	25	-214	844
11	D	02	34	1031	06	38	-67	1098	08	31	86.9	03	29	-84.8	171.7	00	01	256	10	25	168	88
12		00	38	769	13	32	715	54	15	30	38.0	00	57	25.1	12.9	11	53	608	11	04	-159	767
13	Q	08	38	765	22	49	714	51	08	00	38.9	07	42	24.4	14.5	00	47	345	07	56	111	234
14	Q	12	52	764	20	10	719	45	16	20	38.4	22	32	22.7	15.7	12	58	195	21	27	183	12
15		08	26	817	12	34	701	116	15	04	41.1	22	48	18.0	23.1	22	44	210	12	20	92	118
16		05	30	919	09	26	269	650	05	47	51.8	10	32	15.9	35.9	05	16	236	08	49	-172	408
17		06	46	822	07	44	659	163	06	31	75.4	10	52	22.0	53.4	05	18	209	07	38	14	195
18		04	22	815	20	21	715	100	04	00	45.8	21	27	22.7	23.1	04	06	260	08	28	169	91
19		01	27	790	19	04	708	82	03	50	38.9	22	00	23.8	15.1	03	32	227	10	06	166	61
20		23	54	788	11	59	577	211	15	13	43.6	23	56	22.5	21.1	23	55	209	11	55	-23	232
21		05	28	990	11	17	155	835	06	03	66.8	11	00	07.4	59.4	03	13	317	06	07	-48	365
22		01	16	781	09	01	520	261	05	13	47.5	08	51	18.9	28.6	05	11	207	08	46	-119	326
23	Q	13	35	764	18	22	718	46	15	55	36.8	23	20	22.3	14.5	23	25	185	09	07	160	25
24	Q	14	00	761	18	30	722	39	14	56	37.0	00	37	23.2	13.8	23	25	182	19	37	165	17
25		06	47	974	06	36	671	303	06	52	48.4	23	24	17.1	31.3	23	54	315	07	09	132	183
26	D	02	12	1191	06	35	70	1121	06	20	76.9	02	17	175.6	252.5	08	17	372	06	39	-179	551
27		01	31	842	15	03	694	148	17	04	35.1	00	32	18.2	16.9	01	21	294	15	13	157	137
28		23	07	815	21	39	708	107	05	18	40.5	23	00	17.6	22.9	23	10	210	21	45	170	40
29		06	25	835	07	38	456	379	06	32	53.6	06	50	10.5	43.1	02	18	265	07	22	-112	377
30		03	52	1098	09	46	4	1094	06	55	57.4	09	48	-61.9	119.3	09	36	308	10	05	-148	456
31																						
Mean				875			454	421			56.9			02.3	54.6			292			10	282
No. days				30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 17 Meanook H = 12,000 γ + May 1943

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 D	765	758	830	829	899	680	290	502	305	025	187	557	638	561	558	611	640	658	676	729	802	915	963	934	638
2	843	757	784	781	812	767	711	725	412	390	594	659	661	637	658	675	744	717	702	723	743	755	753	764	699
3	780	754	745	742	738	739	739	744	746	747	745	724	694	710	713	707	707	721	709	719	721	726	751	749	732
4	765	756	756	750	805	811	759	749	743	739	739	741	758	756	755	747	745	744	747	737	743	729	739	743	752
5	744	769	750	756	748	748	755	735	721	771	757	712	723	721	755	754	740	736	728	726	731	739	747	761	743
6	749	754	752	751	748	749	755	758	758	759	740	745	761	765	750	737	740	746	740	733	737	737	738	740	748
7 Q	749	749	749	760	748	746	740	739	736	745	753	759	761	756	749	757	759	756	750	754	747	746	749	759	751
8 Q	765	769	755	756	758	760	760	763	765	767	769	769	765	754	745	749	745	743	732	734	730	743	749	749	754
9 Q	752	749	747	747	749	749	756	754	756	763	765	763	758	760	760	752	749	747	745	749	756	752	754	754	754
10	778	782	771	769	769	771	782	787	789	793	789	765	769	774	771	767	763	758	756	771	765	769	767	767	773
11	776	763	760	763	763	771	774	771	769	765	765	767	765	769	771	774	767	760	752	767	774	756	758	767	766
12	776	802	811	861	809	758	765	721	732	771	767	758	763	760	765	760	754	752	752	749	741	749	752	767	766
13	752	774	773	761	772	772	786	663	477	455	576	620	738	768	701	750	749	762	759	765	765	750	763	770	718
14	766	775	788	763	771	759	753	752	734	594	541	695	755	774	771	757	764	744	749	749	748	747	752	766	740
15 D	818	941	897	886	720	733	323	590	459	557	447	251	721	752	749	759	758	764	758	759	754	781	740	746	694
16	753	754	761	757	756	755	756	757	763	751	713	412	308	652	775	758	763	782	730	751	750	761	776	768	719
17	765	826	824	786	772	744	726	722	696	730	734	751	756	763	747	722	574	677	693	755	752	740	758	762	741
18 D	784	858	937	890	729	589	401	345	428	673	409	423	737	780	765	752	757	746	719	724	743	792	789	775	689
19	779	798	821	803	772	735	636	622	733	751	745	723	681	604	717	748	750	747	735	732	733	734	714	745	732
20	790	752	752	750	745	747	745	748	746	739	718	716	671	754	761	762	757	745	732	734	738	741	755	762	744
21 Q	762	753	746	744	749	750	747	752	747	737	752	770	763	762	764	752	745	730	730	730	732	735	742	742	747
22 Q	750	757	756	750	755	751	759	751	747	747	750	758	760	756	753	751	741	728	725	727	734	744	737	751	747
23	765	766	758	758	758	758	798	756	723	727	590	554	741	749	745	743	736	734	719	721	745	754	763	767	734
24 D	848	969	966	820	743	749	748	735	712	690	664	766	760	727	665	670	690	716	719	726	728	760	820	810	758
25	800	925	784	762	842	800	790	582	510	665	701	675	632	573	718	747	744	725	728	737	759	768	770	765	729
26	806	803	751	746	742	747	751	756	751	737	748	749	718	714	734	731	721	733	726	735	742	742	761	784	747
27	827	792	770	813	804	797	756	578	665	694	725	751	763	749	747	746	753	756	748	744	752	757	798	803	754
28 D	783	903	929	898	773	734	706	640	463	397	351	679	730	721	682	688	732	752	749	727	745	752	804	835	716
29	787	760	748	736	739	746	729	731	734	742	761	741	730	762	760	725	602	584	715	615	731	725	804	770	728
30	763	779	762	749	755	756	719	631	756	749	751	756	757	747	739	754	753	746	739	724	726	738	741	762	744
31	756	763	755	749	749	747	753	750	753	756	756	748	747	765	761	763	757	742	728	722	732	734	743	732	748
Mean	777	794	790	780	768	749	709	697	672	675	671	686	719	729	736	738	732	734	732	734	745	754	766	770	736

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18 Meanook $D = 25° E + \ldots '$ May 1943

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 D	21.2	21.6	32.5	41.4	41.0	25.1	34.3	21.1	15.2	31.5	41.8	42.5	53.3	51.3	37.1	25.8	32.4	34.0	25.6	23.5	19.3	26.7	26.9	23.0	31.2
2	28.1	24.2	24.9	35.7	35.1	41.0	26.8	28.6	38.0	24.7	37.9	27.0	33.3	42.7	42.7	33.9	36.6	32.2	21.5	19.3	21.9	22.0	23.3	24.3	30.2
3	31.1	27.9	27.3	27.9	29.7	28.6	28.0	27.9	28.7	30.0	28.0	31.9	31.3	36.0	41.4	38.6	40.6	33.6	24.8	24.7	25.1	22.8	21.0	19.3	29.4
4	20.0	21.9	24.5	25.9	30.4	48.1	32.9	28.6	28.0	27.7	30.5	27.9	30.7	32.7	35.5	36.1	37.0	33.7	31.2	26.5	25.7	22.1	22.0	23.9	29.3
5	25.1	25.8	27.4	28.6	30.3	27.5	35.2	33.8	30.3	29.5	27.7	28.6	36.0	31.0	34.5	34.3	33.7	30.6	27.4	23.1	22.0	20.9	21.0	22.8	28.6
6	25.0	26.9	26.6	26.7	26.8	27.8	27.6	27.8	27.5	27.0	27.5	29.1	33.8	36.6	36.6	36.3	33.3	30.7	27.7	25.1	24.1	23.9	23.2	23.9	28.4
7 Q	24.8	24.5	24.6	24.2	25.2	25.7	28.8	32.2	33.7	35.2	34.6	34.5	33.5	30.6	29.0	28.6	28.6	27.7	28.0	29.8	27.1	28.6	37.8	31.5	29.5
8 Q	25.0	24.4	25.4	26.8	26.7	28.0	27.7	27.2	27.1	27.6	28.0	28.5	30.4	33.6	33.7	34.9	34.9	34.6	30.2	26.9	23.8	21.5	20.8	21.8	27.9
9 Q	23.7	25.9	27.4	27.4	27.0	27.5	26.4	27.2	31.9	31.6	29.5	29.6	33.3	33.3	34.5	33.6	33.6	33.7	28.9	26.5	25.3	24.6	23.5	23.5	28.7
10	23.8	25.7	25.5	25.4	25.8	26.3	25.7	25.7	26.1	25.9	27.8	29.6	37.1	37.3	37.1	36.6	36.4	34.5	28.0	24.9	23.9	21.6	20.0	21.0	28.0
11	22.1	24.9	25.6	25.3	25.8	24.0	24.7	25.8	27.8	28.9	29.7	30.7	31.6	31.5	32.9	33.9	36.3	30.4	26.8	25.0	23.8	21.0	20.7	21.1	27.1
12	21.0	22.6	24.8	27.9	38.9	25.5	27.0	43.0	29.2	30.5	29.7	30.9	31.1	33.6	34.5	35.8	36.6	34.1	31.9	29.4	27.0	24.8	23.8	22.9	29.8
13	23.0	23.2	23.9	23.9	23.8	24.0	28.2	31.7	47.3	30.6	34.0	33.3	37.7	35.6	39.7	37.9	33.5	32.1	25.9	25.3	24.9	23.4	23.8	24.2	29.6
14	25.4	26.5	26.2	35.5	28.2	27.4	25.9	27.8	24.6	26.7	42.8	33.5	31.0	36.1	36.9	37.7	36.7	32.6	28.0	24.8	23.8	23.9	23.7	24.4	29.6
15 D	29.5	34.0	36.8	40.0	33.9	26.7	23.3	41.2	32.3	30.1	18.2	29.0	37.3	37.5	39.6	35.2	34.1	34.2	31.3	30.2	27.1	27.3	25.9	24.9	31.6
16	24.8	24.4	24.9	25.6	25.7	26.9	28.2	28.4	26.6	29.0	32.4	59.6	63.2	47.5	36.2	34.6	34.0	31.3	27.8	25.4	21.4	21.4	21.6	23.4	31.0
17	26.1	34.9	19.4	25.3	26.2	25.9	27.1	25.7	29.1	31.3	37.1	37.8	37.1	35.9	34.5	26.2	38.3	29.8	41.6	44.7	25.1	25.6	26.5	29.8	30.9
18 D	29.3	20.3	31.2	21.5	27.3	36.8	38.6	02.9	09.8	29.5	43.1	28.0	37.0	40.6	41.5	38.1	33.0	30.7	28.1	22.2	21.6	23.3	26.4	23.2	28.5
19	23.8	25.4	34.0	24.8	22.6	35.0	30.6	41.5	34.7	25.9	25.5	26.0	26.4	30.2	37.2	37.4	35.5	33.5	29.1	24.7	25.7	20.2	20.2	22.9	28.9
20	25.2	30.4	28.2	28.2	28.1	28.6	29.9	29.4	27.8	28.5	26.7	25.5	25.1	32.4	36.4	38.9	36.9	33.3	30.0	26.5	23.8	23.0	24.3	25.2	28.8
21 Q	25.5	28.0	28.4	29.1	27.8	27.7	30.5	29.6	28.4	31.2	33.5	30.8	32.3	35.1	36.3	38.7	38.0	33.8	30.5	27.2	24.8	22.8	21.7	22.6	29.8
22 Q	24.3	25.1	25.6	25.6	25.7	25.3	26.7	29.4	27.1	29.2	28.4	29.6	30.5	33.2	34.9	35.5	35.2	33.6	30.6	25.2	22.3	19.8	19.5	19.4	27.6
23	20.3	22.3	24.2	26.4	26.9	33.4	31.5	29.0	29.5	34.6	21.8	17.7	33.9	34.4	36.3	36.5	36.1	35.8	33.9	27.6	24.7	19.6	16.7	14.5	27.8
24 D	15.0	12.6	10.4	19.8	24.3	24.6	26.8	27.4	31.3	22.4	24.8	28.0	31.5	33.8	30.1	33.9	29.2	27.5	26.7	26.7	21.7	19.3	21.7	23.4	24.7
25	17.5	19.9	24.0	19.6	24.9	27.0	26.4	39.3	37.3	35.9	28.2	29.0	30.2	47.9	38.9	38.5	36.3	36.9	32.7	27.8	25.2	22.0	19.4	20.2	29.4
26	21.3	25.9	24.4	26.1	25.1	28.2	27.2	25.8	25.5	24.9	26.6	26.5	25.5	31.4	33.9	34.4	35.6	31.8	31.7	28.0	24.9	21.6	16.3	15.7	26.6
27	21.7	19.4	17.8	20.5	23.2	24.1	24.9	28.0	30.2	26.2	22.3	24.9	28.8	33.7	36.4	36.5	37.8	35.2	32.7	28.0	25.2	21.7	20.2	17.5	26.5
28 D	14.3	16.5	22.8	27.7	39.7	30.4	38.3	32.3	31.4	26.4	36.8	36.0	32.5	35.2	34.0	30.6	35.4	38.8	35.9	31.3	26.7	23.8	24.8	28.7	30.5
29	24.5	23.1	22.2	21.4	22.5	25.1	26.3	29.1	33.2	34.4	34.4	33.7	32.6	32.7	30.2	27.3	16.4	28.2	30.6	24.5	25.7	28.3	38.7	22.6	27.8
30	22.5	23.6	32.8	29.0	26.7	27.5	26.7	21.3	29.6	28.5	29.0	30.4	33.4	34.2	37.6	37.3	36.8	36.1	33.8	27.5	23.5	21.9	20.1	21.5	28.8
31	23.0	25.4	26.7	26.9	26.7	30.1	27.5	27.7	27.0	27.2	27.2	28.2	32.9	36.9	40.6	42.2	39.1	35.2	31.0	28.4	24.2	22.0	20.0	19.8	29.0
Mean	23.5	24.4	25.8	27.1	28.1	28.7	28.7	28.9	29.2	29.1	30.5	30.9	34.0	36.0	36.2	35.0	34.8	32.9	29.8	26.8	24.2	23.0	23.1	22.7	28.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Meanook $Z = 59,000\ \gamma +$ May 1943

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 D	209	241	302	234	161	020	076	206	151	137	196	110	041	047	103	090	119	159	193	236	266	302	294	279	174
2	225	238	260	223	241	182	078	130	095	-041	050	113	106	086	068	106	199	201	191	204	215	214	217	215	159
3	234	201	196	193	193	191	190	190	185	170	167	154	137	146	148	150	161	174	170	177	191	199	217	239	182
4	223	210	201	206	244	154	201	202	188	172	162	156	193	196	198	191	188	186	188	185	196	199	202	209	194
5	206	230	218	222	215	209	185	102	092	190	185	138	130	113	148	161	170	175	182	185	188	190	191	191	176
6	206	234	217	207	196	196	196	194	193	182	148	145	158	175	178	166	159	164	174	175	178	185	191	193	184
7 Q	194	206	196	193	188	186	185	183	183	188	190	190	191	185	185	186	190	162	170	174	201	206	218	224	191
8 Q	202	197	197	193	191	191	190	190	189	189	189	189	189	185	182	183	181	180	180	180	181	182	184	189	188
9 Q	191	189	187	185	184	185	186	162	188	183	184	183	185	185	184	182	181	182	180	179	180	181	182	186	183
10	189	198	195	194	192	192	192	192	192	186	152	128	160	183	191	185	182	182	183	184	181	183	188	188	183
11	199	196	192	191	192	194	201	209	203	196	195	195	196	196	196	192	187	183	188	190	191	192	201	211	195
12	203	203	214	284	239	215	196	009	090	173	189	190	189	190	192	190	191	191	192	194	190	192	194	202	188
13	196	190	192	192	200	209	164	137	275	114	067	054	145	196	157	186	197	218	203	197	202	203	210	208	180
14	199	207	244	242	232	224	189	189	175	-016	012	111	200	209	200	190	192	191	191	190	190	196	204	223	183
15 D	271	296	105	123	037	092	-011	103	247	074	062	-083	096	165	168	188	190	191	185	188	199	209	209	195	146
16	189	189	189	189	190	190	196	198	196	158	089	-073	069	166	200	197	198	197	197	211	213	210	204	210	174
17	210	271	266	232	215	204	186	179	161	161	176	177	184	188	169	098	076	101	132	150	195	202	217	220	182
18 D	251	259	138	193	081	095	054	211	135	098	013	-047	121	188	193	202	192	189	200	193	205	228	248	216	161
19	197	232	250	225	169	170	143	004	064	169	171	159	112	059	117	171	187	199	192	194	218	271	234	214	172
20	216	212	203	200	196	196	194	187	174	153	125	110	104	172	177	182	187	187	185	186	187	189	202	211	181
21 Q	214	212	206	200	194	192	180	190	166	126	112	171	188	188	189	188	188	185	183	180	180	184	185	178	182
22 Q	175	177	178	179	180	184	177	178	194	187	174	173	177	178	178	182	180	178	176	169	172	178	178	178	178
23	179	188	185	183	185	209	206	190	143	136	047	001	132	153	156	172	174	172	170	170	175	190	202	209	164
24 D	258	260	176	263	221	201	200	143	125	148	110	172	178	170	106	084	109	146	163	173	197	225	249	284	182
25	239	282	257	232	266	244	222	-035	083	146	175	150	116	-001	094	158	176	181	192	211	222	236	234	221	179
26	244	220	230	214	187	193	194	194	185	168	170	181	160	155	155	159	160	174	176	181	197	203	212	239	190
27	273	232	233	249	240	238	190	094	126	133	147	163	191	184	185	181	178	179	173	173	183	200	258	236	193
28 D	252	268	272	217	147	043	094	134	063	002	010	013	119	156	121	126	175	195	193	193	196	199	230	244	153
29	219	182	182	184	192	191	179	178	178	180	179	165	167	184	172	123	045	080	114	032	123	123	178	212	157
30	198	196	222	209	207	215	129	024	160	171	181	182	182	176	164	173	179	180	180	178	181	188	194	202	178
31	195	190	187	186	184	187	177	162	150	165	177	163	147	173	171	171	171	171	167	168	171	177	186	186	174
Mean	215	220	209	208	192	180	166	149	160	142	136	124	150	160	163	165	170	176	180	181	192	201	210	214	178

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook — May 1943

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	23	58	1158	09	01	-271	1429	10	05	159.5	07	38	-33.0	192.5	08	57	462	05	12	-204	666
2	00	00	1106	08	54	-113	1219	08	47	61.8	09	09	-01.7	63.5	02	55	278	09	31	-124	402
3	00	20	804	12	54	683	121	14	12	44.3	23	01	16.0	28.3	23	26	254	12	35	124	130
4	05	08	1028	05	41	710	318	05	23	66.6	01	02	19.2	47.4	04	35	292	05	41	92	200
5	06	44	796	11	59	641	155	07	02	46.7	21	32	19.8	26.9	01	18	239	08	18	17	222
6	13	24	771	16	02	719	52	16	02	38.5	22	01	22.5	16.0	01	04	242	10	44	127	115
7 Q	23	56	782	08	09	729	53	22	54	45.3	03	27	23.5	21.8	23	58	236	17	45	148	88
8 Q	11	28	771	20	00	725	46	17	06	37.4	22	03	20.0	17.4	00	54	201	19	55	175	26
9 Q	09	21	769	17	47	736	33	14	41	35.5	22	30	23.1	12.4	08	51	194	07	50	151	43
10	09	15	795	11	43	749	46	13	00	42.5	22	25	19.1	23.4	00	55	200	11	29	116	84
11	22	30	820	17	37	725	95	16	21	44.5	23	28	18.7	25.8	23	22	227	17	11	175	52
12	03	53	986	08	00	677	309	07	34	54.1	08	01	19.1	35.0	03	20	314	07	34	-66	380
13	06	39	821	08	25	290	531	08	24	63.0	08	54	10.2	52.8	08	36	480	09	57	108	372
14	02	09	810	10	40	367	443	10	37	53.8	08	57	17.0	36.8	02	46	307	09	58	-71	378
15 D	02	31	1211	11	18	60	1151	02	30	83.2	05	56	-56.0	139.2	08	37	377	05	55	-168	545
16	22	50	828	11	46	-7	835	11	56	123.2	12	17	-48.5	171.7	12	02	253	11	29	-288	541
17	02	29	894	16	32	497	397	20	07	69.6	02	26	10.1	59.5	02	55	335	16	39	10	325
18 D	02	29	1152	07	07	70	1082	06	17	71.0	08	00	-73.4	144.4	07	21	319	10	45	-173	492
19	02	42	898	07	05	513	385	07	07	75.0	07	45	08.9	66.1	02	39	300	07	52	-72	372
20	00	36	840	12	03	628	212	15	32	40.0	12	08	20.6	19.4	01	15	221	12	03	49	172
21 Q	10	57	778	18	58	719	59	16	52	40.1	22	23	21.3	18.8	01	18	217	10	19	71	146
22 Q	06	26	773	19	06	721	52	15	19	36.4	22	59	18.9	17.5	08	20	202	06	53	151	51
23	24	00	872	10	48	432	440	09	03	52.5	10	53	01.9	50.6	23	55	252	10	56	-50	302
24 D	02	17	1114	10	02	477	637	15	55	41.4	02	22	-13.4	54.8	23	46	319	10	00	9	310
25	01	43	1132	08	05	338	794	12	21	55.9	01	14	12.7	43.2	01	36	327	07	50	-143	470
26	00	56	870	13	51	703	167	16	40	38.3	22	59	12.7	25.6	00	35	260	14	02	145	115
27	03	44	869	07	09	520	349	15	55	41.7	03	47	03.3	38.4	03	25	320	07	50	-8	328
28 D	01	18	1076	07	55	121	955	05	20	77.4	05	12	-11.6	89.0	01	56	320	10	00	-48	368
29	22	29	841	19	47	491	350	22	30	49.4	19	58	07.3	42.1	22	51	237	19	52	-57	294
30	01	23	795	07	04	457	338	16	00	39.3	07	23	-00.9	40.2	02	10	235	07	00	-177	412
31	22	24	778	19	01	707	71	15	12	43.5	23	03	18.8	24.7	01	12	200	12	06	115	85
Mean			901			478	423			57.1			04.1	53.1			278			4	274
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 21 Meanook H = 12,000 γ + June 1943

