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RECORD OF OBSERVATIONS AT MEANOOK MAGNETIC OBSERVATORY 1944-1945

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CONTENTS

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

1944–1945

Introduction

Meanook Magnetic Observatory has been in continuous operation since July 1916 with H. E. Cook as resident Officer-in-Charge acting under the general supervision of W. E. W. Jackson. Following the retirement of W. E. W. Jackson in October 1944, the direction of Canadian magnetic observatories was delegated to R. G. Madill, Chief of the Division of Geomagnetism, Dominion Observatory.

The year 1918 was the first for which a complete set of all magnetic values, D, H, and Z, became available. At the end of the 27-year interval, 1918-1945, all magnetic values except for the north component of horizontal intensity were lower than at the beginning by 1343γ in total intensity, 1332γ in vertical intensity, 198γ in horizontal intensity, 2° 27.5′ in declination, 4.9′ in inclination, 581γ in the east component of horizontal intensity while the north component was 70γ higher.

East declination has maintained a fairly steady annual decrease of approximately 5.4′ throughout the 27-year period. Horizontal intensity decreased until 1939 then increased at an average annual rate of 5γ and inclination has been decreasing at an average rate of 0.4′ since 1930. Total and vertical intensities have been decreasing by approximately 14γ per year.

Instruments

The same absolute instruments continued in use, namely, Elliott magnetometer No. 98 for declination and horizontal intensity and earth inductor MS No. 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, ±6γ; and for Z, ±21γ.

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 year 1945 was one of minimum activity according to the mean K-index of 1.91 derived from 30 world-observatories. At Meanook the ranges in extremes recorded in 1945 were: for H, 1842γ; for D, 4° 36.1′; and for Z, 1841γ. Despite the evidence of 1944 and 1945 being comparatively quiet years and of Z at Meanook decreasing at an average annual rate of 14γ since 1939, the mean value of Z for 1945 was 98γ less than that for 1944. In the words of the late Otto Julius Klotz, "The science of Terrestrial Magnetism is full of anomalies".

The monthly and yearly mean values of H, D, Z, X, Y, and F for 1944 and 1945 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. Absolute observations for H, D, and I during 1944 numbered 39, 90, and 48, respectively, and 27, 82, and 60 in 1945. The means of these three elements, not corrected for daily variation, differ from the means for all days of the year by, −3γ in H for both 1944 and 1945; −0.2′ in D for both 1944 and 1945; −0.4′ in I for 1944 and 0.0′ for 1945.

A list of yearly values from 1917 to 1945, inclusive, completes this section of the 1944–1945 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
1944	°	′	γ	γ	γ	γ	°	′	γ
January	25	25.7	12738	59182	11504	5469	77	51.2	60537
February		25.5	732	179	499	66		51.5	533
March		24.8	728	179	496	62		51.7	532
April		25.2	729	177	497	64		51.6	531
May		25.2	746	160	512	71		50.5	517
June		22.6	740	145	511	60		50.6	502
July		21.8	743	135	515	59		50.4	492
August		22.1	737	132	509	57		50.7	488
September		21.4	737	138	510	55		50.7	494
October		22.1	751	158	521	63		50.2	517
November		21.3	753	158	525	61		50.1	517
December		20.5	740	166	514	53		50.9	522
Year	25	23.2	12740	59159	11509	5462	77	50.8	60515
1945									
January	25	19.4	12748	59153	11523	5453	77	50.3	60511
February		19.2	741	109	517	49		50.2	467
March		19.7	720	036	497	42		50.4	391
April		16.8	726	004	507	35		49.7	361
May		16.0	743	8975	524	39		48.4	336
June		16.7	751	9020	530	45		48.5	382
July		17.3	745	039	524	44		49.1	399
August		17.7	744	033	522	45		49.1	393
September		16.0	736	019	518	36		49.4	378
October		15.4	743	082	525	37		49.7	441
November		14.3	750	135	533	36		50.0	494
December		13.6	739	128	524	29		50.5	485
Year	25	16.8	12740	59061	11520	5441	77	49.6	60420

Mean Annual Values, Meanook

Year	D East		H	Z	X	Y East	I North		F
	°	′	γ	γ	γ	γ	°	′	γ
1917	27	46.1	....	....	....	....	....	....	....
1918		44.3	12938	60393	11450	6022	77	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
1944		23.2	740	159	509	62		50.8	515
1945		16.8	740	061	520	41		49.6	420

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook $H = 12,000\ \gamma +$ January 1944

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		761	769	763	745	752	747	753	740	663	668	747	757	747	715	545	602	726	771	747	728	730	755	762	751	727
2		737	756	756	762	770	777	763	754	750	745	747	740	746	754	752	754	770	766	752	745	736	739	754	754	753
3	Q	744	752	753	752	754	754	755	759	752	741	747	750	748	740	753	762	758	748	744	744	745	750	755	757	751
4	Q	749	750	759	760	759	760	771	759	755	749	751	756	756	756	757	767	768	760	744	743	746	748	757	759	756
5		752	777	773	777	778	785	768	742	715	737	747	762	760	762	761	738	733	744	748	762	752	748	756	755	756
6	Q	751	759	762	763	765	762	761	760	755	751	746	755	751	723	749	775	772	762	751	744	732	732	745	757	753
7	Q	752	760	766	769	762	762	760	760	755	753	754	755	753	758	760	761	754	747	744	745	746	751	759	761	756
8		757	758	758	758	757	758	757	754	718	692	703	712	748	757	765	765	751	757	755	753	749	749	747	744	747
9		746	746	756	766	763	770	766	763	762	763	762	761	760	762	762	759	756	754	762	760	754	755	755	740	758
10		739	757	759	759	760	760	761	758	761	753	746	743	749	751	767	767	760	753	751	756	750	767	743	760	755
11	D	743	757	755	796	810	771	739	735	648	361	640	761	761	753	745	706	676	634	693	733	731	729	744	738	715
12		746	750	763	764	794	781	745	595	435	688	746	604	638	695	717	669	722	754	733	746	746	753	758	761	713
13	D	738	794	766	760	758	735	765	689	499	509	676	710	657	587	765	754	745	714	699	708	734	753	734	734	708
14	D	755	749	751	758	759	788	758	747	717	645	568	673	685	658	648	749	779	627	757	747	730	744	756	751	721
15	D	739	765	761	745	774	737	698	762	738	729	736	709	685	729	736	683	719	725	719	697	716	720	764	739	730
16	D	751	746	755	761	760	754	737	592	708	613	596	700	703	715	656	709	711	737	727	724	731	739	740	746	713
17		734	756	758	747	738	739	730	723	677	723	715	557	690	730	691	731	755	740	737	730	706	727	748	753	722
18		743	744	749	741	722	729	727	747	696	600	675	720	703	701	754	741	710	727	726	715	713	734	754	759	722
19		742	751	735	747	746	746	753	710	687	752	750	745	744	739	752	742	736	726	732	735	736	738	735	732	738
20		745	749	749	750	749	745	728	704	750	728	714	707	728	736	750	753	758	735	722	728	729	730	736	752	736
21		752	741	743	738	748	741	741	737	739	725	718	729	730	739	737	740	748	739	730	724	731	737	739	741	737
22		726	719	737	740	737	738	730	726	719	738	738	737	727	729	737	751	750	741	735	733	727	730	735	740	734
23		740	736	739	736	738	739	746	740	732	725	733	750	749	748	747	746	746	744	739	736	737	734	737	735	740
24		734	744	748	744	743	740	736	742	744	744	744	744	748	749	743	741	730	747	744	742	742	741	746	747	743
25		747	754	755	753	750	744	745	744	743	746	747	741	747	731	727	749	755	747	742	740	741	735	732	738	744
26		739	745	747	749	748	748	746	746	744	747	746	746	749	762	765	766	750	745	725	718	731	747	725	726	744
27		731	743	763	748	749	750	762	744	671	574	679	737	725	738	748	749	740	734	724	703	714	737	749	739	727
28		731	731	747	751	757	761	787	762	747	745	716	734	748	746	740	745	748	743	731	730	721	728	731	741	743
29		738	749	747	750	749	751	749	747	739	723	741	746	742	747	733	741	750	743	739	735	733	727	733	740	741
30	Q	731	742	745	741	744	750	754	750	746	742	745	747	748	744	742	750	750	744	737	733	730	733	743	748	743
31		738	747	747	741	747	747	745	741	746	747	746	747	750	751	752	740	729	747	738	721	716	720	727	727	740
Mean		743	751	754	754	756	754	750	733	710	699	720	727	731	732	734	739	744	736	736	734	733	740	745	746	738

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook D = 25° E + . . .′ January 1944

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	24.1	26.7	27.1	28.6	28.9	30.3	27.1	26.3	25.9	30.2	28.0	27.4	29.8	31.8	16.1	20.8	35.2	31.7	27.9	23.4	23.5	19.1	19.6	21.4	26.3
2	24.0	24.6	27.2	28.6	29.3	25.9	26.0	26.4	26.0	25.4	25.9	25.5	26.9	27.8	31.9	31.2	30.1	28.6	25.4	24.5	22.3	22.5	24.8	25.8	26.5
3 Q	26.4	26.4	26.4	26.7	26.7	26.6	26.4	24.3	23.6	24.0	25.7	27.1	27.4	26.0	27.5	29.7	30.4	28.3	26.9	24.2	22.8	23.0	24.0	24.3	26.0
4 Q	24.5	24.1	25.3	24.2	28.0	27.5	27.1	26.4	25.3	25.7	26.4	26.1	26.4	26.8	27.9	29.8	28.4	28.2	27.7	25.9	24.6	24.0	21.6	21.1	26.0
5	21.5	24.1	23.3	29.7	28.2	36.0	26.9	27.6	24.2	29.1	29.5	25.2	25.8	27.0	29.0	27.8	22.9	25.0	27.9	27.4	25.4	23.5	24.3	25.2	26.5
6 Q	25.4	25.0	25.6	26.6	26.1	26.1	26.0	25.9	25.4	25.7	27.9	27.4	25.7	22.3	25.1	29.4	28.3	27.8	26.6	25.7	23.5	22.3	20.2	22.6	25.5
7 Q	23.4	24.7	25.8	26.4	28.2	28.9	27.1	26.3	25.2	25.8	25.4	25.8	24.3	26.4	27.1	27.9	27.5	26.6	25.1	23.9	21.7	21.7	23.9	24.8	25.6
8	25.7	25.1	25.3	26.2	27.1	25.9	25.7	25.2	19.9	23.8	26.4	33.6	34.7	30.2	31.0	31.1	26.8	25.2	24.5	24.0	23.6	24.7	24.8	25.2	26.5
9	24.9	25.4	26.4	25.5	25.8	25.4	25.2	25.1	25.0	26.0	26.3	25.9	25.5	26.7	28.9	29.1	29.3	24.3	23.4	22.7	22.2	22.3	24.4	24.8	25.4
10	26.2	25.9	26.3	27.3	26.9	26.3	26.4	24.8	25.5	25.3	25.4	28.9	25.2	26.3	27.7	30.2	27.1	22.5	20.8	21.8	20.7	20.2	19.7	20.2	24.9
11 D	24.9	24.4	26.8	30.1	43.8	32.4	30.2	28.8	30.0	32.0	30.4	27.4	27.1	26.9	27.8	20.6	18.8	13.5	09.5	17.1	19.3	23.3	23.9	27.4	25.7
12	26.6	27.6	28.4	28.1	43.2	36.5	31.6	21.0	28.1	28.4	29.8	33.3	17.2	22.8	31.2	18.2	23.2	27.1	24.3	23.9	21.1	22.2	23.9	24.2	26.7
13 D	23.1	35.2	27.9	27.3	30.3	21.3	20.6	23.6	17.6	19.4	29.9	33.3	25.2	33.4	25.0	26.3	26.8	19.9	18.6	19.0	21.0	23.0	24.0	27.4	25.0
14 D	26.2	27.1	31.1	29.8	30.7	31.4	27.7	24.0	28.0	18.2	21.3	31.6	37.0	31.7	24.4	34.0	27.1	14.4	16.1	15.6	17.6	21.7	22.5	24.4	25.6
15 D	27.6	29.4	35.8	34.7	35.1	31.7	18.6	27.4	23.4	22.1	27.8	26.7	18.9	26.7	29.1	23.9	19.9	22.1	23.7	20.2	18.9	16.1	22.4	25.4	25.3
16 D	25.8	34.9	26.7	28.8	34.2	32.2	29.8	17.8	18.5	14.7	23.3	28.1	28.2	29.2	27.1	21.9	20.4	20.1	17.5	18.7	20.5	21.3	22.7	22.8	24.4
17	25.4	27.8	27.9	29.4	39.9	41.4	22.4	24.2	19.8	22.3	20.1	16.1	19.1	24.0	25.1	26.7	27.9	30.7	26.7	25.0	20.5	20.6	22.7	25.7	25.5
18	26.2	26.2	26.6	28.3	35.6	32.8	25.2	27.1	25.9	32.2	45.2	29.8	26.7	23.7	25.6	27.7	23.3	19.6	20.4	22.0	21.1	19.8	23.2	26.7	26.7
19	27.4	25.8	31.1	31.0	29.4	29.7	30.1	22.8	17.1	24.7	25.5	25.9	25.4	25.2	26.7	28.1	26.1	22.8	24.2	24.4	23.4	23.3	24.5	27.8	25.9
20	26.6	25.6	26.2	27.1	27.4	28.1	26.5	30.3	25.6	25.9	21.8	21.3	25.7	27.0	29.3	31.3	33.5	26.6	23.9	21.7	19.4	19.5	22.0	24.1	25.7
21	24.4	26.1	27.1	29.0	31.2	28.3	26.5	26.1	26.0	24.8	24.1	26.5	26.2	26.1	26.4	26.4	29.7	28.1	25.2	22.8	22.8	23.8	24.3	25.0	26.1
22	24.9	25.3	26.2	27.1	27.9	33.0	30.0	27.9	21.2	24.4	25.5	25.8	23.8	23.6	24.6	28.1	27.3	27.1	26.2	25.4	24.0	22.9	23.7	25.0	25.9
23	26.1	26.1	26.2	27.1	26.7	28.9	27.9	26.0	24.7	30.5	26.0	27.9	25.6	25.6	26.2	27.4	28.1	27.6	26.7	25.6	22.3	21.6	21.5	23.1	26.1
24	24.8	24.3	26.1	26.6	26.5	26.4	26.2	29.7	26.0	26.3	26.2	26.2	26.3	26.4	25.7	24.8	19.9	22.0	25.4	25.5	24.3	24.0	24.8	25.2	25.4
25	25.2	25.3	26.2	26.7	26.4	26.4	25.1	24.6	24.9	25.2	26.8	26.7	26.6	25.3	23.5	24.2	26.0	25.1	25.2	24.4	23.2	23.4	24.2	25.6	25.3
26	26.2	25.7	25.7	25.8	25.8	25.6	25.2	25.1	25.7	25.9	24.1	23.5	26.8	27.1	27.2	28.8	29.6	26.7	23.5	23.1	20.5	18.8	20.1	20.1	24.9
27	21.1	23.2	27.7	26.7	25.6	25.8	26.3	26.5	16.3	18.8	34.1	36.5	26.9	27.0	28.4	28.3	28.9	26.2	26.4	21.0	17.6	18.2	24.2	24.0	25.2
28	23.9	23.4	25.4	25.9	26.4	24.5	31.6	26.2	26.4	25.1	27.7	24.7	28.1	29.1	27.8	28.0	27.4	27.3	26.8	24.3	22.8	21.0	21.9	23.1	25.8
29	23.1	23.3	23.4	25.6	26.9	26.6	27.1	25.9	27.4	25.4	28.9	27.0	24.1	26.7	26.6	26.5	30.3	27.9	26.1	25.0	23.5	22.2	23.3	23.1	25.7
30 Q	23.8	24.7	25.2	26.3	25.1	26.0	25.6	25.5	26.2	24.9	26.6	26.0	25.7	24.6	25.2	27.7	28.9	26.9	24.3	23.4	23.0	21.8	20.9	22.3	25.0
31	23.4	24.8	22.9	25.2	26.8	26.7	26.3	26.4	25.0	24.2	24.4	25.1	25.7	25.6	26.9	29.2	27.4	29.5	26.3	24.0	20.0	20.5	21.2	20.4	24.9
Mean	24.9	26.1	26.8	27.6	29.7	28.9	26.6	25.7	24.2	25.0	27.0	27.2	26.1	26.7	26.8	27.3	27.0	25.1	24.0	23.1	21.8	21.7	22.9	24.1	25.7

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

Table 3 Meanook $Z = 59,000\ \gamma +$ January 1944

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	195	197	196	198	196	194	182	162	086	175	195	192	164	-32	-36	085	153	162	172	175	199	205	214	160
2	201	205	202	206	212	212	208	194	196	186	188	184	184	195	186	185	201	196	193	196	195	196	201	201	197
3 Q	196	192	192	190	188	189	193	182	186	187	189	187	185	184	190	205	197	196	194	193	193	194	194	194	191
4 Q	193	194	198	208	217	229	215	199	196	194	192	190	192	193	193	194	195	188	188	189	188	188	190	188	196
5	195	244	236	229	239	223	222	208	100	116	156	181	186	190	188	174	151	168	199	200	197	195	197	196	191
6 Q	193	188	189	188	190	189	189	188	188	183	173	176	175	164	180	199	193	192	189	189	189	194	194	202	187
7 Q	196	196	196	196	201	206	205	194	190	189	184	184	182	184	185	185	185	185	186	187	186	188	190	189	190
8	187	186	190	192	193	190	194	187	128	084	088	097	121	152	172	175	178	179	184	187	189	187	190	186	167
9	185	185	196	195	186	184	185	184	183	182	182	179	172	174	175	176	173	183	185	185	185	186	186	186	183
10	185	186	186	186	186	186	188	182	192	189	185	153	156	147	174	173	175	176	178	181	186	196	197	295	185
11 D	225	216	227	255	154	202	194	147	099	022	129	178	186	188	183	158	144	114	105	134	197	208	228	222	171
12	223	212	206	201	209	143	156	045	-75	059	145	115	115	106	126	137	127	173	182	201	201	201	201	210	151
13 D	217	304	220	216	227	175	091	119	-20	-09	085	121	118	031	194	193	181	178	197	216	240	228	227	219	165
14 D	212	207	213	207	197	146	143	152	120	016	-40	028	088	169	142	181	208	174	250	203	201	215	217	217	161
15 D	247	234	230	217	224	205	076	149	164	156	178	146	126	168	172	151	196	174	227	239	252	240	283	251	196
16 D	219	239	216	217	214	196	174	003	076	012	016	072	087	132	131	167	155	199	192	185	199	207	213	227	156
17	234	227	214	207	207	196	119	126	102	169	090	016	078	126	132	171	187	185	205	201	203	208	212	209	168
18	206	202	204	206	212	216	158	140	093	-09	165	099	117	168	188	176	185	200	185	193	220	216	217	223	174
19	223	208	220	221	208	204	201	117	090	181	189	187	186	185	185	175	198	198	195	195	195	200	201	202	190
20	212	196	198	201	199	197	166	106	166	167	138	121	144	152	185	206	208	187	183	190	196	197	214	209	181
21	203	208	209	216	197	195	194	194	190	176	160	169	167	182	185	196	197	189	193	196	197	197	198	198	192
22	193	204	209	209	207	202	196	182	148	173	188	187	175	176	181	190	188	189	193	192	195	198	198	198	190
23	194	193	195	198	202	210	207	193	173	132	143	180	186	189	190	193	195	197	197	197	197	199	206	203	190
24	199	195	194	193	192	190	189	177	147	173	185	188	188	185	181	169	175	172	185	189	190	193	193	192	185
25	188	181	182	182	184	186	190	189	188	187	187	176	167	152	146	155	166	169	181	188	190	192	193	193	180
26	187	185	185	185	185	185	185	184	184	183	174	171	180	184	182	182	179	179	184	186	198	223	222	218	188
27	217	222	236	210	209	228	234	217	122	056	136	174	172	177	181	185	188	186	188	185	186	193	209	207	188
28	206	212	204	207	210	212	223	193	201	201	165	169	188	187	187	193	194	188	186	194	196	203	204	203	197
29	198	198	203	210	210	201	195	195	186	148	169	190	184	180	174	171	174	175	184	187	190	194	194	195	188
30 Q	189	189	190	196	201	200	200	196	193	185	186	187	188	184	184	186	186	184	185	189	192	190	194	196	190
31	201	196	196	196	196	195	195	193	186	184	184	186	190	190	186	181	175	169	173	180	184	192	201	204	189
Mean	205	206	204	204	202	196	183	165	144	134	151	154	160	166	169	172	179	180	188	191	197	201	205	208	182

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4

January 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	22	34	802	14	30	473	329	16	03	38.9	14	25	-1.0	39.9	22	47	228	14	46	-147	375
2	05	21	786	12	10	731	55	15	00	34.7	21	00	20.6	14.1	05	55	217	12	20	165	52
3 Q	14	33	776	14	27	730	46	16	00	31.6	08	32	20.2	11.4	14	37	210	07	48	168	42
4 Q	15	56	777	18	22	737	40	15	28	32.2	23	00	20.2	12.0	05	36	240	17	24	179	61
5	05	20	799	08	34	643	156	05	16	55.2	08	37	08.1	47.1	04	36	261	08	44	042	219
6 Q	15	33	779	13	36	715	64	15	50	30.7	22	24	19.1	11.6	23	18	217	13	39	154	63
7 Q	03	40	776	19	26	737	39	05	01	35.5	21	08	20.8	14.7	06	15	214	13	29	174	40
8	15	23	767	09	41	656	111	11	36	38.3	08	12	16.5	21.8	07	37	199	10	10	052	147
9	04	21	777	23	33	728	49	16	43	32.6	18	16	21.3	11.3	02	46	207	16	44	166	41
10	23	16	803	22	46	707	96	15	16	33.3	23	04	13.3	20.0	23	20	352	11	12	123	229
11 D	03	57	958	09	43	-27	985	04	04	65.2	09	47	-0.9	66.1	03	36	311	08	51	-75	386
12	04	37	899	08	17	330	569	04	49	61.8	15	50	04.6	57.2	04	38	301	08	37	-193	494
13 D	04	59	1144	08	36	291	853	05	59	70.6	09	04	-19.3	89.9	01	16	402	08	44	-200	602
14 D	16	13	857	09	54	402	455	05	16	44.5	09	54	00.9	43.6	17	56	320	09	55	-149	469
15 D	20	40	821	21	18	588	233	05	15	48.9	21	23	07.4	41.5	22	04	323	06	26	-06	329
16 D	01	09	780	09	58	283	497	04	06	44.0	09	57	-11.4	55.4	01	11	280	09	50	-203	483
17	06	29	822	11	24	496	326	05	02	63.4	06	41	05.2	58.2	01	05	257	11	25	-52	309
18	15	00	776	09	51	361	415	10	01	55.4	17	18	13.2	42.2	20	23	241	10	13	-236	477
19	01	46	774	08	26	635	139	02	58	41.4	07	50	11.3	30.1	17	04	238	08	16	020	218
20	16	31	765	06	59	645	120	07	17	38.5	11	05	11.7	26.8	22	19	237	07	10	063	174
21	04	21	780	09	59	706	74	04	22	39.8	09	56	19.3	20.5	03	51	229	10	20	149	80
22	15	16	758	07	41	706	52	05	36	36.9	08	36	18.6	18.3	02	20	215	08	34	126	89
23	22	11	762	09	20	710	52	09	39	34.8	22	13	19.6	20.2	06	05	220	09	44	091	129
24	02	06	765	16	29	708	57	07	26	36.6	16	29	16.5	20.1	00	00	201	08	05	122	79
25	17	16	760	14	13	718	42	05	56	29.7	15	06	20.6	09.1	21	50	198	14	10	136	62
26	14	54	780	11	56	703	77	16	07	33.7	21	03	14.7	19.0	21	40	237	11	08	141	96
27	05	45	775	08	58	510	265	11	47	39.8	08	46	-0.3	40.1	02	47	258	08	59	-17	275
28	06	41	817	10	46	681	136	06	49	43.4	11	15	19.6	23.8	06	17	250	11	09	139	111
29	05	46	758	09	34	693	65	15	10	31.9	09	27	17.8	14.1	03	38	213	09	38	098	115
30 Q	13	52	757	19	30	718	39	16	38	30.3	22	16	20.3	10.0	04	30	203	14	36	175	28
31	08	38	758	16	26	708	50	17	07	33.5	20	07	17.6	15.9	23	06	208	17	09	163	45
Mean			803			594	209			41.7			11.8	29.9			248			44	204
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 1944

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		720	743	759	751	744	738	736	736	736	736	736	735	734	734	744	745	746	741	730	720	719	721	730	738	736
2		737	739	742	739	749	746	744	753	727	735	737	736	737	743	745	745	749	746	742	737	732	724	724	732	739
3	Q	734	748	748	747	746	744	744	744	743	742	736	746	747	747	748	748	748	742	733	734	734	737	737	745	743
4		746	749	751	742	744	751	756	751	754	751	743	742	752	751	756	762	761	751	739	739	751	749	746	752	750
5		743	754	754	753	750	749	750	746	747	750	750	750	756	760	761	761	757	743	732	726	726	730	736	741	747
6		736	750	757	755	750	748	751	750	749	749	751	750	751	757	758	756	755	748	748	739	744	751	751	751	750
7	D	745	756	759	762	761	758	798	795	692	282	403	726	335	358	436	670	728	714	751	723	752	759	750	760	666
8	D	791	747	747	745	791	766	727	716	666	676	684	721	691	591	687	706	719	737	740	723	721	726	745	741	721
9	D	746	749	754	754	750	740	745	741	687	550	584	543	727	467	702	732	746	717	733	738	741	743	757	747	704
10		746	757	751	762	769	754	772	719	718	642	679	725	695	687	726	711	709	731	708	736	748	741	748	756	729
11		748	748	754	767	769	760	754	705	648	482	592	648	712	741	768	739	750	741	730	734	737	753	750	748	720
12		741	746	744	745	747	741	746	745	734	728	692	726	710	684	703	753	748	744	738	730	729	738	746	752	734
13		744	751	752	751	751	748	744	765	742	736	742	741	737	725	747	742	727	727	730	735	742	759	747	700	741
14	D	739	856	771	920	923	876	693	537	074	038	750	631	568	440	748	744	744	743	736	732	727	744	750	753	677
15	D	736	732	741	761	743	743	740	728	709	625	574	530	485	647	736	756	729	702	702	684	722	725	737	746	697
16		735	739	751	749	745	740	665	661	734	682	671	729	744	747	745	743	739	741	738	732	734	734	743	746	729
17		731	742	747	749	750	749	745	746	749	740	745	746	746	728	741	746	747	739	734	738	735	733	735	736	742
18	Q	740	746	746	748	747	748	749	749	746	739	715	725	747	755	753	751	748	737	731	734	739	741	743	745	743
19		733	741	745	745	744	743	744	745	743	728	721	718	746	753	754	752	747	745	741	742	743	745	745	744	742
20		735	744	748	749	750	751	752	750	738	718	596	666	658	454	548	765	747	720	708	713	719	720	746	744	706
21		761	748	747	750	750	749	757	745	725	672	687	743	754	745	741	733	753	750	740	737	730	731	728	733	738
22		733	742	747	743	750	747	746	747	740	738	741	740	742	744	741	746	744	742	739	736	738	742	743	744	742
23		739	741	742	738	741	741	743	734	741	743	743	738	724	743	748	743	734	729	725	727	732	736	734	738	737
24	Q	739	745	749	750	751	749	749	749	748	745	746	748	747	747	753	753	747	737	729	721	714	729	739	742	743
25	Q	745	749	751	752	752	750	750	750	747	752	752	754	756	756	756	752	743	735	731	731	737	742	748	753	748
26		748	746	749	748	745	743	740	740	739	744	738	754	761	760	759	754	747	734	726	717	720	730	737	743	743
27	Q	746	755	758	758	758	757	756	754	756	750	751	752	748	751	757	756	752	744	742	740	738	745	751	746	751
28		742	753	761	761	762	760	759	758	746	751	764	764	761	761	769	762	758	746	737	732	729	735	746	748	753
29		752	756	760	763	760	763	767	754	750	748	738	742	752	753	749	758	756	740	736	736	729	724	742	754	749
30																										
31																										
Mean		742	751	751	757	758	754	746	735	708	671	699	716	708	691	727	744	744	737	733	730	733	737	743	744	732

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook D = 25° E + . . .′ February 1944

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	20.9	22.0	23.9	26.2	26.0	26.8	26.7	26.6	26.4	26.0	25.9	25.8	24.5	24.9	26.9	29.2	31.4	29.8	27.9	27.3	24.1	21.9	21.3	22.0	25.6
2	23.0	24.0	25.1	24.8	26.6	26.7	27.9	30.1	35.4	29.4	26.6	27.9	27.0	26.6	28.4	29.4	29.6	28.3	26.6	25.2	24.1	22.0	20.4	22.1	26.6
3 Q	22.9	24.1	24.8	25.2	25.1	26.2	26.2	26.1	25.7	25.9	24.6	25.6	24.9	24.7	25.6	26.8	28.8	27.1	25.8	24.9	24.7	24.4	24.1	23.5	25.3
4	23.4	24.8	24.2	24.9	24.3	25.5	27.8	25.2	25.0	24.8	27.1	25.0	29.1	29.3	26.4	25.0	28.1	25.0	23.8	22.6	22.9	22.4	23.5	24.7	25.2
5	24.4	24.8	24.9	25.1	25.4	29.2	31.5	25.5	25.3	24.8	24.9	24.9	24.0	25.0	27.1	28.5	29.6	29.1	26.7	24.0	22.4	20.7	21.8	23.4	25.5
6	24.0	24.7	25.0	25.4	25.5	27.0	28.9	25.9	25.6	25.7	24.8	23.8	23.7	24.7	26.0	26.8	28.1	28.2	27.8	26.3	24.5	23.3	23.5	22.9	25.5
7 D	23.0	23.5	24.4	24.8	24.7	23.8	30.3	28.9	28.6	44.0	31.8	28.5	51.1	54.7	32.5	30.0	29.5	24.7	25.4	22.0	19.8	24.7	25.2	19.0	29.0
8 D	25.5	35.2	25.2	28.6	42.0	35.5	39.3	29.7	22.1	23.9	20.5	27.7	26.3	23.7	22.7	25.6	26.4	26.2	28.6	23.6	26.4	25.7	22.9	23.5	27.4
9 D	24.4	24.9	25.9	26.0	26.2	34.8	45.2	34.5	25.9	18.5	19.0	33.2	26.2	19.2	24.6	29.1	25.8	26.8	23.6	23.7	23.6	22.1	23.5	24.8	26.3
10	24.9	24.7	26.3	39.6	48.2	27.0	36.0	19.7	22.4	23.8	49.2	25.1	27.8	26.7	23.7	26.5	24.2	24.0	23.2	26.4	24.7	22.2	23.3	25.0	27.7
11	25.0	25.6	33.7	35.8	31.4	29.4	25.0	24.2	24.6	13.1	31.9	30.6	34.1	27.4	25.3	23.1	24.5	25.7	22.5	22.6	20.4	20.8	22.7	23.6	26.0
12	25.1	25.2	26.4	41.9	30.1	28.5	31.0	09.6	26.3	26.9	22.7	26.1	26.4	22.3	18.4	27.6	28.9	29.5	27.7	23.5	21.8	21.5	21.9	24.5	25.6
13	25.6	25.6	26.4	26.2	25.9	25.2	28.2	24.8	18.1	21.1	26.4	26.4	25.5	24.1	28.8	31.4	28.8	23.7	22.2	21.0	22.0	22.3	20.2	20.3	24.6
14 D	24.4	30.4	23.3	23.0	30.2	34.5	10.2	18.6	39.3	15.9	13.4	44.4	34.5	35.6	30.0	28.0	31.0	28.2	25.0	23.1	23.4	25.3	24.2	24.0	25.3
15 D	21.6	25.1	33.4	32.9	29.2	28.4	25.6	20.8	21.0	15.3	16.7	11.5	15.1	24.0	24.3	27.7	25.0	22.5	21.4	19.9	22.6	22.9	24.8	23.3	23.1
16	22.8	25.8	24.6	25.2	25.8	29.3	21.3	21.5	24.7	23.0	17.5	28.7	27.2	28.1	27.4	26.0	25.2	26.3	25.8	25.0	24.9	24.9	24.3	24.2	25.0
17	26.2	24.1	24.2	24.2	24.7	25.2	25.8	26.0	27.3	23.5	25.6	26.2	25.2	23.6	22.1	26.3	28.2	27.6	26.1	25.0	23.7	23.5	23.5	24.0	25.1
18 Q	24.2	23.3	23.6	24.2	24.4	24.9	24.9	26.3	25.1	23.6	21.0	23.3	23.7	26.2	26.6	28.2	29.6	28.9	27.2	25.4	24.2	24.7	24.8	24.8	25.1
19	24.9	24.5	24.4	25.0	24.8	24.3	24.9	25.1	28.9	29.6	27.4	21.4	28.3	29.4	28.1	27.4	26.6	25.3	24.4	24.2	24.4	24.4	24.6	24.0	25.7
20	23.6	23.4	22.7	23.9	23.9	24.2	23.9	23.9	26.0	27.8	49.3	36.3	37.6	39.9	32.9	31.7	29.5	26.9	25.0	21.1	19.1	19.6	20.1	20.6	27.2
21	23.5	20.6	24.2	24.9	32.7	27.4	23.4	24.8	24.9	26.8	24.2	28.9	26.9	27.0	27.2	27.1	29.7	28.6	27.8	25.8	23.9	23.4	23.3	21.4	25.8
22	22.3	22.6	22.0	22.8	24.3	24.4	23.9	23.2	26.9	25.1	27.5	27.6	28.3	27.2	27.7	27.1	28.6	27.5	25.1	23.5	24.0	23.7	23.9	24.2	25.1
23	24.2	23.3	24.0	24.3	24.4	25.8	30.6	24.5	26.0	24.6	24.7	25.4	23.2	27.1	28.8	30.0	29.8	27.4	22.1	20.4	20.8	21.3	22.5	22.6	24.9
24 Q	22.8	23.3	24.1	26.1	26.1	24.8	24.0	23.9	25.0	25.7	25.0	25.6	26.1	26.2	28.1	28.8	28.8	27.9	25.8	24.0	21.3	20.8	21.7	22.3	24.9
25 Q	22.8	23.0	23.3	21.9	23.9	24.3	23.8	23.6	22.1	25.9	25.7	26.3	26.5	26.7	26.9	27.6	27.8	27.1	25.3	22.5	21.2	21.1	22.2	22.5	24.3
26	22.4	23.4	23.5	23.8	24.0	24.3	26.4	23.2	25.5	27.7	26.6	27.6	27.1	27.1	27.8	28.4	28.8	26.9	25.1	23.3	22.2	20.8	21.8	21.5	25.0
27 Q	21.5	20.6	22.2	23.5	24.3	24.1	23.9	25.0	25.5	25.2	26.7	26.4	25.0	26.1	27.8	28.1	27.3	25.2	22.4	21.3	21.2	21.1	22.0	22.1	24.1
28	22.4	22.1	23.0	23.4	23.5	23.4	23.5	24.3	24.2	24.5	24.8	25.9	26.4	23.7	26.8	27.1	28.1	27.4	26.0	23.4	20.1	19.3	19.6	21.1	23.9
29	21.6	23.1	23.6	23.3	24.2	33.0	25.8	23.5	27.8	26.8	27.9	29.1	29.4	27.6	28.2	26.0	27.2	25.9	25.5	24.8	21.8	20.8	21.7	21.4	25.4
30																									
31																									
Mean	23.6	24.4	24.9	26.4	27.3	27.2	27.1	24.4	25.9	23.7	26.2	27.1	27.6	27.5	26.8	27.7	28.1	26.8	25.2	23.6	22.8	22.5	22.7	22.9	25.5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook $Z = 59,000\ \gamma +$ February 1944

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	212	223	208	202	196	195	194	190	188	186	180	182	179	187	193	194	187	186	188	189	189	189	189	193
2	190	195	196	209	221	214	230	225	133	162	185	184	185	186	195	196	195	185	186	187	190	193	193	193	193
3 Q	192	195	195	195	194	193	190	188	187	186	180	182	185	189	189	189	187	186	188	192	193	193	192	190	190
4	189	184	186	190	202	218	211	196	186	185	172	158	165	174	186	197	187	185	186	187	189	187	187	189	187
5	185	185	184	185	186	192	190	192	188	185	184	176	176	183	187	186	185	184	184	187	183	183	187	193	185
6	188	183	184	185	186	188	183	183	180	180	180	181	181	182	185	185	186	185	186	186	186	186	187	185	184
7 D	180	179	177	177	176	185	234	208	142	080	-61	119	214	-09	-28	142	220	182	217	199	237	261	229	221	162
8 D	295	251	221	218	247	175	196	148	113	131	089	161	147	136	177	174	180	196	222	207	235	255	224	204	192
9 D	197	195	195	194	195	204	153	142	086	076	039	-46	-47	043	131	188	211	193	204	212	209	197	202	196	149
10	196	197	208	241	222	208	156	083	124	115	-08	149	168	177	198	190	188	198	200	215	214	202	201	196	177
11	201	223	225	234	238	207	188	099	063	-94	-01	009	100	169	190	172	173	182	190	193	196	204	199	204	157
12	200	215	224	243	228	207	186	165	167	176	131	149	158	126	115	162	171	187	189	189	189	193	192	190	181
13	183	184	185	184	184	185	182	112	146	153	174	181	184	168	182	172	174	173	172	173	182	192	201	218	177
14 D	220	293	244	228	146	057	085	053	196	083	-25	091	203	072	146	201	196	197	197	196	206	212	198	201	162
15 D	206	210	239	216	216	215	197	159	163	063	057	-06	-39	107	173	199	181	185	216	209	227	225	228	222	170
16	199	193	186	190	195	198	154	086	153	117	099	133	180	175	176	192	189	189	189	194	199	201	206	202	175
17	197	193	190	189	189	189	189	187	175	172	180	185	183	168	177	175	180	184	186	193	192	193	194	194	186
18 Q	193	187	188	188	186	187	186	186	185	172	136	130	165	183	186	187	187	186	185	185	185	186	186	185	180
19	184	186	186	186	186	186	186	185	154	120	130	129	177	184	183	183	183	183	183	185	186	187	189	189	176
20	187	189	189	189	189	189	189	190	188	093	004	104	118	018	-23	132	185	175	184	199	197	195	208	218	154
21	244	214	202	207	218	207	223	197	177	121	073	151	182	184	185	182	197	196	196	196	197	200	206	202	190
22	202	203	212	214	210	211	213	212	202	195	186	187	187	190	188	190	190	189	189	192	193	195	196	197	198
23	197	196	197	201	199	195	170	162	171	190	192	188	168	177	190	188	188	188	186	188	192	193	197	197	188
24 Q	196	196	196	198	200	204	200	197	196	195	192	190	189	187	188	190	190	189	189	189	189	189	189	189	193
25 Q	186	187	192	198	199	197	196	192	190	192	192	190	189	188	188	189	189	189	190	189	189	190	190	190	191
26	189	187	188	188	188	193	204	200	190	171	131	165	190	188	187	185	184	184	184	183	182	182	183	182	184
27 Q	175	181	181	181	180	180	181	182	181	175	172	174	165	169	169	172	172	172	172	177	181	182	182	182	177
28	179	170	169	169	169	168	167	167	147	135	168	165	161	159	163	167	168	168	169	169	169	168	167	165	165
29	163	158	159	161	169	190	183	179	158	147	151	157	169	169	169	166	159	160	167	170	176	180	182	181	168
30																									
31																									
Mean	197	198	197	199	197	191	187	168	163	140	120	142	158	152	163	181	186	185	189	191	195	197	196	195	179

Table 8 Meanook — February 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	13	769	19	31	713	56	16	12	32.9	22	24	20.8	12.1	02	35	230	13	10	168	62
2	08	04	803	08	32	665	138	08	08	52.5	05	11	08.3	44.2	05	30	253	08	27	056	197
3 Q	01	52	751	10	32	724	27	16	13	29.4	10	32	21.1	08.3	01	55	197	10	38	167	30
4	15	01	778	18	53	730	48	16	42	31.0	19	53	19.5	11.5	05	25	229	11	31	147	82
5	14	08	766	19	43	719	47	06	21	36.2	21	41	19.1	17.1	05	36	203	11	45	166	37
6	06	09	765	00	16	726	39	06	10	33.4	23	23	21.9	11.5	05	36	194	10	10	174	20
7 D	07	03	845	12	38	-146	991	12	14	87.1	13	17	-47.3	134.4	12	41	754	14	07	-155	909
8 D	04	51	894	13	48	515	379	04	54	61.6	05	17	10.7	50.9	00	42	315	10	33	050	265
9 D	07	25	836	13	00	314	522	06	59	58.4	13	42	01.3	57.1	06	07	248	13	00	-166	414
10	10	24	907	03	35	268	639	10	04	86.8	07	10	11.2	75.6	03	39	368	10	29	-140	508
11	12	50	805	09	44	321	484	11	59	51.1	09	42	-5.3	56.4	01	47	266	09	40	-203	469
12	15	25	797	14	11	614	183	03	26	49.6	14	18	12.4	37.2	03	06	271	14	16	072	199
13	07	15	804	23	33	663	141	07	07	44.7	09	09	13.7	31.0	23	47	257	07	38	061	196
14 D	01	40	1090	08	32	-441	1531	09	11	87.1	10	06	-37.5	124.6	01	36	466	09	40	-334	800
15 D	15	19	787	12	24	331	456	02	47	43.3	10	53	01.7	41.6	02	48	263	12	25	-112	375
16	23	06	763	07	04	452	311	05	56	34.5	07	02	03.7	30.8	06	25	214	06	50	-006	220
17	08	11	763	13	43	703	60	08	04	29.8	14	37	20.8	09.0	00	01	209	13	47	143	66
18 Q	07	49	757	10	49	689	68	16	19	30.8	10	46	17.3	13.5	00	01	194	11	10	107	87
19	08	30	764	11	05	669	95	08	51	63.6	11	11	15.7	47.9	22	23	190	11	07	091	99
20	15	49	789	13	51	309	480	10	23	58.8	14	13	12.4	46.4	24	00	250	14	25	-101	351
21	00	56	779	10	11	607	172	04	27	36.8	01	14	17.3	19.5	00	03	268	10	23	007	261
22	00	31	761	08	03	731	30	16	09	30.5	03	01	19.5	11.0	07	19	225	10	10	183	42
23	13	37	753	12	21	707	46	06	46	32.6	20	00	19.6	13.0	03	30	204	07	51	145	59
24 Q	15	37	755	20	16	709	46	04	11	31.1	21	00	20.2	10.9	04	05	208	14	20	181	27
25 Q	07	53	762	18	50	727	35	17	04	28.3	08	10	16.4	11.9	02	36	200	15	15	186	14
26	12	03	765	19	40	714	51	06	09	32.6	21	59	20.4	12.2	06	35	210	10	26	120	90
27 Q	07	53	765	18	41	734	31	07	54	30.1	21	21	20.2	09.9	06	10	188	12	35	153	35
28	14	00	774	08	46	725	49	16	49	32.1	21	49	18.4	13.7	00	10	180	09	40	107	73
29	07	54	791	21	15	719	72	05	39	41.8	06	41	15.8	26.0	06	55	223	09	22	128	95
30																					
31																					
Mean			798			549	249			44.8			10.7	34.1			258			048	210
No. days			29			29	29			29			29	29			29			29	29

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 9 Meanook H = 12,000 γ + March 1944

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	749	757	756	752	753	763	735	699	752	759	757	756	757	759	758	756	749	742	738	739	742	746	752	750	749
2		753	758	742	758	755	749	748	745	745	742	741	729	728	705	726	750	744	734	727	723	719	738	739	743	739
3	Q	750	757	749	748	750	756	755	757	761	757	757	757	766	763	760	757	750	742	740	742	750	755	761	760	754
4		755	758	767	755	756	767	749	438	650	203	593	642	246	675	767	758	749	741	735	741	743	748	745	744	676
5		749	749	748	740	739	742	742	744	749	750	749	754	753	752	731	723	717	721	721	726	732	741	756	754	741
6		747	748	748	800	750	755	740	738	704	392	398	652	698	741	734	751	740	734	707	674	717	735	729	753	704
7	D	754	753	780	752	765	745	550	644	509	629	579	622	559	642	559	491	671	732	725	725	730	745	742	732	672
8		747	755	762	762	764	766	763	721	742	746	729	695	563	739	764	761	740	701	676	741	739	753	750	749	734
9		738	721	746	754	757	769	752	747	757	728	710	351	618	724	708	700	709	689	724	721	728	734	741	744	711
10	D	751	768	774	724	766	774	737	344	354	470	594	305	373	608	629	676	757	719	685	704	710	727	746	753	644
11		751	753	760	754	757	735	709	752	729	514	588	750	772	762	764	756	754	735	701	702	726	743	749	748	728
12		747	733	747	763	752	761	761	714	710	541	676	724	764	750	672	553	694	714	719	726	743	736	748	761	717
13		750	765	766	746	758	767	751	737	699	597	628	695	633	577	700	716	747	745	738	731	733	734	741	744	717
14		762	754	749	768	781	759	737	719	667	562	677	724	750	756	753	757	752	739	733	732	744	751	745	747	734
15	Q	748	750	754	756	751	739	750	749	752	753	752	754	752	755	759	759	750	735	726	727	732	736	736	746	747
16		754	735	749	747	763	757	738	744	747	746	724	672	721	754	751	745	732	733	733	729	729	733	739	741	738
17	Q	740	744	746	748	748	749	749	750	751	752	754	748	756	756	754	752	745	734	728	728	731	738	742	749	746
18		751	747	750	750	754	756	761	760	760	763	764	766	771	772	770	767	766	745	733	732	729	743	743	748	754
19	D	821	935	1061	959	893	777	751	753	740	736	695	466	688	730	721	747	752	744	727	727	731	738	725	745	765
20		735	749	731	736	739	741	746	686	695	700	728	692	710	753	750	746	744	731	721	723	732	735	749	746	730
21		740	738	747	750	751	747	745	745	744	749	750	750	749	749	747	742	730	726	722	719	727	731	744	744	741
22		750	748	754	782	848	846	823	783	761	765	754	702	613	775	779	769	758	743	742	734	737	740	739	740	758
23		750	751	751	754	751	752	747	743	710	750	737	720	751	758	757	750	735	721	713	722	728	735	733	733	740
24	Q	750	746	743	740	733	728	732	739	749	760	762	760	752	751	758	761	760	755	757	754	756	756	756	755	751
25		745	753	759	759	759	752	751	750	751	749	740	762	769	771	778	774	766	743	721	718	726	728	744	748	751
26	D	749	754	802	873	927	910	756	399	450	589	483	406	341	685	782	763	745	753	751	760	764	766	770	796	699
27	D	846	932	876	928	863	846	863	373	409	215	165	676	708	771	749	717	753	740	741	746	745	761	755	747	705
28		743	750	754	754	752	748	749	751	736	690	715	731	719	749	742	715	726	729	726	713	741	736	769	782	738
29		803	850	848	744	761	730	672	639	592	633	528	682	772	747	717	697	711	704	719	730	731	734	741	760	719
30		750	794	765	746	756	781	706	710	751	741	730	734	741	735	725	731	749	720	723	724	731	747	752	751	741
31		751	740	745	746	764	754	757	752	644	652	694	700	723	768	757	752	747	743	738	736	736	734	742	741	734
Mean		756	766	772	769	771	765	743	688	686	649	666	673	678	733	736	726	740	732	725	727	734	741	746	750	728

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook $D = 25° E + \ldots'$ March 1944

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	20.9	21.8	20.7	20.7	20.1	21.0	16.1	19.9	26.6	24.3	24.0	24.9	24.7	25.3	26.7	27.3	27.1	26.4	24.5	22.3	21.3	20.6	20.4	20.5	22.8
2	19.1	20.3	22.2	24.8	37.6	27.8	23.8	23.5	24.9	25.8	25.9	28.0	26.9	26.3	24.0	27.6	28.8	29.0	26.5	24.0	22.1	21.0	20.8	21.2	25.1
3 Q	22.3	22.5	24.6	24.2	23.2	24.1	25.4	27.9	23.0	24.7	25.4	25.6	26.2	26.4	26.8	27.1	27.0	26.2	25.3	23.5	22.3	22.3	22.5	23.2	24.7
4	22.9	22.3	21.4	22.4	20.6	22.9	21.8	09.4	30.2	44.9	45.2	43.6	45.5	49.2	32.5	27.0	27.3	26.5	23.1	20.8	21.5	21.9	21.9	23.7	27.9
5	24.5	24.4	24.4	25.9	25.1	23.7	23.6	23.6	26.6	24.6	23.1	26.4	27.6	26.8	26.4	25.4	21.7	24.3	20.6	20.1	19.5	19.8	18.9	20.0	23.6
6	20.1	21.2	22.8	41.4	27.1	27.2	32.0	25.4	25.0	03.8	23.0	25.2	28.3	28.9	26.8	27.6	25.6	28.1	23.5	25.9	22.7	21.8	21.8	23.3	24.9
7 D	23.6	23.1	28.1	31.8	24.8	33.5	11.0	16.3	-11.0	29.1	22.1	22.1	15.8	20.2	19.0	08.4	17.5	23.2	24.5	23.8	22.6	22.3	22.1	22.9	20.7
8	22.6	24.2	24.3	25.4	26.3	38.4	25.5	23.0	22.2	23.3	23.6	26.8	14.7	24.9	29.5	29.4	26.5	20.0	17.3	20.8	18.6	20.5	22.4	23.2	23.9
9	21.1	25.2	29.5	24.3	37.6	39.2	25.8	29.3	28.9	27.3	24.7	09.1	20.1	26.7	27.4	26.6	25.8	26.6	25.1	23.2	22.6	22.0	22.3	25.6	25.7
10 D	24.1	21.1	26.2	43.6	33.4	38.7	18.2	07.3	19.5	42.1	31.6	45.3	06.0	26.0	20.6	20.2	34.0	31.5	27.2	21.9	18.4	20.4	23.4	23.8	26.0
11	23.1	23.6	23.9	27.3	28.8	25.4	21.0	28.4	26.4	14.4	22.7	29.8	24.9	26.5	27.8	28.3	28.3	29.3	22.3	18.1	19.3	20.2	21.3	21.9	24.3
12	19.6	25.2	24.4	26.4	39.3	41.6	26.9	20.8	25.8	17.3	24.7	28.3	26.0	25.5	23.5	08.5	17.5	19.5	23.2	22.3	24.9	23.8	26.0	22.3	24.3
13	25.9	24.1	45.2	27.1	27.8	23.1	23.2	31.0	23.0	22.4	18.6	18.5	24.6	18.9	24.0	27.1	28.6	30.4	26.9	23.2	22.3	21.9	22.1	22.1	25.1
14	22.2	21.8	23.1	26.6	40.6	29.1	24.9	22.3	22.1	18.2	19.2	28.8	26.4	25.0	26.4	28.6	28.5	26.7	25.4	23.0	21.4	22.2	22.1	22.4	24.9
15 Q	23.3	23.8	23.8	24.0	25.9	31.7	27.6	26.0	24.3	24.2	24.7	24.6	23.9	25.0	27.0	29.2	30.5	30.9	29.5	26.1	22.7	20.2	19.3	18.8	25.3
16	19.2	22.8	22.0	28.3	29.8	28.1	23.6	26.0	26.2	27.3	27.9	27.9	29.2	23.5	27.8	28.9	29.1	26.9	26.9	24.6	23.4	23.0	22.5	22.5	25.7
17 Q	22.3	23.4	23.5	23.9	23.8	24.0	24.1	24.2	24.1	24.2	24.7	22.6	26.1	26.4	27.9	29.2	29.4	29.1	27.3	24.9	22.4	21.0	20.8	21.3	24.6
18	22.2	22.7	23.4	23.3	23.3	23.1	23.1	23.5	24.0	24.1	24.7	24.6	25.3	26.0	26.9	29.1	29.3	30.0	23.3	23.7	16.8	12.4	12.8	15.4	23.0
19 D	10.9	12.6	22.1	15.6	25.8	27.0	25.6	26.6	25.8	26.8	28.1	17.4	25.9	28.3	26.8	26.9	31.0	28.8	26.8	23.8	22.0	20.2	16.9	15.5	23.2
20	24.5	20.2	23.0	24.2	24.8	26.3	25.3	26.2	35.0	28.9	31.0	24.4	24.0	28.4	30.0	31.2	30.3	30.0	26.5	21.6	20.1	19.5	19.6	19.6	25.6
21	19.7	21.9	20.4	22.2	27.4	23.2	24.2	24.0	25.0	25.2	25.6	25.2	26.4	27.9	27.8	30.3	28.2	26.0	24.2	19.6	18.1	15.8	18.6	22.1	23.7
22	23.5	22.2	23.4	22.3	15.4	17.5	23.0	18.7	25.3	28.0	29.2	27.4	29.1	36.6	30.7	31.8	31.8	28.3	22.6	22.0	21.1	21.1	22.1	23.0	24.8
23	23.3	23.6	23.7	23.3	23.7	29.9	30.8	26.3	24.8	28.0	23.8	20.5	25.4	26.8	29.2	29.4	29.1	28.6	23.3	21.8	18.7	19.7	20.0	21.0	24.8
24 Q	22.2	22.0	21.0	20.4	20.3	21.8	25.1	28.1	30.0	29.5	29.8	27.9	25.5	23.3	24.0	26.4	26.3	24.3	23.7	23.8	23.8	24.1	23.5	23.5	24.6
25	23.3	22.5	22.6	23.3	23.2	23.6	23.1	25.1	26.1	30.0	29.4	26.9	26.3	27.3	31.3	33.5	37.5	32.7	24.2	21.4	17.5	17.2	16.3	19.1	25.1
26 D	19.4	20.6	19.2	36.5	29.8	17.4	20.0	07.3	42.9	29.3	34.2	40.4	41.2	38.6	40.7	35.9	32.8	29.8	25.9	22.5	19.9	18.0	18.1	20.5	27.5
27 D	27.9	34.4	20.9	53.8	70.9	25.4	17.0	30.6	18.6	-26.5	15.5	26.9	32.6	27.4	30.5	34.0	30.7	28.9	29.0	26.9	26.8	25.6	22.9	22.7	27.2
28	24.2	24.2	25.0	25.2	27.8	28.6	29.1	27.6	25.4	31.0	34.8	26.7	20.4	25.4	29.3	31.0	29.2	24.5	22.2	18.4	19.9	18.3	17.4	15.7	25.1
29	13.2	19.5	20.8	19.0	21.8	46.2	31.6	30.8	31.5	34.9	15.2	35.1	26.4	28.0	29.8	30.0	30.7	27.3	26.1	24.2	21.9	19.4	17.6	16.5	25.7
30	15.3	20.6	22.1	23.0	23.5	23.1	21.3	25.9	28.4	27.1	26.7	28.0	29.3	27.8	26.4	28.1	29.3	28.8	24.4	22.4	20.9	20.1	17.5	18.9	24.1
31	20.3	18.4	18.3	28.3	31.0	24.1	25.0	25.6	23.9	26.7	26.0	30.8	32.2	25.1	26.9	29.1	29.7	29.8	28.2	26.0	23.4	20.5	19.4	19.9	25.4
Mean	21.5	22.5	23.7	26.7	28.4	27.6	23.8	23.6	25.0	24.5	26.0	27.1	26.0	27.4	27.6	27.5	28.4	27.5	24.8	22.8	21.3	20.5	20.4	21.0	24.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Meanook $Z = 59{,}000\ \gamma +$ March 1944

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	189	189	194	201	223	246	180	124	172	179	187	190	191	190	189	189	187	186	184	182	185	191	193	196	189
2	197	205	201	217	228	225	205	193	192	183	162	142	160	150	173	194	196	196	194	196	209	199	191	188	192
3 Q	187	194	196	196	196	196	196	168	187	187	187	185	185	185	186	186	186	186	185	186	189	190	189	188	188
4	187	184	186	186	198	228	193	-152	-36	-177	037	-01	055	035	138	174	180	187	193	197	198	198	206	206	125
5	203	196	197	202	200	194	191	190	189	144	177	188	188	188	176	174	161	172	186	193	197	203	207	204	188
6	213	229	239	295	216	211	137	123	100	-70	-29	088	152	185	188	204	198	206	196	225	230	224	209	209	174
7 D	217	216	299	246	229	100	-17	-11	-03	095	103	100	053	089	020	021	156	186	189	193	196	200	197	202	136
8	216	212	213	210	217	192	185	134	117	145	161	130	062	123	168	186	187	185	198	227	209	205	205	201	179
9	211	239	247	215	213	182	207	144	129	122	138	-33	025	101	142	172	251	239	210	229	228	224	220	239	179
10 D	216	206	224	230	174	169	152	-67	-85	-74	130	098	050	014	070	156	197	194	230	230	215	229	256	227	143
11	216	205	215	217	221	136	125	143	139	-103	-29	082	193	196	203	199	196	193	204	209	212	209	212	211	167
12	218	217	217	230	233	209	196	117	086	-55	067	132	186	193	124	086	134	174	202	219	237	219	235	227	171
13	250	221	233	223	199	150	161	176	150	069	120	130	088	088	156	191	204	207	202	203	205	205	203	200	176
14	206	192	198	233	182	170	057	037	060	067	086	124	171	191	194	197	196	196	198	203	204	205	204	205	166
15 Q	204	197	197	197	205	214	206	196	193	192	191	191	187	188	192	194	194	193	194	193	196	201	204	206	197
16	230	210	217	248	239	191	189	185	162	159	120	162	176	174	185	192	190	189	192	193	196	198	199	201	192
17 Q	196	194	193	192	190	190	190	190	190	189	187	178	178	192	193	192	192	191	192	194	193	193	191	187	190
18	186	186	187	186	185	185	185	185	185	185	184	184	184	184	185	185	184	183	183	188	198	210	228	251	191
19 D	316	320	-09	260	288	255	231	215	198	191	165	123	105	157	166	199	198	198	204	204	214	229	225	259	205
20	226	206	206	199	199	196	193	060	075	090	123	134	149	180	193	190	191	192	198	201	204	203	209	209	176
21	207	204	212	227	243	231	209	199	198	193	192	191	189	190	191	190	186	183	185	187	194	196	204	204	200
22	200	200	227	247	268	278	230	228	211	209	199	124	071	165	192	198	194	188	200	201	202	205	204	198	202
23	196	190	188	189	191	217	207	180	131	150	171	148	172	188	189	189	186	185	188	198	204	207	209	196	186
24 Q	197	196	198	198	196	194	192	192	193	197	191	186	169	164	178	176	184	186	189	189	189	190	190	191	189
25	191	190	191	190	193	196	201	196	183	153	150	183	193	194	196	193	188	183	178	184	186	192	206	213	188
26 D	214	209	225	291	237	289	088	-96	-26	128	120	109	109	106	160	199	185	185	187	193	189	185	183	203	161
27 D	250	196	271	047	071	093	-63	-07	379	-74	007	109	133	207	206	191	205	199	210	215	215	220	211	210	154
28	212	210	209	204	199	198	196	198	188	076	086	164	170	193	197	179	174	183	185	188	202	216	256	252	189
29	272	284	311	272	239	128	137	162	-42	091	-04	075	189	188	176	175	185	185	200	213	224	214	212	219	179
30	228	285	242	218	235	250	093	109	180	169	165	164	173	174	176	174	186	187	196	197	200	207	213	242	194
31	232	210	212	217	194	204	207	187	067	049	117	086	120	194	197	198	198	197	197	196	193	197	203	209	178
Mean	216	213	211	216	210	197	163	126	131	099	125	131	143	160	171	179	189	191	195	201	204	205	209	211	179