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	742	761	760	758	764	766	770	768	726	709	772	773	754	771	773	773	776	762	759	749	747	717	731	753	756
2	758	760	756	762	755	756	756	762	765	742	612	642	675	770	781	764	756	748	742	747	756	749	749	754	742
3	763	756	760	756	752	751	756	749	763	763	760	767	765	771	769	765	756	747	732	733	735	742	753	759	755
4 Q	742	749	759	766	751	758	757	756	764	765	764	763	762	765	765	763	749	735	724	728	726	729	740	746	751
5	749	817	800	778	781	781	778	783	778	783	776	787	789	789	787	781	776	770	754	746	748	754	761	778	776
6	785	798	866	809	776	761	774	778	754	761	776	778	778	781	776	763	752	739	732	730	735	739	746	750	768
7	750	776	800	759	739	722	728	732	735	754	752	754	730	595	566	776	776	776	772	761	759	757	759	757	741
8 D	768	763	750	779	805	834	643	506	371	458	263	351	627	782	760	747	729	734	743	766	768	775	753	776	677
9 D	816	798	771	858	790	789	771	768	612	357	437	676	787	744	727	737	754	756	756	739	751	754	743	743	726
10	761	758	765	784	819	760	765	606	425	357	370	748	757	742	750	716	726	758	741	733	742	755	787	751	703
11	751	751	750	750	749	750	748	753	734	750	609	647	688	758	763	742	744	757	758	751	755	755	756	744	738
12	753	761	757	751	765	767	743	598	574	736	468	512	741	747	761	765	757	750	743	764	765	771	768	764	720
13	772	925	841	797	761	749	740	748	730	752	753	740	653	702	707	749	747	718	734	747	727	745	764	780	753
14	808	845	789	748	753	718	700	699	724	657	507	735	729	762	744	744	730	729	745	737	746	754	761	757	734
15	746	750	748	751	758	748	746	751	745	750	753	744	758	762	762	761	756	744	730	723	726	737	743	752	748
16 Q	754	763	762	747	747	744	750	753	756	757	755	761	763	770	764	755	743	735	734	734	735	745	753	752	751
17 Q	745	759	765	748	752	755	754	754	755	755	754	755	762	765	766	764	759	754	746	744	740	745	745	751	754
18 Q	744	755	761	766	762	762	766	771	772	768	747	679	759	786	774	766	733	732	732	742	749	744	761	843	757
19	875	757	756	753	755	751	751	756	756	762	769	768	771	771	771	756	750	740	731	738	752	758	759	767	761
20	802	1021	917	822	794	743	732	764	678	608	626	740	762	766	747	745	743	724	720	725	738	763	832	826	764
21	813	785	831	783	758	754	766	790	708	614	552	592	589	732	737	705	745	750	755	753	751	745	767	774	731
22	773	772	780	798	774	596	416	037	513	749	743	724	627	730	756	749	743	751	717	747	739	740	744	760	686
23 D	792	776	816	800	786	785	758	759	703	704	736	661	597	562	743	694	681	712	742	743	743	798	854	844	741
24 D	779	864	811	821	810	752	714	270	677	691	520	637	621	693	743	763	736	748	753	746	736	728	741	785	714
25	769	789	774	795	763	748	754	704	725	710	538	682	687	700	766	755	749	743	744	739	729	729	746	728	732
26	736	755	764	756	746	740	729	734	723	734	731	724	725	714	728	729	725	719	714	711	717	718	731	743	731
27	737	736	737	738	739	736	744	732	729	733	741	747	743	746	739	732	736	735	732	730	730	725	704	732	735
28 D	724	767	747	773	770	770	770	700	589	675	652	620	600	732	755	756	755	713	701	709	714	739	748	746	717
29	760	755	740	752	749	740	726	708	718	739	734	739	741	745	748	741	737	726	719	712	713	720	731	737	735
30 Q	744	748	739	746	745	740	746	741	738	721	735	740	738	739	754	761	748	736	715	707	708	722	725	731	736
31																									
Mean	767	786	779	774	766	751	735	691	691	694	657	700	716	740	749	751	746	741	737	738	739	745	755	763	738

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 22 Meanook D = 25° E + ... ′ June 1943

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	21.8	24.7	25.8	25.4	26.5	25.3	25.5	28.4	28.7	28.7	29.9	27.5	30.4	32.9	34.1	35.0	34.9	32.4	31.1	28.7	25.7	18.8	17.7	20.3	27.5
2	21.2	22.4	24.5	26.4	25.9	26.5	28.1	27.5	27.5	26.5	26.6	42.6	44.1	33.5	35.1	35.3	35.7	34.5	32.3	27.7	24.1	22.1	21.5	22.3	28.9
3	23.4	24.8	25.9	26.2	25.6	25.9	32.3	29.5	31.6	29.3	27.1	28.9	30.3	32.3	32.7	35.4	36.8	35.2	30.5	25.2	21.9	20.7	20.7	20.6	28.0
4 Q	21.7	21.9	24.6	25.7	29.1	25.8	26.2	26.3	27.9	26.6	26.5	28.6	31.3	33.5	33.7	34.6	34.2	33.4	30.7	27.6	24.6	22.0	20.6	21.5	27.4
5	24.1	24.8	26.2	26.5	26.5	26.7	26.0	26.2	26.2	26.0	26.5	28.9	31.3	33.0	38.3	39.8	40.3	38.3	33.7	24.0	20.7	18.7	17.0	16.5	27.8
6	18.5	21.6	23.8	36.4	22.3	22.8	22.8	23.8	25.7	26.2	28.9	29.1	31.3	34.2	38.1	39.3	40.3	36.4	31.1	26.0	23.6	23.3	21.6	21.4	27.8
7	21.9	23.8	24.0	20.9	23.3	24.5	27.9	32.5	38.1	40.5	40.5	41.2	35.9	31.3	17.0	26.5	27.6	27.4	27.2	26.9	26.7	26.2	27.2	26.9	28.6
8 D	25.5	20.3	23.9	20.9	27.1	21.4	30.6	35.7	41.4	39.3	25.9	52.6	47.7	38.2	39.4	39.5	35.9	34.9	27.7	23.8	23.3	25.3	22.1	20.7	31.0
9 D	22.4	24.8	24.2	41.7	46.5	30.4	32.4	27.8	25.6	23.8	44.6	38.7	31.2	36.0	39.6	35.4	34.5	30.2	28.6	25.6	22.6	22.1	23.7	24.8	30.7
10	24.8	24.7	25.7	29.6	48.1	33.2	29.0	21.2	39.1	38.3	41.1	29.6	32.2	34.4	38.3	38.8	37.0	32.5	30.2	26.4	24.8	24.1	28.6	25.8	31.6
11	26.4	26.7	26.7	26.6	26.4	25.9	26.7	27.5	27.7	31.4	34.2	42.9	38.2	35.6	36.3	37.5	32.8	31.3	26.5	25.8	25.0	23.7	22.5	22.5	29.4
12	25.5	27.4	27.4	27.9	27.9	38.6	26.9	23.8	00.3	34.0	34.9	29.1	34.0	36.6	38.3	36.1	35.2	33.2	28.9	28.2	25.7	24.5	22.6	23.6	28.8
13	26.0	29.4	33.6	28.1	30.4	29.4	26.9	25.7	21.8	27.3	27.7	29.3	29.8	34.0	37.2	37.1	33.9	30.7	27.5	23.6	20.8	21.0	23.4	24.6	28.3
14	23.8	30.8	30.6	24.6	27.7	23.7	27.8	29.5	29.3	27.6	20.6	29.4	34.4	34.3	35.4	34.1	32.5	30.0	28.8	25.8	23.8	23.6	23.8	23.2	28.1
15	23.8	25.4	25.7	26.2	30.8	25.6	24.6	25.7	24.9	25.0	27.8	26.7	30.8	33.4	33.4	32.9	30.7	28.6	27.8	23.9	23.6	22.5	22.0	23.9	26.9
16 Q	25.6	27.1	27.3	27.4	27.2	27.8	26.6	27.1	27.8	30.2	28.7	28.6	30.1	32.5	34.0	35.2	36.4	34.9	32.5	28.9	28.3	27.7	25.7	23.6	29.2
17 Q	23.0	23.5	24.8	26.5	26.7	27.3	28.2	28.7	29.0	28.4	28.5	30.2	32.2	32.5	33.9	35.3	35.1	33.9	31.5	28.6	26.9	24.9	23.5	22.6	28.6
18 Q	22.7	23.7	23.8	25.2	24.9	24.2	24.3	24.3	26.6	28.2	26.5	27.2	37.7	40.0	42.5	41.6	42.6	33.1	26.9	20.9	17.3	15.9	17.5	17.9	27.3
19	20.6	23.9	24.9	27.4	26.3	26.8	26.6	26.3	28.3	29.0	27.9	29.3	32.6	34.0	36.8	37.7	38.9	35.7	31.6	26.8	22.0	20.9	21.0	22.0	28.2
20	23.1	16.8	23.9	28.2	25.8	22.7	25.4	25.2	23.4	37.8	38.4	36.0	36.3	38.7	38.6	37.2	37.1	33.6	30.5	23.8	18.5	16.2	18.1	19.0	28.1
21	18.7	19.1	22.4	26.8	23.1	22.0	23.5	34.8	29.1	21.8	23.4	31.3	45.2	39.3	40.1	43.4	40.9	37.3	31.2	28.3	25.3	21.6	21.0	21.2	28.8
22	21.9	19.9	22.2	40.2	41.0	11.7	38.0	40.1	44.2	31.8	27.5	26.2	23.9	35.2	36.3	39.7	36.2	33.6	30.9	22.8	20.7	21.0	20.5	21.0	29.4
23 D	20.9	20.6	29.8	30.5	25.2	40.3	30.9	24.0	27.2	24.8	31.1	31.7	33.6	44.5	38.4	35.6	29.1	30.5	31.6	26.8	22.8	20.4	22.5	19.8	28.9
24 D	19.1	27.0	25.6	24.1	34.0	28.6	31.4	19.8	33.9	33.3	16.9	28.6	28.7	30.9	33.5	39.5	39.0	37.0	28.5	27.3	23.9	22.0	22.2	22.9	28.2
25	24.3	24.9	26.6	34.5	26.7	23.9	28.7	22.7	30.6	31.4	24.9	26.8	25.4	22.7	21.3	24.5	25.5	24.7	30.6	26.6	25.7	21.3	25.2	22.8	25.9
26	23.9	27.3	28.1	27.7	32.3	29.9	26.9	27.9	25.3	27.6	28.4	30.9	33.6	33.5	34.3	35.7	36.9	36.5	32.4	27.2	26.3	24.1	24.1	23.3	29.3
27	23.9	24.5	25.5	26.3	26.4	29.0	37.2	35.5	31.7	30.0	28.9	29.8	32.0	35.5	37.8	39.1	39.1	36.7	32.9	28.3	26.4	22.9	20.4	18.6	29.9
28 D	19.1	18.5	21.1	21.6	34.1	26.0	24.4	46.5	32.1	33.6	32.9	35.0	39.5	40.9	34.1	35.3	37.0	34.7	32.1	27.8	21.0	22.7	24.5	26.6	30.0
29	30.1	27.2	27.2	34.1	47.5	26.8	29.3	28.2	28.3	27.3	27.4	31.1	33.4	35.7	35.6	34.9	33.4	31.1	27.7	25.8	24.6	23.2	21.8	22.9	29.8
30 Q	23.6	24.7	26.4	27.0	26.2	30.1	26.4	25.2	26.3	25.8	26.4	29.2	31.6	33.3	38.0	38.4	38.0	35.9	31.3	27.0	23.7	21.5	22.4	24.3	28.4
31																									
Mean	23.0	24.1	25.7	28.0	29.7	26.8	28.0	28.2	28.6	29.7	29.4	31.9	33.6	34.7	35.4	36.3	35.6	33.3	30.2	26.2	23.7	22.2	22.2	22.2	28.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 23 Meanook $Z = 59,000\ \gamma +$ June 1943

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	188	195	189	183	183	181	195	193	073	044	120	054	142	165	179	170	162	163	167	167	176	175	181	187	160
2	177	176	176	186	195	192	193	185	178	118	-053	-067	003	136	185	183	180	178	177	177	178	178	179	182	150
3	189	185	185	182	181	183	180	114	139	159	172	180	178	177	177	177	177	177	177	176	172	173	179	194	174
4 Q	197	195	192	195	199	183	181	149	161	177	178	177	175	173	173	173	170	165	162	166	173	177	179	178	177
5	171	177	180	177	178	178	178	177	176	175	164	176	175	183	186	186	177	169	166	155	161	166	178	188	175
6	211	253	285	239	245	221	204	213	202	194	204	204	202	202	200	199	196	194	191	186	180	181	189	192	208
7	192	260	256	204	192	183	181	178	178	176	162	159	114	-004	-027	186	189	188	188	186	188	188	191	189	171
8 D	192	200	190	189	237	205	135	157	096	322	044	-039	029	151	165	148	142	164	191	196	187	188	222	209	163
9 D	249	225	209	230	061	153	176	166	019	-220	-079	047	188	165	157	176	176	167	180	181	191	190	195	181	141
10	179	184	194	219	237	147	198	068	014	-014	-045	135	176	170	167	136	156	171	166	168	178	180	220	220	151
11	193	179	178	178	178	179	184	176	099	111	-014	015	037	126	159	143	143	179	167	169	180	193	190	179	147
12	181	184	189	190	198	187	148	016	-072	-039	-027	-039	110	145	165	182	182	177	169	181	183	188	189	180	132
13	188	220	233	235	207	140	172	189	146	136	167	165	109	118	132	169	168	170	175	176	181	190	197	202	174
14	211	283	217	186	168	097	081	069	091	025	-062	052	103	165	163	169	176	178	182	173	173	178	185	186	144
15	183	185	185	186	159	173	176	165	150	151	160	146	160	172	175	175	172	169	168	167	172	184	185	189	171
16 Q	190	193	191	189	196	186	182	175	168	152	163	171	172	173	172	165	162	159	158	158	166	172	182	188	174
17 Q	186	178	177	175	175	175	176	176	173	172	172	173	172	173	173	175	170	166	160	158	163	173	176	177	173
18 Q	168	167	167	168	166	166	166	169	166	164	128	046	088	139	140	150	143	130	133	139	143	144	158	222	149
19	289	170	169	169	169	198	174	171	142	137	165	170	172	169	167	163	163	164	159	157	155	158	161	168	169
20	170	234	235	125	203	057	128	163	119	-001	008	063	147	153	163	155	153	151	167	170	170	187	247	220	149
21	225	209	242	214	197	206	203	174	114	091	-073	-052	011	115	132	137	156	166	186	186	184	209	198	226	152
22	233	184	201	244	102	002	062	-012	111	154	139	122	100	142	183	179	163	158	167	167	169	180	194	192	147
23 D	200	200	213	180	213	166	112	191	103	059	138	093	-020	-057	078	100	093	138	155	170	197	246	245	222	143
24 D	223	171	167	190	133	091	112	027	073	085	-011	002	003	090	148	170	156	181	184	175	169	170	181	202	129
25	216	234	222	224	172	184	172	020	094	090	-068	-014	032	029	142	175	173	174	179	181	190	201	233	213	144
26	194	183	204	211	211	178	187	183	155	168	181	178	177	169	175	183	183	184	182	179	184	196	208	214	186
27	222	205	195	196	198	202	200	182	169	167	175	186	184	186	184	183	185	184	183	181	184	187	198	210	189
28 D	210	223	225	251	242	230	224	112	-048	076	093	027	-023	085	192	186	192	182	192	209	232	212	207	223	165
29	225	223	211	225	181	193	185	146	139	184	181	180	174	176	183	182	183	181	182	181	181	185	193	193	186
30 Q	191	189	192	193	195	193	189	175	169	141	167	162	154	153	164	172	172	172	172	172	173	177	181	183	175
31																									
Mean	201	202	202	198	186	167	168	142	117	112	088	096	115	138	158	168	167	170	173	174	178	184	194	197	162

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook June 1943

Day	Horizontal Intensity						Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	10	50	789	09	50	671	118	15	28	37.5	21	59	15.7	21.8	06	30	206	08	48	-5	211
2	14	25	787	10	53	492	295	11	48	52.6	21	36	20.8	31.8	05	05	201	10	52	-120	321
3	13	40	777	18	22	725	52	06	38	39.7	23	47	19.9	19.8	23	35	197	07	24	85	112
4 Q	03	12	786	08	14	719	67	14	48	36.4	22	58	19.7	16.7	04	12	211	07	41	127	84
5	01	19	840	20	07	732	108	16	20	42.4	23	07	16.3	26.1	24	00	193	10	34	155	38
6	02	55	1035	19	30	726	309	03	26	46.1	03	01	09.8	36.3	02	50	325	09	05	178	147
7	02	04	822	14	07	404	418	09	08	45.3	14	23	09.3	36.0	02	02	301	14	14	-84	385
8 D	05	17	908	10	21	-161	1069	08	56	91.8	05	17	-08.5	100.3	10	06	414	11	55	-127	541
9 D	03	28	979	08	30	199	780	10	37	82.4	09	21	05.1	77.3	00	54	285	09	15	-376	661
10	04	44	844	07	51	-105	949	10	15	100.4	07	52	-12.9	113.3	03	50	251	07	51	-292	543
11	22	24	797	10	54	438	359	11	34	48.7	08	27	19.6	29.1	22	26	207	10	46	-176	383
12	05	14	802	11	04	188	614	10	39	60.1	08	22	-45.9	106.0	05	16	230	08	00	-260	490
13	02	06	1032	12	46	561	471	05	01	57.6	08	46	13.2	44.4	02	19	267	12	43	44	223
14	01	33	907	10	23	322	585	10	21	45.3	10	43	05.9	39.4	01	21	301	10	14	-170	471
15	14	16	769	19	57	718	51	04	13	38.1	22	08	20.6	17.5	23	35	191	08	28	130	61
16 Q	14	03	772	19	48	727	45	16	45	37.3	23	59	23.2	14.1	01	46	197	09	11	146	51
17 Q	02	04	773	19	55	736	37	15	05	35.9	23	31	22.4	13.5	00	07	194	19	55	157	37
18 Q	23	35	891	11	36	608	283	16	07	49.7	21	06	13.8	35.9	23	14	261	11	38	-18	279
19	00	15	930	18	12	725	205	16	10	40.0	21	55	20.0	20.0	00	11	311	09	17	119	192
20	01	35	1175	10	40	504	671	03	21	50.0	01	06	07.2	42.8	01	11	285	10	01	-68	353
21	02	42	966	10	03	451	515	12	07	62.4	10	47	03.4	59.0	02	37	320	10	43	-174	494
22	03	12	839	07	50	-295	1134	07	46	70.5	05	24	-53.3	123.8	07	22	342	07	46	-618	960
23 D	23	00	915	13	14	470	445	05	43	55.3	21	12	13.2	42.1	02	28	278	12	59	-108	386
24 D	04	04	958	07	12	94	864	05	04	66.4	07	09	-11.9	78.3	23	59	233	10	44	-119	352
25	03	42	849	10	32	509	340	03	41	50.2	07	29	13.1	37.1	03	44	291	10	48	-115	406
26	01	42	789	13	30	697	92	04	54	44.7	01	00	23.1	21.6	23	51	219	08	40	135	84
27	13	44	761	22	53	678	83	16	20	42.5	23	56	17.3	25.2	00	24	224	09	17	158	66
28 D	04	03	844	08	58	504	340	08	14	75.1	08	54	-09.5	84.6	04	02	309	08	57	-130	439
29	04	46	776	07	25	679	97	04	11	63.9	22	25	21.5	42.4	03	30	247	07	51	115	132
30 Q	15	29	765	09	52	684	81	14	30	39.6	21	48	21.4	18.2	04	54	202	09	31	119	83
31																					
Mean			863			480	383			53.6			07.8	45.8			256			-43	299
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 25 Meanook — H = 12,000 γ + — July 1943

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 Q	740	749	742	740	740	739	740	742	741	741	740	748	754	761	758	749	733	719	715	714	717	726	729	727	738
2	732	739	746	746	749	748	755	746	739	743	748	753	760	758	755	746	736	727	722	722	722	723	745	746	742
3	734	745	769	845	841	842	761	578	464	654	734	738	732	755	754	762	774	728	716	713	712	700	709	736	729
4 D	755	753	741	741	741	765	759	742	723	695	775	765	740	766	759	725	651	676	713	688	678	719	752	774	733
5 D	741	903	910	762	760	641	638	576	212	270	456	658	728	711	640	643	724	705	731	700	738	731	744	724	669
6 D	743	720	826	811	782	658	569	646	650	418	297	516	340	601	609	654	760	765	732	709	708	746	762	776	658
7	773	752	762	740	750	785	734	731	727	647	669	630	727	756	737	697	736	755	737	730	730	707	716	763	729
8 D	810	799	763	771	766	743	752	489	607	730	545	291	645	718	695	729	737	743	730	719	723	731	747	760	698
9 D	783	777	789	798	791	740	730	349	328	267	440	472	725	777	733	730	728	699	721	720	730	756	753	764	671
10	743	752	787	792	759	750	703	692	486	234	500	528	733	634	625	704	694	733	750	774	757	757	753	744	683
11	750	764	747	748	806	735	654	079	127	599	655	740	724	597	720	741	728	731	736	737	747	765	780	797	675
12	792	753	802	786	762	766	746	752	695	667	732	741	740	750	764	733	757	746	740	747	738	737	738	766	748
13	772	801	773	802	766	782	659	719	770	732	694	740	749	770	727	704	713	729	740	739	742	774	766	754	746
14 Q	756	743	747	746	746	742	747	752	750	749	754	756	756	756	757	756	756	749	742	733	724	729	738	752	747
15	756	754	749	740	749	749	754	748	737	719	685	666	631	743	728	734	758	746	725	704	734	755	768	793	734
16	797	773	797	782	758	758	741	736	654	618	673	671	710	708	725	759	753	752	751	746	742	759	753	763	737
17	784	790	789	768	751	741	748	741	746	748	759	757	758	763	761	755	745	738	739	719	724	730	760	756	753
18	747	764	763	752	749	811	740	763	748	651	752	714	721	676	671	685	707	739	752	728	730	720	754	749	733
19	750	753	771	781	746	757	765	725	747	753	746	738	744	734	751	749	719	721	736	722	720	739	725	748	743
20	749	771	777	749	744	745	745	748	720	725	749	746	753	746	747	753	749	742	742	732	725	726	731	757	745
21	779	767	756	759	750	751	712	655	747	694	665	699	736	756	753	763	742	738	733	717	726	728	743	769	735
22	761	772	772	771	770	758	643	686	696	489	635	737	743	747	747	750	751	737	719	713	719	744	765	752	724
23	750	764	747	747	748	748	741	728	756	726	754	754	755	765	758	755	749	739	718	711	711	736	758	772	745
24 Q	757	755	752	749	751	751	748	744	748	753	755	756	756	753	757	745	737	725	715	715	724	734	741	752	745
25 Q	740	747	746	744	749	756	752	751	752	753	755	751	760	755	754	747	740	740	744	745	751	754	751	753	750
26	750	744	741	748	753	758	765	768	771	768	760	757	767	769	763	751	739	732	732	725	735	746	775	779	754
27	787	823	782	776	770	775	758	757	757	758	750	730	751	752	754	749	749	741	728	730	740	739	742	747	756
28	755	759	760	760	758	763	774	762	764	760	758	744	742	744	765	759	743	725	717	723	727	746	758	758	751
29 Q	757	761	750	748	749	751	753	755	758	758	758	761	763	763	762	746	740	742	744	757	779	779	786	792	759
30	797	808	786	784	825	843	668	762	768	477	698	779	740	711	648	604	718	696	709	713	731	773	799	799	735
31	808	801	770	763	744	747	755	756	758	698	378	555	753	744	758	751	737	728	714	713	735	746	736	761	725
Mean	763	770	771	766	762	755	726	683	666	645	670	690	724	734	730	730	736	732	730	724	730	740	751	761	729

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26 Meanook D = 25° E + ... ′ July 1943