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook — March 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	07	55	787	07	02	595	192	07	43	31.5	06	50	-6.7	38.2	05	31	255	06	48	032	223
2	04	27	784	13	26	688	94	04	23	43.8	01	12	17.7	26.1	03	58	264	11	40	125	139
3 Q	01	41	777	17	56	736	41	06	59	32.2	04	02	21.4	10.8	06	38	204	07	32	141	63
4	14	12	799	09	34	-114	913	09	39	118.8	07	27	-34.2	153.0	12	16	299	07	13	-310	609
5	23	00	820	16	12	686	134	08	20	30.9	19	24	14.6	16.3	22	57	235	09	19	107	128
6	03	18	874	10	15	208	666	03	41	58.0	09	14	-7.9	65.9	03	05	347	09	31	-245	592
7 D	02	35	848	06	36	285	563	05	11	61.9	08	19	-45.4	107.3	02	35	369	08	18	-156	525
8	21	46	805	12	14	348	457	05	05	68.5	07	44	03.0	65.5	05	00	252	12	05	-70	322
9	08	02	785	11	26	093	692	05	02	76.6	11	42	-17.8	94.4	02	00	270	11	23	-142	412
10 D	04	29	1036	12	15	-163	1199	04	29	72.2	07	38	-47.8	120.0	04	27	368	09	13	-237	605
11	05	49	874	09	51	296	578	05	45	43.4	06	08	-2.0	45.4	04	38	233	09	48	-222	455
12	22	55	823	09	22	367	456	04	59	59.2	15	44	-1.4	60.6	03	55	269	09	20	-109	378
13	05	29	808	13	06	407	401	02	25	70.2	05	52	08.6	61.6	03	02	280	09	27	-07	287
14	04	19	811	09	45	456	355	04	11	54.0	09	35	11.8	42.2	03	29	267	06	45	-01	268
15 Q	03	27	764	19	06	717	47	05	11	40.4	22	06	17.3	23.1	05	25	218	12	22	182	36
16	05	14	815	11	39	640	175	05	16	43.5	06	16	18.7	24.8	03	23	276	11	10	077	199
17 Q	13	31	759	19	34	723	36	15	44	30.8	21	51	20.1	10.7	01	41	200	11	53	162	38
18	13	30	784	22	40	679	105	17	30	32.9	21	25	06.7	26.2	24	00	274	18	55	176	98
19 D	02	21	1440	11	25	355	1085	02	17	64.6	03	32	-34.6	99.2	00	30	379	02	34	-161	540
20	06	47	773	08	05	605	168	08	18	42.1	07	40	17.0	25.1	00	00	275	07	44	-20	295
21	22	40	760	19	46	715	45	04	01	35.4	21	29	14.2	21.2	04	47	253	18	10	180	73
22	04	41	897	12	23	575	322	13	13	50.4	04	31	-0.9	51.3	05	25	310	12	00	39	271
23	05	46	769	08	22	669	100	05	55	42.0	20	44	17.2	24.8	05	59	238	08	15	107	131
24 Q	16	03	775	05	54	722	53	10	24	31.8	04	30	19.9	11.9	03	00	201	12	52	156	45
25	14	00	784	19	26	708	76	16	16	38.9	19	56	13.4	25.5	23	35	217	10	16	131	86
26 D	04	51	1092	12	26	-31	1123	12	31	81.3	07	47	-91.6	172.9	12	10	434	07	35	-390	824
27 D	01	19	1445	06	45	-170	1615	03	38	86.9	09	45	-74.9	161.8	08	50	622	06	00	-455	1077
28	23	56	798	09	12	636	162	09	46	38.9	23	54	10.8	28.1	22	13	272	10	03	011	261
29	00	54	908	10	15	354	554	05	15	80.5	10	12	-35.0	115.5	02	45	351	08	22	-149	500
30	06	13	851	06	44	531	320	06	13	55.7	06	41	-11.8	67.5	01	44	320	06	43	-74	394
31	06	41	783	08	37	519	264	03	50	54.5	09	00	09.2	45.3	03	40	247	08	52	-50	297
Mean			865			446	419			53.9			-05.5	59.4			290			-38	328
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 1944

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		736	739	746	747	750	747	750	750	745	747	756	754	754	746	746	754	746	737	725	714	714	711	746	742	742
2	D	754	841	982	941	811	787	348	-104	170	298	149	149	474	715	748	748	750	733	700	716	748	748	760	767	614
3		744	740	764	781	744	749	746	623	631	705	746	750	746	744	738	752	745	742	725	739	742	746	749	740	735
4	D	748	740	736	736	740	718	791	701	701	675	351	425	633	697	709	701	735	721	721	717	718	736	732	748	693
5	D	731	738	745	749	741	766	734	735	671	556	621	620	743	759	753	710	692	707	692	698	713	732	741	743	712
6	D	745	751	741	748	752	751	728	517	431	001	137	667	751	706	739	494	733	709	716	701	720	741	756	748	645
7		769	775	768	747	740	741	738	721	643	726	751	759	728	738	758	758	744	726	698	685	718	764	767	774	739
8		759	748	749	747	748	745	743	746	748	747	740	628	369	720	751	744	724	722	717	724	732	742	748	748	720
9		744	743	742	743	743	742	749	747	747	752	754	754	752	752	754	750	738	730	726	724	729	730	715	704	740
10		716	737	756	756	813	783	823	473	284	409	604	516	695	684	755	742	755	747	747	743	738	741	759	738	688
11		740	747	738	747	743	747	759	747	747	753	751	757	750	747	747	749	731	709	708	726	735	719	748	746	741
12		767	693	663	756	766	753	751	757	751	750	747	756	735	756	753	751	739	730	735	732	732	735	739	736	741
13	Q	759	776	765	771	767	767	761	759	756	759	761	765	761	761	759	756	755	750	740	740	740	755	759	759	758
14	Q	764	741	746	747	749	753	755	755	757	755	757	757	760	759	758	753	747	738	729	729	731	733	736	735	748
15		733	746	748	750	748	752	760	760	760	760	761	758	763	774	774	773	758	760	744	764	758	742	733	735	755
16	D	742	759	812	746	750	745	657	203	-81	109	266	245	129	361	487	606	684	709	744	765	748	770	772	767	562
17		753	764	771	772	764	764	760	752	742	692	708	712	729	743	729	726	741	735	727	725	727	739	741	746	740
18		747	790	801	771	741	722	737	755	745	748	748	751	747	738	737	730	725	723	728	737	737	739	747	745	745
19	Q	739	739	742	746	747	746	746	749	749	754	750	753	753	750	733	725	733	732	736	737	737	741	746	749	743
20		742	741	748	742	746	754	752	750	743	740	718	752	750	749	751	740	730	723	726	731	733	736	740	739	741
21		744	746	748	747	743	747	749	752	758	759	754	726	691	759	761	752	736	729	720	721	730	742	746	748	742
22	Q	742	749	748	749	750	750	752	753	753	757	758	760	762	764	762	757	752	745	741	737	736	737	736	746	750
23	Q	745	751	751	751	752	753	756	751	757	758	758	759	766	766	767	759	756	745	744	740	740	740	740	738	752
24		739	832	820	820	835	881	590	736	641	765	815	794	786	782	778	767	748	740	752	757	761	773	778	784	770
25		801	785	781	791	770	775	777	766	766	773	775	775	773	770	769	755	751	737	733	749	764	775	785	796	770
26		806	798	792	779	783	756	751	779	779	781	785	775	777	771	762	753	733	726	750	766	768	760	762	777	770
27		778	789	786	795	784	778	753	732	753	753	706	690	761	772	768	748	730	729	733	742	748	761	753	768	755
28		790	807	805	795	810	816	799	763	648	775	790	782	786	768	753	753	747	757	768	759	759	757	765	765	772
29		767	779	781	789	788	821	792	674	756	779	777	785	747	737	752	752	768	758	762	762	767	767	758	771	766
30		767	773	781	773	788	688	760	566	-90	383	795	758	771	771	771	762	773	762	774	779	779	781	785	794	709
31																										
Mean		754	762	769	768	763	759	736	672	632	657	676	688	705	735	744	734	740	734	732	739	740	746	751	753	729

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 14 Meanook $D = 25° E + \ldots'$ April 1944

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	21.5	24.9	26.5	24.0	24.2	24.4	25.1	25.4	25.8	25.9	25.1	25.5	24.8	26.8	27.8	29.6	30.6	30.0	26.0	23.0	20.1	16.1	16.5	16.1	24.4
2 D	12.4	11.6	13.4	20.8	21.8	26.8	-1.0	27.8	47.0	24.6	34.8	70.1	57.6	43.5	30.1	33.5	35.7	28.8	25.9	21.5	20.3	19.0	18.8	19.7	27.7
3	20.3	22.9	32.0	31.2	46.2	26.5	27.3	16.7	22.3	24.6	27.0	27.9	26.1	26.4	31.7	32.5	31.3	28.9	28.5	19.2	20.3	21.3	20.8	22.8	26.4
4 D	25.2	24.4	23.2	23.2	23.1	41.1	30.3	30.9	27.1	25.5	36.2	43.5	39.9	36.3	32.8	29.2	27.6	24.0	23.5	19.4	17.3	19.3	19.9	22.9	27.7
5 D	23.2	22.6	26.8	35.6	31.1	32.7	25.3	25.2	22.5	25.9	24.9	17.0	28.5	31.2	34.0	32.8	33.5	27.3	25.8	18.9	18.3	21.1	22.7	24.0	26.3
6 D	26.0	29.7	26.0	28.8	28.3	21.8	27.1	08.8	34.0	47.2	22.2	26.4	29.8	30.9	28.1	30.0	32.0	25.9	25.5	21.5	18.1	19.5	21.2	24.0	26.4
7	24.2	23.5	28.2	24.8	24.4	23.9	24.4	27.4	16.5	33.4	27.1	26.6	23.5	27.8	32.5	34.9	32.6	31.4	25.3	20.1	22.4	22.1	22.2	20.4	25.8
8	24.9	23.9	28.2	24.4	29.8	25.3	23.2	23.2	24.4	23.8	24.0	21.5	15.6	24.5	30.5	31.9	30.3	27.9	27.1	21.0	21.8	20.7	21.4	22.2	24.6
9	22.7	23.8	24.4	24.1	24.2	27.9	28.8	26.8	26.3	24.9	24.9	25.1	26.6	27.7	29.8	30.7	31.2	28.0	27.1	23.6	23.3	20.2	14.5	18.0	25.2
10	18.9	20.8	21.2	29.5	45.1	23.5	27.3	17.0	43.6	37.2	34.9	28.3	26.1	28.5	28.1	32.7	31.9	29.5	26.0	22.0	21.0	20.2	20.2	20.0	27.2
11	21.9	22.1	34.9	21.6	23.2	23.6	27.5	21.5	20.3	27.2	27.6	25.3	26.8	26.9	27.8	29.7	28.9	23.5	21.3	19.6	21.7	20.9	21.1	20.1	24.4
12	20.3	30.9	27.2	21.5	21.8	26.1	35.6	24.6	26.2	25.7	25.2	23.7	23.4	26.1	27.3	28.0	29.1	29.0	27.3	26.2	24.3	23.3	22.4	21.7	25.7
13 Q	21.5	21.9	22.5	23.4	24.0	24.3	24.3	26.0	25.8	25.0	24.9	25.2	26.0	26.6	27.1	28.1	28.8	28.7	27.3	25.3	24.5	22.4	21.3	21.5	24.8
14 Q	22.0	22.3	22.6	23.2	23.3	23.4	24.0	24.8	25.0	24.9	25.0	25.1	25.9	27.3	28.8	29.2	29.9	28.9	28.2	25.7	24.5	21.6	20.8	20.4	24.9
15	21.2	22.2	22.8	22.7	23.0	22.7	22.7	23.2	23.7	24.9	24.9	24.5	28.6	30.6	30.9	33.1	33.2	31.9	27.7	27.9	20.5	15.3	17.1	19.7	24.8
16 D	22.0	22.5	30.5	35.8	32.0	31.7	37.3	67.0	38.5	48.7	29.5	44.7	42.3	33.5	41.8	30.6	30.6	27.1	16.1	17.2	17.1	18.9	17.4	15.6	31.2
17	17.5	18.8	24.3	30.7	24.1	24.6	22.0	23.0	23.6	20.5	27.4	31.9	32.1	34.3	31.5	27.9	28.0	28.7	25.3	23.5	21.9	20.1	18.8	17.9	24.9
18	15.6	21.4	20.0	20.5	20.7	20.5	19.0	24.2	23.3	25.3	24.6	24.5	26.1	27.4	27.5	26.7	26.0	24.4	20.4	19.8	20.3	20.6	20.3	20.2	22.5
19 Q	20.4	21.5	21.3	22.6	22.7	22.4	23.2	22.5	24.4	25.4	23.9	25.9	27.3	28.5	28.8	26.5	25.2	23.1	21.1	19.3	19.0	19.1	20.3	21.3	23.2
20	22.0	21.7	21.2	23.0	21.7	21.4	22.2	23.0	24.1	25.7	30.7	30.8	30.7	32.4	33.2	32.1	30.4	25.5	21.4	21.4	21.0	20.3	20.4	21.8	24.9
21	23.1	23.6	23.8	23.3	22.6	22.2	23.0	23.8	29.1	24.7	24.1	22.4	26.1	34.6	32.5	31.6	29.6	26.6	22.3	20.3	20.0	20.0	20.4	22.1	24.7
22 Q	23.0	23.8	23.7	23.6	23.4	23.1	23.2	24.6	26.1	25.1	25.6	25.3	26.8	28.5	30.2	30.5	30.0	28.2	24.1	21.4	19.2	18.2	19.1	21.1	24.5
23 Q	22.4	23.4	23.4	23.2	23.1	23.0	23.0	24.2	24.2	24.3	24.4	25.0	26.9	28.4	30.9	32.1	30.3	28.7	25.9	23.9	23.2	22.4	21.4	21.5	25.0
24	22.4	19.6	20.7	19.3	19.3	19.9	15.1	22.0	35.9	31.4	26.6	28.2	32.4	33.4	35.0	34.7	34.7	30.0	26.0	24.0	20.1	18.6	18.5	18.4	25.3
25	22.7	19.4	20.9	22.2	25.7	23.0	23.3	20.2	24.0	24.1	24.2	24.7	26.6	27.4	29.8	30.8	31.2	29.1	24.6	18.9	18.5	17.2	15.3	13.7	23.2
26	15.2	16.8	17.9	21.8	23.0	42.7	27.1	30.6	23.2	23.0	24.9	26.4	27.6	28.7	30.7	31.7	32.8	28.5	20.1	17.8	17.8	16.3	15.5	15.6	24.0
27	17.2	19.1	19.8	24.6	30.3	26.3	16.2	28.3	27.2	24.0	26.5	30.9	35.8	35.6	34.8	33.5	28.3	21.7	17.6	17.1	17.1	17.5	16.6	16.6	24.3
28	15.2	23.1	18.2	34.6	20.5	26.4	16.2	21.2	18.1	23.6	25.1	28.2	29.4	30.7	31.6	29.6	25.7	22.9	24.8	20.6	19.7	20.5	19.6	20.7	23.6
29	20.6	21.3	21.0	21.3	24.0	25.1	25.3	29.0	27.1	23.5	22.4	26.2	30.0	30.7	30.3	26.3	27.2	26.1	23.3	21.9	21.8	20.8	20.7	20.2	24.4
30	20.5	20.9	21.1	20.3	27.9	14.0	31.9	33.3	-4.2	14.1	29.3	30.7	28.8	31.1	29.7	27.7	26.7	24.7	20.0	20.1	19.8	19.4	19.4	19.9	22.8
31																									
Mean	20.9	22.1	23.6	24.9	25.8	25.3	24.0	25.5	25.8	26.8	26.6	28.7	29.3	30.2	30.9	30.6	30.1	27.3	24.2	21.4	20.5	19.8	19.5	20.0	25.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Meanook $Z = 59,000\ \gamma +$ April 1944

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	210	215	207	196	192	192	191	193	186	187	183	185	182	180	180	184	183	183	183	186	206	207	216	217	194
2 D	237	310	306	275	273	188	-45	-13	528	414	439	652	417	235	233	238	226	225	228	231	230	218	219	234	271
3	231	232	274	239	056	104	182	032	054	106	175	191	196	203	193	196	193	194	194	200	200	204	210	217	178
4 D	226	211	206	205	213	204	055	070	111	138	050	142	155	161	166	173	188	198	203	210	210	209	217	218	172
5 D	205	215	220	243	205	182	086	123	102	-33	008	-11	139	171	184	172	163	175	180	192	203	215	245	226	159
6 D	229	216	216	209	204	188	164	-53	-107	034	-60	027	155	138	203	176	183	198	199	215	217	218	217	215	150
7	213	224	282	221	202	199	201	124	-31	101	174	191	172	175	186	187	185	189	199	198	227	268	261	247	191
8	232	214	218	204	203	204	196	187	193	185	172	069	-53	098	173	194	197	201	203	201	213	216	206	198	180
9	198	196	196	196	198	203	183	187	191	191	193	194	196	197	196	193	192	191	190	193	203	215	224	234	198
10	216	209	214	223	133	159	207	037	-141	-23	110	101	149	134	202	198	205	198	191	194	196	196	203	204	155
11	217	240	220	192	190	193	163	144	147	159	180	186	185	184	171	175	174	171	186	192	198	207	223	218	188
12	241	288	237	211	207	210	193	170	141	153	166	179	171	186	189	192	192	192	192	192	194	194	192	190	195
13 Q	190	207	201	198	193	193	191	193	196	193	193	193	191	191	191	193	190	190	187	185	188	192	192	194	193
14 Q	183	189	188	187	187	187	186	185	183	176	183	179	184	182	182	185	188	186	182	182	177	178	179	177	183
15	177	184	183	180	179	182	183	183	183	182	180	150	150	163	165	171	174	172	171	164	171	182	206	185	176
16 D	157	179	244	231	212	185	074	-160	-137	-306	-209	-185	001	-250	-80	050	142	201	191	179	177	194	202	201	062
17	206	156	174	203	220	220	209	198	190	132	132	152	166	173	166	158	171	176	178	179	182	191	199	205	181
18	217	251	221	199	197	203	188	204	185	176	179	189	185	187	179	177	178	182	184	183	184	187	189	189	192
19 Q	188	198	187	185	186	190	191	187	188	188	178	172	161	155	168	163	163	171	169	176	177	184	186	186	179
20	186	190	198	200	209	203	194	192	184	185	141	171	174	173	172	169	171	171	173	174	180	183	186	182	182
21	190	185	187	188	185	184	182	184	184	185	179	141	068	134	170	178	177	176	176	175	179	184	185	183	173
22 Q	183	182	183	183	179	177	182	180	176	175	176	178	174	178	175	178	179	179	178	177	185	188	185	184	180
23 Q	184	182	178	177	177	177	178	178	177	177	175	175	177	176	176	174	174	176	174	172	176	180	182	182	177
24	182	176	176	183	201	168	109	213	120	185	204	190	185	185	185	184	182	174	172	174	178	186	192	202	179
25	239	214	185	187	190	185	182	159	131	161	169	173	180	174	177	178	178	176	176	177	180	183	188	202	181
26	211	209	205	210	190	168	131	141	176	150	172	172	177	173	173	172	170	166	173	166	172	176	182	191	176
27	196	206	205	227	163	192	131	144	142	142	036	018	096	153	159	159	156	157	157	165	182	198	198	199	158
28	198	240	216	193	212	224	171	130	016	131	173	178	183	175	163	160	161	161	165	172	174	183	188	183	173
29	179	187	187	198	235	258	228	045	131	184	187	183	161	145	164	174	185	186	182	183	187	188	185	192	181
30	193	192	199	196	207	-85	079	068	-28	-15	143	142	174	172	182	176	180	177	172	176	172	174	179	205	143
31																									
Mean	204	210	210	205	193	181	159	128	126	134	146	156	162	157	172	176	180	183	184	185	191	197	201	202	177

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook — April 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	30	761	21	45	687	74	16	59	32.9	21	39	10.7	22.2	24	00	241	14	34	177	64
2 D	03	53	1053	07	00	-298	1351	06	31	219.7	10	37	-75.2	294.9	10	50	1054	06	55	-574	1628
3	03	51	933	07	40	475	458	03	55	73.3	07	31	00.0	73.3	03	22	320	07	37	-85	405
4 D	06	25	870	10	40	102	768	06	26	81.7	20	16	13.6	68.1	05	28	238	10	39	-63	301
5 D	05	44	855	09	32	477	378	05	12	59.1	11	04	07.6	51.5	03	35	295	11	54	-74	369
6 D	12	15	799	09	25	-203	1002	09	40	103.2	07	04	-37.1	140.3	09	45	606	08	45	-213	819
7	02	45	832	08	07	605	227	09	26	39.0	08	33	07.3	31.7	02	14	312	08	29	-77	389
8	02	22	770	12	23	163	607	12	21	48.8	12	30	-3.9	52.7	02	08	244	12	33	-96	340
9	06	40	767	23	15	687	80	06	33	36.9	22	45	12.3	24.6	23	20	237	06	49	145	92
10	06	28	930	07	45	118	812	08	32	89.6	07	37	-1.4	91.0	03	59	271	08	00	-176	447
11	06	22	821	18	32	648	173	06	24	50.1	08	21	13.5	36.6	01	59	309	06	34	102	207
12	00	55	825	12	30	697	128	01	49	52.4	01	22	18.3	34.1	01	35	350	08	00	95	255
13 Q	01	50	797	19	30	735	62	17	11	29.2	23	38	21.1	08.1	01	40	217	19	30	176	41
14 Q	13	30	763	18	31	723	40	15	55	30.8	23	23	19.7	11.1	02	30	193	18	55	174	19
15	19	38	779	00	02	721	58	17	02	36.7	22	01	11.4	25.3	22	45	216	11	35	134	82
16 D	02	38	910	08	37	-486	1396	10	39	154.0	11	00	-28.3	182.3	11	02	737	08	15	-479	1216
17	02	40	799	09	46	645	154	02	54	39.4	23	49	16.2	23.2	04	45	239	09	45	079	160
18	01	27	822	05	31	710	112	13	20	28.5	06	23	14.1	14.4	01	30	279	09	15	161	118
19 Q	09	45	757	15	35	718	39	13	56	30.4	21	00	18.2	12.2	01	00	206	13	25	152	54
20	05	00	764	09	03	695	69	11	00	34.6	06	16	19.3	15.3	04	55	218	10	25	116	102
21	08	15	769	12	43	629	140	12	56	36.9	11	31	19.0	17.9	03	00	196	12	45	-06	202
22 Q	12	17	767	21	15	732	35	16	38	31.1	21	34	17.8	13.3	08	00	194	09	35	165	29
23 Q	12	25	768	23	22	732	36	15	36	33.2	23	47	21.3	11.9	12	40	185	19	00	171	14
24	05	50	910	06	54	014	896	08	27	45.5	06	51	03.9	41.6	07	10	350	06	42	-93	443
25	23	40	806	18	26	722	84	16	10	33.1	23	03	12.6	20.5	00	35	271	08	00	98	173
26	02	05	822	17	58	709	113	05	41	56.6	06	48	12.2	44.4	03	27	230	06	48	80	150
27	04	10	891	11	12	648	243	13	00	37.4	06	40	10.6	26.8	04	05	293	11	12	-46	339
28	06	27	858	08	12	609	249	03	50	50.3	08	02	-4.9	55.2	01	10	266	08	11	-130	396
29	05	43	857	07	30	415	442	07	27	46.2	07	16	14.0	32.2	05	07	282	07	40	-67	349
30	04	55	861	08	54	-646	1507	05	37	45.9	08	59	-75.9	121.8	04	25	235	08	55	-392	627
31																					
Mean			830			439	391			56.2			02.9	53.3			310			-18	328
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 1944

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	771	802	809	792	807	817	805	797	692	590	498	531	566	397	548	544	675	776	746	755	780	780	817	812	704
2	D	817	839	803	795	792	656	679	750	777	776	590	439	601	580	763	750	763	759	771	771	780	785	788	780	734
3		780	793	772	780	778	755	746	740	755	767	724	751	652	637	742	748	751	746	751	752	751	755	770	773	749
4	D	780	790	786	780	775	775	778	780	778	784	774	658	711	774	769	753	778	750	736	772	748	750	790	837	767
5		799	843	793	795	778	769	775	754	736	750	595	616	721	655	633	768	768	736	740	763	763	769	780	789	745
6	D	799	811	778	778	778	778	786	687	669	757	683	465	711	772	732	757	757	732	744	759	763	775	775	769	742
7		773	806	792	802	798	789	749	689	732	731	735	695	752	767	739	743	735	737	735	735	746	756	777	779	754
8		752	840	819	794	825	789	773	711	617	746	804	800	785	773	777	774	767	760	764	764	762	768	785	789	772
9		781	788	781	772	777	779	781	783	777	786	788	792	788	786	781	769	750	744	730	733	744	750	754	760	770
10		767	788	770	776	778	782	778	776	772	773	772	773	773	773	776	772	761	755	755	757	763	759	766	772	770
11		773	745	753	760	754	753	760	762	768	771	771	769	760	769	774	761	745	743	737	732	733	745	735	760	756
12		758	743	741	750	754	756	758	760	760	755	755	751	761	760	760	756	744	737	735	733	736	737	732	740	749
13	Q	740	748	750	747	744	749	749	751	752	749	753	753	752	754	751	751	740	734	735	736	740	737	746	757	747
14		758	758	758	758	751	748	754	758	746	744	751	752	756	758	752	741	735	730	725	729	737	744	751	765	748
15		755	760	745	755	763	743	739	748	748	749	751	745	743	751	750	739	728	719	717	718	730	737	744	751	743
16	Q	751	750	747	743	740	743	744	751	756	753	755	756	754	758	742	743	737	729	725	730	737	743	748	754	745
17		749	746	746	750	746	745	751	753	757	756	758	761	756	758	755	747	737	728	727	729	738	740	739	741	746
18	Q	739	737	738	742	744	743	748	747	750	751	753	758	759	759	755	745	731	722	727	740	753	756	752	759	746
19		757	748	751	751	751	752	755	758	762	765	765	765	763	760	749	741	730	723	726	731	737	741	748	755	749
20	Q	742	752	751	748	747	749	749	751	756	756	758	759	763	764	758	753	743	737	729	731	737	744	755	757	750
21	Q	758	760	760	755	754	755	757	760	760	757	762	763	764	763	757	748	730	715	709	712	725	738	749	749	748
22		745	754	756	757	757	761	761	763	767	769	766	770	771	776	770	760	732	713	701	712	721	730	743	757	750
23		765	765	769	765	772	782	773	763	750	761	750	742	757	766	754	757	749	739	724	712	708	722	746	785	753
24		776	771	750	756	773	813	671	426	593	648	733	776	778	775	759	743	728	725	724	733	729	735	747	761	726
25		752	748	758	756	748	750	731	685	743	741	731	729	738	738	724	756	738	726	720	724	731	740	751	756	738
26		783	758	752	738	751	740	751	752	730	740	761	767	771	769	767	756	744	735	732	733	738	738	750	757	751
27		759	766	762	750	777	778	751	752	645	654	750	703	730	763	770	744	736	736	735	733	735	736	733	743	739
28		747	749	754	753	746	749	748	749	749	749	753	753	759	767	762	756	743	734	730	719	722	735	749	785	748
29	D	793	765	761	758	749	738	740	705	666	493	527	662	746	734	719	740	726	742	740	738	746	765	814	906	728
30		793	769	767	759	744	743	736	641	740	746	740	627	648	661	705	736	746	744	742	736	733	731	744	752	728
31		744	748	741	744	741	741	742	748	744	736	744	753	753	755	752	730	709	676	722	741	744	748	755	723	739
Mean		766	772	765	763	764	759	752	734	734	736	727	714	737	735	743	745	741	734	733	738	742	748	759	770	746

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 18 Meanook $D = 25° E + \ldots'$ May 1944

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	24.2	23.7	21.1	21.2	20.6	31.9	30.0	22.0	32.5	37.9	47.0	26.9	42.1	36.5	53.4	42.3	26.1	24.6	24.0	19.3	19.2	19.5	22.1	17.3	28.6
2 D	18.4	23.0	26.3	25.5	22.9	26.9	28.1	31.4	26.1	24.9	14.0	10.7	33.8	27.6	34.2	31.8	29.6	28.9	26.0	23.0	22.3	22.3	22.2	22.9	25.1
3	23.4	24.2	28.1	36.2	29.7	27.3	25.4	23.2	25.0	23.7	18.8	22.3	23.5	24.8	31.7	34.6	32.3	29.1	24.8	22.6	21.5	22.1	22.1	21.8	25.8
4 D	22.2	22.5	22.5	22.7	22.9	23.8	23.8	24.2	24.5	24.5	24.6	24.7	33.9	35.0	31.8	32.6	29.0	33.9	17.1	20.1	24.8	12.8	19.5	18.6	24.7
5	18.4	21.3	24.4	22.5	25.7	28.3	28.0	30.0	28.8	24.4	14.4	23.1	30.2	31.1	33.3	31.0	32.7	33.6	21.9	23.0	19.5	22.0	21.2	21.0	25.4
6 D	22.1	31.7	23.8	24.4	33.9	32.1	29.0	29.2	21.8	29.1	32.8	17.2	24.2	31.0	35.8	34.0	29.8	29.8	26.0	20.8	19.4	20.0	20.7	21.9	26.7
7	21.3	23.2	26.1	31.7	39.2	27.4	46.3	38.7	23.1	23.2	23.4	22.6	27.1	33.2	35.9	34.1	29.9	28.3	21.6	18.2	17.3	19.0	18.2	19.4	27.0
8	19.2	31.0	29.2	23.2	32.1	28.1	22.5	21.3	07.7	25.8	26.4	26.0	26.9	31.8	34.8	35.7	33.3	29.7	24.6	21.1	19.1	18.9	20.1	25.0	25.4
9	23.2	23.4	23.2	22.5	22.9	24.2	26.3	23.1	21.4	21.0	22.9	24.4	28.6	29.7	30.6	31.6	30.4	29.1	24.2	17.1	16.1	16.7	17.6	19.9	23.8
10	21.2	21.0	23.8	21.9	21.2	21.2	21.2	22.1	21.9	19.9	21.4	21.4	24.2	28.4	31.4	31.8	30.4	27.0	22.1	20.6	18.9	18.7	17.6	16.7	22.8
11	17.1	23.0	23.5	24.6	26.5	26.5	28.8	26.0	25.4	24.3	24.3	25.1	26.8	30.7	32.6	34.6	34.2	31.6	26.1	23.2	20.7	17.8	16.5	16.8	25.3
12	18.1	21.2	23.1	23.9	23.7	27.3	24.8	24.1	25.3	26.3	26.1	25.9	29.5	30.8	32.4	33.0	34.0	31.0	26.3	22.3	20.1	18.2	18.2	19.3	25.2
13 Q	21.0	22.3	23.2	23.5	23.9	23.9	23.9	24.3	24.4	23.9	26.0	27.4	30.3	31.8	32.1	33.0	32.0	30.3	26.3	22.1	20.0	19.5	19.5	20.4	25.2
14	20.0	21.5	22.5	22.0	24.0	24.0	26.6	23.8	23.8	24.1	25.8	27.6	30.0	30.7	31.9	32.2	29.1	25.2	21.5	19.3	16.8	16.6	16.7	17.3	23.9
15	25.0	21.9	21.1	18.7	21.3	28.0	28.0	22.0	22.0	23.0	24.1	26.2	31.0	32.7	32.8	31.7	28.8	25.4	22.0	20.3	20.4	20.4	21.3	21.8	24.6
16 Q	24.0	23.0	24.2	24.4	24.4	24.4	24.0	24.0	24.2	25.5	26.1	27.3	29.3	31.0	31.3	31.4	30.6	29.2	24.7	19.5	18.5	18.4	19.2	20.3	25.0
17	21.6	23.2	23.2	23.5	23.1	24.2	24.7	23.1	23.9	24.3	25.2	27.8	30.2	34.1	34.6	33.5	30.8	27.8	24.5	22.5	23.0	21.8	21.2	22.1	25.6
18 Q	22.3	23.2	23.0	23.0	24.0	25.0	24.2	24.4	26.2	26.2	26.8	28.0	30.9	32.6	32.8	32.8	31.0	28.0	25.3	23.1	21.5	21.8	22.0	21.6	25.8
19	20.3	20.6	20.7	21.8	21.5	22.5	26.3	24.2	26.2	25.9	26.6	28.5	30.7	31.2	31.2	31.2	30.2	26.9	22.2	18.2	16.6	16.6	18.1	20.1	24.1
20 Q	22.1	21.5	22.0	23.0	24.0	23.0	23.6	24.0	24.9	26.2	25.9	26.9	29.0	31.1	32.8	32.2	28.9	25.9	22.3	20.4	18.8	18.4	18.4	19.4	24.4
21 Q	21.3	22.3	22.5	22.1	22.1	22.8	22.8	23.2	23.2	25.2	27.2	28.0	31.5	34.0	35.0	33.9	29.8	25.2	21.6	19.3	18.9	17.9	17.2	18.1	24.4
22	19.8	22.5	23.0	22.5	22.1	21.1	27.1	23.1	24.6	24.2	25.0	27.9	30.0	30.7	32.1	32.6	31.9	32.4	29.1	22.0	17.9	15.0	15.1	16.3	24.5
23	16.7	18.7	19.1	20.7	22.7	22.8	22.5	22.2	24.5	24.9	22.7	22.3	27.3	29.3	34.4	33.2	30.4	27.6	26.3	22.0	18.9	17.3	15.3	14.2	23.2
24	14.5	18.5	21.6	20.7	21.3	24.0	24.6	27.9	33.4	41.4	32.7	28.4	28.3	31.3	34.2	34.7	32.9	29.0	27.9	24.1	18.0	16.7	17.8	19.8	26.0
25	20.2	22.7	22.5	26.1	43.5	26.1	24.6	22.4	25.4	24.5	25.0	27.1	32.0	33.0	32.9	33.6	34.2	32.2	27.1	22.1	15.8	14.9	15.8	17.0	25.9
26	18.9	19.4	23.2	25.4	24.7	25.6	26.1	23.7	24.7	27.4	29.2	26.1	30.0	31.9	33.8	33.9	32.4	27.4	24.3	20.5	19.5	18.0	19.2	19.5	25.2
27	21.1	21.3	21.3	20.3	23.4	45.9	25.0	21.7	16.6	25.2	22.9	22.5	26.7	32.3	31.9	30.8	30.8	28.1	23.7	22.1	19.8	18.7	20.3	21.3	24.7
28	22.5	23.4	23.2	23.5	23.2	23.6	23.7	24.2	26.6	25.4	26.3	29.8	31.4	32.5	32.9	31.3	31.9	27.5	25.8	23.7	20.9	20.5	20.5	19.0	25.6
29 D	19.5	25.2	23.2	22.2	22.2	28.8	34.8	30.6	27.8	33.9	44.5	42.6	32.7	32.7	31.9	36.5	32.6	27.3	25.5	22.6	20.3	21.8	24.2	30.8	28.9
30	26.9	17.9	21.5	26.3	23.0	23.6	23.6	18.2	25.6	24.0	22.7	19.2	18.9	24.9	26.7	33.9	34.1	32.3	28.8	25.2	22.6	21.2	22.1	22.1	24.4
31	21.6	23.1	25.4	26.5	26.0	31.7	29.9	24.2	24.2	24.2	26.2	25.5	28.6	31.7	32.6	34.8	30.8	18.1	17.2	19.5	21.1	21.3	19.7	19.6	25.1
Mean	20.9	22.6	23.3	23.8	25.2	26.3	26.5	24.7	24.4	25.9	26.0	25.5	29.3	31.3	33.4	33.4	31.1	28.5	24.2	21.3	19.6	18.9	19.3	19.9	25.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Meanook Z = 59,000 γ + May 1944