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 Q	25.4	25.8	27.3	29.3	27.5	27.9	29.1	26.6	25.4	26.5	28.4	32.0	34.1	35.3	36.0	37.0	35.2	33.9	28.1	24.3	21.8	22.3	23.3	23.1	28.6
2	23.7	24.6	25.4	25.6	25.4	24.9	24.9	32.4	27.6	28.5	30.4	32.7	35.1	36.0	36.3	35.2	35.1	35.3	33.3	25.8	22.1	20.5	19.4	18.4	28.3
3	18.6	18.9	18.6	17.0	33.9	40.9	18.2	15.6	45.2	31.7	30.2	34.4	38.1	41.9	40.4	39.5	37.2	34.4	30.6	27.7	23.6	20.2	20.7	22.7	29.2
4 D	23.9	23.9	25.7	25.5	25.4	25.3	26.0	31.4	25.8	27.7	32.7	31.7	37.0	36.3	37.1	42.1	31.6	29.0	33.7	30.9	18.8	21.4	20.5	22.0	28.6
5 D	22.8	19.7	32.5	24.7	28.1	45.6	32.8	33.1	24.2	48.2	26.0	35.4	27.9	34.4	36.2	33.8	41.7	34.6	38.2	23.4	25.0	22.9	21.2	21.1	30.1
6 D	20.9	20.7	34.8	31.2	19.7	22.1	36.8	37.0	34.8	32.6	31.8	33.8	38.0	32.7	31.8	36.6	37.2	33.9	32.7	27.9	27.7	27.9	28.2	26.0	30.7
7	25.3	29.4	26.8	25.3	30.0	45.5	33.9	30.2	30.0	26.3	27.0	32.7	31.0	30.1	32.8	33.9	34.8	38.3	36.1	32.2	30.2	26.3	24.1	23.6	30.7
8 D	28.0	30.2	24.8	28.8	39.0	27.9	32.5	13.5	34.6	31.4	25.5	39.3	26.7	34.5	35.4	35.9	38.0	36.3	37.6	33.7	26.6	24.1	22.6	22.5	30.4
9 D	23.6	25.1	32.4	27.5	36.4	42.5	45.2	20.5	51.8	33.0	22.7	23.1	28.9	33.4	36.1	37.7	37.7	34.5	34.7	24.9	26.7	25.2	23.8	23.7	31.3
10	25.0	26.9	34.1	49.7	33.4	33.7	23.9	38.5	39.2	43.4	31.6	29.8	35.6	35.0	33.7	35.8	33.9	31.8	30.0	26.9	25.9	25.1	25.3	24.7	32.2
11	25.5	26.4	29.2	30.6	32.2	27.1	42.5	33.3	43.7	29.9	40.3	34.9	31.7	39.5	33.7	36.8	35.0	35.1	29.8	27.6	25.5	24.8	24.3	27.7	32.0
12	27.8	26.8	24.6	34.0	33.7	32.6	30.1	25.4	18.9	25.0	33.6	29.9	32.6	33.5	37.1	37.5	38.0	33.9	28.5	24.3	20.6	22.3	22.5	27.3	29.2
13	27.6	35.9	30.0	39.5	33.0	32.2	12.6	29.3	29.2	28.1	26.2	32.0	33.8	36.4	33.7	37.2	38.2	32.0	30.9	28.3	24.4	24.9	25.9	25.2	30.3
14 Q	26.7	31.0	26.4	25.6	26.7	27.3	27.5	28.1	28.7	28.7	29.4	30.1	32.3	34.3	35.8	35.8	35.0	30.7	28.9	24.5	22.5	21.8	22.5	25.4	28.6
15	27.2	29.4	30.0	31.3	29.3	29.1	28.3	32.3	30.3	35.5	34.4	41.3	33.1	38.3	35.2	34.0	36.0	32.9	32.2	29.7	22.6	19.9	19.0	20.2	30.5
16	21.4	25.0	31.4	37.3	28.1	29.6	27.5	32.3	29.4	33.1	38.2	34.8	37.2	40.1	39.1	40.7	40.7	37.1	29.5	24.1	23.7	21.8	21.6	24.6	31.2
17	26.7	26.4	28.6	29.4	30.0	28.4	29.1	27.1	25.0	26.2	29.0	30.0	33.6	35.2	38.8	39.9	38.5	35.4	32.2	22.8	17.0	14.8	17.9	17.3	28.3
18	20.5	23.3	24.8	24.6	26.7	36.8	37.0	26.2	25.4	24.6	30.7	34.7	38.4	43.7	37.6	40.1	33.9	35.5	36.8	25.9	22.7	21.6	21.4	23.1	29.8
19	25.1	27.0	34.2	44.5	28.2	27.5	41.3	38.7	30.5	28.3	29.0	29.7	33.9	38.7	40.9	41.3	39.0	33.1	32.7	26.4	24.5	22.5	21.4	21.9	31.7
20	24.2	25.6	37.6	25.8	27.1	27.1	31.6	29.5	27.1	30.6	28.5	29.9	31.5	35.3	39.2	38.6	38.6	36.6	33.1	30.5	28.0	25.4	23.9	22.6	30.3
21	25.3	29.4	25.9	26.4	31.6	37.7	31.1	35.0	33.6	26.8	25.3	33.6	35.5	38.8	39.9	42.9	44.1	35.8	31.8	26.8	26.0	24.3	26.0	25.1	31.6
22	24.8	22.7	33.0	44.8	29.0	26.2	20.4	38.5	27.3	45.0	36.4	31.2	34.7	33.8	35.3	36.8	34.7	33.4	27.9	26.2	24.7	24.3	25.0	21.9	30.8
23	22.4	24.6	27.0	27.2	27.1	26.6	26.4	27.1	27.7	20.5	23.3	27.5	29.2	33.9	37.3	40.4	40.1	36.7	32.5	26.7	20.1	18.7	21.2	23.2	27.8
24 Q	24.3	24.4	25.6	30.9	36.3	28.4	26.0	23.4	25.6	26.5	28.1	30.6	33.2	35.4	36.1	36.0	35.4	33.2	30.3	27.5	25.8	25.1	25.8	27.0	29.2
25 Q	26.9	27.1	28.7	27.3	32.7	29.2	26.3	27.1	27.9	28.4	30.3	30.4	33.0	34.0	35.5	37.7	37.8	32.4	27.5	24.3	22.4	22.1	21.7	22.4	28.9
26	23.7	23.8	24.6	24.8	26.6	27.2	25.8	27.9	27.4	27.6	28.1	30.0	33.9	36.4	35.7	36.6	35.8	34.6	33.2	23.7	21.0	21.7	23.5	24.4	28.2
27	26.0	31.8	29.8	24.0	29.3	27.1	29.7	27.7	26.8	27.5	27.7	29.9	29.5	30.9	32.8	34.3	36.9	35.1	30.2	25.9	24.7	23.3	23.7	24.8	28.7
28	25.7	26.4	26.6	26.6	27.7	30.8	30.7	28.2	26.0	29.2	29.7	36.0	36.1	35.9	37.1	38.3	36.3	33.0	29.4	26.5	25.0	24.4	25.4	26.0	29.9
29 Q	26.3	25.5	27.8	27.9	25.5	25.6	25.9	27.2	28.4	29.1	30.5	32.6	33.9	36.1	37.5	39.1	38.6	32.4	28.8	24.4	23.2	23.2	23.4	23.7	29.0
30	26.4	25.9	26.4	26.6	27.3	26.1	11.8	26.6	29.7	23.9	45.7	43.1	43.3	50.3	40.9	42.3	39.4	34.1	28.8	26.6	19.6	20.1	22.2	24.4	30.5
31	24.4	38.2	28.4	29.9	30.8	28.4	36.0	31.7	29.0	28.2	30.3	30.9	38.3	39.2	40.4	40.1	37.1	33.0	30.3	24.5	24.8	25.1	24.6	25.2	30.8
Mean	24.7	26.2	28.5	29.8	29.6	30.6	29.1	29.1	30.2	30.1	30.4	32.5	33.9	36.4	36.6	37.9	37.2	34.1	31.6	26.6	23.8	22.8	23.0	23.6	29.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook Z = 59,000 γ + July 1943

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 Q	186	194	198	208	208	207	152	171	174	178	183	187	187	186	185	185	183	181	178	175	174	174	179	181	184
2	181	184	187	182	181	185	198	170	173	174	176	175	178	176	173	176	172	170	170	165	165	170	173	180	176
3	186	174	180	254	208	193	148	227	246	168	169	179	181	179	178	179	149	170	180	182	182	182	186	200	187
4 D	222	233	222	217	221	235	136	203	129	134	175	173	171	198	199	183	113	086	146	173	189	226	214	226	184
5 D	215	284	266	242	235	061	-021	094	-079	103	187	129	135	146	118	123	170	185	200	206	203	204	224	221	160
6 D	204	253	287	241	200	-067	001	150	150	-063	-185	-100	-069	004	025	113	181	186	171	172	192	222	236	234	114
7	224	225	210	204	223	215	172	180	167	051	046	058	102	187	185	147	172	173	155	164	177	185	195	210	168
8 D	243	234	194	202	164	172	183	-018	-071	123	-004	-062	-031	049	090	119	142	149	150	167	181	186	181	176	122
9 D	183	243	226	216	175	095	062	-285	-255	106	065	036	103	133	145	147	137	140	157	156	140	148	156	170	108
10	172	172	203	185	184	159	008	001	-018	-034	-058	-113	059	054	054	145	131	138	158	171	165	168	167	169	102
11	170	180	183	187	170	030	-011	076	-064	010	069	126	135	089	159	157	156	158	168	161	165	177	195	238	128
12	230	204	207	225	187	136	140	171	067	-078	078	133	137	118	111	110	105	103	103	105	105	102	102	115	126
13	120	256	211	189	160	188	-021	069	151	092	042	116	142	161	150	095	086	115	148	163	171	175	173	174	139
14 Q	187	196	176	165	163	162	163	162	163	163	168	163	162	161	163	163	165	166	170	170	169	169	166	163	167
15	164	176	178	181	179	176	174	152	095	046	044	062	016	098	106	097	125	136	142	154	168	181	196	216	136
16	227	225	241	211	226	213	182	150	056	-044	021	050	053	050	068	129	148	164	173	174	182	187	194	186	144
17	204	228	255	232	211	187	174	160	161	161	166	168	166	168	166	165	161	156	151	152	159	158	177	196	178
18	199	194	197	206	202	205	157	173	174	064	138	101	107	080	075	123	125	135	158	158	154	168	181	183	152
19	179	185	203	196	185	200	159	052	151	170	169	170	170	161	166	163	152	154	160	161	174	195	194	196	169
20	188	192	196	185	186	196	181	183	134	118	144	156	161	161	162	166	178	179	174	162	163	173	175	185	171
21	204	223	183	186	191	194	152	-060	020	034	009	049	106	150	152	158	157	156	156	157	166	166	176	176	136
22	174	179	194	182	166	154	-030	062	056	-128	-098	064	120	144	157	149	150	149	150	151	160	183	205	172	119
23	162	160	168	171	168	155	122	123	128	090	124	156	165	166	157	152	152	152	149	148	149	150	160	160	149
24 Q	168	169	170	181	164	154	151	122	133	148	158	158	158	157	156	154	151	146	139	139	139	141	139	147	152
25 Q	148	152	155	152	149	138	149	156	155	155	154	152	152	150	152	152	152	150	149	139	138	138	139	144	149
26	149	155	155	156	161	163	157	151	129	142	132	136	151	152	152	152	151	156	159	161	161	171	183	181	155
27	194	250	217	223	225	211	184	174	171	165	151	120	093	135	137	130	136	142	142	145	152	160	162	161	166
28	157	151	151	159	165	181	183	162	170	159	150	136	135	132	147	150	151	152	157	159	162	164	171	171	157
29 Q	164	166	183	182	166	161	160	160	160	160	160	160	160	160	160	157	156	153	153	153	164	162	162	161	162
30	159	167	164	159	174	175	081	143	158	-034	065	166	137	097	050	010	100	129	146	161	170	161	175	182	129
31	202	188	190	177	147	138	126	156	161	112	055	028	109	109	124	128	128	135	141	146	154	167	163	176	140
Mean	186	200	198	195	185	160	122	116	102	085	092	104	121	132	136	141	146	150	157	160	164	171	177	182	150

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook July 1943

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	06	11	788	19	00	709	79	06	16	39.7	20	27	21.5	18.2	03	22	216	06	44	108	108
2	07	06	797	21	27	715	82	07	26	42.1	23	32	17.1	25.0	07	06	213	07	17	155	58
3	04	01	1013	07	20	283	730	08	01	81.8	07	14	-01.2	83.0	07	07	333	07	46	93	240
4 D	23	31	860	16	44	591	269	06	06	50.7	08	46	12.3	38.4	12	04	280	08	54	28	252
5 D	01	54	1114	08	53	-235	1349	09	06	80.3	08	57	02.7	77.6	10	00	399	08	45	-264	663
6 D	04	57	1021	09	57	58	963	05	03	71.2	07	15	-66.0	137.2	02	32	353	09	58	-493	846
7	05	13	882	11	00	526	356	05	30	54.7	09	26	20.3	34.4	05	15	277	09	55	-65	342
8 D	00	58	868	07	46	18	850	04	01	65.6	07	39	-49.0	114.6	00	30	258	08	19	-140	398
9 D	04	14	893	09	36	24	869	08	00	77.6	07	30	-11.5	89.1	09	16	266	08	40	-328	594
10	03	19	1008	09	41	-184	1192	09	32	78.6	11	01	04.2	74.4	02	57	225	11	18	-175	400
11	04	40	1020	07	54	-311	1331	08	39	92.3	08	24	-38.1	130.4	07	36	497	08	19	-344	841
12	03	58	875	08	54	538	337	05	00	69.7	09	00	-04.0	73.7	03	00	256	09	05	-232	488
13	03	34	891	07	58	569	322	03	41	62.0	06	52	00.3	61.7	01	22	290	06	47	-94	384
14 Q	00	36	791	19	03	707	84	15	40	37.5	22	06	21.3	16.2	01	05	204	12	50	160	44
15	23	45	807	12	38	695	112	12	49	46.6	22	40	16.8	29.8	23	46	228	12	42	-53	281
16	02	43	851	09	03	560	291	03	02	53.6	20	57	18.8	34.8	02	41	282	09	12	-92	374
17	02	08	820	19	49	694	126	16	06	41.9	21	57	13.6	28.3	02	07	277	18	08	146	131
18	05	50	914	09	17	521	393	05	56	71.9	09	06	04.6	67.3	05	35	250	09	15	-13	263
19	03	02	841	07	05	669	172	07	43	68.6	22	06	18.8	49.8	03	00	252	07	08	-20	272
20	02	07	802	09	05	638	164	02	01	45.8	23	43	21.7	24.1	02	04	227	08	54	42	185
21	00	40	805	06	49	556	249	15	42	47.4	10	00	18.0	29.4	01	15	241	07	14	-120	361
22	01	30	793	09	49	134	659	09	26	55.2	06	39	04.3	50.9	22	11	220	10	10	-162	382
23	23	51	796	07	06	693	103	06	07	45.0	06	47	14.9	30.1	03	00	178	09	38	75	103
24 Q	00	58	778	19	00	706	72	04	33	44.8	07	16	20.5	24.3	03	26	191	08	08	105	86
25 Q	05	07	770	06	15	733	37	04	23	37.9	22	55	20.7	17.2	08	10	156	05	38	131	25
26	23	33	800	19	14	711	89	18	33	41.1	19	47	20.0	21.1	22	48	192	10	00	112	80
27	01	35	884	11	55	707	177	01	44	48.9	03	47	19.3	29.6	01	41	304	11	56	48	256
28	06	36	791	18	42	704	87	14	57	39.0	21	21	23.4	15.6	05	43	195	11	54	118	77
29 Q	23	50	792	15	20	735	57	16	03	39.7	20	17	22.5	17.2	02	35	196	15	30	152	44
30	05	35	889	09	38	166	723	13	24	60.5	06	49	-24.9	85.4	07	39	207	09	42	-150	357
31	00	20	810	10	40	148	662	09	27	51.4	10	49	16.3	35.1	02	46	208	10	37	-63	271
Mean			863			444	419			56.2			05.8	50.4			254			-43	297
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Meanook $H = 12,000\ \gamma +$ August 1943

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	768	768	752	741	749	786	737	679	650	740	719	528	532	763	754	757	733	697	728	736	730	725	746	740	719
2	754	753	757	754	792	743	647	640	760	760	746	662	752	709	648	733	694	720	721	733	740	752	750	773	729
3	831	822	810	801	827	759	570	532	523	386	740	769	724	534	746	747	739	733	701	692	716	756	763	748	707
4	752	764	754	824	752	751	730	561	557	512	500	630	534	594	598	708	737	717	707	746	756	770	777	749	687
5	778	800	816	768	761	760	538	524	625	636	764	757	678	653	678	704	723	739	725	725	725	753	766	770	715
6	771	778	762	746	746	725	714	671	535	622	682	688	660	724	759	741	732	735	684	685	706	744	745	745	712
7	770	743	747	749	755	749	728	677	569	-267	415	456	605	695	787	727	762	754	745	741	738	742	746	748	662
8 D	755	752	772	807	845	819	701	731	760	537	272	036	239	333	294	177	491	553	628	663	749	823	777	1028	606
9	1233	1198	927	756	683	700	846	696	547	662	699	701	651	640	599	679	701	714	724	734	730	731	747	767	753
10 Q	775	763	802	776	766	707	716	718	718	714	714	718	718	718	732	738	732	723	722	725	725	730	737	731	734
11 Q	735	738	726	730	740	738	743	725	724	703	723	731	740	738	739	725	714	713	711	710	717	721	721	738	727
12	740	738	730	726	691	749	760	762	751	730	731	736	742	745	739	725	716	717	724	734	746	746	751	772	738
13 D	724	759	745	766	842	702	779	726	300	381	465	256	230	409	700	725	675	712	672	720	747	796	783	808	643
14	844	745	759	749	753	759	664	721	712	630	592	558	552	716	684	700	709	718	701	711	740	761	803	794	711
15	753	753	742	748	753	725	739	672	697	732	719	723	737	717	706	709	728	700	676	685	723	730	762	738	724
16	748	763	766	751	783	715	668	675	751	726	400	615	639	732	732	740	707	686	704	692	707	721	755	760	706
17	766	892	769	750	769	682	169	366	487	674	646	689	748	742	731	707	709	712	715	702	690	722	744	757	681
18	768	751	747	756	762	771	753	513	407	249	224	420	466	718	739	722	706	716	731	728	732	732	740	739	650
19	735	737	735	732	733	735	637	447	372	349	211	080	211	480	568	700	716	709	700	700	736	734	764	838	598
20 D	967	865	863	812	770	763	455	702	679	559	168	382	614	670	643	729	753	716	710	722	721	749	775	777	690
21	878	860	843	764	671	590	723	745	705	623	728	729	688	625	719	736	731	723	722	724	721	719	724	745	726
22 Q	747	737	731	736	734	736	738	738	731	724	721	724	714	721	738	728	731	721	716	716	719	715	714	732	728
23 Q	740	737	746	755	739	743	738	735	731	736	738	738	728	745	712	734	735	722	716	715	719	714	740	745	733
24	770	767	859	736	759	648	647	839	741	723	746	741	739	732	740	708	692	700	718	717	718	707	704	722	732
25	739	755	785	818	770	745	673	726	662	636	721	740	732	721	708	633	702	709	706	707	725	732	749	754	723
26	725	737	743	776	749	704	189	365	207	706	749	691	746	739	743	728	715	700	704	703	714	725	736	733	668
27 Q	734	739	735	742	739	734	734	725	732	733	733	733	738	736	731	732	721	708	697	697	709	725	733	738	728
28	734	725	730	747	786	765	754	754	754	727	482	437	464	162	428	704	717	672	694	687	715	800	917	859	676
29	771	858	786	766	757	725	717	592	622	699	534	384	343	398	575	663	733	719	713	680	721	725	731	747	665
30 D	750	856	849	833	894	873	803	747	366	292	-050	-252	020	414	372	398	679	677	686	684	716	831	834	997	594
31 D	1026	1096	1061	727	464	722	022	282	164	-120	-308	-642	-149	230	361	033	582	738	711	732	801	792	741	826	454
Mean	793	798	785	763	753	736	646	645	598	565	546	521	566	621	658	667	707	709	707	711	728	746	757	778	688

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30 Meanook $D = 25° E + \ldots '$ August 1943

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	27.5	33.4	28.5	28.6	27.2	33.5	26.1	32.4	43.2	37.1	32.7	34.4	37.0	45.2	46.2	42.6	39.9	27.3	21.4	16.3	18.5	20.3	27.0	29.8	31.5
2	30.7	33.4	43.2	33.0	30.3	27.5	22.9	24.0	33.2	28.7	28.8	24.5	36.4	40.4	37.4	35.6	30.9	33.3	26.2	26.1	23.6	26.3	25.0	27.9	30.4
3	25.6	33.6	26.0	37.5	40.5	34.0	27.4	22.1	40.6	34.7	33.2	33.2	36.8	42.1	43.3	42.4	41.4	39.5	34.2	28.0	18.5	21.1	25.5	25.4	32.8
4	29.4	31.9	32.4	32.1	38.5	31.5	33.2	33.0	30.2	28.4	21.5	29.2	24.7	33.2	34.1	38.7	38.6	48.1	35.2	27.0	24.8	22.5	26.4	26.3	31.3
5	26.9	40.3	39.4	33.8	37.8	43.0	20.9	27.6	34.5	27.6	29.8	30.4	31.1	37.4	36.2	38.6	40.8	36.6	30.0	28.5	25.7	25.8	29.4	29.6	32.6
6	31.1	36.9	32.3	34.5	33.4	30.3	30.5	34.7	19.3	29.7	40.6	38.2	30.0	37.1	38.0	39.2	38.9	39.0	36.6	27.5	21.7	24.5	24.9	27.3	32.3
7	27.3	28.9	30.2	29.8	28.8	27.7	35.6	26.2	35.1	12.4	59.5	44.7	53.5	48.0	44.9	41.2	39.2	33.5	31.3	28.8	27.9	28.1	28.1	28.9	34.2
8 D	28.9	27.7	27.4	27.3	51.7	26.0	26.2	26.7	32.4	36.4	48.1	83.9	27.8	33.0	19.6	-06.0	23.6	24.3	39.2	23.1	31.1	25.5	21.8	41.6	31.1
9	48.3	10.6	30.4	24.3	18.4	35.0	23.6	27.8	27.4	29.4	27.0	28.9	29.0	30.3	35.1	37.6	38.7	34.4	32.9	30.2	29.9	29.9	31.5	37.0	30.3
10 Q	34.7	32.9	40.7	34.8	29.6	30.0	26.7	30.7	28.5	26.7	27.8	29.7	32.5	39.3	41.9	40.1	38.0	34.3	31.0	28.0	28.0	28.1	27.5	28.0	32.1
11 Q	31.1	28.8	29.1	30.9	32.2	26.5	29.5	23.1	31.2	26.1	27.3	32.2	34.1	35.8	37.0	35.5	33.6	31.9	30.7	27.1	25.9	23.3	24.1	26.7	29.7
12	27.0	27.0	27.4	23.4	24.1	24.0	26.9	29.8	26.0	25.7	28.0	30.5	35.7	37.8	37.4	38.5	36.0	30.0	24.7	22.8	23.2	23.1	21.1	23.1	28.0
13 D	25.9	25.6	22.0	21.8	17.5	38.7	22.6	18.5	20.6	12.3	32.5	57.0	42.9	24.0	40.0	40.6	37.7	32.7	26.5	24.9	25.8	23.7	23.0	20.2	28.2
14	27.2	23.1	23.0	24.2	25.3	24.5	14.3	27.6	30.0	22.5	30.6	40.6	28.7	39.3	37.7	41.4	43.2	41.3	32.7	28.1	25.8	24.6	27.1	30.0	29.7
15	25.9	27.7	35.8	30.2	26.6	32.8	32.2	21.8	24.3	27.6	23.7	27.5	33.2	34.9	39.1	38.7	41.2	39.2	27.9	24.9	23.4	24.0	24.1	24.2	29.6
16	26.5	25.9	40.5	45.8	32.8	29.0	35.6	15.5	27.6	27.5	03.4	16.2	41.7	37.7	40.8	45.2	44.2	35.7	29.7	23.6	22.9	23.2	25.0	25.5	30.1
17	26.1	40.1	35.2	25.7	45.6	34.7	21.6	39.6	34.7	16.9	23.4	23.6	32.3	40.5	40.8	43.4	40.6	35.4	32.0	27.2	18.5	19.8	21.3	27.4	31.1
18	24.7	30.4	26.6	36.5	38.0	38.2	31.7	08.0	-02.9	37.5	22.7	46.3	59.5	42.5	46.5	48.8	43.7	34.3	29.8	27.0	24.4	26.6	27.1	28.5	32.4
19	29.5	29.7	29.0	29.6	30.7	36.3	20.9	41.5	45.4	18.9	41.9	14.0	59.7	50.7	26.9	32.9	33.4	30.7	27.3	20.1	25.8	25.0	26.1	23.5	31.2
20 D	26.9	34.8	24.8	45.2	40.7	26.3	29.5	22.2	35.1	34.7	09.2	29.8	47.2	45.3	40.3	35.6	36.0	33.9	27.6	29.4	25.9	26.6	27.3	23.9	31.6
21	34.0	29.6	24.0	33.2	24.6	31.6	34.6	28.7	25.5	19.6	29.3	31.4	33.1	33.9	37.8	36.7	36.7	34.6	30.2	28.1	27.1	26.1	25.1	25.1	30.0
22 Q	29.3	27.4	27.7	28.4	30.8	27.0	33.6	33.6	30.5	28.9	28.2	29.8	30.8	31.2	33.9	35.7	35.2	33.7	31.3	28.0	27.1	25.9	24.4	24.4	29.9
23 Q	24.5	24.5	21.4	21.4	26.9	26.5	26.2	27.1	27.6	29.4	29.9	31.1	32.5	36.1	36.5	37.7	36.2	34.6	32.4	28.5	26.9	24.1	22.4	19.0	28.5
24	21.5	15.7	22.7	25.0	21.9	61.7	37.5	30.6	28.9	28.1	28.0	30.9	32.9	33.7	36.7	37.6	36.7	32.3	29.2	26.8	26.4	25.3	24.6	24.5	30.0
25	25.2	22.4	27.7	49.7	32.1	28.8	16.4	33.7	24.9	20.2	27.3	30.2	31.3	33.3	34.8	30.2	32.9	33.0	29.0	22.1	22.4	20.7	20.1	19.3	27.8
26	21.1	25.3	27.9	38.6	34.1	29.1	11.3	17.2	30.2	29.7	28.0	27.4	30.6	36.1	40.9	40.8	38.0	31.7	26.0	21.0	20.5	22.0	24.6	27.8	28.3
27 Q	29.0	28.0	27.0	38.7	30.3	27.6	25.1	24.1	26.5	27.8	28.7	29.9	32.1	34.1	34.0	34.6	33.7	30.6	28.9	25.5	24.5	24.8	25.6	27.4	29.1
28	28.1	27.2	25.9	21.4	29.0	28.9	24.4	22.4	22.5	27.2	27.7	46.8	42.8	50.7	73.1	43.3	29.3	22.8	23.2	20.8	23.2	24.7	32.1	23.5	30.9
29	25.1	26.5	38.4	36.3	38.2	25.5	28.1	16.2	11.1	32.1	27.5	32.3	60.4	65.6	43.3	36.3	28.0	24.5	27.1	25.9	24.4	24.0	25.3	27.6	31.2
30 D	27.4	25.3	53.2	50.9	30.3	29.0	24.3	25.7	09.8	14.8	56.1	59.5	53.4	33.3	17.4	-01.4	32.7	31.4	25.2	25.5	34.5	38.0	29.2	37.8	31.8
31 D	38.4	35.4	53.2	-02.0	22.8	37.9	22.2	12.0	38.3	-10.4	-30.4	-47.8	-26.1	34.1	22.2	30.2	41.6	31.7	28.4	29.1	39.1	28.3	27.3	31.0	16.1
Mean	28.5	28.7	31.4	32.4	31.6	31.5	26.6	26.4	27.8	26.6	30.1	34.8	37.8	38.8	38.4	36.1	36.6	33.5	29.6	25.7	24.9	24.9	25.6	27.0	30.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Meanook $Z = 59,000\ \gamma +$ August 1943

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	178	180	138	140	144	123	028	092	027	052	091	017	-036	104	115	116	126	128	144	145	146	145	149	147	110
2	148	180	181	163	194	093	-090	020	123	166	144	064	133	103	061	063	104	128	145	160	169	170	174	212	125
3	231	212	236	119	168	133	-019	-063	-032	107	089	136	137	-026	114	121	123	142	145	157	160	173	187	174	122
4	193	188	171	218	101	164	157	-086	-067	-137	-117	007	-004	014	018	080	131	156	180	172	176	189	190	166	094
5	189	223	232	199	115	135	-067	-061	007	-023	142	163	100	066	061	081	105	136	145	155	171	185	194	190	118
6	188	197	188	180	157	160	131	039	-182	009	011	060	035	090	157	147	135	161	158	182	181	180	169	162	121
7	174	156	159	160	169	170	061	032	031	-196	-029	054	039	091	158	104	145	157	159	162	163	164	167	162	109
8 D	159	155	174	200	201	198	026	059	143	-035	-374	-225	018	-180	-193	-158	037	080	148	223	225	277	224	296	070
9	169	119	096	-086	005	138	169	168	137	121	158	183	150	117	074	123	155	168	176	175	176	180	190	213	136
10 Q	221	212	178	196	203	090	095	127	136	115	145	147	146	149	149	148	155	156	156	159	160	162	170	171	156
11 Q	177	181	178	172	158	159	123	100	109	093	117	146	158	157	158	157	157	158	158	158	162	166	164	166	151
12	169	178	189	181	167	182	187	169	177	159	145	143	161	158	151	147	144	143	144	144	146	167	171	164	162
13 D	182	176	177	178	175	064	021	143	025	-105	052	107	061	-023	100	128	134	157	158	182	232	264	256	234	128
14	248	178	197	194	192	145	003	032	052	-028	-044	061	085	124	126	156	155	169	158	168	188	198	236	235	134
15	193	201	202	212	210	147	142	092	074	147	145	142	162	160	148	170	177	164	167	188	204	210	198	160	167
16	180	190	246	218	224	146	007	-061	087	137	-077	-090	-003	141	147	156	151	155	172	171	176	181	200	193	127
17	207	260	194	204	182	-020	-036	003	082	085	107	110	148	160	157	150	158	159	158	164	167	178	197	197	140
18	187	201	194	182	116	113	144	-034	-208	269	452	023	160	159	154	134	144	182	169	175	176	176	171	171	150
19	169	169	168	169	168	180	085	-159	-128	-223	-234	072	-029	-139	068	108	107	123	154	166	188	201	200	232	076
20 D	245	255	263	192	176	157	009	098	063	165	293	086	035	120	129	176	177	167	170	183	176	190	213	211	164
21	256	253	273	167	143	028	114	179	127	053	134	164	145	090	149	167	167	165	164	165	168	169	174	183	158
22 Q	189	171	170	170	169	168	163	149	149	148	144	155	157	156	167	164	164	160	157	154	155	158	160	167	161
23 Q	176	182	195	231	198	187	185	170	162	160	160	163	160	159	142	142	149	146	144	146	150	150	160	178	166
24	222	232	290	201	202	-008	056	195	170	159	171	163	165	165	163	161	148	157	156	150	156	167	168	170	166
25	175	191	244	228	225	135	-001	101	098	083	143	162	161	148	145	093	138	155	165	162	171	185	203	218	155
26	211	183	198	235	187	151	062	-035	123	093	149	136	179	173	174	165	165	160	159	157	159	161	164	165	153
27 Q	167	172	172	171	170	168	146	135	148	156	157	159	160	159	158	157	157	158	159	160	161	165	168	173	161
28	176	170	169	184	222	198	175	175	176	153	147	017	009	-105	-048	041	113	136	165	175	187	241	287	272	143
29	225	248	236	176	214	099	142	-007	-047	082	060	021	-085	-112	-008	072	158	149	160	178	207	189	179	183	113
30 D	182	198	266	024	036	195	162	161	-159	-147	-088	-268	-229	-190	-270	-146	049	130	147	163	218	285	293	322	056
31 D	245	204	056	-094	-345	041	-283	123	390	183	139	-070	030	081	023	-030	036	198	188	200	267	237	214	227	094
Mean	195	194	194	164	150	130	068	066	064	065	082	071	081	073	092	106	134	152	159	168	179	189	193	197	132

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook — August 1943

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	06	00	874	12	15	242	632	08	54	58.8	06	24	02.9	55.9	01	17	201	12	16	-136	337
2	06	36	910	07	01	316	594	06	32	76.1	06	58	-86.1	162.2	23	46	234	06	58	-469	703
3	03	04	1103	09	35	157	946	03	16	67.9	06	30	-04.9	72.8	03	13	320	06	24	-243	563
4	04	04	944	09	55	275	669	04	07	66.9	08	54	02.8	64.1	03	54	255	09	56	-303	558
5	02	25	918	07	10	170	748	04	03	81.8	07	10	-01.1	82.9	02	16	307	07	05	-344	651
6	01	54	806	08	11	419	387	03	54	54.3	09	16	06.3	48.0	03	54	213	08	18	-323	536
7	06	29	886	09	30	-467	1353	11	22	79.4	09	21	-57.5	136.9	11	32	199	09	19	-420	619
8 D	23	59	1306	12	05	-460	1766	11	56	223.4	15	30	-87.7	311.1	11	52	428	11	26	-467	895
9	00	04	1395	03	39	306	1089	03	31	101.7	04	04	-43.1	144.8	08	06	244	03	42	-528	772
10 Q	02	00	894	05	33	628	266	02	01	69.6	06	41	20.7	48.9	02	02	311	03	35	19	292
11 Q	06	47	770	09	22	676	94	04	02	39.2	07	20	15.4	23.8	01	40	188	07	17	50	138
12	23	17	830	21	37	699	131	15	38	41.3	06	20	18.7	22.6	21	45	217	17	00	140	77
13 D	21	57	985	09	01	-153	1138	11	34	86.9	09	30	-18.5	105.4	08	16	331	09	16	-242	573
14	23	11	880	12	02	368	512	15	52	48.7	06	32	-06.5	55.2	22	51	298	10	18	-123	421
15	22	37	830	07	55	591	239	17	00	44.5	07	31	07.2	37.3	21	40	226	07	34	-6	232
16	06	14	880	10	25	186	694	06	25	79.8	10	49	-30.3	110.1	02	22	309	07	00	-292	601
17	01	49	1148	06	25	-154	1302	01	53	71.5	06	20	-52.6	124.1	01	36	370	06	21	-279	649
18	05	29	811	09	19	-124	935	12	01	84.4	08	00	-40.8	125.2	09	54	751	08	04	-430	1181
19	23	56	1005	11	24	-200	1205	13	53	95.2	11	32	-43.1	138.3	11	33	503	09	06	-486	989
20 D	00	33	1137	10	39	-200	1337	06	33	65.5	10	34	-32.3	97.8	10	45	398	06	42	-111	509
21	03	14	1032	04	57	210	822	04	41	59.8	05	04	-54.0	113.8	02	40	291	04	45	-227	518
22 Q	06	42	748	12	46	696	52	06	40	41.5	22	19	24.1	17.4	00	15	202	10	12	136	66
23 Q	23	59	776	20	54	691	85	16	40	41.3	23	33	14.3	27.0	03	38	249	14	58	133	116
24	02	35	1042	06	17	365	677	05	31	82.2	02	34	10.6	71.6	02	38	367	05	49	-248	615
25	03	02	871	08	47	560	311	03	34	67.8	06	51	-08.3	76.1	02	52	278	06	29	-76	354
26	03	42	809	06	41	-65	874	08	37	102.1	08	09	-37.4	139.5	03	32	285	06	59	-327	612
27 Q	03	41	765	18	53	687	78	03	28	48.5	06	28	22.6	25.9	03	15	189	07	50	128	61
28	23	55	1004	13	46	-158	1162	13	08	135.4	10	46	-03.1	138.5	23	55	404	13	30	-371	775
29	01	42	970	13	18	-29	999	13	27	89.2	12	45	19.5	69.7	01	37	323	13	16	-316	639
30 D	23	57	1307	11	56	-624	1931	11	16	158.3	14	56	-40.9	199.2	23	52	406	11	58	-453	859
31 D	01	42	1135	11	17	-1079	2214	14	56	115.3	11	51	-155.1	270.4	12	36	918	04	48	-595	1513
Mean			960			146	814			79.9			-20.6	100.5			330			-232	562
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 33 Meanook $H = 12,000\ \gamma +$ September 1943

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	839	800	821	748	746	694	612	623	250	415	252	219	276	575	696	736	668	648	725	752	743	732	747	749	628
2	750	760	788	774	755	741	633	660	320	682	377	308	509	516	398	718	701	712	703	693	740	734	743	775	645
3 D	768	849	773	818	719	588	372	401	353	158	359	037	363	277	325	708	749	740	742	730	729	786	811	730	578
4	765	738	739	744	800	777	731	680	661	568	572	616	751	713	696	718	700	699	701	731	723	719	736	740	709
5	726	747	793	753	773	614	534	669	590	608	622	438	739	750	728	715	696	716	699	697	716	726	739	775	690
6	738	742	737	749	763	686	732	512	707	682	685	646	721	740	739	732	723	710	706	721	728	733	736	740	713
7 Q	744	733	726	730	740	733	740	727	729	726	733	733	740	740	743	739	729	712	703	701	718	718	735	734	729
8	738	735	732	735	739	753	751	765	780	751	745	735	739	746	738	739	721	658	640	732	722	750	776	771	737
9	977	800	751	758	823	842	769	788	558	494	520	716	732	732	690	709	715	702	686	691	724	777	810	806	732
10	867	853	819	787	745	702	725	723	585	291	273	517	683	760	707	680	695	709	717	718	717	738	753	769	689
11	772	754	730	787	754	743	734	705	568	694	729	733	717	651	695	701	701	710	715	722	740	721	727	761	719
12	785	764	751	729	732	729	729	738	731	465	472	623	715	735	736	725	705	687	678	708	726	740	740	751	704
13	749	737	851	778	736	766	730	737	730	717	552	494	601	668	713	695	696	702	694	733	734	738	747	772	711
14	736	738	747	743	753	744	746	743	723	627	607	630	645	692	729	735	723	707	713	700	702	719	747	752	712
15	754	744	751	771	763	757	659	722	720	733	733	703	733	717	721	724	715	705	717	712	735	743	744	740	730
16 Q	730	738	736	736	734	736	739	735	743	741	717	708	731	736	732	715	687	705	718	714	721	736	734	738	728
17	754	736	740	788	729	756	742	743	733	744	740	731	733	728	724	722	722	716	720	718	721	733	729	736	734
18 Q	736	742	737	732	734	746	743	740	736	728	729	744	740	736	732	728	718	708	708	711	725	740	731	726	731
19	736	743	735	735	742	764	746	739	735	723	623	702	737	738	739	731	726	721	718	719	724	732	732	732	728
20 Q	737	736	739	745	742	746	739	739	739	739	743	744	742	740	732	741	739	731	728	727	730	738	742	738	738
21	736	739	749	746	752	767	757	776	762	720	459	424	695	755	736	740	728	720	718	695	725	755	754	760	715
22	756	756	772	770	750	757	693	521	719	731	713	702	719	677	645	673	725	713	721	723	724	740	746	745	716
23	741	732	725	749	742	757	755	733	670	654	712	705	727	739	733	726	710	715	719	720	721	727	725	732	724
24 Q	729	736	739	742	738	749	747	746	753	740	742	745	747	746	739	733	723	716	716	722	732	737	743	748	738
25	738	746	744	743	751	796	711	684	736	746	733	682	709	673	726	731	719	722	720	725	735	743	747	741	729
26 D	734	744	737	728	739	764	720	287	632	456	654	740	731	675	384	610	708	678	692	719	733	731	735	743	670
27	765	766	762	778	801	741	589	741	715	626	251	395	705	726	695	717	734	717	677	688	725	737	741	755	689
28 D	822	773	873	817	796	613	439	605	269	012	117	175	251	555	677	717	708	702	718	719	720	740	762	758	597
29 D	770	762	782	793	745	693	703	674	-007	-143	-198	-179	237	504	605	607	586	670	625	730	746	756	775	762	542
30 D	779	780	889	833	779	646	580	638	422	491	237	051	627	751	759	716	730	723	688	705	723	740	833	753	661
31																									
Mean	766	757	766	761	754	730	687	676	612	577	540	541	650	683	680	713	710	706	704	716	727	739	751	751	696

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34 Meanook $D = 25° E + \ldots '$ September 1943

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	47.0	30.4	38.7	30.5	30.6	28.5	24.0	36.3	22.7	33.6	46.4	51.8	21.9	35.0	35.6	38.6	31.5	25.0	29.8	28.8	25.8	26.3	27.8	29.0	32.3
2	30.7	29.8	61.4	32.6	38.2	28.9	28.0	38.1	20.8	40.8	44.9	35.1	42.0	31.8	35.8	33.3	31.0	30.5	25.9	21.9	26.7	24.6	28.0	28.2	32.9
3 D	25.8	30.7	29.7	34.4	57.8	31.4	32.0	34.8	36.4	20.8	43.7	28.6	49.1	32.7	47.6	39.1	36.6	31.5	28.5	23.9	25.1	28.8	38.6	26.8	33.9
4	26.4	26.6	29.0	35.2	34.9	34.8	25.9	34.6	23.2	28.6	23.2	21.1	36.1	39.4	38.6	36.1	32.7	29.9	27.4	26.7	25.2	24.1	25.5	26.9	29.7
5	27.5	29.0	37.9	52.2	33.8	26.7	23.0	36.4	29.4	25.6	30.4	23.5	27.1	33.9	37.4	39.0	38.3	30.2	27.0	25.1	28.2	27.4	28.3	29.1	31.1
6	28.6	34.5	27.9	36.5	32.5	22.9	27.7	26.7	26.9	24.5	26.5	17.1	28.6	33.4	35.6	36.0	35.3	32.6	29.2	25.5	23.3	24.4	25.7	26.9	28.7
7 Q	28.0	29.5	29.2	28.7	32.6	29.8	32.6	34.4	33.6	30.6	27.9	29.8	31.0	35.4	39.3	38.4	39.1	38.1	32.3	27.5	25.6	24.1	24.5	25.7	31.2
8	25.5	23.9	24.0	22.6	25.8	26.0	30.2	29.3	29.6	28.8	30.0	33.7	34.6	35.7	39.0	40.1	40.0	47.4	27.8	15.3	23.6	18.5	23.4	23.4	29.1
9	22.9	35.6	21.9	23.5	48.1	37.5	24.5	25.3	37.6	19.5	26.0	37.9	37.4	37.7	38.9	36.6	35.6	30.0	29.7	25.0	26.4	36.9	31.9	23.0	31.2
10	24.4	40.0	40.0	37.9	25.2	27.0	38.7	28.4	24.9	04.9	50.3	45.5	33.8	34.1	36.9	37.7	33.8	31.3	28.3	27.3	26.4	24.2	27.3	26.3	31.0
11	23.0	32.6	47.7	31.8	40.4	28.8	25.2	24.4	31.1	27.4	27.9	30.3	32.4	34.2	28.9	32.4	33.4	28.8	28.0	26.7	27.5	27.6	25.9	25.1	30.1
12	35.1	26.5	44.3	27.0	25.1	26.0	26.7	33.2	30.4	20.7	20.0	32.5	29.6	36.2	36.2	34.8	33.3	30.5	23.3	23.2	25.3	24.7	27.4	27.7	29.2
13	25.9	25.4	48.3	53.6	24.4	40.4	27.7	25.7	27.0	28.9	22.2	20.8	38.3	45.3	42.3	37.4	33.3	28.4	22.8	26.3	26.1	26.1	27.9	26.9	31.3
14	30.0	28.6	24.4	34.3	43.3	14.2	27.1	21.2	21.2	20.3	29.4	49.1	33.5	32.7	32.9	35.1	34.0	30.0	28.9	27.1	26.3	24.4	24.2	26.8	29.1
15	28.6	27.0	28.0	34.6	30.8	28.7	20.5	30.3	24.4	28.3	26.5	31.4	31.0	30.9	32.8	33.5	34.1	31.0	28.0	24.1	26.0	26.5	27.3	30.7	29.0
16 Q	28.0	27.7	27.8	27.6	28.9	28.0	27.8	24.8	27.3	28.8	25.3	25.9	29.8	33.8	35.1	36.1	34.0	29.8	27.2	25.1	24.6	25.1	26.1	26.0	28.4
17	24.3	24.6	24.2	29.4	45.0	33.7	28.7	26.9	24.2	27.7	29.8	29.6	30.2	32.0	33.8	32.9	33.4	32.4	30.9	27.7	24.4	24.1	25.9	28.0	29.3
18 Q	27.3	27.7	27.6	28.1	32.8	29.2	28.1	27.5	28.3	27.3	27.9	29.4	30.2	32.0	33.1	33.4	33.7	32.6	30.4	25.0	24.1	24.9	23.6	21.8	28.6
19	25.1	27.8	33.2	31.3	28.2	41.6	37.5	27.1	28.5	27.3	26.1	34.8	33.8	35.2	33.9	34.8	34.8	33.8	30.2	28.2	27.1	25.8	25.5	26.1	30.7
20 Q	26.3	27.3	28.8	27.0	28.0	29.4	27.9	28.2	29.4	29.6	30.0	30.4	31.8	33.3	34.6	35.7	36.2	33.8	29.5	26.5	26.0	24.4	23.8	23.4	29.2
21	21.2	21.5	21.4	27.1	27.3	24.2	30.5	44.4	31.3	33.2	29.4	15.5	41.6	40.2	41.1	37.3	33.7	29.9	27.1	21.2	19.3	22.1	23.5	22.1	28.6
22	22.0	30.9	26.9	33.2	50.9	29.7	25.4	26.1	23.2	30.7	31.7	29.9	33.7	34.2	28.1	31.3	32.9	30.2	28.1	25.4	24.3	25.1	27.0	28.0	29.5
23	28.7	31.4	33.9	48.7	33.6	31.7	33.1	28.1	18.5	24.1	27.7	33.6	31.8	32.9	35.7	35.8	31.7	26.9	24.3	24.4	23.1	23.3	24.3	26.1	29.7
24 Q	30.9	35.7	29.0	27.5	27.4	30.0	26.3	27.0	27.9	29.7	31.1	32.9	33.2	32.8	33.8	35.0	33.2	30.8	27.2	24.2	23.1	24.0	24.2	24.4	29.2
25	26.4	27.8	27.3	27.0	25.8	26.4	53.9	48.3	32.8	31.3	30.6	28.8	31.9	28.4	33.6	33.9	29.9	30.7	27.9	25.8	25.3	26.2	27.3	28.0	30.6
26 D	28.1	27.9	27.9	30.9	44.0	33.8	22.5	26.6	39.2	17.1	18.0	39.5	47.8	40.6	39.6	28.4	24.7	21.2	15.5	18.4	23.9	27.1	28.9	28.4	27.0
27	27.4	40.9	48.1	58.8	33.9	28.2	09.1	28.3	29.7	27.1	51.7	25.8	40.2	38.2	36.7	31.7	29.2	27.8	28.6	19.5	19.5	23.0	28.6	27.1	31.6
28 D	42.8	38.4	35.6	36.7	43.7	23.2	16.8	27.1	09.5	32.4	36.9	25.6	48.3	27.8	34.5	39.1	31.5	27.8	28.4	24.1	23.1	25.5	30.5	28.1	30.7
29 D	27.4	32.3	41.8	49.6	49.9	27.3	29.8	27.9	12.9	30.9	68.9	56.6	86.5	40.2	43.7	36.5	28.8	23.9	17.7	15.6	19.7	20.0	29.2	31.5	35.4
30 D	27.5	49.8	49.3	42.5	40.8	13.8	29.5	30.0	23.6	12.2	14.0	23.0	41.8	39.7	39.5	38.1	33.6	31.6	29.4	32.0	29.3	36.3	31.1	28.3	31.9
31																									
Mean	28.1	30.7	33.8	34.7	35.5	28.7	28.0	28.5	26.8	26.1	31.8	31.6	36.6	35.0	36.5	35.6	33.4	30.6	27.3	24.5	24.8	25.5	27.1	26.7	30.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook Z = 59,000 γ + September 1943

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	258	235	180	207	179	006	-017	022	113	-058	-162	-020	051	053	083	141	129	130	198	197	181	179	187	200	111
2	215	237	240	224	161	125	051	039	-140	-154	-023	020	-046	-067	-026	123	123	133	161	185	196	204	244	258	103
3 D	233	296	221	210	038	015	197	031	204	-039	-052	017	-166	-106	-111	178	177	176	188	188	196	234	261	199	116
4	204	203	204	201	194	183	165	131	100	081	048	015	140	151	153	172	157	158	180	203	197	178	184	190	158
5	187	217	264	189	165	-043	-044	026	-011	015	-017	-035	132	161	167	152	160	180	176	181	197	208	215	243	128
6	204	205	195	194	189	105	136	079	145	114	127	095	144	176	178	179	178	178	180	181	181	182	181	181	163
7 Q	184	189	182	180	180	117	149	123	124	144	167	163	174	166	171	176	175	171	171	167	168	170	175	175	165
8	179	184	186	201	200	202	203	201	198	184	182	162	170	173	165	167	164	168	189	193	197	216	224	225	189
9	227	216	211	215	177	179	200	165	060	027	016	149	166	172	155	167	164	164	173	180	194	267	255	244	173
10	283	248	212	200	214	154	125	080	065	-166	-071	-105	073	179	154	149	161	180	181	184	188	190	222	205	138
11	208	242	208	227	122	160	176	137	-002	099	147	166	153	107	159	155	163	173	188	185	186	195	202	220	166
12	239	222	191	175	180	176	169	166	159	019	044	074	159	161	175	173	169	176	181	201	201	193	190	189	166
13	199	209	239	161	185	115	088	169	176	171	019	-091	033	055	117	191	219	226	179	196	201	189	182	190	151
14	206	202	194	205	199	200	192	146	104	064	-035	031	117	133	166	177	179	177	176	182	191	190	186	202	158
15	212	198	204	187	186	183	023	099	118	153	118	152	165	163	174	185	164	165	171	174	195	199	204	202	166
16 Q	194	187	178	179	178	179	181	175	185	177	159	114	161	164	175	195	191	191	174	173	172	173	180	187	176
17	200	187	201	215	114	162	195	195	194	193	183	169	174	174	173	183	182	172	174	181	177	183	183	176	180
18 Q	227	180	175	174	176	176	174	173	173	153	152	173	173	173	173	173	173	172	172	172	173	185	198	225.	178
19	218	196	194	186	187	137	125	184	182	157	043	096	162	167	183	184	184	181	176	176	176	180	180	182	168
20 Q	180	176	177	186	206	210	191	187	186	186	186	186	180	180	164	173	174	163	167	167	169	170	175	183	180
21	186	208	235	204	195	186	069	043	162	161	098	-002	067	162	169	175	175	174	175	173	182	184	178	193	156
22	218	237	229	186	177	175	230	247	108	149	153	153	154	151	146	143	177	187	187	186	181	182	184	184	180
23	184	195	204	221	181	189	168	128	111	056	125	130	157	176	174	175	167	165	165	173	173	176	183	187	165
24 Q	201	203	188	183	183	163	140	167	186	163	162	164	169	175	176	176	176	175	173	172	170	172	178	180	175
25	184	171	171	173	175	210	100	-014	131	174	175	129	111	109	144	175	165	177	178	176	178	187	183	178	156
26 D	176	177	175	189	184	187	114	-103	055	-110	068	144	133	102	-073	-012	106	139	152	161	177	202	200	198	114
27	202	271	222	221	216	133	-051	166	152	065	018	-004	093	152	140	161	166	165	178	216	212	205	217	218	156
28 D	301	228	181	057	097	082	038	089	-014	-133	191	053	-092	063	060	092	142	156	183	193	196	209	228	203	117
29 D	216	241	239	136	180	133	180	033	-127	007	096	-116	-125	-113	096	153	117	160	180	245	230	216	253	206	118
30 D	214	286	206	073	066	-111	057	073	120	031	181	165	085	126	167	162	173	176	182	236	243	281	289	227	154
31																									
Mean	211	215	204	185	170	136	124	112	107	069	083	078	102	121	132	160	165	170	177	187	189	197	204	202	154