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	221	196	184	177	187	217	201	193	142	032	047	064	-84	-176	-73	019	055	174	198	193	201	211	219	241	127
2 D	227	240	221	217	114	-43	-01	117	163	153	-05	-144	-48	-29	125	134	147	166	166	166	177	180	180	171	116
3	174	204	205	206	196	180	163	118	111	163	133	141	092	046	125	162	176	182	183	178	183	183	178	174	161
4 D	174	177	183	180	179	179	178	177	177	177	156	018	032	123	168	161	165	173	161	176	189	212	217	226	165
5	217	271	226	210	198	185	164	131	063	095	005	034	068	028	117	164	178	163	163	173	172	176	176	185	148
6 D	190	250	201	193	204	185	168	037	063	123	024	-86	137	157	153	179	173	169	182	178	177	178	186	185	150
7	185	189	202	212	207	184	-29	-20	048	069	098	096	138	165	150	153	153	164	164	169	177	180	184	184	143
8	186	250	210	210	205	172	155	038	-82	070	151	174	174	168	168	172	171	169	168	174	179	184	183	183	160
9	177	189	188	192	192	191	183	184	174	179	176	188	188	184	179	178	173	174	172	171	179	185	190	191	182
10	193	184	187	179	177	177	177	179	174	176	178	177	183	184	183	182	177	174	176	175	170	174	188	194	180
11	196	188	182	182	179	174	150	164	170	166	166	172	171	173	172	171	172	173	169	171	174	173	172	174	173
12	174	187	178	176	178	183	178	174	166	176	172	155	172	174	166	164	163	162	163	165	173	175	174	174	172
13 Q	174	183	178	182	182	180	177	173	172	165	166	183	177	175	176	176	174	172	171	172	177	177	178	178	176
14	178	163	172	174	178	185	180	190	153	147	163	165	170	168	163	163	163	163	163	161	165	163	165	169	168
15	198	188	190	200	239	197	121	175	171	173	171	171	171	171	173	170	168	164	162	164	168	171	174	174	176
16 Q	174	174	171	177	174	174	176	173	169	174	175	174	173	173	165	163	165	165	164	163	168	174	176	179	171
17	177	185	185	187	198	189	179	177	174	175	174	176	172	172	169	163	162	157	151	150	161	170	178	185	174
18 Q	190	178	182	171	168	171	171	169	166	163	149	160	169	168	163	161	163	161	157	160	157	163	163	165	166
19	171	171	169	171	169	171	152	164	165	163	171	166	163	161	163	163	163	156	158	159	160	162	164	163	164
20 Q	171	173	172	171	166	173	168	165	165	163	168	169	168	163	164	162	160	156	155	160	165	163	158	158	165
21 Q	160	163	162	163	163	163	165	166	165	152	157	170	166	166	165	163	161	157	156	155	160	163	163	170	162
22	170	166	166	163	163	168	174	165	163	166	177	178	170	171	170	163	161	153	156	157	161	171	174	172	167
23	177	165	177	199	221	228	205	174	151	160	150	133	147	156	146	149	155	156	158	155	161	175	177	185	169
24	206	231	196	185	210	205	147	120	-29	016	082	147	178	178	173	158	156	152	150	161	170	176	197	198	157
25	178	166	174	198	179	174	125	084	129	124	107	123	146	144	134	160	165	160	156	160	163	163	165	174	152
26	185	224	220	203	187	187	176	163	141	134	112	165	174	173	172	168	165	160	160	163	171	173	174	175	172
27	182	187	186	188	211	178	163	165	060	084	122	095	115	142	169	159	155	157	160	159	164	171	172	172	155
28	168	166	163	163	162	166	166	163	147	144	147	160	162	159	156	153	155	153	144	144	145	156	163	184	158
29 D	247	194	184	192	201	147	131	077	040	-85	-151	-12	047	109	105	141	128	157	170	161	172	205	253	285	129
30	225	224	245	213	185	180	176	-05	116	148	161	105	036	032	101	157	170	170	166	166	169	166	171	174	152
31	178	166	171	173	174	172	123	155	156	133	143	163	163	163	156	146	143	138	133	139	152	162	180	174	156
Mean	188	193	188	187	185	174	154	139	127	132	124	122	132	134	149	157	159	163	163	164	170	175	180	184	160

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook May 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	22	34	923	13	45	202	721	14	32	84.1	23	33	10.7	73.4	23	37	273	13	32	-212	485
2 D	01	30	860	11	18	166	694	05	35	62.4	11	35	-6.5	68.9	01	40	283	11	15	-252	535
3	01	40	805	13	08	576	229	03	35	32.4	13	30	17.7	14.7	03	00	217	12	58	-03	220
4 D	23	18	913	11	33	606	307	13	28	38.7	21	28	07.0	31.7	23	35	260	12	01	-76	336
5	01	20	900	10	47	479	421	14	08	38.3	10	45	06.7	31.6	01	15	293	10	35	-80	373
6 D	01	13	831	11	15	285	546	07	43	45.2	07	17	09.7	35.5	01	02	271	11	25	-181	452
7	01	00	861	07	36	632	229	07	07	63.5	20	02	13.4	50.1	03	52	244	06	35	-142	386
8	01	23	873	08	47	590	283	04	32	56.1	08	02	00.0	56.1	01	23	298	08	17	-150	448
9	09	10	796	17	27	729	67	14	58	33.7	19	57	13.5	20.2	12	14	198	19	40	163	35
10	01	00	815	18	00	746	69	15	16	34.2	23	47	16.6	17.6	01	00	196	18	15	163	33
11	23	52	788	20	16	721	67	06	43	40.4	23	40	15.3	25.1	01	00	196	06	40	136	60
12	09	33	769	22	53	721	48	16	45	35.7	21	53	16.6	19.1	01	30	193	11	35	145	48
13 Q	07	52	758	17	45	726	32	15	28	34.2	21	34	17.9	16.3	02	35	193	09	50	143	50
14	23	47	780	18	50	719	61	15	15	33.1	22	43	16.5	16.6	07	07	210	19	25	125	85
15	01	55	776	05	52	702	74	05	50	42.1	05	16	16.4	25.7	04	25	256	06	22	030	226
16 Q	12	48	769	18	48	721	48	15	42	31.9	21	44	17.3	14.6	06	30	178	15	35	157	21
17	13	02	766	18	15	721	45	13	42	35.8	05	02	19.6	16.2	04	50	209	18	30	148	61
18 Q	11	00	760	17	25	716	44	15	35	33.2	23	55	20.3	12.9	01	30	183	10	42	144	39
19	12	05	772	17	48	716	56	13	40	33.1	21	16	15.4	17.7	07	47	174	07	30	135	39
20 Q	11	22	765	17	12	725	40	14	41	34.1	22	10	17.6	16.5	01	30	174	18	20	151	23
21 Q	03	00	768	19	05	703	65	14	44	35.3	22	38	16.6	18.7	08	29	176	09	47	136	40
22	11	42	784	18	15	693	91	14	44	33.9	21	47	14.2	19.7	06	42	182	18	00	145	37
23	23	42	793	20	30	699	94	15	16	37.8	23	47	13.1	24.7	04	53	244	11	29	125	119
24	05	47	876	07	12	266	610	07	55	67.2	07	05	07.6	59.6	07	21	284	08	10	-134	418
25	23	12	796	08	35	643	153	04	34	52.9	21	05	14.0	38.9	04	06	230	07	31	030	200
26	00	40	808	08	34	699	109	15	20	38.9	22	03	16.5	22.4	01	45	241	10	17	055	186
27	04	55	891	08	35	563	328	05	42	54.2	08	42	11.9	42.3	04	58	271	08	30	-32	303
28	23	54	809	19	37	701	108	14	34	34.6	23	47	16.5	18.1	23	50	183	08	36	129	54
29 D	23	40	999	09	42	387	612	11	12	65.6	22	55	17.1	48.5	23	35	337	09	37	-218	555
30	00	45	808	08	34	437	371	07	47	54.8	07	27	-16.9	71.7	02	55	287	07	38	-218	505
31	22	25	795	16	33	640	155	06	00	48.2	17	45	07.8	40.4	20	35	189	04	12	080	109
Mean			820			601	219			44.1			12.3	31.8			229			020	209
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 1944

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		743	747	748	747	744	746	747	747	751	741	736	741	742	748	742	738	719	712	712	721	732	736	748	750	739
2		751	744	744	744	740	747	748	748	738	710	725	734	752	761	758	751	733	709	699	700	713	729	742	759	737
3	Q	749	746	743	735	739	740	739	735	743	745	749	756	760	753	764	754	732	714	706	712	727	737	751	758	741
4		756	756	748	745	745	745	748	753	759	766	769	770	772	776	775	770	754	746	742	742	762	766	769	767	758
5		767	744	754	748	751	751	752	760	766	754	754	757	753	736	759	761	748	736	733	732	729	744	757	773	750
6		763	745	744	741	738	738	746	752	757	758	760	765	767	766	761	749	738	734	722	724	734	737	744	755	747
7	Q	759	749	748	745	745	745	744	749	744	748	753	752	771	777	773	765	748	729	718	717	724	734	746	752	747
8	Q	752	752	744	741	743	745	747	750	754	754	761	764	764	769	769	755	740	730	727	728	733	734	738	741	747
9		741	753	762	751	745	749	752	753	750	746	741	744	752	759	752	741	734	725	717	718	719	744	748	752	744
10	Q	761	752	751	744	739	740	740	737	739	740	740	741	749	754	754	746	735	724	716	710	712	722	737	746	739
11		758	759	750	741	741	741	744	740	731	743	743	748	755	759	746	730	710	708	710	706	734	748	753	752	740
12	Q	753	753	743	741	739	742	743	743	741	740	742	749	753	751	744	737	729	723	723	727	723	723	731	742	739
13		747	746	749	746	746	747	749	751	749	746	749	744	742	767	768	766	744	728	718	715	729	745	748	760	746
14		761	746	746	747	743	740	742	744	746	750	744	752	746	728	757	767	755	748	746	740	736	733	771	775	748
15	D	775	793	867	768	821	861	784	657	633	683	744	736	698	708	729	724	722	705	704	714	731	741	746	778	743
16		776	785	772	749	742	741	749	718	712	628	581	610	687	746	755	753	729	715	709	711	729	743	753	754	723
17		748	753	747	751	756	745	744	743	739	743	747	751	744	753	734	716	716	721	720	730	735	748	754	752	741
18		734	732	740	766	757	751	749	742	722	745	720	729	734	757	757	750	738	729	746	721	726	730	731	743	740
19		754	766	745	749	751	749	745	744	747	739	729	712	756	763	753	745	725	714	715	723	735	731	745	745	741
20		744	750	745	744	755	740	755	759	740	710	749	759	753	748	755	746	731	719	713	705	710	725	763	767	741
21	D	762	770	776	778	847	854	783	526	502	544	701	774	767	771	771	755	734	730	730	720	725	730	738	768	732
22	D	744	740	766	886	866	799	759	752	506	187	561	767	771	759	762	720	744	737	731	720	722	718	729	731	716
23	D	763	764	772	750	743	741	724	693	627	699	706	759	725	720	734	705	717	739	725	739	746	736	741	758	730
24		766	766	749	747	745	743	743	737	728	743	743	745	749	736	723	739	743	731	715	706	719	725	729	736	738
25		741	744	746	738	734	738	736	736	734	734	734	740	744	747	756	752	740	734	728	707	730	719	719	726	736
26	D	744	767	766	771	787	815	742	748	748	732	725	722	734	714	693	650	689	717	724	730	726	740	773	795	740
27		763	738	740	743	735	741	742	735	722	693	642	654	763	765	762	756	742	735	730	735	735	740	722	758	733
28		765	739	744	744	750	750	746	747	717	719	744	745	754	754	751	756	742	731	727	723	738	740	742	752	742
29		757	743	745	783	777	771	763	736	742	738	737	745	730	753	760	753	745	738	729	724	725	726	727	738	745
30		750	747	748	741	751	756	759	763	755	754	743	664	662	741	757	756	753	747	739	720	725	732	741	741	739
31																										
Mean		755	753	755	754	757	757	749	733	718	708	726	737	745	751	752	744	734	727	722	721	728	735	745	754	740

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 22 Meanook D = 25° E + . . .′ June 1944

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	18.6	22.2	22.6	20.5	20.3	20.3	20.5	20.3	23.4	21.1	20.5	22.3	25.4	27.8	29.2	31.4	29.6	25.2	19.2	15.5	13.6	13.8	16.3	18.1	21.6
2	19.4	21.4	22.3	21.9	21.3	20.6	21.0	21.5	22.2	24.6	33.3	30.1	28.5	28.5	28.9	28.6	27.5	23.7	22.5	19.3	16.3	14.7	15.4	16.4	22.9
3 Q	18.8	20.3	20.5	20.8	21.3	23.4	28.5	22.4	21.0	20.6	21.5	23.2	24.3	26.3	28.5	29.8	28.3	25.6	21.8	17.4	15.6	16.6	17.6	18.4	22.2
4	19.9	20.9	21.9	21.4	21.4	21.6	21.9	21.2	21.4	22.0	23.6	25.6	26.5	28.9	30.1	30.7	30.2	26.8	21.2	18.5	18.3	15.3	14.5	14.5	22.4
5	17.0	18.9	20.4	20.3	20.1	20.2	21.2	23.1	25.6	26.0	27.1	23.7	23.8	25.6	29.0	29.7	29.6	24.3	21.2	18.3	14.5	13.5	13.7	14.5	21.7
6	17.6	21.3	22.5	22.3	22.4	21.1	19.8	19.9	20.4	21.3	21.6	22.3	24.6	27.5	30.5	30.2	30.2	28.9	21.0	18.8	16.0	15.7	16.3	18.1	22.1
7 Q	19.8	21.2	20.7	20.7	20.7	21.6	22.0	22.4	25.3	22.5	19.6	19.6	26.6	30.2	31.9	30.8	31.6	28.1	25.1	18.5	14.7	15.0	16.0	18.0	22.6
8 Q	19.9	21.3	21.7	22.0	21.3	21.1	20.5	21.3	21.0	22.7	22.4	23.4	26.8	29.0	30.5	30.4	30.2	28.1	23.4	18.3	15.5	14.6	15.2	16.6	22.4
9	16.8	18.9	20.7	19.6	20.5	18.6	18.6	19.7	20.3	21.1	23.6	22.7	26.8	30.5	32.3	32.0	28.6	27.0	22.5	17.4	14.4	14.4	16.3	17.2	21.7
10 Q	18.6	22.8	19.9	19.4	20.0	20.3	20.3	20.8	22.5	22.3	23.2	23.2	28.0	29.9	32.0	33.3	32.4	30.7	26.0	22.0	18.5	16.2	15.5	17.2	23.1
11	18.8	21.5	21.5	20.2	19.6	20.2	21.5	20.3	19.6	20.2	20.9	23.6	25.9	27.6	29.9	30.7	28.3	25.8	20.4	11.5	09.9	12.1	15.8	17.5	21.0
12 Q	19.6	20.5	22.5	22.2	20.5	19.9	24.3	20.7	20.3	20.0	22.7	25.1	27.3	28.9	29.9	31.0	30.0	27.6	22.7	19.5	16.7	15.5	16.3	17.5	22.6
13	19.3	20.7	21.5	21.3	20.9	24.3	22.5	21.7	20.7	21.7	23.0	25.1	25.8	29.8	31.1	29.2	28.5	28.5	23.4	17.5	13.7	11.3	11.3	12.3	21.9
14	17.4	18.0	21.0	21.9	22.2	21.8	21.5	21.0	21.7	22.7	24.1	25.6	26.0	26.8	30.8	33.2	33.3	30.2	25.5	21.5	19.8	18.0	16.6	14.9	23.1
15 D	15.7	19.6	23.4	19.8	18.4	21.7	17.3	26.3	31.1	27.5	25.1	26.2	29.4	30.2	37.0	35.7	33.1	29.5	23.4	17.6	15.6	16.1	17.8	16.1	23.9
16	16.9	17.4	23.4	18.4	19.0	18.7	25.1	32.1	29.2	28.6	26.5	19.6	23.6	34.0	34.5	33.3	30.2	25.8	22.5	17.7	15.8	15.8	15.6	16.8	23.4
17	20.5	19.3	19.3	22.9	21.5	21.0	18.0	18.6	20.3	22.7	23.4	24.8	26.8	28.4	30.2	30.4	28.7	26.0	21.8	18.3	15.7	15.5	15.5	15.2	21.9
18	17.4	18.7	19.4	27.3	30.2	25.8	20.1	22.2	19.4	22.5	19.3	24.4	28.9	31.0	32.1	31.7	29.0	27.2	23.3	18.5	14.1	12.2	13.9	16.0	22.7
19	17.4	19.6	22.9	20.9	20.9	22.5	19.5	20.5	20.3	24.3	25.4	20.0	28.0	30.3	32.3	32.3	32.1	30.0	25.5	22.3	18.8	16.7	15.9	15.3	23.1
20	14.9	18.6	19.8	18.8	18.3	21.7	27.3	19.2	19.9	18.6	21.5	24.6	28.1	31.4	31.4	31.5	30.6	28.5	28.3	20.0	13.1	11.8	10.6	10.1	21.6
21 D	11.8	16.7	17.4	17.6	26.3	15.9	15.5	33.6	17.1	21.7	25.6	26.5	30.2	31.8	35.0	33.9	36.0	33.6	30.2	23.6	17.4	14.5	14.7	15.0	23.4
22 D	16.6	16.8	16.8	13.3	25.6	22.5	26.3	26.3	30.2	40.6	41.0	23.4	26.1	30.1	33.1	35.0	31.4	27.2	25.4	21.6	17.7	16.9	13.8	14.4	24.7
23 D	17.5	17.6	19.8	21.0	20.3	19.8	40.8	39.6	23.4	20.8	15.7	20.6	23.1	27.0	29.0	29.4	23.9	24.7	22.4	19.4	18.8	15.7	16.3	18.6	22.7
24	19.3	20.2	24.4	26.0	21.0	22.5	26.1	22.0	19.8	22.7	22.1	23.9	25.1	26.1	28.2	28.6	28.9	26.8	24.4	20.2	19.3	18.4	17.5	18.6	23.0
25	19.4	20.3	20.3	20.5	21.3	21.0	21.7	22.0	20.9	21.7	23.0	23.7	25.6	27.3	29.7	30.8	30.8	32.6	25.7	17.4	13.2	12.3	13.6	15.8	22.1
26 D	16.7	17.5	16.3	15.4	22.1	26.5	22.5	30.1	24.1	20.6	28.7	27.8	29.6	29.6	30.2	20.2	26.8	26.8	24.7	22.0	17.0	13.5	16.3	19.9	22.7
27	17.5	18.1	22.5	23.7	20.7	21.7	22.9	28.3	24.6	24.4	24.4	24.0	24.6	27.7	29.7	28.9	30.0	27.5	27.8	21.5	17.8	17.4	17.3	18.5	23.4
28	17.6	19.2	20.0	20.9	21.5	27.3	24.1	24.1	22.7	26.3	21.3	24.4	26.6	28.9	29.9	29.2	29.5	28.6	26.5	23.4	19.6	17.6	15.1	16.2	23.4
29	16.0	20.5	19.8	19.1	39.9	28.0	29.7	23.9	22.7	18.7	18.3	23.4	24.9	29.7	30.7	31.2	31.1	30.9	25.8	21.7	18.9	15.4	15.6	17.0	23.9
30	18.4	19.8	21.7	20.3	19.4	19.5	18.7	22.5	24.3	23.6	23.2	18.9	18.9	22.7	27.9	31.4	32.1	30.7	25.4	21.2	17.6	16.2	16.7	17.6	22.0
31																									
Mean	17.8	19.7	20.9	20.7	22.0	21.7	22.7	23.6	22.5	23.1	23.7	23.7	26.2	28.8	30.8	30.8	30.1	27.9	24.0	19.3	16.3	15.1	15.4	16.4	22.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 23 Meanook Z = 59,000 γ + June 1944

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	178	162	156	156	159	156	142	125	118	133	146	152	149	151	156	158	152	150	147	155	158	163	153
2	163	163	163	160	157	156	159	158	152	080	053	087	125	141	164	160	156	150	147	144	147	151	158	169	144
3 Q	169	160	160	156	156	159	146	112	139	150	157	161	159	147	150	155	157	153	155	151	151	152	152	156	153
4	158	156	150	148	147	150	156	155	152	152	156	156	160	156	160	161	156	152	149	145	147	159	171	173	155
5	173	174	163	156	155	150	149	148	146	139	129	136	134	082	114	128	137	142	137	142	143	158	169	176	145
6	178	176	172	166	166	161	157	155	155	153	157	156	161	153	156	152	151	147	144	149	153	151	153	158	158
7 Q	162	163	162	163	158	156	164	160	136	147	153	141	147	163	155	150	151	157	150	144	142	149	157	160	154
8 Q	162	161	157	158	155	156	158	159	152	150	157	159	158	162	163	163	155	142	138	135	134	147	151	153	154
9	152	150	160	166	164	168	160	152	144	147	142	133	134	142	142	141	145	145	142	139	142	152	155	161	149
10 Q	161	174	169	165	165	166	164	158	145	157	156	152	160	157	158	160	145	144	139	139	142	150	160	165	156
11	172	164	157	152	150	152	151	142	115	118	133	142	152	152	145	138	129	121	119	122	147	153	161	160	144
12 Q	161	166	159	153	152	149	143	143	145	149	150	155	152	148	143	142	139	135	131	141	142	142	143	143	147
13	145	150	146	145	148	144	138	136	141	136	138	130	124	131	136	137	136	134	129	132	141	148	152	155	140
14	166	185	184	174	173	162	150	149	129	123	109	123	109	093	118	130	123	139	139	138	136	138	163	172	143
15 D	210	239	280	243	278	256	206	094	-96	053	129	135	102	091	109	111	118	138	155	145	146	156	190	230	155
16	210	204	177	156	152	152	123	062	021	034	-06	-06	063	122	131	144	142	140	137	139	144	149	160	188	122
17	188	171	161	172	162	168	162	112	109	138	150	152	144	147	139	128	130	132	131	127	128	137	150	166	146
18	172	174	164	179	131	131	156	135	071	090	080	091	112	138	137	135	133	130	133	134	134	139	142	141	133
19	142	163	163	162	165	133	144	146	146	129	128	075	132	145	139	134	128	128	128	133	137	147	160	160	140
20	172	187	184	171	175	095	108	149	066	033	115	142	147	136	139	144	149	145	147	152	150	155	171	177	142
21 D	174	161	196	189	211	211	185	070	-115	-189	047	151	155	159	155	147	129	134	141	146	155	152	153	163	128
22 D	177	177	179	239	233	227	152	172	064	123	034	145	160	151	151	125	176	154	141	142	151	170	186	183	159
23 D	189	203	214	188	173	175	046	-114	-17	064	075	134	137	129	131	125	138	140	135	131	147	153	161	174	126
24	174	174	184	169	165	160	136	107	084	133	144	153	152	136	115	116	139	140	141	144	149	159	159	160	146
25	161	157	159	152	149	148	152	152	148	147	148	153	152	150	150	147	142	140	142	133	135	132	136	146	147
26 D	152	163	169	201	233	178	146	115	134	130	089	109	127	103	081	066	093	109	136	155	174	182	205	213	144
27	185	174	179	179	175	166	161	109	088	071	-31	-04	123	158	160	147	136	131	134	138	144	149	155	179	134
28	179	163	155	153	159	142	142	141	112	081	125	139	152	146	145	143	146	137	134	133	135	147	149	157	142
29	177	182	173	206	163	142	163	123	138	136	139	127	088	104	129	142	135	134	136	143	147	152	152	157	145
30	158	163	161	149	148	147	145	157	130	128	112	028	-04	082	133	142	150	152	148	142	136	135	144	149	131
31																									
Mean	171	173	173	171	169	161	149	127	103	108	113	123	132	136	140	139	141	140	140	140	144	151	159	167	145

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook June 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	01	20	771	18	22	696	75	14	57	32.6	20	47	12.0	20.6	02	10	189	09	02	081	108
2	23	30	778	09	40	677	101	11	07	36.3	21	35	13.8	22.5	23	25	176	09	50	012	164
3 Q	14	38	767	18	50	701	66	07	22	35.5	20	16	14.0	21.5	06	02	171	07	40	090	81
4	22	56	797	17	57	738	59	15	47	31.5	21	27	10.4	21.1	23	27	177	20	30	142	35
5	23	37	785	20	09	717	68	17	05	31.5	21	40	10.6	20.9	23	45	183	13	17	061	122
6	01	12	776	18	45	710	66	15	30	32.1	21	41	14.9	17.2	01	10	182	18	30	142	40
7 Q	12	50	783	18	53	710	73	16	07	33.1	20	27	14.4	18.7	07	07	173	12	00	128	45
8 Q	13	50	773	19	23	720	53	16	45	32.0	21	28	13.9	18.1	14	45	165	19	50	131	34
9	23	05	784	20	04	710	74	14	25	35.0	20	47	12.7	22.3	03	20	174	12	10	128	46
10 Q	01	04	774	18	45	698	76	15	22	34.8	22	40	14.9	19.9	01	30	176	19	10	136	40
11	21	52	767	19	02	691	76	15	23	31.6	19	53	08.1	23.5	00	40	176	09	07	102	74
12 Q	01	33	760	18	20	715	45	15	03	32.9	21	37	14.7	18.2	01	31	171	19	44	128	43
13	13	26	778	19	07	708	70	14	16	32.7	22	35	10.0	22.7	23	55	176	12	27	116	60
14	22	44	825	13	05	707	118	15	45	34.3	23	38	13.0	21.3	01	10	193	13	31	077	116
15 D	02	39	968	08	35	527	441	08	07	54.2	06	15	10.1	44.1	02	56	317	08	17	-214	531
16	01	20	811	09	53	471	340	07	42	45.9	11	49	03.9	42.0	01	31	219	10	47	-69	288
17	23	42	780	08	04	695	85	15	40	32.1	23	23	12.1	20.0	03	46	183	08	02	034	149
18	04	17	782	08	32	678	104	04	02	43.9	08	24	10.8	33.1	03	50	211	08	34	021	190
19	01	30	784	11	20	702	82	15	41	33.9	23	37	13.9	20.0	02	00	171	11	31	052	119
20	22	48	827	08	35	661	166	06	26	34.3	15	22	06.0	28.3	01	45	204	08	51	-63	267
21 D	04	20	970	08	40	315	655	07	25	53.2	08	20	-14.3	67.5	04	25	287	08	50	-271	558
22 D	03	45	991	09	15	-35	1026	10	13	67.9	03	22	07.0	60.9	04	05	336	08	56	-76	412
23 D	07	10	815	08	17	483	332	06	50	68.9	08	07	09.2	59.7	02	31	280	07	36	-204	484
24	00	12	772	19	20	704	68	06	24	33.1	22	10	16.5	16.6	03	32	205	08	01	059	146
25	02	28	759	19	21	687	72	17	07	35.7	20	38	11.0	24.7	02	32	166	19	25	124	42
26 D	04	45	841	15	26	620	221	04	58	35.8	21	15	10.8	25.0	04	45	276	15	20	045	231
27	23	40	771	11	00	531	240	07	30	37.3	21	00	15.2	22.1	03	54	209	11	03	-136	345
28	23	40	793	09	02	670	123	05	05	33.9	23	40	13.7	20.2	05	07	185	09	02	051	134
29	04	02	841	12	35	710	131	04	20	53.5	22	05	13.9	39.6	04	05	255	12	47	060	195
30	07	37	786	11	30	607	179	15	32	34.5	11	35	12.8	21.7	01	17	177	12	33	-37	214
31																					
Mean			807			631	176			38.8			11.0	27.8			205			028	177
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 1944