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook — September 1943

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	02	11	1114	08	41	-37	1151	02	16	82.8	08	42	-27.2	110.0	08	31	295	10	22	-272	567
2	02	21	886	11	13	246	640	11	09	112.3	08	44	01.3	111.0	02	23	298	08	51	-237	535
3 D	03	16	1032	11	06	-291	1323	10	39	108.5	08	10	-48.7	157.2	06	57	568	13	46	-335	903
4	04	51	848	11	09	473	375	13	52	44.3	11	12	08.4	35.9	03	02	260	11	06	-53	313
5	01	49	889	11	07	210	679	03	08	72.3	05	32	04.8	67.5	02	51	319	11	05	-145	464
6	06	11	829	07	19	133	696	03	49	53.2	07	20	-01.5	54.7	03	39	244	05	33	-81	325
7 Q	07	34	771	07	28	686	85	16	31	42.5	21	37	22.7	19.8	01	42	192	08	06	77	115
8	22	06	849	18	27	568	281	17	51	55.9	09	10	05.0	50.9	22	04	274	11	34	130	144
9	00	37	1245	09	14	331	914	04	41	68.2	10	00	-16.1	84.3	00	27	322	09	59	-146	468
10	01	06	1078	10	24	-54	1132	10	27	78.2	09	34	-17.2	95.4	01	46	329	09	28	-242	571
11	04	12	995	08	19	452	543	04	17	71.2	00	55	16.2	55.0	01	09	275	08	27	-49	324
12	01	56	758	09	47	244	514	02	09	58.0	09	47	-08.0	66.0	01	56	287	09	44	-165	452
13	02	29	1011	11	16	397	614	02	12	81.2	11	19	01.9	79.3	02	27	359	11	13	-161	520
14	23	25	796	09	48	303	493	11	21	69.5	09	57	-12.4	81.9	00	45	233	10	05	-170	403
15	00	34	844	06	48	562	282	03	56	44.5	06	39	03.2	41.3	00	45	222	06	38	-53	275
16 Q	22	00	757	16	35	666	91	15	36	38.5	10	36	18.4	20.1	16	00	217	11	09	77	140
17	03	52	833	04	32	678	155	04	07	59.0	07	51	16.5	42.5	03	59	228	04	17	66	162
18 Q	05	41	775	19	09	696	79	04	44	45.4	23	32	18.3	27.1	00	45	244	10	05	132	112
19	05	23	821	10	33	555	266	05	24	62.6	10	30	21.6	41.0	05	21	224	10	30	-7	231
20 Q	22	17	762	14	19	710	52	16	57	39.2	23	56	18.4	20.8	04	18	220	17	25	144	76
21	05	57	871	11	05	292	579	07	57	74.3	11	16	02.1	72.2	02	28	281	12	02	-30	311
22	03	05	859	07	06	379	480	04	14	69.5	07	05	-24.0	93.5	07	55	270	08	43	46	224
23	05	48	803	09	01	575	228	03	36	68.2	08	50	11.4	56.8	03	24	391	09	09	-1	392
24 Q	05	41	775	17	40	710	65	06	14	39.2	06	41	19.2	20.0	00	52	216	06	42	111	105
25	05	55	874	06	49	468	406	06	49	118.7	13	08	18.4	100.3	06	03	251	06	59	-132	383
26 D	06	00	878	14	41	27	851	14	20	69.6	07	22	-113.5	183.1	07	54	262	07	22	-378	640
27	06	11	860	11	04	71	789	10	26	73.8	06	50	-17.4	91.2	01	04	308	10	59	-218	526
28 D	02	46	1037	09	52	-270	1307	10	35	156.6	06	28	-30.5	187.1	10	42	548	09	30	-421	969
29 D	03	46	998	10	11	-416	1414	11	00	154.3	08	47	-31.2	185.5	09	38	853	11	15	-510	1363
30 D	02	50	1148	11	11	-247	1395	02	54	154.0	06	06	-95.9	249.9	21	51	322	06	00	-538	860
31																					
Mean			900			304	596			75.5			-07.9	83.4			310			-119	429
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 37 Meanook H = 12,000 γ + October 1943

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 D	825	763	735	791	774	746	662	726	516	435	464	531	563	538	357	624	696	726	735	711	721	735	757	781	663
2 D	851	893	775	727	736	786	750	735	729	448	481	699	684	407	600	668	654	640	709	720	714	706	742	767	692
3 D	765	832	779	769	779	764	624	191	406	160	112	487	688	718	631	719	660	717	723	721	743	752	795	792	639
4	780	793	746	746	738	735	687	743	718	361	456	501	606	545	720	718	726	735	720	732	728	731	734	738	685
5	746	747	748	742	735	742	699	725	735	730	726	735	734	744	742	739	733	727	718	707	714	728	734	735	732
6 Q	736	738	740	735	743	737	739	743	720	709	721	738	746	749	748	742	740	734	726	723	725	730	737	742	735
7	752	740	731	738	741	742	749	752	753	758	745	749	724	686	682	725	728	713	718	723	727	742	758	734	734
8	787	780	756	742	734	739	750	737	735	738	719	185	577	742	762	741	701	719	731	729	735	745	756	824	715
9 D	758	767	763	777	793	757	247	180	397	600	534	615	676	705	717	724	703	725	706	727	748	745	752	751	661
10	749	753	740	760	758	735	742	734	649	748	720	691	713	683	749	684	675	706	724	732	735	742	747	731	725
11	737	739	741	743	744	743	743	672	710	626	643	677	664	735	744	740	738	728	719	727	728	742	750	741	720
12	736	748	748	759	759	767	617	752	751	722	751	747	744	744	744	737	728	720	718	720	734	741	732	732	732
13	738	749	745	731	742	742	743	750	753	748	745	745	742	703	733	741	735	735	728	730	733	732	742	741	739
14 Q	738	738	748	743	742	742	740	738	739	742	748	743	746	745	744	741	738	730	725	726	730	734	736	742	739
15 Q	742	742	741	741	739	740	741	741	743	744	747	750	751	752	751	748	736	730	722	720	725	734	737	740	740
16 Q	735	743	743	745	746	745	750	748	745	745	748	748	748	745	741	740	737	731	726	723	727	727	735	744	740
17	739	743	746	746	743	743	712	634	524	601	730	584	639	759	751	747	734	725	723	720	725	723	740	745	707
18 Q	744	745	743	745	742	741	740	741	734	746	747	748	748	744	734	737	738	720	713	724	731	733	742	735	738
19	739	745	748	741	737	735	730	736	748	751	755	741	734	734	749	742	639	681	737	745	749	750	741	744	735
20	743	750	753	751	750	747	746	749	743	742	745	749	748	748	742	721	728	695	672	726	729	740	730	744	737
21	738	735	758	758	741	758	754	755	748	741	741	741	741	740	739	740	737	736	734	731	730	733	737	735	742
22	738	744	741	741	745	759	788	774	729	724	610	371	603	723	748	716	719	713	742	744	734	720	733	763	713
23	740	788	752	744	746	735	731	708	697	737	727	731	731	729	685	741	746	737	729	729	734	734	742	749	734
24	752	733	766	740	752	764	771	694	625	323	266	639	527	642	672	677	695	698	710	708	737	773	766	801	676
25	805	915	845	848	748	731	606	589	507	417	534	530	470	679	731	740	725	701	692	698	733	715	740	748	685
26 D	729	774	774	787	718	703	508	519	337	315	246	430	523	244	606	734	728	709	710	713	763	756	755	765	619
27	759	743	752	753	766	766	715	620	598	561	516	675	705	735	727	717	712	735	706	723	720	755	767	776	708
28	768	868	812	777	762	501	519	679	544	493	610	618	578	629	576	641	738	712	706	717	746	752	732	742	676
29	766	774	824	800	778	750	638	617	568	628	714	386	516	697	578	618	670	672	697	715	726	740	755	749	682
30	740	772	827	767	743	709	747	662	732	607	516	543	475	409	726	757	730	728	717	723	744	745	751	755	693
31	743	761	766	773	743	850	624	710	680	624	340	055	465	778	762	752	733	708	695	714	740	727	763	733	677
Mean	755	770	761	757	749	738	688	673	655	614	608	609	655	675	700	720	716	716	717	723	732	738	746	752	707

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38 Meanook D = 25° E + ... ′ October 1943

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 D	25.0	45.4	31.8	38.0	44.5	27.4	32.2	34.8	27.0	42.9	36.8	25.5	30.5	32.4	18.0	14.4	21.1	27.3	26.8	29.3	29.6	28.0	27.3	39.4	30.6
2 D	29.8	39.0	31.2	24.6	26.5	41.2	41.4	27.0	29.2	18.9	19.9	24.5	30.6	24.4	17.6	19.7	24.5	17.9	25.8	24.5	26.6	25.5	25.1	35.1	27.1
3 D	34.9	35.3	37.4	32.5	35.0	30.6	22.0	23.7	46.4	58.8	33.4	59.5	41.9	40.3	37.2	30.7	24.8	26.0	25.7	30.3	29.5	33.3	31.3	33.9	34.8
4	32.7	30.9	44.0	29.4	27.7	30.2	28.5	30.5	29.3	15.6	44.9	28.4	41.1	30.6	32.8	32.2	31.5	32.9	28.5	27.7	27.6	27.7	28.0	28.8	30.9
5	27.5	43.8	33.2	28.1	27.8	26.1	19.5	24.9	28.7	29.9	28.4	28.7	28.0	28.6	31.7	33.1	32.7	32.3	30.7	26.7	24.8	26.0	26.5	27.7	29.0
6 Q	30.1	29.6	27.5	29.7	29.2	26.9	29.3	27.0	24.5	31.4	29.9	35.6	34.0	30.8	30.5	31.5	32.4	31.2	28.6	26.8	26.0	25.7	26.6	27.8	29.3
7	27.4	26.2	26.3	26.0	26.4	26.1	26.6	28.0	30.0	30.0	32.2	34.0	32.7	38.0	32.2	32.6	33.8	29.9	26.8	23.8	19.4	20.0	15.6	19.8	27.7
8	13.2	23.9	26.7	25.5	24.6	26.0	31.2	24.9	27.2	25.5	32.2	28.0	56.7	39.0	32.0	32.6	34.9	27.2	25.8	23.2	21.1	23.5	19.9	20.2	27.7
9 D	24.0	20.8	25.5	27.4	36.8	33.6	00.7	44.8	49.2	28.7	38.1	47.7	34.4	34.7	31.9	32.4	32.7	29.1	23.4	23.5	26.9	25.1	24.3	25.7	26.3
10	27.0	23.5	22.4	22.3	29.3	24.6	29.2	32.2	20.4	27.9	28.2	26.6	29.8	33.5	30.8	26.1	22.9	20.4	21.4	23.0	23.0	25.2	24.8	26.6	25.9
11	26.3	25.5	25.7	26.0	25.7	25.7	38.5	28.8	29.0	25.8	25.1	25.5	24.7	27.5	30.5	31.6	30.4	27.9	24.9	23.2	23.8	24.1	25.0	24.6	26.9
12	27.2	22.7	26.1	25.6	27.4	14.5	17.6	28.0	29.0	30.5	29.0	29.0	29.2	28.8	29.1	31.3	30.3	26.1	24.1	24.1	23.3	23.8	26.0	27.0	26.2
13	26.1	25.5	25.8	28.4	25.1	25.7	28.0	27.8	25.7	28.1	29.0	29.1	26.9	22.8	27.1	30.4	30.4	30.0	27.5	25.2	24.0	24.3	24.0	24.2	26.7
14 Q	25.2	28.2	26.4	26.5	27.7	29.1	28.3	28.2	28.4	28.3	28.4	29.0	28.9	29.5	31.0	31.5	31.1	30.3	28.4	26.5	25.1	24.8	24.6	24.9	27.9
15 Q	25.8	26.8	27.1	27.4	28.8	28.5	27.4	28.2	27.5	27.5	28.1	29.4	29.2	29.6	31.6	32.0	32.3	30.6	28.5	26.1	24.0	24.1	24.5	25.4	27.9
16 Q	25.7	26.2	26.9	27.7	27.1	27.8	29.2	28.2	28.5	28.4	28.6	28.6	29.0	28.7	29.4	29.0	28.9	29.3	27.2	25.5	24.5	24.3	24.1	24.9	27.4
17	24.9	25.9	26.2	26.5	26.3	27.1	26.1	50.7	30.8	29.9	30.2	29.8	31.4	34.9	33.2	32.9	29.5	28.8	27.8	26.1	24.5	24.7	26.0	25.7	29.2
18 Q	25.7	25.7	26.7	26.8	26.9	27.1	27.8	28.4	28.6	31.1	29.3	29.4	29.0	28.9	29.0	29.9	33.0	29.5	23.8	25.6	24.6	24.3	24.8	25.2	27.5
19	25.7	25.5	24.5	24.8	25.4	25.8	27.1	28.4	31.0	30.6	28.3	25.4	24.5	26.0	30.2	32.6	33.9	33.0	33.3	26.6	25.7	36.1	32.4	27.7	28.5
20	27.1	25.7	26.0	25.7	26.6	26.5	27.4	30.5	29.8	28.3	28.0	28.7	28.5	28.0	28.9	28.7	27.9	32.2	17.7	18.0	22.6	23.2	25.7	25.2	26.5
21	24.3	30.6	28.9	29.0	27.9	29.2	26.5	29.3	30.3	29.1	28.5	28.2	28.0	28.4	28.7	29.1	29.3	29.1	28.2	27.9	27.1	26.5	26.4	26.5	28.2
22	26.5	25.9	26.1	25.8	26.2	25.5	29.2	39.2	25.3	26.7	29.0	18.8	37.4	33.2	30.1	24.8	23.6	19.2	26.0	25.5	23.8	24.6	25.0	25.0	26.8
23	35.9	23.5	27.9	34.4	33.6	28.0	28.6	24.0	23.3	27.4	28.2	29.8	31.7	26.2	21.7	25.1	30.2	28.6	26.4	24.8	22.9	23.1	24.3	24.7	27.2
24	22.6	24.5	24.3	28.1	33.4	33.9	24.5	27.4	32.1	34.0	27.5	44.8	52.3	35.8	25.3	24.3	23.5	17.6	20.7	22.6	26.2	29.0	25.0	26.1	28.6
25	28.3	43.3	44.5	32.0	30.3	34.7	15.5	41.9	34.6	35.9	35.2	33.4	23.1	25.3	28.7	27.4	25.4	22.3	20.1	22.9	28.3	25.5	25.5	27.1	29.6
26 D	32.3	42.9	31.3	35.9	43.1	37.4	06.1	30.1	22.8	62.4	39.3	16.9	40.9	27.6	25.1	23.4	26.5	27.6	25.0	22.6	28.6	28.1	27.3	31.3	30.6
27	27.4	27.7	33.3	35.6	28.2	32.0	28.4	11.9	37.4	39.4	28.6	28.8	29.1	29.0	27.6	26.7	23.3	26.1	23.7	25.7	23.5	24.3	27.7	40.5	28.6
28	31.8	35.7	56.3	29.5	33.2	30.0	20.7	34.7	21.1	18.3	15.0	27.1	17.0	23.9	18.9	21.6	24.1	24.7	24.2	22.4	27.2	31.9	26.9	28.1	26.8
29	27.4	39.2	38.2	40.8	35.4	30.4	26.3	28.6	34.2	17.2	37.3	46.5	16.5	33.2	27.5	14.0	17.7	13.0	18.3	25.7	24.4	26.2	29.9	28.5	28.2
30	28.2	28.1	46.2	37.8	26.7	31.0	35.2	21.4	27.2	22.1	36.2	34.2	24.7	11.1	18.7	25.5	26.4	27.7	23.3	23.6	25.1	27.4	34.4	26.5	27.9
31	26.6	27.6	27.3	60.9	49.4	42.9	22.8	28.7	23.0	41.3	40.0	57.7	27.9	26.8	28.4	29.8	28.5	24.1	19.0	24.3	30.0	26.3	26.2	26.1	31.9
Mean	27.2	29.8	30.7	30.3	30.4	29.2	25.8	26.9	29.4	30.7	30.7	31.9	31.3	29.6	28.2	28.0	28.3	26.8	25.2	25.0	25.3	26.0	26.0	27.4	28.3

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

Table 39 Meanook $Z = 59,000\ \gamma +$ October 1943

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 D	166	216	209	208	112	174	045	096	026	-158	-102	020	073	080	-047	058	117	167	190	191	217	216	222	269	115
2 D	263	219	257	209	197	216	114	158	179	020	-011	108	111	-037	043	085	114	146	199	216	224	207	220	237	154
3 D	239	285	252	236	123	153	058	031	-036	364	172	100	137	140	171	182	164	195	199	207	222	231	258	266	181
4	234	265	221	210	198	096	014	146	146	-087	-126	058	039	084	172	171	185	197	193	191	191	192	198	198	141
5	204	216	207	197	196	165	099	149	174	171	163	168	178	179	181	181	179	177	182	183	192	193	192	193	180
6 Q	201	193	193	192	179	181	183	165	102	090	101	127	148	155	163	171	179	180	182	181	178	177	176	177	166
7	186	194	214	194	183	182	194	197	195	184	175	163	118	060	034	088	145	154	166	168	171	176	189	202	164
8	248	221	222	189	181	196	196	154	166	167	154	-049	021	094	153	154	150	172	180	178	191	202	230	278	169
9 D	219	239	213	147	055	106	078	059	-022	051	140	183	172	183	183	169	178	213	191	195	222	219	207	202	158
10	202	198	204	216	221	186	167	064	109	178	172	150	156	127	175	162	166	179	178	190	187	189	192	184	173
11	185	187	186	184	185	187	124	104	119	106	108	118	152	179	181	181	184	181	183	183	185	192	194	199	166
12	198	202	203	195	205	137	118	138	185	151	173	175	173	175	178	178	180	180	183	187	192	192	195	194	179
13	192	187	188	193	191	190	187	185	187	187	185	174	168	157	167	176	176	177	177	177	176	174	176	174	180
14 Q	179	190	185	184	184	184	184	183	178	178	179	172	176	174	177	178	177	176	174	174	174	176	176	176	179
15 Q	178	179	179	180	181	181	180	179	179	179	178	177	177	176	176	177	177	177	177	177	176	176	176	176	178
16 Q	176	181	181	180	179	179	174	176	177	173	174	176	176	174	173	173	172	170	170	170	170	171	173	178	175
17	174	173	174	174	186	203	164	057	065	055	154	075	006	113	173	169	170	171	176	179	182	182	185	184	148
18 Q	181	180	179	179	178	178	182	179	153	163	174	170	172	172	173	172	173	170	166	163	172	179	182	182	174
19	191	173	173	172	172	169	167	169	170	170	171	158	158	167	169	187	198	168	169	187	180	188	202	187	176
20	188	175	175	179	183	182	180	175	168	160	170	170	173	174	173	169	160	164	161	174	175	175	185	193	174
21	218	234	232	197	193	181	144	169	181	183	179	180	179	179	180	180	180	180	180	180	180	180	180	180	185
22	180	180	181	181	191	214	223	211	178	174	096	-085	-086	012	107	119	161	169	193	194	192	196	188	219	150
23	272	267	254	234	225	204	164	132	061	130	151	154	153	162	135	168	172	182	175	178	181	184	189	205	180
24	207	233	250	212	211	159	158	087	091	018	-074	004	-183	-039	104	139	155	179	183	199	223	238	250	280	137
25	275	294	291	272	142	184	047	-021	-103	002	097	096	093	160	151	166	158	168	184	200	240	215	204	207	155
26 D	224	282	244	176	078	087	015	195	-321	-081	099	136	-052	-071	124	196	192	202	220	229	240	226	223	242	129
27	215	223	215	188	103	168	013	-074	-009	054	130	169	176	182	181	173	181	201	201	224	230	273	263	274	165
28	235	232	226	114	087	-019	036	109	119	097	088	091	100	067	047	129	197	224	240	232	235	248	225	225	149
29	226	159	129	077	145	189	057	062	-093	002	111	-005	-030	051	093	095	132	168	187	238	230	228	240	196	120
30	198	226	287	223	209	195	062	078	163	030	-008	003	051	-062	086	155	169	197	202	205	224	223	239	202	148
31	192	198	213	197	158	172	100	146	087	019	104	-147	039	144	172	182	186	187	194	221	255	230	240	213	154
Mean	208	213	211	190	169	167	124	124	096	101	112	103	101	113	140	158	169	180	186	193	200	202	206	209	161

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook — October 1943

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	03	55	949	14	27	171	778	03	57	118.9	14	35	-14.2	133.1	00	52	328	10	00	-293	621
2 D	01	27	1126	10	03	195	931	01	46	64.2	09	50	03.7	60.5	02	17	341	10	02	-142	483
3 D	02	01	960	07	07	-394	1354	11	07	92.8	06	57	-66.9	159.7	09	46	650	07	02	-310	960
4	02	00	883	09	38	231	652	10	55	83.6	09	23	04.2	79.4	02	00	347	09	32	-198	545
5	01	19	780	06	06	664	116	01	17	52.2	06	00	04.5	47.7	01	17	236	06	04	58	178
6 Q	22	35	759	08	30	696	63	04	06	38.2	08	05	18.2	20.0	00	48	203	09	39	80	123
7	22	30	785	13	55	615	170	03	44	41.4	22	55	11.0	30.4	02	30	223	14	28	-8	231
8	23	50	870	11	44	-170	1040	12	07	72.8	11	18	-05.7	78.5	23	25	342	11	38	-226	568
9 D	04	07	849	06	44	-252	1101	04	09	87.2	07	19	109.6	196.8	06	51	375	06	34	-358	733
10	07	14	785	08	14	528	257	07	06	43.6	17	42	13.1	30.5	04	13	245	07	15	34	211
11	06	34	867	07	08	503	364	06	44	63.4	07	54	16.8	46.6	07	10	211	06	51	-5	216
12	07	07	815	06	16	419	396	16	08	33.9	05	53	-09.4	43.3	07	00	224	05	50	-55	279
13	08	08	762	13	24	679	83	02	55	34.7	13	24	19.4	15.3	03	05	207	14	00	141	66
14 Q	02	28	752	18	29	716	36	15	34	33.2	21	45	24.2	09.0	01	18	192	11	50	168	24
15 Q	11	05	757	18	16	705	52	14	55	34.1	20	22	23.3	10.8	05	00	184	18	19	173	11
16 Q	06	49	766	19	37	715	51	06	47	34.7	20	48	23.0	11.7	01	10	182	06	59	153	29
17	13	43	778	08	18	449	329	07	16	63.9	12	05	13.9	50.0	05	31	207	11	49	-21	228
18 Q	22	46	770	18	04	705	65	16	35	35.0	18	12	21.8	13.2	23	59	190	08	24	133	57
19	21	08	768	16	22	579	189	21	34	50.5	16	01	17.7	32.8	22	14	225	18	00	144	81
20	21	46	771	07	57	633	138	17	56	40.7	18	41	07.8	32.9	23	24	212	18	39	141	71
21	05	47	808	01	13	710	98	02	57	38.7	06	17	21.4	17.3	02	43	251	06	04	115	136
22	06	46	829	11	15	215	614	12	27	43.6	11	16	-03.5	47.1	06	46	259	11	36	-166	425
23	01	15	815	14	27	650	165	00	25	42.1	01	21	17.7	24.4	01	46	293	08	24	45	248
24	23	37	844	10	11	-141	985	10	43	76.2	10	07	-25.7	101.9	23	43	308	09	59	-461	769
25	01	20	1132	09	00	-7	1139	07	30	65.8	06	23	-11.6	77.4	01	13	413	08	58	-226	639
26 D	03	34	899	10	10	-6	905	10	03	109.0	06	34	-42.8	151.8	07	42	317	08	19	-547	864
27	06	16	859	10	28	368	491	06	21	80.8	06	51	-07.3	88.1	21	30	319	06	41	-196	515
28	01	41	1005	05	33	388	617	01	53	87.9	05	52	-15.6	103.5	01	21	313	08	26	-273	586
29	03	49	962	11	43	137	825	03	55	99.1	12	18	-08.4	107.5	19	20	283	08	58	-291	574
30	06	12	1152	13	19	297	855	06	11	73.7	07	09	-09.2	82.9	02	33	354	13	04	-197	551
31	05	12	1041	11	45	-126	1167	11	37	117.9	05	58	-08.4	126.3	10	26	287	12	37	-275	562
Mean			868			351	517			63.0			-02.5	65.5			281			-92	373
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 41 Meanook H = 12,000 γ + November 1943

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	754	763	750	753	773	758	724	484	505	545	340	606	624	533	624	725	702	713	714	740	732	732	734	748	670
2	739	748	754	755	756	751	746	733	724	713	738	749	749	749	748	742	731	727	715	719	725	734	743	748	739
3	739	746	746	746	746	744	744	742	745	745	745	745	745	743	745	742	736	728	723	721	727	733	740	742	740
4	743	745	753	754	754	761	751	749	748	747	751	752	756	752	751	754	746	738	735	734	740	744	745	741	748
5	736	756	761	762	775	782	771	748	820	771	749	756	746	752	729	737	750	734	734	735	739	745	745	746	753
6	750	756	756	742	761	766	775	777	750	744	736	750	751	733	710	697	669	655	738	716	719	738	749	748	737
7	769	760	762	768	767	764	752	563	410	686	756	744	748	750	749	741	734	728	730	732	713	722	738	751	722
8	735	747	757	757	752	772	779	738	644	658	756	749	754	751	742	741	739	737	734	736	737	733	738	737	738
9	742	742	724	728	740	732	745	744	747	743	741	744	744	744	745	737	742	737	736	735	734	738	739	737	739
10	738	746	749	744	747	746	745	744	744	743	743	745	744	743	743	742	744	743	740	719	705	728	740	737	740
11 Q	744	747	746	747	747	749	748	745	742	744	743	745	745	745	744	743	741	737	741	740	746	751	747	744	745
12	738	746	751	752	752	752	753	747	753	750	737	698	723	747	757	753	747	739	736	735	737	738	744	747	743
13 Q	744	748	749	750	750	748	748	747	748	749	750	749	751	745	752	752	749	738	736	733	735	735	739	749	746
14 Q	739	750	753	757	752	752	755	748	753	748	750	750	752	752	752	746	737	728	725	724	728	735	741	740	744
15 Q	744	751	751	751	751	750	750	752	749	748	749	749	748	756	758	756	746	742	741	745	746	747	754	752	749
16	747	756	749	761	746	755	759	754	752	753	752	749	729	738	726	731	739	731	728	717	724	723	731	739	741
17 Q	743	751	749	751	750	751	752	750	748	747	748	750	752	751	748	746	744	742	738	738	739	742	746	748	747
18	743	753	754	756	755	754	763	753	746	740	734	725	751	741	750	764	752	737	727	734	740	744	748	745	746
19 D	745	754	760	759	737	751	624	396	-046	290	379	-023	319	688	734	752	727	731	734	717	742	752	752	791	607
20 D	754	809	764	768	766	710	516	394	391	206	427	532	660	744	730	687	726	747	734	725	710	730	745	749	655
21	712	786	748	765	753	744	735	498	558	425	557	546	547	503	626	693	658	722	710	719	749	747	751	736	666
22	752	744	736	745	781	737	723	716	613	667	719	707	673	623	679	741	683	733	724	728	739	739	754	736	716
23	745	769	724	908	782	740	719	679	711	651	697	676	576	542	690	576	676	726	758	743	745	776	764	772	714
24	761	766	766	784	762	749	723	695	415	480	529	699	633	507	471	679	738	725	693	702	734	750	747	734	677
25 D	759	767	766	764	774	728	696	622	479	354	337	433	615	704	705	671	696	705	691	728	758	746	762	786	669
26 D	760	756	752	760	780	760	730	432	535	743	729	681	615	528	285	457	717	764	736	730	738	769	754	804	680
27 D	758	769	760	800	679	878	368	681	619	420	438	394	416	612	727	749	750	745	736	724	714	745	752	761	666
28	776	783	769	749	753	754	735	616	449	594	507	730	772	766	760	756	744	733	706	715	727	738	739	736	713
29	743	751	764	760	731	682	712	660	425	624	669	564	657	615	732	749	724	720	691	698	729	736	746	751	693
30	745	745	738	739	740	737	693	729	736	715	703	695	629	697	749	751	742	749	742	742	747	749	749	750	730
31																									
Mean	747	757	752	761	754	752	718	671	624	641	657	663	681	692	705	720	728	731	728	728	733	741	746	750	716

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42 Meanook $D = 25° E + \ldots '$ November 1943

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		25.3	34.5	29.7	31.7	26.7	27.2	32.4	08.9	34.0	34.8	16.6	47.0	37.8	24.7	17.0	22.6	22.8	25.2	25.3	27.5	25.7	25.6	26.4	25.9	27.3
2		28.6	31.9	28.0	29.1	28.8	28.7	28.1	26.1	25.6	22.4	24.4	26.6	27.6	28.8	29.7	31.2	30.3	28.3	25.5	22.8	23.3	24.2	25.4	25.6	27.1
3		26.4	26.8	26.9	27.4	27.4	30.2	33.3	25.3	25.8	26.3	27.0	27.9	27.9	27.6	29.2	29.4	29.1	28.2	25.4	23.1	23.2	24.5	24.5	25.3	27.0
4		25.7	26.1	26.3	26.6	27.1	28.4	25.8	25.7	27.4	28.8	29.7	29.2	29.6	30.1	30.5	30.3	30.5	30.2	26.6	25.4	24.7	24.3	24.3	23.6	27.4
5		24.4	25.7	25.4	24.6	24.2	24.1	26.2	27.7	32.9	34.0	27.2	28.5	31.4	32.5	28.8	26.4	30.5	28.7	25.2	23.0	23.0	22.6	24.3	25.1	26.9
6		25.3	24.9	25.7	30.5	25.8	26.6	26.0	30.7	23.1	22.8	27.8	27.3	30.7	29.9	26.8	27.8	30.7	20.2	18.6	20.0	22.9	23.7	21.0	28.0	25.7
7		22.5	27.7	25.2	24.6	25.7	26.3	26.7	14.8	04.4	22.1	30.1	30.3	31.0	30.1	30.2	30.9	30.0	28.6	25.3	24.8	24.3	23.6	25.2	25.7	25.4
8		26.7	30.4	27.0	26.4	27.3	36.8	28.9	27.1	19.0	23.7	27.6	30.6	29.2	28.6	29.4	28.5	28.6	27.6	26.0	22.9	23.6	24.2	25.5	24.8	27.1
9		26.6	25.8	33.2	29.6	26.2	26.4	32.2	24.0	27.4	28.1	29.3	28.3	28.4	27.8	28.2	29.3	29.3	27.2	25.2	24.5	25.3	26.6	25.8	25.7	27.5
10		26.4	26.4	26.1	26.7	25.7	25.6	25.7	25.9	26.7	28.9	28.1	28.7	29.0	28.9	28.5	27.6	29.0	28.1	26.6	23.0	19.7	22.7	24.5	25.6	26.4
11	Q	27.1	27.5	26.9	26.4	27.1	26.9	24.5	26.1	26.4	28.3	27.8	28.4	28.1	28.0	27.3	27.7	27.2	25.9	24.8	24.6	25.7	26.1	26.7	27.0	26.8
12		27.2	27.1	27.0	26.5	26.6	25.5	25.6	25.6	27.2	27.2	29.4	31.3	30.1	34.6	31.3	30.1	28.2	26.6	24.8	23.9	23.5	23.6	24.8	25.5	27.2
13	Q	26.2	26.4	26.8	27.1	26.9	26.8	26.7	26.5	26.4	26.2	26.4	26.7	27.6	25.7	28.1	29.0	30.5	26.7	25.5	23.7	22.7	21.8	21.4	22.2	26.0
14	Q	23.6	26.0	27.3	27.4	27.4	26.6	27.4	24.5	26.6	27.3	26.7	27.2	27.3	27.4	28.1	29.4	28.6	27.6	25.3	23.5	22.8	23.8	25.0	25.4	26.3
15	Q	26.4	26.5	26.7	27.0	26.8	26.9	26.4	26.3	26.2	26.2	26.3	26.4	25.7	26.6	27.7	29.1	29.8	26.3	24.6	22.6	23.4	25.3	25.7	25.8	26.3
16		25.8	25.3	28.2	37.5	29.1	26.6	25.8	25.2	26.0	27.1	27.4	28.2	28.5	27.6	27.3	28.5	29.7	27.5	26.4	24.5	23.3	22.6	24.1	25.6	27.0
17	Q	26.9	27.3	27.5	27.2	28.3	26.6	27.0	26.2	26.5	27.8	26.4	26.5	26.6	27.4	28.2	28.5	29.3	29.3	26.5	24.7	23.5	23.7	24.6	25.0	26.7
18		25.7	26.3	26.9	27.2	27.0	28.1	30.1	25.9	25.2	26.6	25.5	21.3	26.5	26.9	22.4	27.1	25.4	26.6	18.5	20.3	21.3	23.5	24.7	25.7	25.2
19	D	26.4	27.1	27.4	27.7	35.3	23.9	34.2	35.1	73.8	67.5	53.8	29.9	20.8	27.7	20.3	28.2	23.0	23.8	26.0	25.1	24.7	24.9	25.7	39.2	32.1
20	D	27.7	32.8	46.9	36.8	45.1	44.4	03.6	43.1	29.8	49.2	24.1	29.5	36.8	29.0	26.2	25.9	24.7	27.2	26.1	27.6	25.8	25.7	26.0	26.1	30.8
21		30.1	33.2	27.3	29.1	43.4	48.5	22.8	15.8	26.8	25.8	34.9	37.5	38.7	27.9	20.0	21.2	17.7	19.7	18.2	21.5	26.6	26.9	25.4	30.8	27.9
22		30.3	29.3	32.4	33.2	55.4	29.7	30.8	24.5	20.0	21.9	24.6	29.3	27.2	16.7	16.4	21.7	19.4	20.4	20.8	21.7	25.8	25.2	23.5	26.4	26.1
23		29.7	26.5	23.3	28.7	19.7	20.8	20.7	17.7	18.0	19.8	22.8	22.7	22.9	37.3	27.5	11.9	26.1	24.9	28.8	37.8	27.9	47.1	29.5	34.5	26.1
24		27.7	45.3	31.8	35.8	38.0	33.3	15.3	26.9	13.3	23.3	21.0	30.8	35.7	34.6	14.0	18.0	23.5	24.1	21.5	19.2	19.9	25.5	25.5	30.0	26.4
25	D	29.3	38.2	38.0	29.1	38.3	30.8	39.8	23.3	22.0	25.7	17.2	42.1	25.3	36.1	30.1	20.4	20.7	19.4	20.3	14.0	18.7	22.3	22.1	29.5	27.2
26	D	28.7	27.8	28.2	33.9	53.9	41.3	28.0	20.6	15.9	25.3	26.8	29.3	26.3	26.8	23.6	07.4	31.3	26.9	26.8	25.0	27.5	30.2	27.3	27.1	27.7
27	D	42.8	31.7	31.1	42.1	72.5	30.6	22.1	35.8	35.6	18.8	25.9	35.2	16.2	26.2	29.5	27.1	28.4	26.6	26.9	26.2	22.1	24.7	20.6	27.6	30.3
28		27.2	30.5	27.2	30.8	49.2	38.8	28.9	12.1	39.0	20.3	11.5	31.4	30.5	29.5	29.0	28.7	27.4	22.0	20.0	16.9	21.8	24.8	27.9	32.5	27.4
29		31.9	34.8	45.9	39.6	35.9	51.8	30.8	31.9	18.1	26.6	34.8	15.2	30.3	12.4	22.4	24.5	19.9	22.4	16.5	16.2	22.5	21.6	23.9	25.9	27.3
30		27.6	28.4	30.0	28.8	28.6	30.8	32.5	35.7	29.8	31.5	30.1	31.9	29.1	24.0	27.3	27.2	24.2	24.6	23.3	23.4	23.7	24.3	25.7	26.6	27.9
31																										
Mean		27.5	29.3	29.3	30.0	33.3	30.6	26.9	25.5	26.6	28.1	27.0	29.5	28.8	28.0	26.2	25.9	26.9	25.7	24.0	23.3	23.6	25.2	24.9	27.1	27.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Meanook $Z = 59,000\ \gamma +$ November 1943

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	220	230	218	213	158	135	147	057	003	-008	-050	-001	-008	050	082	136	151	185	214	215	208	202	206	209	132
2	210	214	209	203	198	193	188	158	142	102	164	190	193	193	193	191	191	193	191	193	194	198	199	197	187
3	195	193	191	190	189	193	172	167	185	189	190	189	188	188	189	193	191	190	189	196	196	197	198	199	190
4	200	195	193	194	193	188	186	193	193	194	193	191	190	188	189	189	189	188	188	188	189	190	190	191	191
5	190	190	193	197	236	256	223	191	184	163	180	202	185	182	157	139	162	165	180	185	190	198	193	193	189
6	199	208	207	214	224	223	212	214	198	195	175	176	185	180	155	156	167	181	233	223	225	214	237	247	202
7	229	246	234	236	224	215	210	100	064	160	191	188	194	196	194	191	188	186	187	192	199	204	205	210	193
8	213	217	210	204	202	211	151	196	126	084	184	185	194	194	189	200	196	194	194	194	197	197	205	203	189
9	199	207	207	210	212	202	168	126	191	196	195	194	192	192	194	188	191	191	189	190	196	197	195	195	192
10	198	209	211	209	204	200	199	198	195	191	191	191	186	187	189	195	190	187	186	189	208	208	207	200	197
11 Q	195	194	194	195	198	201	202	196	195	194	194	194	194	194	192	192	192	192	192	194	194	189	191	191	194
12	188	186	186	188	188	188	190	188	183	184	168	127	129	134	168	181	187	189	191	191	191	191	191	191	179
13 Q	193	190	188	186	187	188	187	187	187	188	188	185	183	178	179	184	184	184	188	189	190	191	193	202	187
14 Q	199	201	197	192	200	208	199	195	193	192	192	191	190	189	189	189	189	188	189	191	192	191	191	193	193
15 Q	191	192	191	190	188	188	188	188	189	188	187	184	178	181	189	189	184	182	183	184	186	189	189	188	187
16	187	193	212	229	217	190	183	182	185	186	185	181	161	162	162	164	174	183	189	190	193	196	199	203	188
17 Q	202	197	193	193	195	191	190	189	186	185	186	186	188	185	184	185	186	187	187	187	187	188	188	188	189
18	189	193	193	191	188	190	178	178	175	160	162	155	172	173	182	179	172	173	179	184	188	189	193	192	180
19 D	192	194	201	229	234	167	105	102	-078	-069	125	157	-045	105	139	184	180	185	206	216	216	212	213	298	153
20 D	234	254	205	201	152	081	-092	-086	-069	049	043	095	131	201	202	179	234	218	211	215	223	214	219	217	147
21	242	320	244	220	214	185	153	-073	021	089	055	079	020	031	142	176	145	223	205	219	243	224	224	234	160
22	230	227	228	229	203	148	169	126	062	115	144	147	142	106	120	173	174	224	212	217	229	221	217	227	179
23	233	245	234	314	311	320	295	220	209	157	138	088	184	062	115	051	101	136	129	167	201	210	225	245	191
24	219	246	257	211	210	107	129	030	-055	028	093	188	089	097	131	144	171	183	219	215	218	231	227	226	159
25 D	234	265	231	222	149	139	106	018	-047	-113	-096	-054	067	098	171	190	184	240	247	306	311	268	248	285	153
26 D	229	218	219	238	243	190	194	056	129	171	180	158	116	024	037	065	154	228	225	228	245	302	256	299	184
27 D	283	297	245	145	126	233	-058	127	056	026	027	020	067	072	171	205	211	207	205	218	218	239	244	268	160
28	248	256	225	218	220	207	191	077	-050	-015	-084	139	194	202	201	202	200	202	216	224	220	219	220	230	173
29	235	219	219	219	206	086	067	080	-068	091	080	056	075	035	094	158	180	195	217	225	242	222	219	216	149
30	208	213	213	212	210	198	149	098	133	121	107	106	093	100	140	168	188	198	198	199	200	205	206	205	170
31																									
Mean	213	220	212	210	203	187	159	129	107	120	130	143	141	143	161	171	180	193	198	204	210	210	210	218	178

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook — November 1943

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	00	819	10	20	244	575	11	24	65.4	07	56	01.1	64.3	01	02	270	09	56	-105	375
2	04	51	766	09	04	665	101	01	10	36.1	08	59	11.7	24.4	01	05	218	09	10	41	177
3	01	37	766	18	49	714	52	06	02	51.3	07	02	19.5	31.8	23	15	202	06	16	155	47
4	05	45	774	17	36	728	46	14	53	33.2	23	45	22.6	10.6	00	10	203	06	05	171	32
5	08	41	893	14	36	689	204	09	01	49.6	08	28	17.5	32.1	05	05	274	09	08	79	195
6	17	18	838	17	26	573	265	18	01	42.3	18	25	-07.5	49.8	22	50	328	16	04	110	218
7	23	27	791	08	20	214	577	01	21	34.3	07	44	-13.2	47.5	02	20	269	07	45	-110	379
8	05	49	877	08	57	485	392	05	56	73.5	08	52	11.1	62.4	05	50	310	08	56	-28	338
9	06	40	769	06	20	714	55	06	36	54.5	07	05	15.0	39.5	06	27	242	07	00	51	191
10	16	55	773	20	52	667	106	15	50	35.1	20	43	13.6	21.5	20	43	217	12	05	178	39
11 Q	21	31	761	19	14	733	28	04	59	31.5	05	55	23.5	08.0	05	20	205	21	17	174	31
12	15	22	776	11	25	677	99	13	30	37.1	12	05	20.7	16.4	03	47	195	11	40	115	80
13 Q	23	07	758	19	21	729	29	16	17	33.2	22	36	20.3	12.9	23	18	209	13	44	173	36
14 Q	06	38	770	19	06	717	53	15	44	31.0	07	01	19.7	11.3	05	20	217	17	30	188	29
15 Q	13	51	773	18	35	728	45	16	35	32.2	18	34	15.9	16.3	13	30	197	13	25	165	32
16	14	35	818	14	33	661	157	03	36	45.6	22	11	18.7	26.9	03	36	241	14	35	130	111
17 Q	13	01	756	20	09	734	22	17	09	31.1	20	57	21.5	09.6	04	24	202	08	26	181	21
18	15	38	773	11	10	685	88	06	19	33.9	18	38	16.7	17.2	14	06	206	11	12	125	81
19 D	05	31	856	08	25	-408	1264	08	41	138.0	12	31	-29.4	167.4	23	22	401	09	00	-482	883
20 D	03	37	941	09	33	-13	954	09	06	105.4	06	25	-62.2	167.6	01	39	307	06	16	-393	700
21	17	11	895	09	13	-38	933	12	49	63.7	07	08	-04.1	67.8	01	20	359	10	52	-177	536
22	04	36	815	08	32	549	266	04	33	81.0	08	33	02.8	78.2	17	11	259	08	24	10	249
23	03	29	1053	13	03	371	682	13	04	71.9	18	30	-21.4	93.3	04	54	406	13	05	-64	470
24	03	05	975	08	10	183	792	05	49	60.5	08	00	-18.5	79.0	02	41	382	07	31	-194	576
25 D	04	22	955	10	03	-88	1043	04	26	85.8	10	22	-08.4	94.2	23	34	339	10	00	-282	621
26 D	17	16	909	14	07	-25	934	14	08	72.8	14	55	-27.4	100.2	23	45	371	14	03	-158	529
27 D	03	02	1123	06	07	40	1083	04	19	94.6	06	39	-40.3	134.9	01	00	366	06	17	-320	686
28	01	44	824	08	10	228	596	08	27	65.3	10	38	-05.3	70.6	01	46	322	10	10	-331	653
29	06	13	814	08	29	244	570	05	45	79.8	08	23	01.6	78.2	02	15	263	05	58	-234	497
30	15	16	766	12	39	541	225	07	10	49.7	12	54	20.8	28.9	01	22	217	12	35	51	166
31																					
Mean			839			431	408			57.3			01.9	55.4			273			-26	299
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 45 Meanook H = 12,000 γ + December 1943

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	747	758	760	758	756	750	744	742	733	724	735	753	750	750	746	744	729	733	731	733	731	733	739	761	743
2	762	767	769	766	766	766	759	762	763	756	754	756	758	761	755	734	676	732	740	700	711	732	753	752	748
3 D	746	780	754	761	774	767	693	748	750	750	741	723	716	672	619	733	715	686	695	717	721	733	753	746	729
4	738	765	771	758	764	762	763	743	723	750	733	727	732	607	662	739	740	727	717	724	737	733	748	753	734
5	748	767	765	766	791	748	764	760	733	755	739	731	697	714	701	747	743	743	733	740	741	743	751	757	745
6 Q	750	760	760	759	758	758	757	756	755	753	751	751	751	752	751	749	747	744	745	748	748	750	753	759	753
7	748	756	758	754	752	752	752	745	740	731	749	748	733	753	756	755	749	740	745	747	754	755	757	756	749
8	754	757	752	750	765	763	764	762	756	740	741	756	764	763	767	767	763	760	754	754	749	750	751	752	756
9	731	758	754	753	760	757	760	741	699	759	752	716	748	764	764	747	749	751	754	747	745	749	751	748	748
10	748	749	756	760	763	756	757	749	747	740	742	726	686	730	748	765	764	750	743	750	752	755	754	756	748
11 Q	758	760	761	763	761	762	760	757	754	749	760	765	764	765	766	764	756	751	751	755	760	761	759	759	759
12 Q	754	762	764	766	763	760	755	754	750	752	755	758	761	765	766	767	768	764	754	752	760	761	764	757	760
13 Q	751	756	756	764	762	761	761	756	757	760	760	759	766	764	765	766	762	757	751	741	744	758	767	767	759
14	759	760	769	768	766	764	764	762	759	759	759	762	750	758	735	720	755	746	748	748	756	760	766	764	756
15	755	763	758	759	757	752	749	750	752	756	756	757	757	762	763	763	758	749	748	754	754	747	752	755	755
16 D	765	765	773	759	752	747	749	740	523	348	488	737	285	522	712	712	686	717	677	717	737	764	769	779	676
17 D	768	854	746	781	775	781	710	760	745	617	420	367	561	678	784	763	731	737	712	726	740	748	762	758	709
18	763	759	774	792	767	762	768	735	633	583	743	707	719	706	600	708	734	735	724	739	730	756	759	759	727
19 D	756	754	746	766	781	773	750	675	711	533	502	602	492	623	755	773	699	608	656	748	766	752	762	765	698
20 D	757	776	766	762	790	766	747	609	642	707	436	601	714	654	649	723	695	740	733	728	722	729	765	745	706
21	776	774	787	772	769	768	769	752	719	735	753	698	596	726	752	775	766	757	748	716	740	742	775	773	747
22	768	775	773	754	763	763	758	750	689	571	724	705	724	733	758	761	733	742	744	735	739	755	757	752	739
23	757	757	766	760	766	763	763	760	570	590	611	687	673	726	754	767	763	754	737	740	758	757	753	744	728
24	739	744	756	767	771	766	765	729	680	729	750	754	756	751	756	766	763	756	750	752	751	759	764	761	751
25	755	760	763	762	773	768	761	758	734	682	663	712	765	759	762	764	754	748	748	749	743	751	756	764	748
26	754	748	768	769	765	767	767	756	752	717	677	660	667	699	754	758	723	734	726	704	728	744	763	760	736
27	758	762	764	750	750	760	760	757	758	752	746	730	734	752	760	769	763	758	754	752	756	757	760	755	755
28 Q	749	769	770	766	763	759	758	760	760	760	764	765	765	764	762	760	756	751	749	749	757	762	765	766	760
29	758	768	767	765	761	757	765	751	720	642	747	765	759	755	759	763	745	740	746	733	729	748	754	754	748
30	756	768	768	767	763	760	755	753	754	755	756	762	761	753	751	776	764	757	754	754	755	758	764	765	760
31	761	767	768	761	764	767	768	771	720	633	725	738	720	763	757	756	765	734	716	733	754	770	765	766	748
Mean	754	765	763	763	766	761	755	745	719	696	701	715	704	724	738	753	742	739	735	738	744	751	758	758	741

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46 Meanook D = 25° E + ... ′ December 1943