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	752	763	745	740	740	743	747	751	754	747	746	753	755	760	748	746	740	731	721	716	720	729	747	743
2		748	761	750	744	737	736	736	744	747	742	747	711	737	769	755	748	734	724	716	714	721	731	741	748	739
3		744	755	748	751	753	753	751	769	759	755	720	738	766	763	761	749	724	708	710	711	730	755	748	740	744
4		760	741	752	749	749	750	749	752	749	749	750	755	757	763	764	756	742	735	718	719	718	748	753	756	747
5		759	756	750	740	747	747	752	739	740	751	753	759	764	769	765	755	737	720	712	712	717	727	743	753	744
6		763	756	748	744	750	755	755	756	756	755	758	758	763	768	765	756	748	731	713	712	718	725	741	757	748
7		774	792	811	777	756	748	756	751	746	750	736	746	745	745	757	757	753	746	725	712	707	707	715	741	748
8		754	764	765	762	755	746	748	748	751	763	772	775	771	764	774	774	759	744	739	740	740	737	736	758	756
9	D	771	764	771	783	816	810	686	688	639	561	610	694	751	756	763	761	738	735	736	728	724	730	739	748	729
10		761	782	765	757	757	745	745	747	742	743	746	750	757	757	758	741	753	750	741	732	722	719	726	742	747
11		753	754	745	750	755	747	746	764	767	751	750	750	745	741	740	747	748	750	742	729	723	722	733	734	745
12		740	744	755	755	755	759	760	761	761	762	764	761	766	771	770	769	756	747	745	742	736	737	737	743	754
13		746	747	758	754	752	754	757	748	749	754	754	746	760	767	765	766	753	747	734	724	736	734	748	745	750
14		752	754	750	751	748	751	755	742	736	660	746	762	772	775	776	764	742	724	725	723	733	740	751	746	745
15	D	748	752	753	752	749	746	694	740	714	615	603	595	704	749	770	759	745	728	710	724	731	756	758	761	723
16		752	744	750	748	754	765	763	743	734	732	737	739	730	725	746	758	744	727	707	714	713	717	743	760	739
17		757	764	783	782	820	755	578	675	696	724	724	726	748	758	729	738	755	740	727	720	716	723	743	760	735
18		756	752	760	748	743	750	752	751	753	753	748	747	753	764	759	750	730	710	700	724	741	757	767	776	748
19	D	771	744	749	752	750	746	748	750	756	757	757	742	730	736	758	756	743	736	731	729	741	741	747	750	747
20	D	757	759	754	757	751	755	756	749	726	344	645	737	717	722	766	762	744	731	721	727	735	746	758	758	724
21	D	761	765	760	761	757	761	763	752	751	624	671	716	665	749	776	768	749	742	739	740	759	746	744	752	740
22		749	732	730	726	734	712	704	724	768	730	719	715	687	652	668	673	671	684	723	752	765	760	756	732	719
23		735	753	744	743	740	740	738	736	734	734	747	749	747	743	736	723	715	717	717	715	738	726	730	747	735
24	Q	755	765	759	759	755	759	755	757	757	757	757	759	759	762	759	757	748	736	721	720	720	730	736	759	750
25	Q	736	718	719	711	707	709	715	719	725	725	730	721	727	736	734	718	707	696	696	698	700	709	711	715	716
26	Q	742	767	763	763	759	760	764	770	767	763	762	763	769	777	771	760	751	746	739	737	735	734	743	753	757
27	Q	761	765	760	759	758	759	759	764	763	764	766	769	769	767	769	770	755	735	724	725	732	737	742	746	755
28	Q	753	753	751	749	749	752	753	756	756	757	759	759	759	759	756	753	748	739	741	739	746	746	743	738	751
29		751	744	746	753	756	757	757	760	761	757	759	769	771	771	765	761	746	733	730	737	736	748	745	741	752
30		741	753	749	742	746	752	753	759	749	755	749	750	759	769	767	756	753	753	754	755	753	751	756	763	754
31		759	758	754	758	759	770	762	756	754	747	755	753	749	760	759	754	738	731	732	730	732	746	741	739	750
Mean		753	755	755	752	753	751	740	746	744	719	734	741	747	754	757	752	741	732	726	726	730	736	742	749	743

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 26 Meanook $D = 25° E + \ldots'$ July 1944

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	19.3	20.0	27.3	20.0	19.9	21.1	20.7	20.2	19.9	19.8	20.1	23.3	26.1	26.9	30.5	30.9	29.7	28.3	24.5	21.5	15.4	13.4	14.8	16.8	22.1
2	18.6	22.5	29.2	30.2	28.6	26.3	23.4	19.8	18.8	20.0	23.9	20.8	27.5	31.4	31.9	33.0	32.5	27.7	22.0	18.2	13.8	12.0	13.3	15.5	23.4
3	18.9	20.3	20.5	20.5	20.0	20.2	22.7	19.1	21.0	21.3	15.7	18.6	28.5	31.0	30.4	27.9	28.7	25.4	17.6	12.2	10.2	10.8	11.2	13.8	20.3
4	14.7	17.6	19.1	22.9	22.5	19.5	19.3	19.5	20.2	20.9	22.2	23.9	26.0	27.0	28.3	28.3	29.2	27.1	21.3	17.1	13.2	14.0	14.9	17.3	21.1
5	19.6	22.5	22.5	21.6	20.4	19.8	19.6	16.4	16.7	19.6	17.9	20.5	23.9	27.3	28.5	32.1	31.2	26.9	21.3	16.4	13.9	13.3	13.1	14.4	20.8
6	16.9	18.3	19.6	21.9	26.8	24.4	20.7	21.0	21.3	20.5	21.5	22.9	24.8	26.6	28.0	29.8	31.6	29.7	24.0	19.8	14.1	12.0	12.3	12.6	21.7
7	12.0	13.7	20.7	22.6	17.7	17.8	18.9	17.5	16.1	19.3	15.8	16.6	22.9	29.6	35.0	35.0	35.8	32.6	27.2	21.7	17.8	15.0	14.0	15.3	21.3
8	16.9	19.6	20.3	19.6	19.3	20.0	19.3	19.5	18.2	19.9	20.5	23.4	23.6	24.9	29.5	30.8	29.0	29.4	27.6	23.1	19.2	16.3	15.9	15.9	21.7
9 D	15.2	19.0	20.5	19.7	20.8	26.9	22.0	30.2	32.1	43.0	45.5	22.3	23.4	29.1	34.1	33.5	31.6	29.4	26.0	22.5	19.6	16.8	16.2	15.5	25.6
10	16.6	20.5	18.5	21.5	26.2	21.5	20.7	20.7	19.4	19.9	20.6	23.4	25.9	28.0	30.5	29.2	28.3	28.3	24.1	22.3	19.1	15.6	15.6	16.0	22.2
11	18.6	18.8	20.7	20.0	26.3	28.5	26.3	22.7	21.9	21.4	21.5	22.0	24.6	26.2	26.6	27.5	28.1	27.1	24.1	21.7	19.5	18.6	17.0	16.4	22.8
12	17.3	19.7	21.0	21.5	20.7	22.2	23.4	20.7	20.4	21.7	21.9	23.6	26.5	29.1	32.1	32.6	32.4	29.2	26.0	20.8	20.1	17.3	14.9	13.7	22.9
13	14.7	16.7	16.7	18.3	19.8	21.0	33.2	21.8	21.0	21.5	21.7	19.4	23.6	26.7	28.8	29.2	27.3	26.2	24.2	19.4	16.2	14.5	14.5	16.0	21.4
14	16.7	18.4	19.5	19.5	19.6	19.6	21.8	24.4	26.5	18.4	26.3	25.1	27.7	30.2	31.8	31.5	30.4	29.9	24.3	19.4	16.5	15.6	13.7	15.4	22.6
15 D	16.6	18.7	20.3	22.2	21.4	20.3	26.0	27.6	25.3	29.6	37.0	30.6	31.2	29.1	30.9	30.4	28.4	25.2	20.5	14.6	12.9	13.8	15.2	16.9	23.5
16	18.8	19.4	19.3	18.7	17.8	21.3	21.3	18.5	18.6	20.5	20.5	23.4	27.1	26.1	30.2	31.6	33.6	30.5	24.3	19.6	13.9	10.5	13.6	16.9	21.5
17	17.8	18.9	19.4	18.7	17.6	21.2	23.6	25.4	23.7	22.7	18.6	21.2	27.8	32.9	32.3	30.4	30.4	27.3	23.7	19.5	15.7	14.3	15.4	17.6	22.3
18	19.4	22.0	22.5	20.7	20.2	24.6	21.0	21.0	20.5	21.1	21.3	22.5	25.8	27.3	29.1	30.7	31.2	27.8	20.3	15.4	12.3	12.8	15.4	17.1	21.8
19 D	15.7	17.6	18.4	18.4	18.4	23.3	20.7	19.0	19.3	20.4	20.4	20.5	29.7	26.9	32.1	33.6	31.9	29.4	26.2	22.5	18.6	15.2	14.9	17.6	22.1
20 D	18.0	18.1	20.2	21.0	15.7	17.1	14.2	19.9	31.2	32.6	28.7	26.6	29.2	32.8	33.9	30.0	27.0	22.3	17.9	15.4	16.2	16.7	17.8	19.5	22.6
21 D	20.3	19.3	17.6	17.3	21.5	18.3	27.3	24.3	24.4	25.5	23.0	22.5	23.4	31.2	34.4	33.6	30.7	27.0	19.0	13.9	16.0	14.5	14.5	18.5	22.4
22	19.6	19.9	19.9	19.9	20.1	23.3	23.7	20.3	18.0	18.9	20.6	21.0	22.6	26.8	26.8	26.1	25.9	25.6	21.5	17.0	15.3	15.3	15.3	15.3	20.8
23	17.8	19.6	19.6	19.2	19.8	20.2	21.3	20.4	16.4	14.7	20.2	21.5	25.9	27.5	26.5	28.0	26.9	24.8	21.4	18.0	16.8	15.9	16.9	17.8	20.7
24 Q	19.5	21.1	20.9	19.7	19.3	19.3	19.5	20.9	19.0	19.4	19.4	21.0	21.7	23.6	24.7	26.8	29.1	30.0	25.8	19.0	14.9	12.6	13.0	14.4	20.6
25 Q	17.2	17.9	19.4	20.4	21.5	19.8	17.3	17.3	16.9	19.1	19.1	19.9	21.6	24.4	26.3	28.0	28.4	26.9	23.5	19.5	16.9	13.8	13.2	14.4	20.1
26 Q	16.4	17.0	17.7	19.2	18.1	18.5	17.4	17.0	17.4	19.6	20.6	20.4	23.8	26.3	28.6	29.7	28.5	27.8	23.5	19.7	17.7	15.8	14.7	16.7	20.5
27 Q	18.6	19.8	20.2	20.8	20.4	19.7	20.3	21.9	21.5	21.7	20.8	21.2	24.0	28.0	32.0	32.1	29.2	28.2	25.0	19.6	14.7	12.0	12.6	15.2	21.6
28 Q	16.7	19.1	20.5	20.8	20.5	20.3	20.2	20.8	21.3	21.5	21.5	21.9	24.9	26.6	28.7	30.2	30.2	28.3	25.0	16.4	13.8	11.6	11.6	13.8	21.1
29	16.2	19.4	20.0	19.6	18.9	18.9	19.3	19.8	19.8	23.0	21.1	23.5	26.8	27.5	27.9	27.7	27.3	25.4	19.6	18.6	16.4	15.7	14.5	14.7	20.9
30	15.7	18.0	19.7	21.4	19.6	18.8	18.6	22.0	19.6	22.3	22.5	22.5	27.0	29.1	29.2	29.4	25.0	22.0	20.0	19.0	19.5	16.9	16.2	15.5	21.2
31	16.8	20.5	23.6	25.4	22.6	24.2	22.8	19.2	21.2	23.6	22.1	23.4	27.3	31.0	33.6	32.5	29.7	25.5	21.5	17.6	15.4	15.4	14.8	15.6	22.7
Mean	17.3	19.2	20.5	20.7	20.7	21.2	21.5	20.9	20.9	22.0	22.3	22.2	25.6	28.1	30.1	30.4	29.7	27.5	23.0	18.8	16.0	14.5	14.5	15.9	21.8

98668—3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook — Z = 59,000 γ + — July 1944

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	155	174	185	160	149	142	141	136	137	136	125	125	134	131	134	142	143	142	135	131	137	138	139	149	142
2	157	169	166	170	155	145	145	147	147	136	142	098	097	134	136	135	136	137	135	136	137	135	137	138	140
3	144	142	141	138	144	155	161	157	135	133	068	071	131	131	133	133	136	134	131	135	136	143	144	144	134
4	149	155	155	159	151	141	141	138	144	142	142	144	145	144	143	138	134	136	131	130	131	133	133	139	142
5	148	162	164	155	155	147	147	120	082	108	115	138	147	147	147	142	136	130	136	136	129	129	130	139	137
6	144	141	143	142	138	130	132	123	128	118	128	139	137	137	135	132	130	125	123	120	128	135	147	157	134
7	165	201	262	225	212	174	155	150	145	120	115	104	129	128	128	141	144	147	142	133	136	150	150	147	154
8	147	152	150	148	149	153	155	141	141	155	150	149	142	129	127	129	138	138	136	135	136	139	142	157	143
9 D	170	179	172	182	206	182	086	042	-137	-91	-43	080	133	155	152	155	170	153	149	144	150	151	160	170	120
10	174	193	185	184	163	143	142	133	131	130	134	144	144	134	130	120	129	123	122	130	144	138	144	148	144
11	150	162	165	162	153	103	119	118	122	125	135	141	134	129	123	122	130	129	122	120	122	127	133	131	132
12	139	144	150	152	144	145	137	144	145	146	144	137	131	128	121	124	122	122	120	114	114	122	132	135	134
13	152	165	161	152	148	156	125	131	114	119	122	111	138	150	143	136	133	123	120	118	122	132	144	142	136
14	147	151	147	145	142	144	128	106	093	-44	055	125	141	142	136	137	131	129	123	122	123	129	138	141	122
15 D	139	150	166	169	165	133	-06	066	083	014	-56	-25	043	120	157	160	149	144	143	149	152	152	147	142	111
16	139	150	160	151	155	149	137	145	108	107	114	127	111	109	118	122	123	133	133	136	145	155	151	147	134
17	145	144	147	185	189	138	090	080	062	066	070	112	149	151	134	116	129	131	138	143	147	149	152	159	130
18	157	169	166	159	155	142	142	146	145	144	141	131	133	145	145	142	136	133	131	128	131	143	174	196	147
19 D	216	193	160	151	153	156	155	149	143	141	142	118	071	086	136	136	138	144	139	139	141	143	147	152	144
20 D	152	155	169	173	171	158	141	145	101	107	059	081	098	066	106	125	133	136	142	145	144	145	146	148	131
21 D	148	150	156	170	177	172	086	110	123	074	050	057	004	109	136	139	133	133	135	134	150	149	158	159	126
22	158	150	149	151	156	149	131	107	052	115	131	135	142	145	149	148	139	134	132	134	142	146	150	151	137
23	152	156	150	149	145	142	115	096	036	050	106	125	136	133	132	133	125	130	131	133	136	138	146	149	127
24 Q	149	152	145	143	139	137	138	139	137	134	135	141	142	139	132	130	128	131	133	138	141	139	144	143	139
25 Q	146	152	149	149	151	151	149	144	139	137	139	141	142	141	141	138	136	129	127	131	133	134	135	137	140
26 Q	134	142	144	142	142	141	138	138	134	135	134	134	134	137	134	130	131	131	130	128	131	133	134	136	135
27 Q	137	139	138	133	135	133	134	134	129	125	131	133	132	128	122	123	125	127	128	124	123	127	131	132	130
28 Q	135	138	138	139	139	136	135	134	135	137	136	134	137	135	134	130	129	122	111	115	118	125	133	135	132
29	139	145	142	137	136	134	134	132	132	115	112	123	139	137	134	134	131	123	123	127	130	142	148	149	132
30	149	156	147	142	136	132	132	125	101	120	119	135	138	134	130	122	121	122	120	127	129	134	147	146	132
31	163	158	163	165	171	165	168	152	135	131	141	136	131	134	133	124	128	128	131	130	131	139	149	161	144
Mean	152	158	159	157	156	146	130	127	110	106	108	118	125	131	134	133	134	132	131	131	134	139	144	148	135

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook — July 1944

Day	Horizontal Intensity							Declination							Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	13	790	19	55	702	88	02	07	34.8	21	55	12.0	22.8	02	09	221	10	42	115	106
2	13	25	776	19	27	705	71	15	33	36.0	21	18	10.9	25.1	03	27	180	11	50	062	118
3	13	17	782	17	25	693	89	13	15	34.3	20	23	08.4	25.9	06	15	173	11	07	026	147
4	00	17	770	20	06	700	70	16	25	30.2	20	05	11.6	18.6	03	33	166	19	55	123	43
5	13	45	774	18	40	706	68	15	42	33.1	20	32	10.9	22.2	01	50	177	08	05	053	124
6	00	28	779	18	40	700	79	05	01	34.1	22	06	10.0	24.1	01	03	155	09	41	101	54
7	02	46	852	21	33	693	159	17	05	37.9	07	55	10.2	27.7	03	42	309	10	55	086	223
8	14	30	783	22	02	725	58	15	23	33.1	23	33	14.5	18.6	05	52	164	13	38	122	42
9 D	05	02	853	09	12	448	405	10	35	71.8	22	05	13.8	58.0	04	32	231	09	00	-198	429
10	01	40	797	20	49	707	90	04	14	34.8	22	40	14.0	20.8	01	20	206	15	29	118	88
11	07	45	782	21	50	715	67	04	35	36.0	23	14	15.2	20.8	02	10	172	20	45	117	55
12	14	47	773	22	29	723	50	15	05	34.3	23	57	12.8	21.5	02	52	163	20	36	101	62
13	07	25	779	20	11	710	69	06	03	40.6	22	45	13.6	27.0	01	25	179	08	47	088	91
14	14	06	780	08	25	559	221	16	11	33.9	09	15	05.3	28.6	01	30	163	09	15	-123	286
15 D	14	33	784	11	14	443	341	10	25	48.6	06	05	04.1	44.5	02	32	180	10	38	-63	243
16	04	35	793	18	30	694	99	16	47	36.0	21	37	09.1	26.9	07	15	173	08	10	057	116
17	04	33	897	06	50	406	491	05	15	38.9	04	35	-02.0	40.9	04	06	230	07	05	-50	280
18	23	20	782	18	16	694	88	15	55	32.9	20	25	11.3	21.6	23	55	212	12	00	123	89
19 D	01	14	775	12	12	693	82	12	30	36.5	22	25	14.5	22.0	00	30	235	12	21	023	212
20 D	08	20	846	10	35	-73	919	09	55	47.6	09	15	06.8	40.8	09	48	298	09	27	-134	432
21 D	05	14	804	09	52	506	298	16	10	36.9	19	30	09.9	27.0	04	25	199	12	20	-44	243
22	08	47	811	13	25	632	179	08	56	33.0	08	52	11.9	21.1	03	46	163	08	26	-25	188
23	01	37	764	20	55	709	55	15	23	28.9	09	42	07.2	21.7	01	30	161	08	51	001	160
24 Q	01	07	780	19	25	709	71	17	04	30.5	21	40	10.9	19.6	23	05	155	16	10	123	32
25 Q	13	12	746	19	20	692	54	16	15	29.6	22	30	13.0	16.6	01	15	158	18	30	123	35
26 Q	13	37	781	21	25	725	56	15	51	30.7	21	55	14.5	16.2	03	30	147	19	47	124	23
27 Q	14	45	778	20	14	718	60	14	55	35.0	22	23	11.7	23.3	03	34	148	09	05	111	37
28 Q	13	40	767	21	52	724	43	16	06	32.1	21	53	10.5	21.6	02	00	144	18	27	107	37
29	11	22	776	18	00	718	58	15	52	29.2	22	42	12.6	16.6	01	00	152	10	53	092	60
30	23	59	799	11	23	728	71	15	20	31.6	23	50	13.9	17.7	23	55	169	08	27	077	92
31	05	18	785	19	52	717	68	15	25	35.2	22	52	12.3	22.9	04	42	185	09	14	115	70
Mean			792			643	149			36.0			10.8	25.2			186			050	136
No. days			31			31	31			31			31	31			31			31	31

98668—31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Meanook — H = 12,000 γ + — August 1944

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		745	748	745	754	753	754	761	729	732	639	679	654	683	774	775	769	753	737	729	727	730	735	736	753	733
2	D	758	757	760	756	753	747	753	756	759	760	765	774	774	781	784	777	763	756	753	746	763	776	791	893	769
3	D	954	1109	1008	1081	955	608	235	210	166	356	303	408	675	785	792	772	747	722	721	724	724	746	761	786	681
4		779	759	735	733	737	733	742	736	735	746	740	725	719	698	738	753	736	724	716	717	724	732	746	752	736
5		748	745	744	742	744	746	746	745	744	734	722	748	753	748	752	744	733	718	714	712	711	709	743	750	737
6		734	757	764	751	745	749	749	747	738	739	743	756	762	756	753	737	712	722	725	729	733	743	754	753	744
7		739	758	740	741	747	748	754	753	753	754	755	751	762	755	756	748	748	741	734	731	732	745	736	745	747
8		748	760	752	751	752	759	751	748	752	752	755	759	769	769	758	738	737	726	717	717	727	740	749	762	749
9		733	747	746	747	760	759	760	751	748	752	751	751	753	759	765	757	757	745	743	729	726	739	743	746	749
10		754	753	754	755	756	767	721	669	710	687	595	761	777	772	748	739	755	745	735	732	734	735	750	740	735
11		705	754	765	756	747	750	713	750	747	752	755	760	761	761	766	760	750	733	728	722	733	729	754	762	746
12		744	755	801	758	739	748	742	731	742	750	745	727	733	734	750	748	742	728	729	728	731	732	748	757	743
13		763	788	759	752	754	754	756	744	735	741	741	759	758	760	762	754	738	728	724	721	728	745	751	757	749
14		748	745	747	750	752	754	755	756	760	759	763	763	767	767	762	752	741	731	723	735	732	742	753	756	751
15		754	747	755	751	754	755	763	763	768	757	744	747	734	761	764	757	737	716	706	720	738	749	757	753	744
16		751	749	749	749	751	751	753	758	759	757	759	757	758	761	761	772	751	740	723	724	723	736	745	741	749
17		719	753	765	753	754	752	753	754	754	754	754	753	757	756	757	751	737	723	714	722	731	734	743	761	746
18	D	767	740	757	761	761	775	806	725	198	619	581	693	740	761	768	758	736	715	706	715	734	736	737	747	710
19		766	773	756	756	778	771	747	713	657	732	743	738	747	760	747	746	744	734	726	729	736	743	750	754	744
20	Q	761	743	743	747	744	741	746	744	740	743	745	742	723	749	751	747	731	726	729	730	733	738	744	753	741
21	Q	750	754	747	750	746	748	751	755	758	758	744	750	758	759	760	751	742	727	717	717	734	751	754	754	747
22		755	744	745	747	747	745	746	746	747	745	747	732	745	763	771	762	745	729	724	723	730	743	753	746	745
23		751	760	751	751	748	777	796	759	579	586	666	695	559	739	756	740	730	729	726	733	737	750	751	762	722
24		753	758	744	739	771	711	726	711	680	567	516	619	690	674	684	708	699	705	710	710	716	722	729	735	699
25	Q	735	735	737	729	732	732	735	737	732	735	731	732	729	735	722	710	708	716	722	727	732	738	743	750	731
26	Q	734	731	737	738	740	743	743	745	748	751	751	751	751	749	747	737	710	703	716	729	736	746	745	743	738
27		727	743	745	747	748	742	714	728	753	751	748	748	743	743	742	740	728	724	728	723	728	740	746	749	739
28	D	739	733	732	741	747	772	689	358	704	646	742	634	654	734	753	728	704	703	722	736	735	754	755	748	707
29	Q	740	738	738	739	740	742	743	746	746	750	750	753	748	739	736	720	704	709	722	737	742	745	749	747	738
30		736	730	730	747	752	768	752	754	747	741	744	746	746	720	743	744	737	729	719	730	744	739	757	766	743
31	D	754	744	735	805	752	753	753	681	622	743	726	688	756	763	752	742	700	720	722	735	747	752	770	763	737
Mean		753	762	758	761	757	747	731	710	694	711	710	722	735	753	754	747	734	726	723	726	732	741	750	758	737

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 30 Meanook D = 25° E + . . .′ August 1944

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	17.1	18.4	19.9	20.8	21.9	22.2	20.6	18.9	24.2	17.6	22.5	28.2	28.1	29.7	31.0	29.0	28.5	24.1	18.4	15.4	14.0	15.3	17.5	19.4	21.8
2 D	20.2	20.7	19.6	18.5	18.7	26.8	23.9	19.3	20.2	21.6	23.9	26.3	28.4	28.3	29.9	28.6	26.8	24.1	22.2	20.5	20.2	15.4	17.6	13.6	22.3
3 D	24.2	08.0	19.3	-0.9	08.4	38.0	37.3	16.8	04.4	10.6	15.0	32.4	34.2	31.0	29.9	33.2	31.3	26.3	21.3	18.6	15.2	15.7	15.7	19.1	21.0
4	20.5	20.0	21.0	19.8	19.4	19.6	20.3	19.8	20.0	20.7	22.2	23.3	30.2	30.0	31.9	32.1	28.2	23.4	19.2	16.4	13.4	14.3	18.6	22.3	21.9
5	23.4	24.2	22.5	22.1	21.3	21.8	19.0	19.6	20.3	18.4	18.4	23.2	25.6	28.9	31.0	31.2	29.2	26.1	20.5	18.9	16.2	13.7	13.8	15.4	21.9
6	17.1	18.1	19.2	30.7	21.0	18.9	19.6	20.3	27.3	24.1	22.0	24.2	26.2	29.9	31.9	34.0	31.2	24.8	20.5	14.9	12.1	11.8	15.4	18.8	22.2
7	20.7	19.6	21.0	19.3	19.3	22.5	22.0	19.9	20.5	21.0	21.7	23.4	26.0	25.4	28.5	32.1	32.0	28.4	23.2	18.4	15.0	13.9	15.2	15.9	21.9
8	17.2	18.6	18.8	19.6	19.6	20.2	20.5	20.5	20.5	23.6	27.7	24.9	28.7	30.2	32.6	33.4	32.6	29.5	24.4	19.1	15.0	13.8	13.8	14.5	22.5
9	15.2	16.9	18.4	18.6	20.5	21.2	20.3	19.9	20.5	19.8	20.0	19.6	22.3	26.0	28.2	31.2	30.0	26.6	24.6	19.6	16.4	14.2	13.5	16.2	20.8
10	20.2	19.5	18.6	17.9	18.3	22.7	37.0	37.0	30.7	25.8	20.5	21.8	28.0	28.6	32.0	31.1	28.8	26.5	21.7	18.2	13.8	11.6	14.4	14.1	23.3
11	16.8	20.3	29.2	26.3	16.8	16.7	16.7	23.3	21.0	20.5	20.3	20.1	22.5	24.7	27.3	30.0	31.1	30.2	25.8	22.7	18.9	15.9	14.5	16.6	22.0
12	20.1	16.8	19.9	32.1	23.1	23.4	22.9	19.5	20.5	21.5	20.0	19.1	21.9	26.4	28.1	33.1	31.2	30.2	28.3	22.3	19.6	17.3	16.5	17.6	23.0
13	16.7	18.6	18.1	16.2	16.8	17.4	22.5	19.6	25.2	18.6	18.6	20.9	24.9	27.7	27.7	27.3	25.8	23.4	22.5	20.3	19.1	17.6	17.7	18.1	20.9
14	18.1	19.1	19.1	18.8	19.2	19.5	20.0	20.8	21.3	21.5	22.5	23.7	25.5	27.8	31.5	31.4	29.2	24.4	19.5	16.2	13.0	14.1	14.4	14.9	21.1
15	15.2	15.2	15.4	20.0	20.0	17.3	18.5	22.5	21.6	22.0	23.3	26.9	23.2	28.6	31.2	30.6	28.7	25.6	20.0	14.5	14.5	24.7	16.6	18.4	21.4
16	20.0	20.5	20.4	19.8	19.4	19.8	19.8	20.4	20.7	22.9	24.4	24.9	29.7	31.2	31.4	33.1	31.2	27.7	22.9	18.6	16.7	16.8	17.0	18.6	22.8
17	19.6	18.6	30.0	19.6	18.9	19.8	20.8	21.7	20.5	21.7	22.6	23.6	26.8	28.6	30.7	30.1	28.6	25.2	21.0	17.2	15.9	16.0	16.0	14.6	22.0
18 D	16.7	22.0	17.6	15.9	15.7	14.5	22.5	21.1	01.2	26.3	29.4	29.0	34.7	33.9	33.9	32.1	29.7	27.0	19.8	16.3	17.2	16.7	17.3	18.3	22.0
19	22.0	22.5	21.5	22.7	24.4	19.7	21.7	24.7	24.4	21.5	21.5	25.4	28.9	29.1	32.1	31.3	29.7	26.3	21.0	17.7	15.4	15.9	17.4	18.3	23.1
20 Q	18.6	20.0	18.8	19.3	19.6	25.8	20.3	19.6	21.1	21.7	20.3	20.1	19.6	25.1	30.7	32.4	30.7	26.1	22.4	18.6	18.1	18.4	19.3	20.4	22.0
21 Q	20.5	21.5	24.4	21.8	21.7	20.3	20.3	20.5	21.5	21.0	19.1	21.8	24.9	27.9	28.9	27.9	27.2	25.3	22.0	18.0	14.4	15.7	17.4	18.6	21.8
22	19.1	19.6	19.3	20.4	26.3	19.5	19.0	22.0	20.3	24.4	25.6	23.3	27.6	28.4	29.0	29.7	29.0	27.0	22.5	18.0	16.0	14.7	14.9	15.8	22.1
23	17.6	23.0	18.6	16.6	14.4	16.7	19.3	20.3	33.1	34.5	27.3	26.1	18.6	29.0	33.1	34.3	29.9	24.8	19.2	14.0	13.7	14.7	17.2	21.1	22.4
24	21.9	22.7	21.5	21.5	24.3	19.0	28.9	25.7	28.9	25.7	23.0	38.1	38.1	61.5	46.8	38.3	35.1	29.6	23.8	20.6	19.0	19.2	19.0	19.0	28.0
25 Q	22.2	23.0	23.0	24.7	21.7	21.5	21.5	21.7	23.2	23.2	22.7	23.8	26.8	28.1	29.1	27.9	26.8	24.9	21.6	17.6	14.0	15.3	17.0	18.2	22.5
26 Q	21.6	20.3	19.3	19.5	19.1	19.1	19.6	20.3	20.9	21.3	21.8	23.2	24.5	26.5	28.8	29.5	26.6	22.0	20.3	16.1	16.7	18.0	17.4	16.7	21.2
27	19.1	18.4	18.4	19.0	18.7	21.4	15.5	18.4	20.8	21.3	22.2	23.7	25.0	25.8	26.1	27.3	26.1	23.1	21.1	20.3	14.5	14.5	15.8	17.2	20.6
28 D	17.2	16.4	16.4	16.6	17.3	18.7	30.0	25.1	26.6	28.0	28.5	30.9	30.4	37.7	34.8	29.8	23.2	18.7	18.4	16.4	16.9	17.9	18.4	18.7	23.0
29 Q	19.7	19.3	19.3	19.3	19.3	19.5	20.1	20.3	20.9	21.5	22.8	23.2	24.8	26.3	26.7	27.5	25.1	21.1	17.1	16.2	15.7	16.5	17.2	17.2	20.7
30	19.3	19.1	18.6	29.0	23.0	22.2	16.4	20.8	20.8	20.1	21.3	21.3	22.2	18.9	24.5	27.1	26.3	25.1	22.5	15.8	14.5	14.5	15.7	15.9	20.6
31 D	16.9	16.4	20.3	25.1	31.9	17.9	17.4	14.5	07.8	18.4	22.7	20.2	27.5	31.1	31.4	31.1	28.5	22.2	17.4	17.9	17.2	17.1	18.0	17.5	21.1
Mean	19.2	19.3	20.2	20.3	20.0	20.8	21.7	21.1	21.0	22.0	22.4	24.4	26.6	29.4	30.7	30.9	29.0	25.5	21.5	17.9	15.9	15.8	16.5	17.5	22.1

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

Table 31 Meanook — Z = 59,000 γ + — August 1944

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	162	155	150	148	177	152	148	038	073	-09	-11	-08	071	131	135	133	136	132	131	127	127	128	134	142	113
2 D	142	151	148	152	157	161	157	150	142	139	142	145	145	145	141	138	145	142	148	157	164	218	247	319	162
3 D	256	266	065	130	179	157	129	157	264	121	183	089	155	178	193	172	155	151	149	165	169	177	189	204	169
4	193	178	162	153	151	152	146	130	122	142	144	131	131	118	132	129	130	133	131	134	138	146	145	146	142
5	146	155	152	152	152	148	148	147	145	132	098	129	142	144	135	134	136	132	131	134	141	146	152	156	141
6	141	145	202	157	138	129	133	127	028	028	104	160	155	136	135	128	117	129	130	134	144	150	156	151	132
7	152	183	196	184	161	152	139	139	142	137	132	133	142	139	141	139	141	141	138	139	135	138	139	142	147
8	142	141	137	138	139	138	145	143	145	120	082	100	138	141	133	130	129	130	131	134	152	149	146	144	134
9	147	163	173	163	165	155	152	152	153	144	133	136	141	142	147	142	139	139	142	142	137	136	134	138	146
10	141	136	143	138	138	141	-06	-19	090	091	-18	098	142	142	125	116	120	122	123	128	137	139	139	146	110
11	148	165	212	173	163	150	087	077	098	129	136	143	144	144	144	145	144	141	142	145	149	157	163	178	145
12	185	163	193	173	170	184	155	130	120	127	138	127	117	125	149	153	145	133	129	133	136	134	133	148	146
13	149	183	137	119	118	117	130	118	071	109	090	118	122	123	124	124	120	117	117	118	135	144	137	136	124
14	134	138	134	131	131	130	130	131	129	130	133	133	132	130	129	128	127	119	112	117	117	127	128	128	128
15	131	131	145	152	145	142	142	142	131	118	081	102	103	122	131	130	131	133	133	139	145	149	152	142	132
16	145	139	138	144	145	139	138	141	125	109	097	086	095	117	119	122	123	125	124	124	129	133	141	145	127
17	149	163	187	158	145	144	138	131	130	130	131	132	135	133	130	131	129	128	122	120	123	124	128	128	136
18 D	131	149	142	133	130	153	185	136	-04	-26	-27	072	109	144	145	139	138	138	147	152	150	146	148	149	120
19	163	196	182	163	182	174	161	137	039	071	088	093	114	131	127	125	132	131	129	134	141	142	139	145	135
20 Q	151	163	152	144	144	134	131	125	117	118	123	120	108	139	135	137	138	141	139	139	142	145	147	147	137
21 Q	147	144	147	147	142	142	137	136	133	138	122	125	125	130	134	134	135	135	133	133	136	145	142	142	137
22	144	145	144	147	133	143	138	133	131	066	066	089	103	130	144	136	129	123	120	119	133	145	149	155	128
23	161	228	182	161	152	176	172	138	060	001	023	080	062	122	138	128	128	127	118	124	121	128	137	137	125
24	129	134	147	156	153	069	102	102	-33	-158	-107	-102	011	-90	006	088	105	107	107	110	112	115	118	121	063
25 Q	124	127	124	127	123	120	116	118	107	105	096	106	112	116	111	102	104	110	132	122	127	128	128	138	118
26 Q	141	141	139	139	138	138	139	139	137	139	138	141	141	138	130	130	128	125	127	129	136	149	153	153	139
27	154	150	141	143	152	149	087	105	139	145	141	140	138	133	133	132	130	130	128	135	133	136	137	138	135
28 D	138	147	141	139	147	170	001	-140	109	122	127	066	080	091	125	130	128	130	141	152	163	175	165	151	117
29 Q	143	152	147	141	139	141	146	146	151	148	143	145	141	138	138	135	136	134	130	132	134	136	142	145	141
30	151	160	163	148	153	146	109	120	135	119	120	125	128	112	127	134	136	135	137	138	147	143	146	152	137
31 D	155	179	206	201	130	159	138	-28	-134	060	098	055	126	146	140	137	130	147	146	152	159	159	170	171	125
Mean	151	160	156	150	148	145	128	110	103	095	095	104	120	125	131	132	131	131	131	134	139	145	148	153	132

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook — August 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	13	25	778	12	03	568	210	11	52	43.1	07	35	07.3	35.8	04	36	198	09	59	-44	242
2 D	23	55	988	19	50	734	254	12	47	34.3	23	38	03.1	31.2	23	54	437	16	30	134	303
3 D	03	17	1260	08	00	023	1237	06	48	75.6	06	30	-06.6	82.2	07	57	343	11	46	-16	359
4	00	15	798	13	08	685	113	16	12	34.1	20	55	12.8	21.3	00	56	206	08	32	066	140
5	13	50	761	21	08	686	75	15	32	33.0	22	47	12.6	20.4	23	10	165	08	11	066	99
6	02	58	806	08	58	683	123	03	18	36.5	21	05	10.9	25.6	02	50	257	08	53	-85	342
7	14	30	775	20	43	721	54	15	45	33.1	21	47	14.0	19.1	03	27	202	06	53	121	81
8	23	17	781	20	08	693	88	15	20	37.0	22	05	11.8	25.2	06	12	260	10	34	034	226
9	04	32	772	19	10	711	61	15	40	33.1	22	14	12.2	20.9	02	05	185	09	40	124	61
10	06	09	932	10	28	496	436	06	37	46.3	21	20	10.7	35.6	05	50	171	06	29	-177	348
11	02	35	802	06	42	671	131	02	50	47.6	06	20	12.0	35.6	03	45	293	06	50	042	251
12	02	55	1097	07	35	706	391	02	52	50.0	22	37	15.4	34.6	03	08	334	09	15	103	231
13	01	23	863	19	49	712	151	06	17	32.9	22	10	11.8	21.1	01	22	266	08	30	041	225
14	13	22	779	19	16	692	87	14	55	32.6	20	45	11.6	21.0	01	00	142	20	23	106	36
15	23	15	777	19	02	700	77	14	57	32.1	03	00	12.6	19.5	03	52	169	11	00	059	110
16	10	22	778	18	48	714	64	15	57	35.2	21	35	15.7	19.5	23	12	152	11	22	074	78
17	01	55	776	18	45	704	72	02	35	35.8	23	53	13.6	22.2	02	35	210	07	15	118	92
18 D	06	20	865	08	32	-71	936	08	47	74.2	08	26	-58.8	133.0	06	17	212	08	30	-94	306
19	04	24	830	08	40	555	275	14	54	34.8	05	40	14.2	20.6	01	15	228	08	45	-27	255
20 Q	13	06	769	12	20	705	64	15	45	33.6	12	20	16.1	17.5	01	24	173	09	04	150	23
21 Q	15	23	765	19	00	709	56	14	22	30.4	20	35	13.8	16.6	03	43	155	10	45	107	48
22	14	12	773	18	23	717	56	04	23	35.8	21	25	13.8	22.0	04	15	163	09	44	-32	195
23	06	25	839	12	20	446	393	08	55	45.6	12	25	01.0	44.6	01	47	257	09	07	-28	285
24	05	19	901	10	33	413	488	13	22	101.9	05	42	-19.3	121.2	04	40	170	09	04	-186	356
25 Q	01	20	753	16	30	695	58	15	15	36.8	20	35	13.4	23.4	01	40	131	10	12	089	42
26 Q	11	28	753	17	20	687	66	15	28	31.4	19	42	14.5	16.9	23	00	163	17	47	118	45
27	07	27	770	06	49	647	123	15	12	28.7	06	40	02.9	25.8	05	36	174	07	03	028	146
28 D	06	38	844	07	25	319	525	06	21	63.8	07	25	05.8	58.0	05	40	198	07	12	-253	451
29 Q	23	35	761	17	27	691	70	15	18	29.0	20	00	14.5	14.5	01	30	160	19	10	129	31
30	05	23	809	13	05	696	113	04	37	38.7	06	50	08.7	30.0	03	15	195	06	50	048	147
31 D	03	42	950	08	21	510	440	04	11	47.2	08	30	-04.7	51.9	03	40	266	08	08	-317	583
Mean			836			601	235			42.1			07.0	35.1			214			016	198
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 γ + — September 1944

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		762	762	799	743	736	746	743	744	743	746	740	721	719	738	734	751	729	721	714	712	736	748	767	784	743
2	D	761	800	743	762	772	532	614	455	715	745	659	461	617	738	744	738	730	692	677	683	723	751	765	774	694
3		765	757	752	744	743	744	744	733	758	758	710	723	765	758	754	734	727	711	702	707	717	735	748	756	739
4		759	754	741	744	744	746	749	750	751	754	755	758	762	768	766	758	730	702	702	709	704	712	740	741	742
5		772	746	742	746	754	746	753	752	746	745	748	740	741	748	745	741	719	697	698	702	709	727	744	741	738
6		752	741	743	744	741	743	744	741	744	746	748	751	754	759	763	758	730	702	703	716	727	748	744	725	740
7		728	736	743	744	746	752	757	745	707	725	725	750	745	746	745	736	726	714	714	717	723	732	742	748	735
8		742	743	743	742	742	744	744	742	747	721	707	686	666	689	728	760	748	732	721	718	718	720	725	746	728
9	Q	746	748	744	746	749	749	748	748	747	748	741	749	752	751	747	742	733	726	725	732	739	748	752	748	744
10		750	743	743	741	745	751	747	712	700	724	743	747	760	748	747	735	731	725	723	729	732	740	755	743	738
11		741	740	732	740	742	742	760	752	750	750	752	749	756	748	741	736	726	721	724	736	748	741	758	741	743
12		762	755	748	742	747	754	699	731	732	743	735	657	688	761	759	740	724	719	717	724	734	747	754	747	734
13		730	719	730	735	741	738	741	742	743	748	751	750	755	756	751	743	727	715	720	727	735	751	744	731	738
14		738	738	741	754	754	747	746	747	740	747	742	746	742	741	732	726	723	711	725	729	738	747	747	750	740
15	Q	743	749	746	746	739	746	742	747	736	715	735	752	751	749	745	743	733	726	726	731	739	752	755	754	742
16	Q	747	745	745	740	732	738	728	731	744	745	746	748	743	742	744	736	736	738	738	740	744	745	745	745	741
17	Q	744	747	751	747	744	745	746	747	748	744	744	751	752	751	755	755	747	741	739	743	750	751	751	756	748
18		746	752	755	749	754	737	731	664	717	736	752	753	750	736	742	747	739	734	733	735	740	747	756	749	740
19	Q	738	736	738	742	741	745	744	743	746	757	757	756	758	754	756	754	742	732	729	728	734	735	742	753	744
20		749	750	750	750	752	751	754	750	755	759	759	754	745	755	761	755	741	737	730	731	739	748	783	742	750
21	D	770	798	915	755	752	752	773	755	740	638	625	662	734	755	753	748	732	724	720	725	731	740	752	740	741
22		742	734	733	736	746	746	747	743	745	746	749	747	749	749	749	743	727	715	710	704	716	734	743	754	738
23		765	736	741	734	744	738	708	699	733	732	720	745	763	762	760	750	733	725	727	731	728	728	725	752	737
24	D	859	1011	730	762	746	748	756	683	247	638	757	752	703	612	687	734	732	722	714	715	732	737	732	742	719
25		742	742	739	738	757	737	729	751	739	734	741	722	745	738	735	734	732	729	717	707	720	729	746	746	735
26		718	727	743	741	742	745	747	733	733	741	742	734	725	718	710	718	739	732	726	729	738	737	741	747	734
27	D	746	746	744	743	746	789	786	753	703	754	753	721	701	740	752	746	731	699	696	715	719	746	746	742	738
28		741	747	745	741	750	752	752	737	707	733	752	750	745	744	740	741	732	728	725	731	742	746	749	749	741
29		750	744	745	745	730	745	745	751	749	714	710	761	761	757	758	752	744	731	731	733	739	749	758	760	744
30	D	758	755	759	760	762	759	759	750	728	782	780	756	740	666	506	650	744	740	724	692	720	716	776	798	732
31																										
Mean		752	757	751	745	746	740	741	728	720	736	736	729	736	739	737	740	733	721	718	721	730	740	750	750	737

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 34 Meanook D = 25° E + . . .′ September 1944

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	12.6	33.8	18.8	16.9	17.2	16.9	17.9	19.3	19.4	21.3	24.0	20.8	24.2	25.1	27.5	29.0	25.1	21.6	18.4	15.5	15.1	15.8	18.1	17.4	20.5
2 D	18.8	26.6	22.4	33.1	19.8	17.4	23.2	15.0	23.8	20.3	17.4	17.4	33.3	28.5	34.8	35.8	30.2	27.1	19.2	13.0	13.0	14.2	16.9	18.0	22.5
3	16.1	19.3	21.3	19.0	19.4	19.3	21.5	18.2	17.5	19.3	17.9	17.1	23.7	26.6	27.4	30.0	26.1	24.3	21.5	18.4	15.8	15.8	16.7	18.3	20.4
4	20.9	20.2	20.1	21.3	21.0	19.8	20.0	20.5	20.3	20.8	21.6	22.3	25.1	28.7	30.7	31.7	30.9	27.5	24.4	18.6	14.6	13.0	12.1	14.0	21.7
5	13.5	20.3	20.5	21.1	20.3	27.1	21.9	20.5	20.8	21.4	22.2	21.9	24.0	24.6	27.3	29.1	29.8	27.1	22.6	18.2	15.5	15.4	16.6	19.1	21.7
6	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.0	20.6	21.7	22.2	22.7	26.1	29.4	29.1	30.5	31.9	29.0	19.3	16.4	14.9	12.8	14.5	16.4	21.6
7	18.8	19.3	19.0	18.4	18.4	23.2	22.7	18.8	18.8	34.8	24.6	23.0	22.7	25.7	28.2	28.5	27.8	25.0	20.2	16.4	14.5	14.7	16.4	18.3	21.6
8	19.7	19.5	19.5	19.5	19.0	19.2	19.5	20.8	24.0	25.6	25.6	33.8	34.3	38.2	37.7	31.9	25.8	25.1	22.3	18.2	14.5	13.5	14.8	16.3	23.3
9 Q	19.7	20.3	19.9	19.3	27.8	23.1	19.3	20.0	21.0	21.7	22.4	24.0	24.2	25.6	27.1	27.5	25.1	23.4	22.6	20.7	18.4	19.3	20.1	20.6	22.2
10	19.4	18.2	19.3	18.8	18.8	19.8	18.9	13.9	14.4	19.8	24.6	26.1	27.9	28.5	30.0	28.7	29.4	26.1	21.8	20.3	16.4	15.5	16.7	20.0	21.4
11	21.6	20.5	19.8	20.3	19.3	19.8	22.7	19.3	22.7	23.0	24.2	24.4	25.6	27.1	28.0	29.0	28.7	25.6	22.0	19.2	16.9	17.4	18.4	20.5	22.3
12	19.8	18.8	21.5	20.3	19.5	19.5	10.6	13.9	19.5	25.1	23.0	19.2	22.2	30.4	28.4	27.1	25.2	23.0	21.5	17.5	18.0	19.3	20.3	21.4	21.0
13	21.7	21.5	20.3	20.1	20.3	20.1	20.3	20.5	21.3	22.5	23.0	22.2	23.7	24.4	26.6	27.7	26.9	24.2	20.3	18.1	17.2	15.8	17.8	19.7	21.5
14	20.4	21.1	23.2	30.4	25.1	19.5	20.1	19.0	19.3	21.3	23.0	23.2	25.8	25.6	25.6	19.7	20.3	19.3	16.2	14.4	15.8	17.0	18.9	19.8	21.0
15 Q	18.9	18.4	17.2	18.8	29.0	24.5	22.8	20.3	21.6	17.9	18.6	23.2	24.6	25.1	24.7	24.7	24.1	23.7	21.3	18.5	17.1	18.3	18.8	19.5	21.3
16 Q	20.3	20.1	19.8	19.0	20.7	19.9	16.9	18.8	21.5	23.4	24.2	23.5	23.2	22.9	24.2	22.4	22.2	22.7	21.1	19.7	19.0	19.6	19.7	20.0	21.0
17 Q	19.5	19.8	19.9	19.7	20.5	20.5	20.8	21.2	21.6	22.9	25.1	24.6	24.5	26.0	26.9	28.5	29.2	25.6	22.8	19.3	17.6	17.5	18.3	19.6	22.2
18	20.5	18.6	18.4	19.6	27.5	22.9	23.1	20.8	29.4	27.4	24.9	25.1	24.5	24.0	26.5	27.7	28.0	27.1	24.2	19.2	16.2	17.4	19.9	20.3	23.0
19 Q	20.5	20.1	20.9	21.1	21.3	20.5	19.2	20.1	20.9	23.8	24.9	23.7	23.9	24.6	27.4	28.8	29.4	28.5	25.1	20.9	18.7	18.1	18.4	18.8	22.5
20	19.1	19.9	20.3	20.3	20.3	20.4	20.5	18.4	21.5	21.6	21.7	21.8	21.3	27.4	30.2	30.0	30.0	28.4	21.8	19.1	16.8	15.7	11.7	07.0	21.0
21 D	12.8	12.4	20.3	19.2	18.6	19.3	19.1	26.1	20.3	22.8	23.2	28.0	28.5	28.8	29.4	30.0	29.0	26.1	22.2	18.4	15.1	15.8	18.1	18.8	21.8
22	20.8	20.3	19.8	22.7	22.8	20.1	20.1	20.2	19.5	20.6	21.3	21.6	22.5	23.6	25.7	28.0	25.1	24.8	20.0	15.5	13.0	13.9	12.4	10.0	20.2
23	12.8	15.8	19.0	29.7	22.5	21.3	16.6	17.4	21.7	21.7	19.8	21.1	26.0	26.8	28.0	28.0	27.8	26.4	22.7	20.1	18.4	15.3	13.5	10.5	21.0
24 D	10.6	25.6	15.5	17.6	18.4	23.2	23.4	19.3	04.7	14.5	24.5	24.2	26.1	26.1	21.1	27.3	28.1	26.5	23.4	19.3	16.9	16.9	17.7	17.6	20.4
25	18.6	29.0	23.2	24.2	24.7	19.2	14.5	20.3	21.3	21.2	21.8	19.7	23.0	25.1	28.0	26.9	25.6	23.8	21.1	15.8	14.4	16.0	19.3	18.8	21.5
26	19.3	19.2	18.9	19.3	19.1	19.8	25.1	20.3	19.6	20.7	23.0	23.2	25.2	26.8	28.0	21.6	23.3	21.3	20.9	19.9	17.9	17.6	17.4	18.5	21.1
27 D	17.9	18.2	18.8	18.4	18.0	29.5	19.3	23.0	10.6	22.2	23.0	23.2	19.5	23.2	25.1	26.9	27.1	22.2	12.4	14.5	15.9	17.4	20.3	19.5	20.3
28	20.0	19.5	23.2	24.3	19.5	19.5	19.5	18.9	15.3	18.4	23.5	22.3	22.4	23.5	25.0	25.6	25.8	24.5	20.5	18.4	17.4	18.0	19.6	20.3	21.0
29	19.8	20.8	20.5	20.2	28.0	21.9	20.2	18.9	20.3	19.3	24.6	27.1	24.0	23.6	25.5	27.8	28.0	24.8	20.0	16.9	15.3	16.1	17.5	19.0	21.7
30 D	19.0	18.4	18.7	18.4	18.4	19.3	19.4	17.2	23.2	25.1	21.9	23.7	21.8	15.5	06.8	21.5	20.3	24.7	26.1	21.7	06.8	09.7	13.5	13.5	18.6
31																									
Mean	18.5	20.5	20.0	21.0	21.2	20.9	20.0	19.4	19.9	22.1	22.7	23.1	24.8	26.0	27.0	27.7	26.9	25.0	21.3	18.1	15.9	16.1	17.1	17.7	21.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook Z = 59,000 γ + September 1944

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	184	265	174	157	152	152	147	136	120	120	109	082	082	136	125	092	147	146	148	153	155	155	157	168	144
2 D	286	276	206	218	207	-91	-145	-80	-36	083	050	-112	-04	066	114	123	134	141	154	159	177	180	189	193	104
3	182	202	179	149	148	146	145	042	115	149	118	094	140	149	146	140	147	150	152	155	159	161	159	152	145
4	149	152	150	149	150	149	146	145	146	146	145	138	141	145	146	143	139	135	137	138	145	157	168	186	148
5	217	211	154	143	149	161	147	152	150	148	140	123	138	145	145	142	143	145	142	141	141	143	145	141	150
6	143	143	146	143	139	136	138	136	141	141	141	139	136	138	139	137	133	133	130	130	132	138	136	135	138
7	136	134	134	135	138	167	174	151	109	102	120	126	133	141	141	141	143	139	134	134	138	142	142	141	137
8	140	138	139	143	143	141	141	145	109	050	037	-24	-48	-31	033	093	130	140	141	145	150	161	161	157	106
9 Q	167	154	143	147	138	134	141	140	140	135	122	130	139	141	143	143	139	143	146	145	143	146	147	139	142
10	140	146	151	156	162	157	120	050	012	087	098	136	148	137	138	141	142	141	140	139	146	145	148	147	130
11	147	157	159	150	145	145	109	141	147	157	154	141	143	141	141	141	141	145	143	147	146	148	160	157	146
12	157	150	154	166	166	152	023	033	064	095	130	044	047	130	137	138	139	145	148	150	151	150	149	148	123
13	149	148	143	141	138	136	135	135	138	138	136	130	130	135	134	133	132	134	135	134	133	139	143	148	137
14	161	161	168	160	141	157	156	147	145	145	142	137	130	130	127	121	119	119	122	124	133	136	139	140	140
15 Q	137	141	139	148	160	130	133	134	130	096	109	138	136	136	136	137	141	141	141	138	138	139	139	138	136
16 Q	138	141	143	143	152	156	143	126	145	142	138	135	136	133	130	134	138	141	140	143	145	142	145	141	140
17 Q	141	141	143	146	147	147	145	145	141	136	100	125	130	135	137	141	139	137	136	135	138	138	139	139	138
18	141	163	206	173	109	093	132	017	043	105	130	139	141	139	138	142	141	139	139	145	151	154	153	148	133
19 Q	147	152	149	142	146	146	141	139	128	127	137	142	145	141	141	141	139	132	132	136	141	143	145	142	141
20	141	141	141	139	140	140	139	127	136	147	143	134	109	114	125	130	132	128	128	130	132	139	152	168	136
21 D	177	206	222	190	168	163	160	060	105	060	047	046	104	141	152	156	153	147	147	145	147	143	147	157	139
22	163	163	159	168	168	151	146	137	141	141	146	143	143	141	145	142	142	139	136	136	141	153	162	204	150
23	208	188	174	174	163	161	094	039	093	111	110	136	143	141	141	145	145	145	141	139	142	147	161	208	144
24 D	276	265	206	211	180	136	138	096	-134	017	135	152	115	091	128	145	149	150	155	155	154	163	177	176	143
25	173	166	165	163	105	076	082	123	145	143	141	127	137	139	137	147	145	146	146	148	155	155	163	170	142
26	179	182	157	152	154	155	159	120	082	109	145	139	126	115	133	125	127	136	141	146	152	152	152	152	141
27 D	153	140	140	155	169	114	109	136	010	135	145	109	104	130	148	148	147	149	143	156	161	190	163	150	138
28	152	159	163	168	159	174	167	141	080	096	147	147	145	147	147	147	147	145	147	147	148	152	152	152	147
29	152	152	152	155	163	179	168	157	136	087	060	114	141	153	148	153	156	154	155	155	156	157	156	155	146
30 D	154	157	157	157	157	159	157	148	087	140	156	137	120	050	-64	071	136	146	155	168	179	163	195	233	138
31																									
Mean	166	170	161	158	152	137	126	111	099	116	121	112	118	125	128	134	140	141	142	144	148	151	155	160	138

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook — September 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	25	888	12	05	662	226	02	22	44.5	01	05	10.6	33.9	01	30	368	12	07	033	335
2 D	01	06	971	05	56	059	912	06	03	64.8	05	45	-45.0	109.8	01	00	406	11	43	-307	713
3	07	50	834	07	33	645	189	07	45	32.9	07	10	-0.1	33.0	00	55	228	07	27	-106	334
4	13	35	777	17	56	686	91	16	20	32.9	23	05	09.7	23.2	23	46	203	17	45	130	73
5	00	52	804	17	40	685	119	05	35	33.1	01	55	11.6	21.5	01	06	282	11	34	115	167
6	14	05	767	17	23	689	78	16	45	34.8	21	15	11.6	23.2	03	05	163	18	55	120	43
7	06	07	797	08	52	655	142	19	17	42.5	21	00	13.7	28.8	06	08	204	08	51	026	178
8	15	51	775	12	26	622	153	11	50	44.3	20	55	12.1	32.2	21	30	168	12	30	-90	258
9 Q	22	17	773	17	55	723	50	04	25	33.8	20	17	16.6	17.2	01	02	168	10	33	109	59
10	22	27	794	08	16	665	129	14	48	32.9	08	05	05.8	27.1	04	58	168	08	15	-42	210
11	06	53	800	18	00	717	83	06	07	32.4	06	55	13.5	18.9	02	10	170	06	33	033	137
12	13	10	786	11	17	556	230	13	02	37.0	06	55	-0.8	37.8	04	18	178	06	52	-82	260
13	12	22	764	17	50	688	76	16	15	35.3	21	37	13.9	21.4	23	05	157	11	48	123	34
14	03	33	768	17	18	697	71	03	55	42.5	19	35	12.1	30.4	02	15	179	16	16	109	70
15 Q	05	29	772	09	07	702	70	04	30	41.6	06	12	13.3	28.3	04	27	174	09	10	079	95
16 Q	07	45	771	06	53	680	91	15	00	25.3	06	52	09.0	16.3	07	52	165	06	56	087	78
17 Q	23	25	772	10	08	731	41	16	46	32.1	20	55	15.8	16.3	04	35	152	10	26	079	73
18	04	21	779	07	28	610	169	04	39	39.2	07	25	07.0	32.2	02	31	229	07	25	-75	304
19 Q	09	03	771	18	26	722	49	17	43	31.4	20	52	17.0	14.4	06	40	151	09	20	109	42
20	22	25	833	23	56	712	121	15	05	32.6	23	37	02.6	30.0	23	35	184	13	03	096	88
21 D	02	25	1071	09	58	479	592	07	19	45.0	10	20	05.8	39.2	02	02	271	07	25	-48	319
22	23	52	775	19	38	697	78	04	50	30.4	23	45	06.8	23.6	23	50	238	07	20	130	108
23	23	58	787	07	05	624	163	04	45	30.9	23	45	06.8	24.1	23	59	249	07	06	-37	286
24 D	01	12	1178	08	25	-64	1242	01	18	46.9	08	20	-52.2	99.1	00	50	357	08	20	-215	572
25	04	25	806	19	35	692	114	04	14	46.6	04	44	10.0	36.6	01	17	193	04	44	044	149
26	09	39	767	00	54	665	102	07	18	31.9	07	55	06.6	25.3	00	40	217	08	02	023	194
27 D	05	18	833	08	26	637	196	05	52	41.6	08	27	-04.3	45.9	05	11	209	08	25	-104	313
28	10	10	762	08	44	678	84	03	30	28.9	07	50	11.4	17.5	05	40	184	08	43	033	151
29	11	00	772	10	02	644	128	04	32	33.3	20	20	14.5	18.8	05	52	190	10	15	012	178
30 D	23	52	802	14	39	372	430	15	46	37.2	14	40	-05.8	43.0	23	52	271	14	25	-112	383
31																					
Mean			818			611	207			37.3			05.0	32.3			216			009	207
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 1944