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	27.4	27.4	27.4	27.3	27.1	26.7	27.4	26.6	23.0	22.8	23.7	26.9	26.6	27.2	26.9	26.3	29.3	26.5	24.3	21.4	21.2	17.7	18.8	24.3	25.2
2	25.5	25.5	25.6	25.7	28.4	25.0	25.8	25.5	24.4	27.6	29.1	28.9	29.2	30.4	31.1	36.6	22.3	20.2	20.9	22.0	14.5	17.6	19.3	23.0	25.2
3 D	25.7	24.7	27.1	30.0	30.4	29.3	26.3	24.5	24.5	21.5	26.7	29.0	31.7	34.0	29.9	31.6	33.7	23.1	19.5	21.1	19.8	19.9	24.6	25.7	26.4
4	28.9	27.6	26.5	31.0	31.8	29.1	30.0	28.2	25.9	24.1	26.0	26.8	29.8	27.6	20.5	30.1	29.5	27.5	24.0	19.3	17.7	18.9	23.1	25.3	26.2
5	25.8	27.5	33.8	31.1	46.6	27.3	28.0	26.3	13.2	26.1	26.0	26.2	23.6	26.4	21.4	28.6	29.6	28.3	25.3	24.7	22.8	22.7	23.8	25.4	26.7
6 Q	26.2	26.4	26.6	27.0	27.0	27.1	26.2	25.6	25.3	25.8	26.0	26.1	26.3	26.2	27.1	27.8	28.8	28.6	26.7	25.6	24.7	24.0	23.4	24.3	26.2
7	26.1	27.6	28.4	27.6	26.5	26.0	26.3	26.4	24.6	22.4	25.9	28.5	26.7	29.9	29.2	29.2	29.1	27.4	25.5	24.7	24.4	24.4	24.5	25.1	26.5
8	25.6	25.7	25.2	25.9	30.1	27.3	24.7	25.5	24.3	25.5	24.3	29.0	29.2	29.5	29.1	28.4	27.5	23.4	20.1	20.6	21.6	23.3	24.0	25.0	25.6
9	25.5	26.1	26.1	30.1	28.5	26.6	29.6	28.3	21.7	22.8	24.9	23.1	28.7	34.6	32.2	28.3	24.7	24.1	24.5	22.2	20.5	22.2	23.2	25.3	26.0
10	26.6	27.7	27.7	27.0	27.4	27.7	25.9	27.7	26.6	26.0	27.6	28.5	26.2	28.9	27.6	26.0	25.0	25.2	26.3	25.3	23.7	23.4	24.5	25.8	26.4
11 Q	25.0	25.8	26.0	26.1	25.7	25.6	25.6	25.7	25.7	24.8	26.8	26.8	27.3	27.5	27.6	28.2	27.2	25.3	23.9	22.7	22.0	22.2	23.9	24.6	25.5
12 Q	25.3	26.4	26.7	26.4	25.7	25.4	25.3	25.7	24.7	28.1	28.3	27.2	26.3	26.6	27.0	28.1	27.1	25.7	24.5	22.8	21.3	21.3	23.1	24.4	25.6
13 Q	25.5	26.4	30.2	27.6	26.7	25.8	25.5	25.5	26.1	26.0	26.1	25.7	25.8	26.4	26.5	28.2	28.5	27.8	26.2	24.4	20.5	20.9	23.3	25.0	25.9
14	25.7	26.2	26.6	26.9	26.4	25.8	25.3	23.7	24.0	25.0	25.6	28.2	30.3	34.4	23.5	23.5	26.7	25.2	23.4	21.3	19.9	21.9	22.6	20.8	25.1
15	23.7	26.3	28.0	27.5	27.3	26.5	26.2	26.0	25.5	25.6	25.7	25.9	26.2	26.5	27.1	28.7	29.9	27.2	24.9	21.4	21.7	19.7	20.8	22.3	25.4
16 D	24.6	27.7	28.5	28.3	27.4	30.1	28.2	20.4	11.4	12.3	49.4	39.0	74.1	49.7	35.1	25.2	18.5	16.8	17.8	16.4	17.2	22.2	25.9	23.4	27.9
17 D	25.3	32.8	28.6	38.6	61.2	36.4	33.0	21.6	22.3	25.2	04.1	16.6	33.4	32.5	32.0	32.2	25.1	21.8	17.1	20.9	21.4	21.3	24.1	30.0	27.4
18	28.1	27.3	40.7	35.6	28.5	35.1	29.0	31.1	20.9	15.5	25.0	25.7	19.5	28.6	25.2	22.3	25.0	21.5	21.3	22.6	21.2	21.8	23.5	24.4	25.8
19 D	24.0	27.5	36.4	29.1	28.6	28.0	37.4	40.4	34.6	24.7	23.5	39.7	38.5	21.1	25.7	27.8	22.8	13.4	06.5	15.5	21.1	22.0	25.0	24.7	26.6
20 D	34.9	36.3	29.3	30.1	40.0	28.2	28.6	10.3	33.7	25.8	32.5	14.4	28.0	27.5	15.6	19.7	18.5	22.2	15.8	19.7	17.9	18.8	21.5	23.2	24.7
21	24.9	28.9	27.3	27.3	27.7	31.5	33.0	25.8	21.4	21.6	24.0	25.7	15.3	20.9	25.1	28.7	29.1	25.7	27.1	24.7	25.3	21.1	24.3	30.3	25.7
22	26.2	35.0	28.4	28.5	34.6	27.8	28.9	25.7	25.2	15.7	26.4	32.5	22.0	24.5	22.8	25.1	26.9	21.6	23.6	24.1	23.1	24.1	24.1	20.3	25.7
23	25.2	25.3	25.2	27.6	26.9	25.7	27.5	26.8	23.9	22.6	40.6	22.5	31.5	25.5	25.7	28.1	28.6	27.4	24.5	23.5	21.5	21.2	24.0	25.5	26.1
24	25.6	25.8	25.7	30.2	32.6	31.0	29.1	23.0	17.7	27.8	27.9	26.2	23.6	25.1	26.7	28.5	26.2	25.8	24.0	22.2	20.4	21.9	23.8	25.3	25.7
25	25.7	25.7	25.9	27.2	41.1	29.9	29.0	23.7	23.5	20.7	20.6	25.1	27.3	26.9	26.6	27.6	25.9	25.4	24.3	25.0	23.2	22.8	23.2	24.3	25.9
26	25.7	27.0	26.6	27.1	27.0	25.7	24.7	22.3	24.6	23.4	18.5	26.6	26.2	33.7	36.6	33.9	23.6	18.1	19.8	17.9	15.0	20.7	25.9	27.1	24.9
27	26.9	26.6	26.9	29.5	33.1	26.1	25.1	23.7	24.0	24.6	25.7	23.8	27.3	27.6	25.5	26.5	25.8	24.3	23.5	22.4	21.2	22.3	24.4	26.0	25.5
28 Q	25.8	25.7	26.3	26.3	25.9	26.0	32.6	22.6	22.8	24.2	24.7	24.7	24.8	25.6	26.2	27.1	27.4	26.4	24.5	23.1	22.5	22.7	24.5	25.1	25.3
29	25.7	25.7	25.9	25.8	25.3	25.3	26.1	22.5	22.8	22.5	29.3	29.0	27.9	27.8	28.8	30.8	24.7	23.1	23.9	21.7	16.5	19.5	23.0	25.1	24.9
30	25.8	26.5	27.4	27.9	27.6	26.4	26.0	24.5	24.3	24.7	25.7	26.7	26.2	28.4	27.5	30.2	27.2	24.0	23.4	22.5	22.6	22.8	23.3	24.5	25.7
31	24.2	24.6	25.0	25.3	25.3	25.6	25.4	24.5	15.6	19.2	35.8	33.0	32.0	37.6	34.2	26.5	26.2	20.8	16.6	12.3	08.3	11.1	15.5	18.6	23.5
Mean	26.0	27.3	27.9	28.4	30.6	27.7	27.8	25.2	23.5	23.4	26.7	27.0	28.8	29.0	27.3	28.1	26.5	24.0	22.4	21.7	20.5	21.2	23.2	24.6	25.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook Z = 59,000 γ + December 1943

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	205	205	203	201	200	199	199	200	182	160	188	208	205	199	193	188	179	175	192	195	195	203	200	206	195
2	205	204	206	218	225	219	208	209	208	211	202	208	202	198	194	176	132	167	175	189	205	204	232	252	202
3 D	230	226	222	217	234	163	082	175	193	208	203	181	175	141	135	203	196	206	206	230	217	211	225	241	197
4	236	230	232	238	230	218	220	215	154	204	200	203	198	122	158	173	194	198	205	217	209	204	225	224	204
5	216	234	235	233	138	141	208	177	131	191	201	193	174	175	165	181	195	205	204	205	205	205	204	205	192
6 Q	201	201	203	202	202	200	198	195	195	194	195	196	196	196	196	198	199	199	200	200	200	200	200	199	198
7	200	202	203	201	201	205	207	207	189	177	178	190	195	195	195	194	193	190	190	192	195	199	199	199	196
8	200	201	201	200	189	187	188	188	155	157	164	177	186	187	187	188	188	187	188	190	192	194	194	194	187
9	196	199	199	205	205	202	201	169	028	131	187	159	154	172	177	183	173	174	187	188	193	196	199	204	178
10	220	232	229	219	215	218	212	192	193	186	194	176	129	133	155	164	169	185	200	204	204	204	203	201	193
11 Q	200	192	193	192	193	194	195	195	188	162	188	199	194	193	193	193	192	193	194	195	196	200	201	200	193
12 Q	195	193	190	189	189	189	189	191	181	180	187	188	191	193	194	192	188	187	186	186	189	195	199	200	190
13 Q	201	200	208	205	196	196	195	190	188	190	193	194	194	194	194	194	194	194	195	196	197	195	194	196	196
14	197	194	194	193	193	193	192	193	196	195	187	183	174	164	129	102	147	169	187	192	201	200	202	204	182
15	204	206	204	203	202	201	201	200	200	200	200	200	200	200	200	200	198	196	194	194	195	197	205	221	201
16 D	235	233	218	216	204	214	205	167	-108	-249	-087	101	079	025	081	166	142	163	170	221	213	243	263	273	141
17 D	275	322	233	223	182	215	155	202	195	107	-134	-097	-102	056	193	183	184	229	194	198	210	218	227	250	163
18	258	223	257	214	211	206	158	147	107	043	165	148	177	156	132	163	165	177	198	213	232	217	208	210	183
19 D	211	232	248	229	210	206	193	147	107	006	062	048	090	159	182	187	155	178	222	244	241	263	255	249	180
20 D	257	245	229	221	201	193	188	014	088	148	058	122	128	148	166	140	154	206	225	224	255	223	231	234	179
21	260	257	232	215	207	208	199	188	118	136	184	136	117	176	182	212	212	206	207	226	258	248	293	278	206
22	253	260	233	233	223	207	212	202	130	032	129	128	166	156	190	206	201	222	221	229	226	233	238	258	200
23	241	218	218	217	218	211	216	204	080	046	034	150	104	170	202	206	208	206	206	212	212	214	214	217	184
24	217	224	234	238	229	226	207	152	117	163	184	185	196	195	194	201	196	195	197	199	201	205	206	206	199
25	206	204	205	206	204	207	215	207	178	076	045	124	193	198	205	207	203	204	205	205	207	219	215	216	190
26	218	218	219	218	213	205	184	175	191	153	111	064	043	045	089	152	168	191	185	197	202	210	217	212	170
27	208	207	209	216	218	217	211	203	204	204	204	165	145	186	202	199	198	199	205	207	209	209	209	206	202
28 Q	204	197	197	199	198	204	225	212	205	205	204	203	197	197	198	199	199	199	200	200	200	200	200	199	202
29	197	200	200	202	203	207	206	189	157	022	154	206	204	199	204	196	186	180	189	196	198	207	216	208	189
30	202	206	205	204	202	202	203	202	198	195	195	199	199	189	183	182	179	189	193	197	204	206	206	206	198
31	197	199	202	199	204	204	202	186	121	033	123	148	117	141	172	165	141	148	166	185	185	216	223	248	172
Mean	218	218	215	212	204	202	196	184	151	131	145	158	156	163	176	184	182	191	196	204	208	211	216	220	189

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook — December 1943

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	24	00	772	16	34	709	63	16	25	31.7	08	54	14.5	17.2	22	06	214	08	50	127	87
2	22	15	791	16	31	591	200	15	43	42.5	20	08	04.1	38.4	23	26	266	16	48	84	182
3 D	05	40	929	14	34	453	476	05	41	53.7	05	56	06.8	46.9	20	03	275	05	48	-18	293
4	01	48	791	13	30	538	253	04	11	38.8	20	02	14.3	24.5	03	07	248	13	29	98	150
5	04	42	897	14	47	653	244	04	31	82.2	05	06	06.2	76.0	03	59	286	04	53	19	267
6 Q	06	16	762	16	32	739	23	16	56	30.7	21	52	23.0	07.7	02	18	203	09	30	194	9
7	21	50	761	09	34	716	45	13	46	31.4	09	40	16.9	14.5	08	25	209	08	50	145	64
8	04	22	785	10	07	709	76	04	23	36.0	10	00	17.9	18.1	04	12	203	08	35	145	68
9	09	45	782	08	19	609	173	03	45	39.3	08	56	11.7	27.6	03	45	217	08	22	-74	291
10	16	04	772	12	22	655	117	13	32	33.7	06	49	19.5	14.2	01	31	242	12	24	112	130
11 Q	23	09	766	09	19	735	31	15	37	28.9	09	15	20.9	08.0	23	15	204	09	25	150	54
12 Q	16	40	773	08	14	746	27	10	15	29.3	20	43	19.5	09.8	23	08	204	08	56	169	35
13 Q	15	55	769	20	03	737	32	02	41	35.1	20	50	19.0	16.1	02	44	219	09	22	183	36
14	11	15	773	15	06	671	102	14	06	37.2	15	03	13.1	24.1	23	20	210	15	10	70	140
15	23	27	774	21	36	732	42	06	06	31.6	21	38	16.7	14.9	24	00	232	18	30	193	39
16 D	11	14	843	08	38	96	747	12	36	93.2	08	45	-29.7	122.9	23	15	308	08	47	-399	707
17 D	01	11	1061	10	26	191	850	04	22	80.1	10	22	-20.5	100.6	01	13	454	10	27	-338	792
18	03	16	840	08	52	355	485	02	51	76.9	09	44	09.5	67.4	02	48	314	08	55	-81	395
19 D	21	49	841	10	05	47	794	12	36	62.4	18	51	-03.6	66.0	02	24	277	09	48	-91	368
20 D	17	46	849	10	46	133	716	00	54	48.9	07	55	-10.9	59.8	17	55	288	07	36	-94	382
21	22	07	816	12	37	516	300	06	22	37.3	12	32	07.8	29.5	22	50	336	12	25	66	270
22	02	34	807	09	12	421	386	04	29	49.3	09	14	07.6	41.7	01	31	295	09	24	-75	370
23	13	46	784	08	43	303	481	10	52	46.7	09	30	08.8	37.9	00	00	244	08	55	-99	343
24	04	38	796	08	47	609	187	04	31	38.0	08	44	10.0	28.0	03	50	252	08	45	60	192
25	04	32	841	09	37	601	240	04	36	62.0	10	52	04.5	57.5	04	33	283	10	50	-24	307
26	06	41	792	11	39	600	192	14	29	40.1	20	18	09.0	31.1	21	34	229	13	18	20	209
27	15	36	783	11	54	677	106	04	21	40.5	12	00	19.3	21.2	03	45	229	12	06	109	120
28 Q	23	12	770	06	02	737	33	06	12	41.9	07	00	21.6	20.3	06	28	231	12	20	196	35
29	11	01	777	09	03	540	237	11	42	32.4	08	58	01.8	30.6	22	23	218	09	02	-100	318
30	15	29	781	13	58	727	54	15	18	31.8	19	19	20.8	11.0	01	20	207	14	00	173	34
31	23	54	807	09	17	587	220	10	16	39.9	09	07	02.4	37.5	24	00	275	09	19	-16	291
Mean			809			553	256			45.3			09.1	36.2			254			29	225
No. days			31			31	31			31			31	31			31			31	31

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

HORIZONTAL INTENSITY (gammas) (All Days)

Table 49 Meanook 1943

Month Season \ 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
January	+16	+22	+21	+18	+15	+16	+13	-7	-21	-41	-55	-51	-11	-1	+8	+18	+9	+1	-2	+1	+3	+5	+7	+14
February	+13	+18	+27	+25	+23	+18	+7	-10	-20	-18	-45	-34	+1	+4	+8	+8	-2	-6	-9	-10	-8	-5	0	+6
March	+19	+28	+25	+24	+23	+24	+13	-10	-35	-48	-57	-28	-7	+7	+8	+5	+6	- -3	-8	-9	-12	-2	+15	+15
April	+28	+44	+48	+42	+42	+29	-7	-25	-36	-50	-62	-64	-29	+2	+4	+5	+2	-4	-6	-4	+1	+5	+15	+24
May	+41	+58	+54	+44	+32	+13	-27	-39	-64	-61	-65	-50	-17	-7	0	+2	-4	-2	-4	-2	+9	+18	+30	+34
June	+29	+48	+41	+36	+28	+13	-3	-47	-47	-44	-81	-38	-22	+2	+11	+13	+8	+3	-1	0	+1	+7	+17	+25
July	+34	+41	+42	+37	+33	+26	-3	-46	-83	-84	-59	-39	-5	+5	+1	+1	+7	+3	+1	-5	+1	+11	+22	+32
August	+105	+110	+97	+75	+65	+48	-42	-43	-90	-123	-142	-167	-122	-67	-30	-21	+19	+21	+19	+23	+40	+58	+69	+90
September	+70	+61	+70	+65	+58	+34	-9	-20	-84	-119	-156	-155	-46	-13	-16	+17	+14	+10	+8	+20	+31	+43	+55	+55
October	+48	+63	+54	+50	+42	+31	-19	-34	-52	-93	-99	-98	-52	-32	-7	+13	+9	+9	+10	+16	+25	+31	+39	+45
November	+31	+41	+36	+45	+38	+36	+2	-45	-92	-75	-59	-53	-35	-24	-11	+4	+12	+15	+12	+12	+17	+25	+30	+34
December	+13	+24	+22	+22	+25	+20	+14	+4	-22	-45	-40	-26	-37	-17	-3	+12	+1	-2	-6	-3	+3	+10	+17	+17
Year	+37.2	+46.5	+44.8	+40.2	+35.3	+25.7	-4.8	-26.8	-52.2	-66.8	-76.7	-66.9	-31.8	-11.8	-2.2	+6.4	+6.8	+3.8	+1.2	+3.2	+9.2	+17.2	+26.3	+32.6
Winter	+18.2	+26.2	+26.5	+27.5	+25.2	+22.5	+9.0	-14.5	-38.8	-44.8	-49.8	-41.0	-20.5	-9.5	+0.5	+10.5	+5.0	+2.0	-1.2	0.0	+3.8	+8.8	+13.5	+17.8
Equinox	+41.2	+49.0	+49.2	+45.2	+41.2	+29.5	-5.5	-22.2	-51.8	-77.5	-93.5	-86.2	-33.5	-9.0	-2.8	+10.0	+7.8	+3.0	+1.0	+5.8	+11.2	+19.2	+31.0	+34.8
Summer	+52.2	+64.2	+58.5	+48.0	+39.5	+25.0	-17.8	-43.8	-66.0	-78.0	-86.8	-73.5	-41.5	-16.8	-4.5	-1.2	+7.5	+6.2	+3.8	+4.0	+12.8	+23.5	+34.5	+45.2

DECLINATION (minutes) (All Days)

Table 50 Meanook 1943

Month Season \ 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
January	-1.6	-0.2	+0.9	+0.7	+1.2	+2.0	+1.2	+1.0	+1.3	+1.4	+0.8	+2.3	+2.6	+0.8	-0.1	+0.7	+1.0	+0.1	-1.3	-2.0	-2.8	-3.5	-3.2	-2.7
February	-1.8	-1.9	-1.3	-1.4	+0.7	+1.2	+0.1	+0.1	+0.4	+0.8	+0.4	-0.2	+2.1	+1.9	+2.6	+3.3	+3.1	+1.5	-0.2	-1.9	-2.9	-2.7	-2.3	-1.8
March	-2.9	-2.6	-1.2	-1.3	-0.2	-0.3	+0.2	+1.3	+1.8	+1.5	+1.7	+2.7	+1.5	+1.6	+3.6	+4.2	+3.9	+2.5	+0.2	-2.0	-3.6	-4.4	-4.4	-4.4
April	-5.7	-5.1	-2.6	-2.4	-2.7	-0.8	+1.3	+1.1	+0.5	+1.4	+1.1	+4.1	+4.1	+5.3	+6.8	+6.9	+5.3	+3.7	+0.7	-2.3	-4.2	-5.5	-6.0	-5.9
May	-5.4	-4.5	-3.1	-1.8	-0.8	-0.2	-0.2	0.0	+0.3	+0.2	+1.6	+2.0	+5.1	+7.1	+7.3	+6.1	+5.9	+4.0	+0.9	-2.1	-4.7	-5.9	-5.8	-6.2
June	-5.7	-4.6	-3.0	-0.7	+1.0	-1.9	-0.7	-0.5	-0.1	+1.0	+0.7	+3.2	+4.9	+6.0	+6.7	+7.6	+6.9	+4.6	+1.5	-2.5	-5.0	-6.5	-6.5	-6.5
July	-5.2	-3.7	-1.4	-0.1	-0.3	+0.7	-0.8	-0.8	+0.3	+0.2	+0.5	+2.6	+4.0	+6.5	+6.7	+8.0	+7.3	+4.2	+1.7	-3.3	-6.1	-7.1	-6.9	-6.3
August	-1.6	-1.4	+1.3	+2.3	+1.5	+1.4	-3.5	-3.7	-2.3	-3.5	0.0	+4.7	+7.7	+8.7	+8.3	+6.0	+6.5	+3.4	-0.5	-4.4	-5.2	-5.2	-4.5	-3.1
September	-2.2	+0.4	+3.5	+4.4	+5.2	-1.6	-2.3	-1.8	-3.5	-4.2	+1.5	+1.3	+6.3	+4.7	+6.2	+5.3	+3.1	+0.3	-3.0	-5.8	-5.5	-4.8	-3.2	-3.6
October	-1.1	+1.5	+2.4	+2.0	+2.1	-0.9	-2.5	-1.4	+1.1	+2.4	+2.4	+3.6	+3.0	+1.3	-0.1	-0.3	0.0	-1.5	-3.1	-3.3	-3.0	-2.3	-2.3	-0.9
November	+0.3	+2.1	+2.1	+2.8	+6.1	+3.4	-0.3	-1.7	-0.6	+0.9	-0.2	+2.3	+1.6	+0.8	-1.0	-1.3	-0.3	-1.5	-3.2	-3.9	-3.6	-2.0	-2.3	-0.1
December	+0.2	+1.5	+2.1	+2.6	+4.8	+1.9	+2.0	-0.6	-2.3	-2.4	+0.9	+1.2	+3.0	+3.2	+1.5	+2.3	+0.7	-1.8	-3.4	-4.1	-5.3	-4.6	-2.6	-1.2
Year	-2.72	-1.54	-0.02	+0.59	+1.55	+0.41	-0.46	-0.58	-0.26	-0.02	+0.95	+2.48	+3.82	+3.99	+4.04	+4.07	+3.62	+1.62	-0.81	-3.13	-4.32	-4.54	-4.17	-3.56
Winter	-0.72	+0.38	-0.95	+1.18	+3.20	+2.12	+0.75	-0.30	-0.30	+0.18	+0.48	+1.40	+2.32	+1.68	+0.75	+1.25	+1.12	-0.42	-2.02	-2.98	-3.65	-3.20	-2.60	-1.45
Equinox	-2.98	-1.45	+0.52	+0.68	+1.10	-0.90	-0.82	-0.20	-0.02	+0.28	+1.68	+2.92	+3.72	+3.22	+4.12	+4.02	+3.08	+1.25	-1.30	-3.35	-4.08	-4.25	-3.98	-3.70
Summer	-4.48	-3.55	-1.55	-0.08	+0.35	0.00	-1.30	-1.25	-0.45	-0.52	+0.70	+3.12	+5.42	+7.08	+7.25	+6.92	+6.65	+4.05	+0.90	-3.08	-5.25	-6.18	-5.92	-5.52