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	753	739	739	746	751	753	753	753	721	699	730	542	698	755	747	751	731	712	729	729	730	746	752	752	730
2		758	754	752	750	750	750	750	750	752	747	742	726	743	740	754	748	741	736	733	735	742	750	741	740	745
3		746	751	760	758	782	774	760	750	727	759	748	739	712	714	743	750	739	734	729	726	723	746	771	750	745
4		754	745	750	748	744	748	751	749	750	749	743	749	759	759	755	744	740	737	730	730	730	740	744	724	745
5	Q	725	740	731	734	744	748	748	752	750	755	752	748	763	762	763	755	740	739	734	739	742	742	740	741	745
6		741	751	755	760	757	756	767	760	756	755	756	760	763	752	763	760	752	744	722	715	723	725	745	729	749
7		744	748	751	753	751	749	750	750	751	751	751	752	736	751	753	751	744	737	728	721	727	742	744	743	745
8	Q	738	752	752	754	752	752	753	753	752	756	759	760	760	759	759	756	745	738	732	731	737	742	746	756	750
9	Q	749	746	743	745	750	752	764	756	758	737	756	767	768	763	760	754	745	738	730	731	737	745	750	753	750
10		758	759	760	760	760	760	760	756	758	741	745	753	762	768	767	760	746	740	735	728	733	741	738	768	752
11	D	811	955	984	986	772	749	721	723	749	768	768	769	760	731	690	693	673	725	735	737	745	723	745	746	769
12		748	755	753	753	750	769	756	751	750	742	742	732	723	754	746	737	729	727	740	741	746	753	757	763	747
13		734	734	744	743	747	749	746	748	751	752	757	756	747	716	708	730	738	732	732	731	737	741	746	746	740
14	D	750	756	747	747	746	743	747	754	715	529	412	513	669	755	758	734	733	738	723	725	725	766	801	961	719
15	D	1031	1012	992	825	805	740	718	719	661	575	562	701	740	762	757	737	723	717	716	727	739	763	784	751	761
16		733	751	731	740	747	748	735	730	748	691	739	763	755	747	750	747	733	718	711	723	740	753	752	758	739
17		755	752	747	756	750	753	741	744	759	736	762	731	728	774	764	755	741	737	737	740	748	747	744	736	747
18		770	791	797	759	763	766	783	769	767	755	713	681	717	771	762	755	742	741	748	749	753	762	763	759	756
19	Q	754	753	755	753	752	751	745	755	747	716	765	764	761	755	752	750	748	744	741	742	746	752	756	755	750
20		756	758	759	757	761	762	764	766	766	766	767	768	768	770	764	759	738	730	732	745	756	759	756	753	758
21	Q	753	761	763	762	763	764	764	764	734	758	764	768	768	762	764	761	745	734	730	728	741	753	760	766	755
22		756	752	754	763	767	766	767	756	732	776	768	768	769	773	771	769	758	744	744	744	750	757	763	767	760
23		762	767	768	770	774	770	773	784	780	770	767	770	767	774	780	732	696	714	698	725	760	753	753	760	757
24	D	772	796	780	767	767	765	773	707	765	742	715	665	722	774	761	769	755	730	727	711	736	767	764	765	750
25		759	768	771	772	778	781	774	773	767	764	770	762	763	772	768	771	757	750	746	741	755	759	771	776	765
26		753	758	770	777	774	729	634	756	768	739	747	755	763	770	768	765	763	753	746	756	757	763	764	770	754
27		760	773	773	770	722	773	767	771	771	764	764	772	771	764	764	765	748	749	746	746	749	760	768	766	764
28		768	773	767	769	769	769	758	766	772	762	764	758	765	771	769	765	756	753	743	738	747	756	757	769	762
29		768	769	769	764	765	769	769	766	766	766	768	771	772	774	775	773	764	753	746	745	756	761	765	757	765
30		759	769	771	768	766	777	756	768	757	777	778	775	776	774	774	768	761	758	757	758	765	772	777	773	764
31		759	755	757	757	767	767	720	737	679	754	768	760	788	775	778	770	760	741	736	746	760	764	766	755	755
Mean		764	772	772	767	761	758	751	753	748	737	737	735	750	759	758	753	741	737	733	735	743	752	758	762	751

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 38 Meanook $D = 25° E + \ldots'$ October 1944

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	19.7	17.7	21.6	22.1	24.0	21.6	22.6	20.6	19.4	18.5	22.1	23.3	19.3	24.5	29.8	30.3	29.3	23.5	22.1	20.3	19.2	21.6	20.5	21.1	22.3
2	22.1	23.5	22.1	22.0	22.0	21.8	21.4	21.4	21.4	24.1	24.0	23.7	22.9	21.2	28.0	30.3	30.6	25.5	23.0	21.1	18.7	18.7	19.6	19.2	22.8
3	20.6	24.5	22.6	20.6	44.5	26.9	25.7	21.2	20.6	23.5	25.0	25.7	23.5	25.9	28.8	28.6	27.3	24.5	22.1	20.2	17.9	16.3	19.6	17.7	23.9
4	20.6	21.1	22.6	21.5	21.6	23.5	21.6	22.1	22.1	21.6	20.5	22.1	23.3	24.8	26.4	28.2	26.8	24.7	24.3	20.6	18.2	18.9	20.2	21.4	22.4
5 Q	21.4	21.1	21.8	23.0	20.6	20.5	20.6	21.1	20.9	23.0	24.0	21.1	24.3	24.5	26.9	28.2	27.4	24.3	23.6	22.4	20.7	19.9	19.4	20.1	22.5
6	20.1	20.6	21.1	21.3	20.1	31.3	32.7	20.3	20.6	21.8	22.6	24.5	25.3	26.4	28.1	29.9	30.3	26.8	25.0	16.8	14.4	14.3	10.5	13.2	22.4
7	17.2	18.4	21.6	26.4	25.7	24.5	21.6	21.4	21.6	21.6	21.7	22.6	20.3	21.6	25.0	27.4	27.9	26.9	24.5	20.0	17.7	17.7	17.3	17.7	22.0
8 Q	18.7	20.4	21.2	21.6	21.3	22.2	21.4	21.4	21.4	21.6	21.6	22.0	22.9	23.7	26.1	27.4	28.4	27.4	23.5	21.3	19.7	19.1	19.0	19.5	22.2
9 Q	19.0	20.2	19.5	20.6	21.1	22.0	23.5	21.2	21.5	20.8	20.8	20.6	22.6	23.6	25.4	26.2	25.7	24.3	21.6	19.8	19.7	19.7	20.4	20.6	21.7
10	20.6	20.6	20.9	20.9	20.9	21.0	25.0	21.4	21.1	23.0	22.4	24.0	25.9	25.9	26.8	27.4	26.4	25.1	21.6	19.2	17.2	16.0	14.8	11.9	21.7
11 D	13.9	25.0	17.7	25.3	25.5	21.1	23.5	20.7	26.9	23.5	24.1	25.5	26.4	29.3	31.7	37.1	30.4	25.2	22.8	20.2	18.7	20.7	21.0	21.1	24.1
12	22.6	20.6	25.5	24.2	20.0	24.5	21.8	20.5	22.0	22.1	23.5	21.3	21.6	23.9	25.5	24.9	23.3	20.6	19.4	18.3	18.7	18.2	21.7	21.6	21.9
13	21.4	23.5	21.1	20.8	20.8	20.8	21.1	21.4	21.9	21.8	23.6	24.2	25.2	24.8	22.4	25.5	24.8	23.5	20.3	17.8	16.5	17.2	19.7	22.1	21.8
14 D	23.3	21.2	21.2	20.8	20.3	22.6	24.9	25.8	23.1	27.9	24.8	52.5	35.6	35.6	30.2	27.4	16.6	17.7	13.6	15.1	09.8	11.9	11.3	16.1	22.9
15 D	23.5	23.7	24.5	45.0	25.9	20.6	20.6	21.6	22.6	25.9	25.7	29.3	28.8	26.1	27.4	26.9	24.0	19.4	16.8	15.0	16.2	16.2	22.7	19.9	23.7
16	19.1	23.0	22.8	22.6	20.9	21.8	13.9	21.1	22.6	18.7	20.7	26.3	26.9	28.0	28.5	27.9	26.5	21.6	15.8	12.8	14.1	17.7	20.1	21.6	21.5
17	24.0	21.9	21.1	21.6	24.0	22.5	20.6	29.3	23.5	20.6	20.6	22.9	24.5	25.8	27.9	27.9	27.9	25.5	22.7	20.8	19.4	18.7	16.8	16.5	22.8
18	18.0	16.8	24.3	20.6	20.8	22.1	30.2	25.4	20.6	22.6	22.6	23.1	23.5	25.8	27.6	27.6	26.2	24.5	22.6	21.3	20.1	19.7	20.4	21.6	22.8
19 Q	21.8	21.6	21.6	22.2	21.6	19.7	19.7	21.6	22.2	17.7	24.3	24.3	23.5	24.4	24.8	25.5	24.5	23.6	21.5	19.7	18.7	19.5	20.4	20.6	21.9
20	20.6	21.1	21.1	21.5	20.6	20.6	20.6	20.6	21.0	21.6	22.1	22.6	23.4	24.1	25.5	26.8	26.4	21.1	13.4	12.6	12.8	15.8	17.7	19.7	20.6
21 Q	19.7	20.1	20.9	20.7	20.6	20.9	21.7	22.2	21.1	26.4	26.4	23.3	23.0	24.4	25.8	27.4	27.7	24.3	21.3	16.6	16.5	17.1	18.1	19.7	21.9
22	20.5	21.4	21.8	21.6	21.5	22.0	20.8	20.6	20.4	23.7	22.1	22.5	22.9	23.3	25.2	26.4	26.9	22.6	20.6	18.2	18.1	19.1	19.9	19.9	21.8
23	20.4	20.6	21.1	20.5	19.5	20.5	20.2	21.1	19.5	20.7	21.6	21.9	21.0	22.5	25.2	19.7	09.3	14.4	05.5	05.2	13.9	14.1	14.8	18.7	18.0
24 D	17.6	29.9	38.6	28.4	21.2	21.6	17.7	12.4	22.6	23.3	25.5	20.6	24.0	26.4	27.9	27.2	26.4	23.5	18.7	14.1	14.3	17.7	18.2	19.7	22.4
25	21.1	20.6	19.8	20.6	21.2	19.6	20.6	19.1	21.6	21.6	22.9	22.6	24.7	24.5	25.1	25.8	23.6	21.0	18.7	16.8	17.1	18.7	19.3	19.7	21.1
26	17.2	23.5	20.6	19.1	21.1	11.9	14.2	29.1	25.5	22.9	26.4	25.8	24.5	23.3	24.3	25.8	25.1	24.5	21.6	20.7	19.2	19.2	20.3	21.2	20.8
27	22.4	20.8	20.1	26.0	21.1	20.6	20.6	20.4	20.1	20.5	20.8	22.9	23.8	24.0	23.5	25.5	22.7	21.4	19.9	19.5	19.6	20.1	20.6	20.2	21.5
28	20.2	20.5	22.8	24.2	21.1	18.0	21.6	22.5	21.6	23.2	25.9	25.9	27.9	27.4	26.0	25.7	25.9	23.1	18.9	18.0	19.2	19.2	20.6	21.6	22.5
29	22.3	22.1	22.1	22.3	25.0	22.6	21.0	21.4	21.6	21.8	21.8	22.1	22.4	23.1	24.0	25.5	26.4	25.8	23.5	19.3	18.7	19.2	18.7	18.0	22.1
30	18.7	20.8	20.7	21.1	21.1	23.0	18.7	22.9	22.8	22.1	21.8	22.6	23.5	24.0	25.0	26.2	26.4	25.5	22.8	20.5	18.7	19.7	19.4	20.4	22.0
31	19.6	19.7	22.6	21.8	22.4	23.8	20.4	28.7	32.4	22.6	24.3	25.5	22.8	27.0	25.5	23.8	24.3	22.4	16.8	17.5	19.7	20.8	21.6	21.6	22.8
Mean	20.3	21.5	22.2	22.9	22.5	21.8	20.7	22.0	22.1	22.3	23.1	24.4	24.2	25.2	26.5	27.1	25.7	23.4	20.3	18.1	17.5	18.2	18.9	19.5	22.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Meanook $Z = 59{,}000\ \gamma +$ October 1944

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	206	174	169	163	179	180	179	174	141	104	115	050	130	156	154	157	155	156	163	166	174	204	204	194	160
2	184	174	165	163	163	162	163	160	152	136	136	104	157	147	156	159	163	163	159	161	168	176	176	178	159
3	177	184	178	179	179	143	157	163	039	119	155	136	113	109	141	165	189	179	177	178	195	208	214	202	162
4	211	174	167	163	163	166	161	161	160	160	143	143	155	159	157	154	159	157	156	161	157	161	159	157	161
5 Q	159	167	169	168	163	157	157	156	147	146	141	126	146	155	157	154	152	150	150	153	157	159	157	156	154
6	152	152	157	155	155	159	136	145	152	152	147	137	147	154	155	152	149	148	147	146	151	157	181	184	153
7	169	163	169	174	168	165	167	163	157	152	152	148	148	152	156	157	160	161	159	159	159	168	168	168	161
8 Q	163	160	163	157	157	159	157	157	157	156	154	155	155	157	159	161	160	155	155	159	163	163	165	165	159
9 Q	170	165	173	171	174	173	163	141	149	130	125	147	152	155	156	157	157	157	154	151	153	154	157	159	156
10	154	152	152	154	155	155	152	127	130	118	107	119	130	150	156	154	156	156	155	152	154	161	169	184	148
11 D	245	289	244	215	233	190	152	134	130	163	163	157	154	139	098	033	050	152	165	168	170	168	179	171	165
12	168	178	179	168	167	160	159	157	157	156	151	142	136	163	159	157	159	166	166	169	179	181	180	179	164
13	168	176	168	163	163	160	157	159	157	154	152	148	146	127	120	130	148	152	155	163	174	177	175	179	157
14 D	188	168	166	167	170	163	109	136	093	-48	-80	-67	055	078	105	120	148	156	155	174	184	201	238	276	127
15 D	217	166	098	060	184	202	169	169	120	-37	-32	074	145	179	174	163	168	161	170	177	188	212	249	222	150
16	179	179	168	169	169	173	055	077	147	114	141	168	163	163	173	168	163	167	168	168	175	180	179	186	158
17	206	201	184	178	176	171	159	120	122	152	167	156	089	166	168	168	168	166	166	168	169	173	175	177	164
18	200	228	238	184	184	186	195	188	169	163	134	106	127	157	162	164	165	169	171	170	171	167	168	166	172
19 Q	167	167	166	166	168	163	161	163	100	081	134	162	160	160	160	159	160	159	159	164	165	165	164	164	156
20	163	161	162	163	163	163	163	162	161	161	157	156	157	159	160	160	160	157	152	152	156	161	163	165	160
21 Q	165	170	169	163	163	163	164	164	126	107	128	139	157	159	160	161	160	161	161	159	161	165	167	167	157
22	164	166	167	167	168	171	168	163	098	148	157	156	157	161	157	159	157	156	157	165	167	166	168	167	160
23	164	165	163	163	163	164	165	173	171	167	163	160	157	152	154	143	124	125	130	128	174	166	189	212	160
24 D	193	228	201	190	195	192	087	017	156	147	112	082	111	152	148	157	156	163	169	168	163	169	180	174	155
25	176	178	176	175	177	168	175	167	168	159	165	161	157	166	161	161	161	161	163	166	178	170	171	177	168
26	184	206	203	187	193	050	-21	109	157	152	152	154	159	163	164	165	169	166	169	178	175	174	176	173	157
27	173	174	174	173	171	167	166	165	168	161	154	166	164	163	167	165	168	170	170	171	171	171	170	170	168
28	169	168	174	174	179	141	120	166	170	161	151	152	161	173	180	165	161	162	169	169	168	170	170	171	164
29	169	165	164	169	169	168	166	162	160	157	157	157	157	157	157	157	159	159	160	160	162	162	163	163	162
30	163	163	168	169	171	120	093	143	109	136	157	164	163	159	157	157	159	159	163	164	166	167	163	161	154
31	162	181	204	207	196	163	031	114	066	141	159	157	195	168	166	170	163	162	163	166	174	180	174	171	160
Mean	178	179	174	168	173	162	141	147	138	131	133	133	145	153	155	153	156	159	161	163	168	173	178	179	158

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook — October 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	12	43	793	11	48	321	472	16	07	34.5	11	33	07.1	27.4	00	05	249	11	46	-26	275
2	01	20	767	11	20	706	61	16	10	35.1	11	07	16.3	18.8	00	03	201	11	10	071	130
3	08	25	848	08	39	655	193	04	44	65.1	08	36	06.9	58.2	04	27	247	08	37	-80	327
4	14	27	765	23	45	716	49	17	52	30.8	20	52	16.3	14.5	00	15	242	10	40	134	108
5 Q	14	37	771	03	05	722	49	16	40	30.3	08	53	16.8	13.5	03	25	174	11	21	120	54
6	06	05	791	19	12	699	92	05	47	44.7	22	55	07.1	37.6	23	30	212	06	25	101	111
7	01	20	767	19	40	716	51	03	50	34.5	20	48	15.6	18.9	01	34	179	12	45	134	45
8 Q	11	43	761	19	07	724	37	17	33	30.5	23	57	17.7	12.8	00	10	169	10	34	153	16
9 Q	06	50	789	09	54	714	75	06	50	30.6	07	28	16.6	14.0	04	45	179	09	53	085	94
10	08	15	782	22	12	713	69	06	50	30.8	23	45	09.2	21.6	23	55	195	10	17	085	110
11 D	03	05	1130	16	14	612	518	03	47	53.5	03	20	00.6	52.9	01	34	335	15	50	-15	350
12	05	38	843	12	30	699	144	05	43	44.8	07	02	09.5	35.3	05	35	223	05	45	071	152
13	12	30	779	13	49	693	86	15	26	28.6	19	57	15.2	13.4	23	48	206	14	40	109	97
14 D	23	55	1058	10	05	342	716	11	07	67.0	20	53	-01.8	68.8	23	16	319	11	23	-193	512
15 D	00	50	1074	10	13	444	630	03	21	64.5	02	31	06.6	57.9	22	35	288	10	14	-123	411
16	06	22	800	09	50	651	149	06	02	33.5	06	44	01.2	32.3	23	32	190	06	35	006	184
17	13	07	798	11	55	684	114	07	45	38.0	23	15	12.9	25.1	00	35	218	08	11	046	172
18	02	12	849	11	13	598	251	06	35	36.1	02	50	14.4	21.7	02	15	303	11	12	053	250
19 Q	10	33	779	09	31	648	131	11	05	26.9	09	30	09.0	17.9	05	07	175	09	36	026	149
20	13	33	773	18	06	722	51	15	40	29.3	18	45	08.4	20.9	04	11	168	19	15	141	27
21 Q	23	46	775	08	48	685	90	15	27	30.3	19	52	14.6	15.7	01	05	181	08	52	063	118
22	08	35	798	08	59	641	157	16	18	29.7	08	02	08.7	21.0	23	17	176	08	02	023	153
23	07	29	799	16	07	663	136	15	02	27.7	19	22	-04.8	32.5	23	05	225	19	45	114	111
24 D	01	39	831	11	55	626	205	02	34	46.0	08	04	00.7	45.3	01	45	260	07	23	-48	308
25	05	25	803	19	31	729	74	14	30	27.5	07	20	13.4	14.1	20	20	191	07	34	150	41
26	05	40	828	06	25	460	368	07	10	35.6	06	15	-57.9	93.5	01	39	217	06	12	-177	394
27	01	55	780	18	30	731	49	03	29	30.3	16	20	19.2	11.1	00	10	181	10	16	141	40
28	05	38	808	19	42	733	75	12	50	29.8	05	46	08.4	21.4	05	12	184	06	23	073	111
29	15	37	781	19	03	736	45	04	05	29.3	22	57	17.0	12.3	03	59	177	20	25	152	25
30	05	39	814	06	17	705	109	05	35	33.4	06	05	05.2	28.2	04	51	179	06	05	036	143
31	05	58	803	08	57	632	171	08	51	46.9	06	15	08.5	38.4	03	15	214	06	23	-15	229
Mean			824			649	175			37.3			07.7	29.6			214			045	169
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 1944

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	762	766	772	774	772	770	771	772	775	776	776	770	772	776	774	769	761	755	759	764	769	772	770	769
2		764	766	775	768	768	775	776	775	775	771	775	777	780	780	781	777	775	767	760	759	760	766	766	759	771
3		787	755	765	760	758	755	745	748	759	758	755	709	678	751	766	758	757	750	742	737	739	743	750	748	749
4	D	748	769	769	766	763	761	720	670	737	706	671	625	613	726	761	759	761	754	745	744	749	756	762	759	733
5	D	760	769	772	854	811	739	729	608	675	651	674	731	636	730	753	761	753	703	710	710	746	776	814	760	734
6	D	751	760	770	820	812	792	680	634	499	663	733	745	733	720	767	774	767	756	753	759	763	767	767	769	740
7		789	765	768	768	768	767	765	765	766	767	761	764	762	755	746	740	757	754	746	742	740	744	756	761	759
8		768	760	748	754	753	764	751	747	707	694	707	751	771	766	763	756	750	745	739	741	748	754	759	758	748
9		756	767	762	767	767	763	763	751	738	767	775	771	766	766	760	759	751	749	746	740	739	753	760	767	758
10	D	764	765	765	764	763	759	762	763	763	769	766	764	676	730	779	771	742	748	744	745	743	749	755	759	754
11		762	763	761	759	758	755	753	751	751	758	759	758	753	755	765	764	758	742	743	749	752	756	758	761	756
12		764	760	766	767	764	766	763	756	760	764	762	763	764	762	762	762	758	752	746	745	745	750	755	760	759
13	Q	765	765	765	764	763	761	761	761	762	763	766	764	763	763	765	763	760	756	749	746	748	757	761	760	760
14		759	764	766	768	767	766	768	767	767	766	766	767	770	773	773	766	760	756	753	750	753	763	766	764	764
15	Q	759	766	766	765	761	762	759	759	763	762	763	764	766	764	764	764	757	752	748	747	746	754	754	752	759
16		754	754	759	757	758	755	751	740	728	737	757	731	762	765	768	765	762	759	754	754	756	757	759	761	754
17		762	765	769	767	766	764	764	763	767	765	766	766	767	769	768	767	766	760	756	752	757	763	765	764	764
18		754	762	770	766	759	754	752	742	756	752	748	759	759	759	745	752	766	761	752	748	753	759	769	769	757
19		767	758	753	757	759	752	753	757	757	754	747	764	766	762	762	757	746	752	750	742	746	751	756	755	755
20	D	761	763	759	743	756	757	744	716	611	709	696	627	632	561	716	669	674	705	739	742	747	754	751	751	712
21		748	757	757	756	754	750	749	743	749	747	747	754	754	751	750	746	744	738	735	736	739	744	750	745	748
22		749	758	761	761	761	760	758	757	755	755	754	761	762	762	762	758	746	751	748	747	748	755	759	762	756
23		754	751	750	749	751	747	743	738	743	740	742	740	745	755	755	756	752	743	738	737	739	747	753	759	747
24	Q	760	759	759	760	756	756	757	754	752	753	755	756	756	755	754	753	752	748	745	744	747	753	756	759	754
25	Q	758	758	758	758	758	758	758	758	758	758	760	759	759	760	759	758	754	750	745	745	754	758	758	758	757
26		751	741	747	757	751	748	747	749	747	754	757	757	758	759	754	754	753	750	743	740	742	748	754	753	751
27	Q	753	751	756	752	752	750	750	758	756	755	759	760	762	762	761	759	754	752	749	750	754	759	764	766	756
28		755	764	762	761	761	762	762	761	759	758	758	757	756	755	753	748	744	743	746	747	750	763	769	770	757
29		770	771	766	763	757	758	759	760	761	761	761	751	761	765	765	764	759	757	754	751	756	764	765	767	761
30		766	762	761	760	758	759	760	762	760	757	756	757	745	760	772	771	757	760	757	754	753	753	758	756	759
31																										
Mean		760	761	762	766	764	760	752	743	738	746	749	748	742	750	761	758	753	749	746	745	749	756	761	760	753

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 42 Meanook D = 25° E + . . .′ November 1944

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	21.6	21.1	22.0	22.4	21.6	21.6	21.1	20.8	20.1	22.0	21.8	22.6	22.6	23.0	23.7	25.5	26.4	24.9	22.4	20.3	19.2	18.2	19.1	20.6	21.9
2	20.7	21.1	21.5	22.6	21.7	22.0	21.5	21.5	21.6	20.1	21.1	21.6	22.1	23.0	24.1	25.5	25.5	24.7	22.6	20.1	19.2	20.1	20.9	20.7	21.9
3	20.6	21.1	21.4	21.6	21.6	21.6	25.5	20.4	21.3	20.4	21.4	20.5	13.7	20.7	23.4	25.2	24.8	20.4	20.0	20.0	19.5	19.5	19.9	19.9	21.0
4 D	19.9	20.6	21.9	21.8	22.5	23.8	18.4	20.4	23.2	25.5	19.5	29.3	11.8	33.4	25.8	27.6	25.7	23.5	19.3	17.9	16.1	16.6	17.4	18.2	21.7
5 D	19.7	20.9	18.7	26.4	24.5	24.0	38.5	10.0	27.9	19.1	19.5	21.6	17.6	17.9	27.9	22.0	23.5	16.6	14.5	10.6	15.1	19.5	18.3	16.1	20.4
6 D	15.3	19.2	24.3	27.8	29.5	27.8	31.6	28.8	-3.5	30.5	25.3	28.8	25.5	27.5	19.7	24.7	26.7	25.8	23.0	20.7	19.7	19.7	20.3	20.7	23.3
7	20.7	21.8	21.4	21.6	21.9	21.6	21.3	21.6	21.0	21.0	20.1	20.4	21.6	21.7	20.3	17.0	19.7	20.0	17.3	15.8	16.3	17.5	18.2	20.1	20.0
8	20.6	20.9	20.9	21.8	23.2	19.7	23.0	28.6	24.5	25.5	27.4	30.9	22.8	23.3	24.7	25.2	24.3	22.1	19.5	17.7	17.8	18.2	19.5	20.2	22.6
9	20.2	19.9	22.4	21.1	20.1	20.9	20.6	24.0	32.0	26.4	21.9	22.8	23.0	22.9	23.5	24.5	23.7	21.4	21.1	18.0	18.9	20.1	19.7	20.1	22.0
10 D	20.6	21.6	22.0	22.0	22.0	21.7	23.4	21.9	19.9	21.0	21.2	23.8	24.5	26.4	30.8	29.1	27.7	17.9	14.1	18.0	18.0	19.2	19.7	20.2	21.9
11	20.3	21.6	22.1	22.2	21.6	21.4	21.5	20.0	19.2	20.8	21.4	21.6	21.9	21.2	23.8	24.8	26.2	21.9	18.6	17.5	16.8	18.0	19.2	20.1	21.0
12	20.1	21.1	21.6	21.3	22.0	23.0	20.8	14.7	18.6	20.6	21.1	21.3	21.9	22.4	23.2	23.7	24.1	22.8	20.4	19.0	18.2	19.1	20.0	20.0	20.9
13 Q	20.3	21.4	21.6	21.4	21.1	21.0	20.9	21.0	20.6	21.1	20.9	21.3	21.9	22.1	22.7	23.3	23.5	23.5	21.6	19.4	18.2	18.7	20.1	20.6	21.2
14	21.1	21.5	21.4	21.3	22.8	23.8	22.4	21.2	21.0	20.2	20.9	21.8	21.3	21.6	23.5	23.5	22.6	19.5	16.5	16.2	16.5	17.0	17.4	18.5	20.6
15 Q	19.4	20.1	22.1	23.0	22.9	25.6	21.1	19.8	20.4	20.5	20.9	21.5	22.3	22.8	22.8	23.8	24.1	23.5	22.1	20.5	18.9	18.7	20.0	19.7	21.5
16	20.3	21.1	22.1	22.9	21.4	22.0	22.9	25.9	28.4	28.6	20.1	17.7	23.4	23.5	24.9	24.7	24.5	22.9	21.0	18.7	17.9	19.0	19.7	20.2	22.2
17	21.1	21.6	21.6	21.8	21.4	21.2	21.5	21.8	21.2	20.1	20.6	20.6	21.4	22.7	23.7	24.5	25.2	23.0	21.2	18.4	18.2	18.7	19.2	19.2	21.2
18	19.2	22.4	22.6	22.1	22.1	21.9	22.1	21.0	25.1	21.8	21.6	24.3	23.5	25.0	23.7	20.1	23.4	21.8	20.0	18.8	18.0	17.9	18.0	18.5	21.5
19	20.0	20.8	22.9	25.0	22.1	20.4	27.6	25.2	20.9	19.2	21.1	20.9	22.6	24.3	23.4	22.8	24.5	22.1	19.3	17.7	17.6	17.6	18.7	20.0	21.5
20 D	21.1	22.1	21.0	23.8	37.1	28.8	24.3	24.5	20.2	24.6	21.6	26.9	27.4	22.6	17.4	21.0	22.6	12.9	10.7	13.9	15.8	15.8	16.2	18.3	21.3
21	20.2	22.8	23.5	23.5	22.9	22.0	22.0	22.6	23.2	21.4	21.9	21.9	22.3	22.9	23.3	24.2	24.5	24.1	22.8	20.7	19.3	18.6	19.4	20.6	22.1
22	21.4	21.2	21.8	22.0	22.0	21.6	21.6	21.5	21.5	21.6	20.5	21.1	22.3	22.8	23.3	24.4	23.2	21.9	18.6	15.6	16.5	17.5	19.0	20.1	21.0
23	20.4	23.7	23.5	22.8	22.8	22.4	21.5	23.2	23.1	22.3	20.0	20.8	22.8	22.1	22.1	25.2	25.4	23.3	20.2	17.9	16.9	17.1	18.0	18.6	21.5
24 Q	19.6	20.7	20.9	20.6	20.8	20.3	21.1	21.5	20.4	20.5	21.3	21.6	21.7	21.7	21.8	22.8	23.1	22.5	21.6	21.4	21.1	19.7	19.7	20.0	21.1
25 Q	20.6	21.3	21.5	21.5	21.4	21.2	20.9	20.4	20.2	20.4	20.7	20.7	20.9	21.3	21.6	22.6	22.6	21.4	20.0	18.8	18.6	19.4	19.7	19.7	20.7
26	20.0	19.4	20.0	19.7	21.1	20.3	19.7	19.9	20.2	21.3	20.9	21.2	21.6	22.9	20.2	23.2	21.4	23.2	21.6	19.6	18.6	17.9	18.8	19.7	20.5
27 Q	20.8	21.4	20.6	19.2	19.2	19.7	21.2	20.6	20.6	21.0	22.6	21.6	21.4	21.4	21.6	22.3	22.9	22.4	21.1	20.0	18.7	18.3	19.1	19.4	20.7
28	19.7	20.1	20.6	20.5	20.5	20.7	20.9	21.1	21.1	29.6	20.8	21.3	21.3	21.5	21.9	22.6	22.6	21.6	19.8	18.7	18.2	16.6	17.6	19.2	20.4
29	19.9	20.2	21.1	21.3	24.4	22.9	20.2	20.6	20.0	20.0	20.1	17.7	21.1	21.1	22.2	22.1	21.5	20.5	18.7	18.0	17.9	17.2	18.4	19.2	20.3
30	19.2	19.4	20.1	20.0	20.9	20.1	21.8	21.6	19.9	20.6	20.8	23.5	23.1	26.6	25.5	23.7	22.1	20.7	18.4	16.4	15.3	16.5	18.5	19.2	20.6
31																									
Mean	20.2	21.1	21.6	22.2	22.6	22.1	22.7	21.5	21.1	22.0	21.3	22.4	21.7	23.1	23.2	23.7	23.9	21.8	19.6	18.2	17.9	18.3	19.0	19.6	21.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Meanook $Z = 59,000\ \gamma +$ November 1944