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Meanook 1943

Month Season \ 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
January	+24	+24	+24	+24	+24	+23	+6	-14	-22	-44	-34	-57	-42	-24	-10	+1	-1	+4	+7	+11	+16	+19	+20	+22
February	+16	+17	+20	+22	+24	+15	+6	-2	-25	-31	-36	-24	-13	-12	-7	-2	-7	-5	0	+5	+8	+11	+12	+14
March	+23	+24	+25	+26	+18	+20	+5	-20	-42	-36	-45	-43	-29	-9	-4	-5	-2	0	+3	+5	+10	+19	+22	+23
April	+29	+32	+30	+25	+15	+14	-9	-18	-21	-36	-42	-37	-36	-21	-15	-8	-2	+3	+6	+9	+13	+15	+19	+27
May	+37	+42	+31	+30	+14	+2	-12	-29	-18	-36	-42	-54	-28	-18	-15	-13	-8	-2	+2	+3	+14	+23	+32	+36
June	+39	+40	+40	+36	+24	+5	+6	-20	-45	-50	-74	-66	-47	-24	-4	+6	+5	+8	+11	+12	+16	+22	+32	+35
July	+36	+50	+48	+45	+35	+10	-28	-34	-48	-65	-58	-46	-29	-18	-14	-9	-4	0	+7	+10	+14	+21	+27	+32
August	+63	+62	+62	+32	+18	-2	-64	-66	-68	-67	-50	-61	-51	-59	-40	-26	+2	+20	+27	+36	+47	+57	+61	+65
September	+57	+61	+50	+31	+16	-18	-30	-42	-47	-85	-71	-76	-52	-33	-22	+6	+11	+16	+23	+33	+35	+43	+50	+48
October	+47	+52	+50	+29	+8	+6	-37	-37	-65	-60	-49	-58	-60	-48	-21	-3	+8	+19	+25	+32	+39	+41	+45	+48
November	+35	+42	+34	+32	+25	+9	-19	-49	-71	-58	-48	-35	-37	-35	-17	-7	+2	+15	+20	+26	+32	+32	+32	+40
December	+29	+29	+26	+23	+15	+13	+7	-5	-38	-58	-44	-31	-33	-26	-13	-5	-7	+2	+7	+15	+19	+22	+27	+31
Year	+36.2	+39.6	+36.7	+29.6	+19.7	+8.1	-14.1	-28.0	-42.5	-52.2	-49.4	-49.0	-38.1	-27.2	-15.2	-5.4	-0.2	+6.7	+11.5	+16.4	+21.9	+27.1	+31.6	+35.1
Winter	+26.0	+28.0	+26.0	+25.2	+22.0	+15.0	0.0	-17.5	-39.0	-47.8	-40.5	-36.8	-31.2	-24.2	-11.8	-3.2	-3.2	+4.0	+8.5	+14.2	+18.8	+21.0	+22.8	+26.8
Equinox	+39.0	+42.2	+38.8	+27.8	+14.2	+5.5	-17.8	-29.2	-43.8	-54.2	-51.8	-53.5	-44.2	-27.8	-15.5	-2.5	+3.8	+9.5	+14.2	+19.8	+24.2	+29.5	+34 0	+36.5
Summer	+43.8	+48.5	+45.2	+35.8	+22.8	+3.8	-24.5	-37.2	-44.8	-54.5	-56.0	-56.8	-38.8	-29.8	-18.2	-10.5	-1.2	+6.5	+11.8	+15.2	+22.8	+30.8	+38.0	+42 0

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

HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 52 Meanook 1943

Month / Season (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
January	+5	+5	+4	+3	+1	0	-1	-1	0	0	-1	-1	0	+3	+4	+2	+1	-1	-5	-8	-7	-5	-1	+5
February	+1	+5	+4	+5	+4	+6	+6	+6	-3	-7	-6	-1	+6	+7	+7	+8	+5	-3	-10	-12	-9	-10	-6	-3
March	-3	+8	+7	+4	+4	+4	+4	+3	+3	+4	+6	+8	+9	+8	+7	+5	+3	-6	-13	-16	-16	-14	-12	-9
April	-5	0	+3	+2	+1	+2	+3	+2	+7	+9	+9	+11	+11	+12	+11	+5	0	-10	-14	-15	-14	-13	-9	-8
May	+5	+5	0	+1	+1	+1	+2	+1	0	+1	+7	+13	+11	+7	+4	+2	-3	-10	-14	-14	-12	-11	-7	-4
June	-4	+5	+7	+5	+2	+2	+5	+5	+7	+3	+1	-10	+7	+15	+15	+12	-3	-12	-20	-19	-18	-13	-5	+15
July	+2	+3	0	-2	-1	0	0	+1	+2	+3	+5	+7	+10	+10	+10	+1	-7	-13	-16	-15	-9	-3	+1	+7
August	+16	+13	+18	+18	+14	+2	+4	-2	-3	-8	-4	-1	-2	+2	0	+1	-3	-13	-18	-17	-12	-9	-1	+7
September	+2	+4	+3	+4	+5	+9	+9	+5	+7	+2	0	+2	+7	+7	+5	-2	-14	-18	-18	-18	-8	+1	+4	+4
October	+1	+3	+5	+3	+4	+3	+4	+4	-2	-1	+4	+7	+9	+9	+5	+3	-1	-9	-16	-15	-11	-7	-1	+2
November	-3	+3	+3	+5	+4	+4	+4	+2	+2	+1	+2	+2	+3	+4	+5	+2	-3	-9	-10	-10	-7	-4	-1	0
December	-6	+3	+4	+5	+3	+2	0	-2	-3	-3	0	+1	+3	+4	+4	+3	0	-5	-8	-9	-4	0	+3	+3
Year	+0.9	+4.8	+4.8	+4.4	+3.5	+2.9	+3.3	+2.0	+1.4	+0.3	+1.9	+3.2	+6.2	+7.3	+6.4	+3.5	-2.1	-9.1	-13.5	-13.8	-10.5	-7.0	-2.6	+1.9
Winter	-0.8	+4.0	+3.8	+4.5	+3.0	+3.0	+2.2	+1.2	-1.0	-2.2	-1.2	+0.2	+3.0	+4.5	+5.0	+3.8	+0.8	-4.5	-8.2	-9.8	-6.8	-4.8	-1.0	+1.2
Equinox	-1.2	+3.8	+4.5	+3.2	+3.5	+4.5	+5.0	+3.5	+3.8	+3.5	+4.8	+7.0	+9.0	+9.0	+7.0	+2.8	-3.0	-10.8	-15.2	-16.0	-12.2	-8.2	-4.5	-2.8
Summer	+4.8	+6.5	+6.2	+5.5	+4.0	+1.2	+2.8	+1.2	+1.5	-0.2	+2.2	+2.2	+6.5	+8.5	+7.2	+4.0	-4.0	-12.0	-17.0	-15.8	-12.5	-8.0	-2.2	+7.2

DECLINATION (minutes) (Quiet Days)

Table 53 Meanook 1943

Month / Season (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
January	-1.2	-0.7	-0.3	+0.1	+1.4	+1.6	+1.5	+0.4	+0.7	-0.1	+0.4	+0.6	-0.3	-0.1	+0.8	+1.6	+1.7	+1.7	+0.6	-0.6	-1.9	-2.4	-2.8	-2.4
February	-0.6	-1.0	-0.9	-0.8	+0.1	+0.8	+2.2	+1.4	+0.5	-1.6	-1.5	-0.2	+1.6	+1.2	+1.5	+2.6	+3.4	+2.1	-0.1	-2.0	-2.5	-2.3	-1.9	-0.7
March	-2.4	-1.8	-1.3	-1.0	-1.5	+0.2	-0.1	+0.3	+0.7	+0.4	-0.1	+0.3	+0.1	+1.1	+3.1	+4.4	+4.9	+3.7	+1.6	-0.9	-2.9	-3.9	-4.2	-4.2
April	-3.1	-2.5	-1.8	-1.1	-1.2	-1.1	-0.7	-0.5	+0.3	-0.3	0.0	+0.9	+2.2	+4.0	+5.7	+6.3	+6.2	+4.4	+2.3	-0.3	-3.1	-4.6	-5.6	-6.3
May	-4.0	-3.1	-2.4	-2.1	-2.2	-1.9	-0.7	+0.4	+0.9	+2.3	+2.1	+1.9	+3.3	+4.1	+4.6	+5.6	+5.4	+4.0	+0.9	-1.6	-4.0	-5.2	-4.0	-4.9
June	-5.1	-5.0	-2.8	-1.8	-1.4	-1.1	-1.8	-1.9	-0.7	-0.3	-0.9	+0.2	+4.4	+6.2	+8.2	+8.8	+9.1	+6.1	+2.4	-1.6	-4.0	-5.8	-6.2	-6.2
July	-2.9	-2.1	-1.7	-0.7	+0.9	-1.2	-1.9	-2.4	-1.7	-1.0	+0.5	+2.3	+4.4	+6.2	+7.3	+8.3	+7.5	+3.7	-0.1	-3.9	-5.7	-5.8	-5.5	-4.5
August	-0.1	-1.5	-0.7	+1.0	+0.1	-2.3	-1.6	-2.1	-1.0	-2.1	-1.5	+0.7	+2.5	+5.4	+6.8	+6.9	+5.5	+3.2	+1.0	-2.4	-3.4	-4.6	-5.1	-4.8
September	-1.2	+0.3	-0.8	-1.5	+0.6	0.0	-0.8	-0.9	0.0	-0.1	-0.9	+0.4	+1.9	+4.1	+6.1	+6.4	+5.9	+3.7	0.0	-3.7	-4.6	-4.8	-4.9	-5.1
October	-1.5	-0.7	-1.1	-0.4	-0.1	-0.1	+0.4	0.0	-0.5	+1.3	+0.9	+2.4	+2.1	+1.5	+2.3	+2.8	+3.5	+2.2	-0.7	-1.9	-3.2	-3.4	-3.1	-2.4
November	-0.4	+0.3	+0.6	+0.6	+0.9	+0.3	0.0	-0.5	0.0	+0.7	+0.3	+0.6	+0.6	+0.6	+1.5	+2.3	+2.7	+0.7	-1.1	-2.6	-2.8	-2.3	-1.9	-1.3
December	-0.1	+0.4	+1.5	+1.0	+0.5	+0.3	+1.3	-0.7	-0.8	+0.1	+0.7	+0.4	+0.4	+0.8	+1.2	+2.2	+2.1	+1.1	-0.5	-2.0	-3.5	-3.5	-2.1	-1.0
Year	-1.88	-1.45	-0.98	-0.56	-0.16	-0.38	-0.18	-0.54	-0.13	-0.06	0.00	+0.88	+1.93	+2.92	+4.09	+4.85	+4.82	+3.05	+0.52	-1.96	-3.47	-4.05	-3.94	-3.65
Winter	-0.58	-0.25	+0.22	+0.22	+0.72	+0.75	+1.25	+0.15	+0.10	-0.22	-0.02	+0.35	+0.58	+0.62	+1.25	+2.18	+2.48	+1.40	-0.28	-1.80	-2.68	-2.62	-2.18	-1.35
Equinox	-2.05	-1.18	-1.25	-1.00	-0.55	-0.25	-0.30	-0.28	+0.12	+0.32	-0.02	+1.00	+1.58	+2.68	+4.30	+4.98	+5.12	+3.50	+0.80	-1.70	-3.45	-4.18	-4.45	-4.50
Summer	-3.02	-2.92	-1.90	-0.90	-0.65	-1.62	-1.50	-1.50	-0.62	-0.28	+0.05	+1.28	+3.65	+5.48	+6.72	+7.40	+6.88	+4.25	+1.05	-2.38	-4.28	-5.35	-5.20	-5.10

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Meanook 1943

Month / Season (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
January	+6	+4	+5	+7	+10	+9	+6	+4	-2	-2	-2	-4	-6	-4	-3	-2	-3	-4	-3	-2	-3	-3	-2	-2
February	+10	+7	+8	+11	+12	+7	+5	0	-6	-19	-19	-22	-8	-7	-5	-2	-2	-3	-2	+2	+4	+6	+7	+6
March	+7	+9	+9	+7	+6	+3	+4	+1	-6	-9	-8	-5	-5	-4	-1	-1	-2	-4	-6	-6	-2	+3	+5	+6
April	+26	+1	+1	+1	+2	+2	+1	-6	-7	-3	-1	-1	-1	0	0	-1	-1	-3	-3	-3	-4	-3	0	0
May	+11	+12	+8	+6	+3	+3	-1	-4	0	-10	-15	-3	+2	0	-1	0	0	-7	-7	-8	-2	+2	+5	+7
June	+17	+15	+14	+14	+17	+11	+9	-3	-2	-8	-8	-24	-17	-7	-2	-3	-6	-11	-13	-11	-6	-3	+6	+20
July	+11	+13	+14	+15	+7	+2	-8	-9	-6	-2	+2	+1	+1	0	0	-1	-1	-4	-5	-8	-6	-6	-6	-4
August	+27	+25	+20	+29	+21	-5	-17	-23	-18	-25	-14	-5	-3	-3	-4	-5	-3	-3	-4	-4	-1	+1	+5	+12
September	+22	+12	+5	+6	+10	-6	-8	-10	-4	-10	-10	-15	-3	-3	-3	+4	+3	0	-3	-5	-4	-1	+6	+11
October	+9	+10	+9	+9	+6	+6	+6	+2	-17	-18	-13	-10	-5	-4	-2	0	+1	0	-1	-1	0	+1	+2	+3
November	+6	+5	+3	+1	+4	+5	+3	+1	0	-1	-1	-2	-3	-5	-3	-2	-3	-3	-2	-1	0	0	0	+2
December	+4	+1	+2	+2	0	+1	+5	+1	-4	-10	-2	0	-1	-1	-1	-1	-1	-1	-1	0	+1	+2	+3	+3
Year	+13.0	+9.5	+8.2	+9.0	+8.2	+3.2	+0.4	-3.8	-6.0	-9.8	-7.6	-7.5	-4.1	-3.2	-2.1	-1.2	-1.5	-3.6	-4.2	-3.9	-1.9	-0.1	+2.6	+5.3
Winter	+6.5	+4.2	+4.5	+5.2	+6.5	+5.5	+4.8	+1.5	-3.0	-8.0	-6.0	-7.0	-4.5	-4.2	-3.0	-1.8	-2.2	-2.8	-2.0	-0.2	+0.5	+1.2	+2.0	+2.2
Equinox	+16.0	+8.0	+6.0	+5.8	+6.0	+1.2	+0.8	-3.2	-8.5	-10.0	-8.0	-7.8	-3.5	-2.8	-1.5	+0.5	+0.5	-1.8	-3.2	-3.8	-2.5	0.0	+3.2	+5.0
Summer	+16.5	+16.2	+14.0	+16.0	+12.0	+2.8	-4.2	-9.8	-6.5	-11.2	-8.8	-7.8	-4.2	-2.5	-1.8	-2.2	-2.5	-6.2	-7.2	-7.8	-3.8	-1.5	+2.5	+8.8

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

Month / Season \ 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

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Meanook 1943

January	+57	+67	+80	+70	+57	+51	+35	+30	-32	-134	-264	-258	-63	24	+5	+60	+22	-8	-8	+33	+53	+64	+47	+60
February	+49	+65	+109	+112	+103	+69	-12	-96	-74	-34	-182	-153	+25	+18	+7	+9	+12	-6	-12	-10	-6	0	+11	+29
March	+67	+96	+70	+63	+70	+68	-3	-84	-137	-159	-157	-37	+11	+4	-3	+9	+17	-1	-13	-14	-23	+22	+79	+54
April	+107	+155	+147	+145	+168	+75	-98	-87	-165	-127	-255	-296	-152	+22	+36	+16	+23	+17	+21	+22	+30	+48	+64	+88
May	+101	+187	+213	+166	+78	+38	-205	-137	-226	-231	-287	-164	+18	+9	-15	-3	+16	+28	+25	+34	+55	+101	+124	+121
June	+61	+79	+64	+91	+77	+71	+16	-114	-125	-138	-193	-126	-69	-12	+31	+24	+16	+18	+24	+26	+27	+44	+53	+64
July	+81	+105	+120	+89	+82	+24	+4	-125	-182	-210	-183	-145	-77	+29	+1	+10	+34	+28	+40	+1	+30	+51	+66	+68
August	+247	+268	+261	+192	+166	+178	-47	+40	-146	-267	-488	-641	-407	-186	-125	-185	+39	+82	+84	+107	+149	+201	+185	+290
September	+165	+172	+201	+188	+146	+51	-47	-89	-276	-415	-376	-445	-168	-57	-60	+62	+87	+93	+83	+109	+121	+141	+174	+140
October	+131	+151	+110	+115	+105	+96	-97	-185	-178	-263	-287	-103	-28	-132	-73	+39	+33	+49	+62	+64	+83	+84	+105	+116
November	+100	+116	+105	+115	+92	+110	-69	-150	-260	-253	-193	-252	-130	0	-19	+8	+68	+83	+71	+69	+77	+93	+98	+123
December	+55	+82	+53	+62	+71	+63	+26	+3	-29	-113	-186	-96	-150	-74	0	+37	+2	-6	-9	+24	+34	+42	+59	+55
Year	+101.8	+128.6	+136.1	+117.3	+101.2	+74.5	-45.2	-82.8	-152.5	-195.3	-254.2	-226.3	-99.2	-33.6	-17.9	+7.2	+30.8	+31.4	+30.7	+38.8	+52.5	+74.2	+88.8	+100.7
Winter	+65.2	+82.5	+86.8	+89.8	+80.8	+73.2	-16.5	-53.2	-98.8	-133.5	-206.2	-189.8	-79.5	-20.0	-1.8	+28.5	+26.0	+15.8	+10.5	+29.0	+39.5	+49.8	+53.8	+66.8
Equinox	+117.5	+143.5	+132.0	+127.8	+122.2	+72.5	-61.2	-111.2	-189.0	-241.0	-268.8	-220.2	-84.2	-40.8	-25.0	+31.5	+40.0	+39.5	+38.2	+45.2	+52.8	+73.8	+105.5	+99.5
Summer	+122.5	+159.8	+189.5	+134.5	+100.8	+77.8	-58.0	-84.0	-169.8	-211.5	-287.8	-269.0	-133.8	-40.0	-27.0	-38.5	+26.2	+39.0	+43.2	+42.0	+65.2	+99.2	+107.0	+135.8

DECLINATION (minutes) (Disturbed Days)

Table 56 Meanook 1943

January	-3.3	-1.8	+4.0	+2.1	+1.6	+1.6	-2.0	+5.2	+6.4	+5.7	-1.0	+6.6	+14.3	+5.1	-2.8	-3.9	-3.1	-5.4	-6.4	-3.6	-4.1	-5.9	-4.3	-4.4
February	-2.6	-3.9	-2.3	-2.9	+1.3	+1.9	-0.8	-6.0	+2.6	+4.3	+4.7	-6.3	+6.5	+5.9	+3.9	+4.0	+2.9	+0.8	-0.1	-2.8	-4.2	-2.8	-1.9	-1.3
March	-2.5	-3.2	+1.4	-2.4	-0.9	-1.2	-4.7	+3.4	+1.1	0.0	-0.6	+6.0	+2.8	+3.0	+5.5	+4.7	+2.7	+2.9	+0.5	-0.5	-5.0	-3.8	-3.3	-6.3
April	-10.0	-10.4	-7.7	-12.7	-12.1	-7.5	+1.4	+1.4	+2.7	+7.8	+5.5	+21.7	+11.3	+7.4	+8.8	+8.0	+7.7	+3.5	-1.1	-2.8	-4.6	-5.6	-7.0	-6.0
May	-7.4	-8.3	-2.6	+0.8	+3.9	-0.6	+3.0	-4.3	-5.3	-1.3	+3.6	+3.4	+9.0	+10.4	+7.2	+3.4	+3.5	+3.7	+0.2	-2.5	-6.0	-5.2	-4.2	-4.7
June	-8.4	-7.5	-4.8	-2.0	+3.6	-0.4	+0.2	+1.0	+2.3	+1.2	+0.5	+7.6	+6.4	+8.3	+7.2	+7.3	+5.3	+3.7	-0.1	-3.5	-7.0	-7.3	-6.8	-6.8
July	-6.4	-6.3	-0.2	-2.7	-0.5	+2.5	+4.4	-3.1	+4.0	+4.4	-2.5	+2.4	+1.5	+4.0	+5.1	+7.0	+7.0	+3.4	+5.2	-2.1	-5.3	-5.9	-7.0	-7.2
August	+1.7	+0.2	+8.4	+0.9	+4.8	-11.3	-2.8	-11.5	-0.5	-10.2	-4.7	+8.7	+1.3	+6.2	+0.1	-8.0	+6.6	+3.0	+1.6	-1.4	-0.6	+0.7	-2.0	+3.1
September	-1.5	+4.0	+5.1	+7.0	+15.5	-5.9	-5.7	-13.1	-7.5	-9.1	+4.5	+2.9	+22.9	+4.4	+9.2	+4.5	-0.7	-4.6	-7.9	-9.0	-7.6	-4.2	-0.1	-3.2
October	-0.7	+6.8	+1.6	+1.8	+7.3	+4.2	-9.7	-15.7	+5.0	+12.5	+3.6	+5.0	+5.8	+2.0	-3.9	-5.8	-4.0	-4.3	-4.5	-3.8	-1.6	-1.9	-2.8	+3.2
November	+1.4	+1.9	+4.7	+4.3	+19.4	+4.6	-4.1	+2.0	+6.0	+7.7	-0.1	+3.6	-4.5	-0.5	-3.7	-7.8	-4.0	-4.8	-4.4	-6.0	-5.9	-4.1	-5.3	+0.3
December	+0.1	+3.2	+3.4	+4.6	+10.9	+3.8	+4.1	-3.2	-1.3	-4.7	+0.6	+1.1	+14.5	+6.4	+1.1	+0.7	-2.9	-7.1	-11.3	-7.9	-7.1	-5.8	-2.4	-1.2
Year	-3.30	-2.11	+0.92	+0.07	+4.57	-0.69	-1.39	-3.66	+1.29	+1.52	+1.18	+5.22	+7.65	+5.22	+3.22	+1.18	+1.75	-0.43	-2.36	-3.82	-4.92	-4.32	-3.92	-2.88
Winter	-1.10	-0.15	+2.45	+2.02	+8.30	+2.98	-0.70	-0.50	+3.42	+3.25	+1.05	+1.25	+7.70	+4.22	-0.12	-1.75	-1.78	-4.12	-5.55	-5.08	-5.32	-4.65	-3.48	-1.65
Equinox	-3.68	-0.70	+0.10	-1.08	+2.45	-2.60	-4.68	-6.00	+0.32	+2.80	+3.25	+8.90	+10.70	+4.20	+4.90	+2.85	+1.42	-0.62	-3.25	-4.02	-4.70	-3.88	-3.30	-3.08
Summer	-5.12	-5.48	+0.20	-0.75	+2.95	-2.45	+1.20	-4.48	+0.12	-1.48	-0.78	+5.52	+4.55	+7.22	+4.90	+2.42	+5.60	+3.45	+1.72	-2.38	-4.72	-4.42	-5.00	-3.90

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Meanook 1943

January	+68	+69	+74	+69	+56	+46	-26	-22	-29	-102	-86	-226	-158	-83	-33	+11	-5	+17	+32	+51	+68	+72	+67	+68
February	+29	+27	+38	+38	+46	+31	+2	-25	-81	-39	-76	-39	-9	-7	-15	-1	-15	-20	-5	+9	+19	+25	+28	+38
March	+35	+48	+42	+36	+3	+21	-17	-51	-111	-65	-93	-52	-19	-8	-9	0	+6	+12	+18	+24	+32	+52	+43	+52
April	+45	+66	+40	+14	-33	-16	-13	+40	+35	-46	-84	-93	-85	-22	-10	-8	+10	+8	+9	+11	+17	+30	+37	+47
May	+85	+102	+35	+43	-34	-73	-81	-4	-19	-71	-85	-130	-52	-18	-25	-25	-6	+13	+24	+33	+49	+69	+83	+84
June	+67	+56	+53	+60	+29	+21	+4	-18	-100	-84	-111	-122	-113	-61	0	+8	+4	+18	+32	+38	+47	+53	+62	+59
July	+76	+112	+101	+86	+61	-38	-66	-109	-163	-57	-90	-102	-76	-32	-22	-1	+11	+12	+27	+37	+43	+60	+65	+68
August	+100	+95	+85	-3	-54	+29	-115	+14	-10	-90	-98	-176	-119	-141	-145	-108	-16	+44	+60	+88	+121	+148	+138	+156
September	+104	+122	+81	+9	-11	-63	-7	-99	-76	-173	-27	-71	-157	-109	-96	-9	+19	+38	+53	+81	+85	+105	+122	+83
October	+75	+101	+88	+48	-34	0	-86	-40	-182	-108	-88	-38	-57	-88	-53	-9	+6	+37	+52	+60	+78	+72	+79	+96
November	+75	+86	+61	+48	+21	+3	-108	-116	-161	-147	-103	-84	-92	-59	-15	+5	+33	+56	+59	+77	+83	+88	+77	+114
December	+70	+80	+58	+49	+34	+26	-7	-31	-77	-128	-152	-101	-98	-66	-21	+4	-6	+24	+31	+51	+55	+60	+68	+77
Year	+69.1	+80.3	+63.0	+41.4	+7.0	-1.1	-43.3	-38.4	-81.2	-92.5	-91.1	-102.8	-86.2	-57.8	-37.0	-11.1	+3.4	+21.6	+32.7	+46.7	+58.1	+69 5	+72.4	+78.5
Winter	+60.5	+65.5	+57.8	+51.0	+39.2	+26.5	-34.8	-48.5	-87.0	-104.0	-104.2	-112.5	-89.2	-53.8	-21.0	+4.8	+1.8	+19.2	+29.2	+47.0	+56.2	+61.2	+60.0	+74.2
Equinox	+64.8	+84.2	+62.8	+26.8	-18.8	-14.5	-30.8	-37.5	-83.5	-98.0	-73.0	-63.5	-79.5	-56.8	-42.0	-6.5	+10.2	+23.8	+33.0	+44.0	+53.0	+64.8	+70.2	+69.5
Summer	+82.0	+91.2	+68.5	+46.5	+0.5	-15.2	-64.5	-29.2	-73.0	-75.5	-96.0	-132.5	-90.0	-63.0	-48.0	-31.5	-1.8	+21.8	+35.8	+49.0	+65.0	+82.5	+87 0	+91.8