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	168	171	166	164	163	163	164	162	160	161	160	161	157	160	163	163	163	155	155	156	160	162	161	161	162
2	161	163	166	173	169	174	168	163	164	156	163	164	163	163	164	165	165	166	167	168	169	170	169	167	166
3	168	163	162	159	160	164	168	148	152	151	156	128	088	128	142	142	154	155	159	164	167	166	166	165	153
4 D	165	167	168	173	174	174	093	-26	060	060	039	036	050	078	125	147	169	174	161	159	161	166	165	168	125
5 D	168	176	206	253	179	176	109	-162	001	070	095	130	109	133	127	177	163	152	179	147	177	249	285	232	147
6 D	215	228	255	301	282	206	163	060	-123	-11	087	120	120	102	174	179	168	168	169	169	169	169	169	169	154
7	169	170	168	166	164	164	165	166	159	157	156	157	155	156	147	139	147	147	155	163	174	174	178	174	161
8	179	177	182	183	187	196	169	120	044	071	044	100	174	175	171	164	166	165	165	163	162	165	166	165	152
9	165	173	171	171	167	168	166	130	069	109	157	167	165	165	164	163	161	160	159	161	165	168	166	165	157
10 D	165	164	165	165	165	165	165	164	161	161	161	152	088	064	109	140	142	161	160	164	166	169	169	169	152
11	169	169	171	171	170	170	171	143	147	163	165	165	161	164	167	166	165	164	165	161	164	167	169	169	165
12	169	169	168	169	170	166	168	136	156	167	163	165	167	163	166	168	168	169	171	176	176	177	175	173	168
13 Q	168	168	168	168	167	168	169	168	166	167	166	167	167	166	166	168	167	167	167	169	171	171	171	170	168
14	169	163	162	161	161	161	156	152	149	148	153	160	160	160	156	157	161	160	157	160	161	165	167	166	159
15 Q	168	166	170	171	170	167	164	162	163	162	163	161	160	160	161	161	161	163	165	167	168	169	168	168	165
16	165	165	167	170	167	165	157	143	066	109	128	107	139	154	159	157	157	157	159	157	159	160	162	163	150
17	159	157	157	156	156	156	157	155	153	156	156	157	156	156	157	156	156	155	156	163	163	163	161	159	157
18	163	170	166	160	168	166	160	147	120	145	152	157	155	150	142	136	146	147	151	156	161	161	161	161	154
19	161	163	171	187	171	174	166	123	147	157	153	167	166	157	157	157	161	155	155	161	164	165	165	166	161
20 D	166	168	167	182	191	189	163	066	024	098	084	087	075	023	033	070	142	130	145	147	154	163	174	176	126
21	171	169	168	166	163	163	164	169	166	165	166	169	170	166	166	166	165	165	165	164	167	170	171	169	167
22	165	165	165	163	163	161	160	161	161	161	159	162	161	161	162	161	160	155	151	152	152	159	163	164	160
23	163	171	176	173	170	174	161	146	150	140	146	152	156	163	166	167	163	160	161	163	164	165	165	166	162
24 Q	166	166	165	167	166	168	174	179	168	166	165	165	165	164	163	164	164	163	163	162	162	163	163	164	166
25 Q	165	161	161	163	162	161	160	160	161	163	163	164	163	161	160	163	165	164	165	169	169	168	165	164	163
26	163	179	192	193	177	171	170	169	168	166	165	163	163	160	159	154	162	163	165	169	169	169	168	171	169
27 Q	168	168	170	174	175	176	176	170	168	165	163	165	164	164	163	164	165	164	165	169	169	168	167	165	168
28	165	161	161	163	164	164	165	165	165	164	165	165	165	165	164	164	163	164	166	167	169	167	164	163	164
29	163	163	164	167	171	171	167	163	165	165	163	152	147	157	160	163	161	161	165	168	171	171	171	171	164
30	171	168	169	170	174	157	155	157	160	161	156	152	130	120	130	142	157	161	163	165	169	170	171	171	158
31																									
Mean	168	169	172	177	173	170	160	132	126	139	144	147	145	145	151	156	160	160	162	163	166	170	171	169	158

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook November 1944

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° E +			Minimum 25° E +			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	30	791	20	06	749	42	16	33	28.4	08	40	17.2	11.2	01	15	174	12	53	148	26
2	11	32	787	23	55	748	39	15	40	27.8	09	07	16.3	11.5	03	45	179	09	35	145	34
3	00	22	792	12	39	649	143	06	07	30.6	12	10	08.8	21.8	06	40	174	12	28	055	119
4 D	14	05	828	12	00	397	431	11	57	41.9	06	52	-0.5	42.4	17	18	190	07	26	-107	297
5 D	03	22	932	07	05	494	438	03	57	64.7	07	05	-05.0	69.7	22	02	385	07	30	-215	600
6 D	05	02	865	08	34	375	490	09	04	44.8	09	25	-30.9	75.7	03	25	325	08	30	-247	572
7	00	21	806	15	27	728	78	12	55	25.5	15	30	13.9	11.6	23	07	184	15	26	130	54
8	11	57	786	08	28	651	135	07	00	41.4	08	47	14.1	27.3	05	30	208	08	25	014	194
9	11	20	785	08	40	712	73	08	19	37.9	20	20	16.2	21.7	21	05	176	08	26	040	136
10 D	14	20	790	12	48	601	189	14	43	32.7	18	05	07.1	25.6	18	06	177	12	50	025	152
11	14	28	776	17	31	731	45	16	40	26.8	08	15	14.5	12.3	14	26	177	07	28	096	81
12	07	21	783	19	30	741	42	05	55	27.2	07	03	09.5	17.7	20	40	179	07	35	109	70
13 Q	01	30	769	19	42	743	26	17	00	25.2	21	00	17.1	08.1	22	00	174	13	30	163	11
14	13	15	778	19	26	744	34	05	17	27.9	19	05	14.8	13.1	00	10	174	08	00	141	33
15 Q	05	46	771	20	12	740	31	04	10	29.3	21	30	17.1	12.2	11	00	176	13	25	157	19
16	12	23	773	08	13	687	86	08	55	36.1	11	35	14.1	22.0	03	27	176	08	14	-32	208
17	13	52	779	19	03	746	33	16	47	26.4	22	07	17.7	08.7	22	04	168	08	08	147	21
18	22	52	780	07	59	719	61	08	37	34.2	07	55	13.2	21.0	01	20	175	08	20	095	80
19	06	47	793	10	31	729	64	07	18	31.1	19	35	16.6	14.5	03	25	214	07	17	068	146
20 D	07	02	837	13	06	466	371	04	18	44.8	15	00	08.3	36.5	04	22	218	08	24	-51	269
21	02	37	765	18	23	732	33	17	35	25.2	21	35	18.0	07.2	00	06	180	10	25	162	18
22	13	02	770	19	55	738	32	16	07	25.6	19	40	13.9	11.7	01	31	169	18	35	149	20
23	04	35	763	07	07	726	37	16	10	26.7	20	50	16.4	10.3	02	02	184	07	48	132	52
24 Q	03	27	763	19	33	739	24	16	25	23.8	08	02	18.0	05.8	07	05	187	21	30	161	26
25 Q	13	50	766	18	25	739	27	16	30	23.4	20	37	18.0	05.4	20	15	170	15	15	159	11
26	03	00	769	01	27	732	37	16	42	25.2	03	05	15.1	10.1	04	18	205	15	22	152	53
27 Q	23	35	772	06	00	738	34	16	15	24.1	05	57	16.8	07.3	05	46	190	09	55	157	33
28	23	54	774	17	18	738	36	16	47	23.7	21	08	15.1	08.6	21	00	174	01	40	160	14
29	23	50	771	11	46	738	33	04	50	27.0	11	52	14.2	12.8	04	47	176	12	10	134	42
30	14	45	781	12	30	731	50	13	30	29.8	20	40	14.6	15.2	05	05	179	13	21	107	72
31																					
Mean			790			684	106			31.3			12.0	19.3			194			078	116
No. days			30			30	30			30			30	30			30			30	30

98668—41

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 45 Meanook — H = 12,000 γ + — December 1944

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	756	760	765	767	766	764	765	768	769	763	764	716	740	756	764	759	760	766	764	758	752	751	759	764	759
2	765	753	762	769	767	756	747	734	703	655	649	731	769	772	770	758	722	737	750	724	719	746	747	760	740
3	761	755	759	770	757	756	747	758	756	751	749	755	752	741	751	763	759	755	750	748	747	754	753	754	754
4	759	761	760	761	752	764	763	757	759	759	755	759	764	766	764	764	766	763	758	750	748	752	756	764	759
5	766	764	756	754	753	753	752	748	698	711	732	732	744	757	771	772	769	759	754	748	749	754	753	752	750
6	749	750	754	762	760	765	764	744	738	711	744	751	759	762	762	754	755	760	757	754	752	754	756	755	753
7 Q	756	760	763	764	763	763	762	759	761	763	763	762	763	761	763	766	763	760	760	759	757	760	764	767	762
8	765	766	767	766	764	764	758	757	761	763	764	764	756	761	767	769	763	761	757	757	761	764	767	764	763
9	760	764	762	780	769	762	762	762	762	760	762	762	762	763	763	762	754	751	751	750	756	760	763	765	761
10 Q	763	758	759	758	762	765	764	759	758	757	758	760	760	761	760	758	754	752	751	749	752	757	758	760	758
11 Q	760	757	758	760	760	761	760	762	758	757	763	761	748	761	764	765	763	760	757	754	755	758	760	764	759
12	763	763	759	760	759	761	763	763	762	761	761	761	763	766	767	768	763	759	756	754	756	760	761	766	761
13 D	770	767	766	759	753	757	752	756	753	732	724	753	759	757	770	736	696	704	734	743	748	748	746	749	747
14	756	750	793	821	836	818	773	711	692	737	687	659	643	719	723	744	754	750	743	744	747	750	751	753	744
15	752	752	753	752	751	743	744	745	744	729	734	758	755	754	760	759	754	753	752	754	755	755	741	723	749
16 D	759	766	770	772	782	779	767	779	770	765	720	201	074	037	-208	-57	222	681	728	741	735	730	732	724	574
17 D	720	729	730	733	736	745	678	220	165	378	493	548	619	573	477	552	519	708	630	689	745	735	796	775	612
18 D	812																							748	
19	752	758	754	750	756	746	748	758	752	719	744	742	739	736	735	741	733	727	733	734	728	730	730	738	741
20	744	761	755	758	753	751	749	742	736	740	733	751	751	744	753	747	749	747	739	733	733	740	750	738	746
21	725	762	772	770	766	764	760	753	747	750	744	761	762	754	764	764	761	748	747	750	750	750	750	750	755
22	747	749	758	761	761	760	760	759	760	760	761	762	756	754	762	766	761	756	757	748	742	746	751	750	756
23	740	757	761	762	761	767	762	761	783	755	751	756	759	763	765	762	761	754	755	758	758	755	758	763	758
24 Q	762	760	760	760	759	762	762	760	760	758	758	758	758	754	752	762	760	748	743	744	743	749	758	757	756
25 Q	751	758	760	760	761	760	759	758	755	754	758	760	760	759	760	761	759	756	756	752	753	755	759	759	758
26	754	761	764	765	765	763	762	761	761	760	767	754	765	766	761	782	785	780	770	767	761	761	767	762	765
27 D	753	755	751	760	767	763	738	708	701	637	373	149	428	529	451	565	590	645	652	687	721	775	905	1005	659
28	910	761	750	746	745	743	742	731	731	657	704	723	727	774	787	778	768	757	756	755	754	757	760	756	753
29	748	755	756	748	756	756	748	746	703	671	744	740	748	764	774	767	761	747	746	737	738	741	761	770	747
30	748	754	762	774	771	768	778	752	665	707	722	679	715	760	771	767	767	754	754	755	753	745	740	761	747
31	754	754	757	756	759	754	753	756	759	761	760	762	761	760	753	756	760	761	750	751	761	766	760	760	758
Mean	759	757	760	763	762	761	755	734	723	723	721	701	712	719	709	720	725	745	744	745	748	752	760	764	740

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 46 Meanook D = 25° E + . . .′ December 1944

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	19.9	20.6	20.9	20.9	20.6	20.4	22.6	21.1	19.1	19.2	20.0	16.8	26.9	23.8	23.7	17.5	13.4	15.3	15.3	16.4	15.3	16.0	18.4	18.2	19.3
2	18.5	18.5	18.7	19.1	20.3	21.1	21.8	21.8	27.4	26.0	30.6	26.4	25.3	22.2	21.0	20.1	13.7	07.1	11.4	13.9	12.9	13.9	16.3	19.4	19.5
3	20.0	19.2	25.5	25.5	23.1	30.8	26.9	23.0	19.7	19.9	19.5	21.0	22.6	21.1	18.5	19.3	22.1	20.9	20.8	20.1	18.7	17.7	19.5	19.8	21.5
4	20.6	22.6	21.6	21.6	31.7	24.0	20.0	20.3	19.2	18.4	17.7	19.2	21.1	21.1	20.9	21.0	20.6	21.1	20.2	18.9	17.7	16.2	17.2	18.1	20.5
5	19.2	19.7	23.3	22.3	22.4	21.6	22.0	21.6	20.6	23.0	14.3	21.2	23.0	24.0	24.8	23.5	23.0	22.1	21.2	19.2	18.3	16.8	18.4	17.5	21.0
6	18.4	15.8	19.5	20.3	21.6	22.9	22.6	20.4	23.2	22.6	25.2	21.2	21.6	20.9	20.9	18.2	18.2	20.5	20.1	19.4	18.4	18.1	18.7	19.4	20.3
7 Q	20.1	20.6	20.6	20.9	20.9	20.3	20.0	20.0	20.2	20.0	19.5	19.7	20.0	19.3	19.9	21.5	21.8	21.6	21.0	20.1	19.2	18.5	18.9	18.9	20.1
8	19.0	19.7	20.0	20.2	20.2	20.0	20.4	24.0	19.7	18.2	19.4	19.9	17.7	19.2	22.6	22.6	23.8	21.1	18.9	17.1	16.7	16.1	16.1	16.4	19.5
9	16.1	16.3	15.3	22.4	19.7	21.3	21.5	20.9	21.6	22.3	22.6	21.0	20.6	20.9	22.0	22.8	22.8	20.8	18.5	16.8	18.1	18.7	18.4	17.9	20.0
10 Q	17.9	18.2	18.9	19.2	20.8	24.0	19.1	19.6	19.5	20.6	21.4	20.4	20.4	20.1	20.6	21.9	22.6	20.8	17.8	17.4	16.6	18.0	17.9	18.5	19.7
11 Q	19.0	20.6	20.9	20.8	20.8	20.3	20.2	20.1	21.6	18.4	20.0	23.4	19.2	19.7	20.0	22.6	22.2	21.3	20.6	19.7	18.6	18.7	19.3	18.7	20.3
12	19.2	20.0	19.7	20.0	20.0	20.6	20.3	20.1	20.1	19.5	19.9	20.1	20.0	20.3	21.9	22.7	23.0	23.0	21.6	19.7	18.7	17.7	18.6	19.4	20.3
13 D	19.4	20.8	22.0	21.6	22.3	30.8	22.5	20.1	20.4	18.7	20.6	30.3	34.5	28.7	21.5	21.9	13.6	06.3	06.3	12.2	15.1	18.5	18.2	20.0	20.3
14	18.5	20.6	22.1	28.4	24.0	32.7	32.4	31.3	25.0	21.6	20.1	18.7	17.1	18.3	16.4	18.9	21.3	20.6	19.7	19.7	18.5	19.0	20.2	21.1	21.9
15	21.1	21.1	21.6	21.6	21.0	23.4	28.4	22.4	19.6	17.7	17.9	22.6	21.5	21.1	22.1	21.6	23.8	23.5	23.2	18.4	17.2	18.1	17.2	19.5	21.1
16 D	19.7	21.6	23.0	23.0	20.8	19.2	21.2	17.7	18.1	22.1	14.8	-5.4	28.7	09.5	11.6	-22.4	47.8	24.0	29.3	24.1	23.5	23.5	22.9	22.6	19.2
17 D	22.6	22.9	23.2	23.5	25.8	37.8	23.7	-13.7	23.0	31.9	27.7	36.2	35.5	25.9	33.0	38.3	16.0	12.4	-6.4	18.1	20.1	08.8	16.4	18.4	21.7
18 D																								19.2	
19	20.1	20.0	20.6	23.0	22.4	22.0	24.7	22.6	18.1	11.2	22.9	21.4	22.6	22.4	23.5	25.9	27.2	24.1	21.6	20.0	18.2	17.4	17.4	18.2	21.1
20	18.7	20.9	20.8	21.1	21.5	21.5	22.6	24.5	26.2	25.4	27.1	25.2	24.9	27.1	24.4	23.5	23.8	24.5	22.3	18.7	18.7	16.0	15.7	15.4	22.1
21	21.1	21.0	17.4	21.1	33.6	20.0	20.2	19.7	21.0	21.6	20.9	21.6	20.9	22.1	24.5	24.0	24.5	23.2	20.6	17.9	16.5	17.1	16.7	20.6	21.2
22	20.6	21.3	20.6	20.4	20.1	20.0	20.0	20.0	20.0	20.4	20.1	20.2	20.6	18.3	19.3	23.3	22.4	22.4	21.3	20.2	15.3	15.8	17.4	17.7	19.9
23	17.7	19.2	21.0	21.2	22.5	22.6	20.0	19.8	21.9	23.7	22.9	22.1	21.0	22.4	22.2	22.8	22.4	20.3	20.0	18.7	17.9	17.6	18.3	18.7	20.7
24 Q	19.0	19.7	20.1	20.4	20.4	19.5	19.5	19.9	20.0	20.2	20.9	20.1	20.1	20.8	21.1	24.3	24.3	25.0	22.9	20.1	17.5	16.4	16.5	17.1	20.2
25 Q	19.1	19.5	19.7	20.2	20.2	20.8	20.5	21.1	21.2	22.1	22.1	20.6	20.1	20.4	20.9	22.1	23.1	23.5	22.6	20.6	19.1	18.0	17.6	18.2	20.6
26	17.9	19.4	20.1	20.7	20.8	20.5	20.8	21.1	20.6	22.4	23.0	24.0	18.2	22.6	26.4	29.8	28.7	23.4	18.4	16.9	16.2	16.5	18.0	18.6	21.0
27 D	20.1	21.1	22.5	22.6	22.1	22.9	25.9	25.5	28.8	38.0	44.4	47.6	48.7	22.9	-16.5	15.4	16.8	06.7	05.4	12.5	09.0	15.2	16.3	19.9	21.4
28	19.9	18.9	23.3	23.7	22.1	20.2	20.4	22.9	28.6	20.1	24.3	21.1	26.4	22.4	23.7	22.0	21.6	18.0	18.6	17.9	17.0	17.7	19.1	20.1	21.2
29	21.6	22.0	22.6	25.9	23.5	21.1	20.0	21.1	19.7	18.1	20.1	16.7	21.8	21.1	22.1	23.1	22.9	15.8	16.3	15.8	11.0	10.4	16.8	18.7	19.5
30	18.7	22.0	21.2	27.4	23.0	20.9	23.1	20.1	25.7	31.3	32.0	19.7	18.2	28.9	23.5	21.4	21.6	18.4	19.2	15.8	17.1	14.8	15.1	18.7	21.6
31	20.4	22.0	22.6	26.4	22.8	21.0	20.6	20.1	19.7	20.0	20.0	20.8	20.4	20.0	17.5	21.8	19.9	18.6	14.5	11.7	12.4	14.7	16.1	18.6	19.3
Mean	19.5	20.2	21.0	22.2	22.4	22.8	22.1	20.3	21.6	21.8	22.4	21.8	23.3	21.6	20.5	21.0	22.3	19.5	18.1	17.9	17.0	16.7	17.8	18.8	20.5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook — Z = 59,000 γ + — December 1944

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	170	168	169	168	168	168	159	159	167	159	148	077	093	109	123	150	149	148	148	157	166	168	174	174	152
2	177	193	190	179	176	179	189	087	040	-21	-38	055	146	167	167	156	137	148	157	168	195	192	182	190	142
3	191	206	222	209	189	147	104	147	163	156	159	168	163	152	155	166	163	164	168	169	173	178	176	176	169
4	176	187	181	182	175	174	167	159	157	159	145	156	163	164	163	165	164	165	167	169	171	174	175	175	168
5	175	178	182	186	181	179	169	152	098	028	081	104	130	133	141	156	163	161	165	167	167	171	171	174	150
6	178	198	200	190	188	210	195	180	163	063	113	136	150	161	157	159	154	157	163	168	169	174	174	169	165
7 Q	168	174	170	168	167	167	167	164	136	157	163	163	165	165	166	168	166	163	165	168	168	168	168	169	165
8	169	167	167	168	168	167	166	163	163	166	165	164	150	141	141	146	155	156	157	159	162	164	168	168	161
9	173	181	206	235	211	187	187	181	175	175	166	164	163	166	166	168	167	165	164	165	166	170	171	171	177
10 Q	174	176	178	182	181	176	168	168	166	167	169	169	169	170	169	168	169	166	166	173	173	167	166	170	171
11 Q	168	169	171	170	169	169	168	168	147	141	163	161	152	161	165	164	165	163	163	167	165	165	164	165	164
12	165	166	168	174	177	176	174	168	165	165	163	162	161	160	160	162	163	162	163	166	166	167	167	167	166
13 D	167	166	165	168	171	170	157	167	157	109	046	101	098	125	128	121	109	123	146	163	166	171	178	187	144
14	193	202	195	184	230	204	160	111	085	123	123	118	095	102	109	133	150	155	164	165	165	167	168	168	153
15	168	167	168	168	168	169	160	162	154	148	150	161	166	167	168	167	168	169	177	173	171	173	174	170	166
16 D	177	169	165	157	152	151	163	176	174	147	130	-364	077	303	044	263	207	168	168	188	190	197	201	195	150
17 D	190	184	188	184	184	174	067	-235	171	311	207	163	195	233	125	215	179	209	206	201	229	251	266	231	180
18 D	208																							195	
19	190	192	190	191	191	194	201	215	206	141	191	192	180	179	180	180	191	194	192	192	192	201	197	197	190
20	200	203	195	194	191	191	193	200	193	176	186	184	175	174	182	184	180	182	181	183	186	190	190	201	188
21	206	206	209	229	212	197	187	184	180	176	149	153	168	165	175	176	166	176	176	174	178	184	183	181	183
22	182	186	181	180	176	176	176	176	176	177	179	177	169	169	183	168	169	176	179	175	182	184	188	190	178
23	188	190	190	184	195	190	190	184	179	170	157	159	174	178	179	179	179	180	180	184	184	186	186	184	181
24 Q	183	182	184	184	182	183	180	179	179	177	176	177	174	174	174	176	174	176	177	175	174	176	177	177	178
25 Q	176	184	183	182	180	184	184	184	182	181	176	175	174	176	177	177	180	181	179	176	174	175	176	176	179
26	176	182	181	181	180	178	179	177	176	175	168	146	152	160	163	164	174	173	168	170	176	176	179	178	172
27 D	175	181	209	209	189	182	168	044	100	028	-128	-188	-235	-192	-72	023	114	155	153	202	243	235	233	229	094
28	273	210	190	179	177	178	182	174	141	074	120	116	093	141	170	170	174	175	175	178	178	182	182	183	167
29	178	182	184	190	192	190	180	168	125	112	148	149	149	159	181	176	175	177	180	190	217	195	192	200	175
30	193	208	211	212	191	208	195	184	047	096	104	100	095	127	159	184	179	168	174	173	179	187	192	204	165
31	190	187	188	188	187	182	178	175	176	175	169	167	167	170	159	142	147	152	157	160	167	177	186	195	173
Mean	183	185	186	186	183	180	170	151	151	140	135	119	136	152	149	164	164	167	169	174	180	182	184	184	166

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook — December 1944

Day		Horizontal Intensity						Declination						Vertical Intensity					
		Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° E +			Minimum 25° E +		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		14	50	786	11	18	674	112	12	40	29.8	11	15	09.5	20.3	23	20	179	11	47	039	140
2		07	30	799	10	10	596	203	10	22	39.3	17	45	11.3	28.0	20	10	222	10	16	-103	325
3		05	52	804	13	31	716	88	05	52	44.3	01	50	14.5	29.8	03	05	250	06	00	060	190
4		23	11	777	20	22	737	40	04	18	40.5	10	45	14.2	26.3	01	14	195	10	43	127	68
5		15	23	778	08	50	631	147	09	06	28.4	10	30	10.0	18.4	03	03	191	09	20	-27	218
6		05	29	786	09	17	694	92	08	40	28.8	16	10	14.6	14.2	05	35	223	09	13	040	183
7	Q	08	07	770	08	31	749	21	08	42	23.3	08	00	17.1	06.2	01	45	176	08	12	124	52
8		15	35	772	12	20	742	30	07	32	29.5	12	20	14.1	15.4	08	45	174	14	03	130	44
9		03	46	799	19	20	745	54	03	42	29.8	02	24	14.1	15.7	03	21	249	12	30	161	88
10	Q	05	41	773	19	23	732	41	05	30	29.8	18	00	15.8	14.0	05	14	187	07	07	165	22
11	Q	08	02	779	07	55	737	42	08	27	25.7	09	14	15.2	10.5	02	40	177	08	15	120	57
12		16	24	773	19	28	751	22	17	12	24.3	21	35	17.1	07.2	05	27	180	13	25	157	23
13	D	13	43	791	16	04	658	133	05	25	44.1	18	05	-02.6	46.7	04	25	197	10	02	-21	218
14		02	47	904	12	11	579	325	03	05	48.7	02	45	02.7	46.0	04	06	273	08	30	053	220
15		19	12	771	23	36	676	95	06	35	31.3	23	35	03.0	28.3	18	42	189	09	37	125	64
16	D	06	58	874	14	40	-636	1510	14	45	150.9	15	50	-88.4	239.3	16	10	492	11	30	-658	1150
17	D	22	44	995	07	20	-43	1038	08	35	85.2	08	00	-65.8	151.0	08	30	430	07	18	-460	890
18	D																					
19		08	50	790	09	17	643	147	16	43	31.5	09	17	-03.5	35.0	07	30	234	09	22	085	149
20		03	28	771	23	51	718	53	10	22	28.8	23	35	14.1	14.7	21	27	206	16	00	174	32
21		03	40	789	00	38	718	71	04	12	46.3	02	25	14.2	32.1	03	54	251	10	53	134	117
22		23	55	779	12	52	727	52	15	20	25.8	20	45	13.1	12.7	22	30	198	16	02	160	38
23		05	44	779	10	52	740	39	05	24	28.5	21	35	16.8	11.7	05	00	201	11	12	141	60
24	Q	15	32	773	18	45	737	36	15	30	26.4	21	55	15.6	10.8	01	45	187	20	35	171	16
25	Q	23	37	768	00	36	743	25	17	30	25.1	22	50	17.1	08.0	07	33	187	20	15	172	15
26		17	20	803	11	45	736	67	15	43	34.4	21	00	15.3	19.1	23	12	187	11	47	122	65
27	D	23	30	1071	11	48	-39	1110	11	20	82.0	14	25	-53.4	135.4	23	52	292	12	00	-462	754
28		00	10	1067	09	22	620	447	08	27	33.2	09	05	07.1	26.1	00	18	312	09	25	012	300
29		23	30	789	09	20	616	173	03	44	29.3	21	10	05.2	24.1	20	15	238	09	45	083	155
30		06	04	810	08	22	622	188	08	56	39.4	12	10	07.5	31.9	03	19	235	08	21	-15	250
31		21	42	774	15	17	745	29	03	32	28.7	19	41	09.0	19.7	23	28	231	15	45	122	109
Mean				816			602	214			39.8			03.2	36.6			231			031	200
No. days				30			30	30			30			30	30			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 1944

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	+13	+16	+16	+18	+16	+12	-5	-28	-39	-18	-11	-7	-6	-4	+1	+6	-2	-2	-4	-5	+2	+7	+8
February	+10	+19	+19	+25	+26	+22	+14	+3	-24	-61	-33	-16	-24	-41	-5	+12	+12	+5	+1	-2	+1	+5	+11	+12
March	+28	+38	+44	+41	+43	+37	+15	-40	-42	-79	-62	-55	-50	+5	+8	-2	+12	+4	-3	-1	+6	+13	+18	+22
April	+25	+33	+40	+39	+34	+30	+7	-57	-97	-72	-53	-41	-24	+6	+15	+5	+11	+5	+3	+10	+11	+17	+22	+24
May	+20	+26	+19	+17	+18	+13	+6	-12	-12	-10	-19	-32	-9	-11	-3	-1	-5	-12	-13	-8	-4	+2	+13	+24
June	+15	+13	+15	+14	+17	+17	+9	-7	-22	-32	-14	-3	+5	+11	+12	+4	-6	-13	-18	-19	-12	-5	+5	+14
July	+10	+12	+12	+9	+10	+8	-3	+3	+1	-24	-9	-2	+4	+11	+14	+9	-2	-11	-17	-17	-13	-7	-1	+6
August	+16	+25	+21	+24	+20	+10	-6	-27	-43	-26	-27	-15	-2	+16	+17	+10	-3	-11	-14	-11	-5	+4	+13	+21
September	+15	+20	+14	+8	+9	+3	+4	-9	-17	-1	-1	-8	-1	+2	0	+3	-4	-16	-19	-16	-7	+3	+13	+13
October	+13	+21	+21	+16	+10	+7	0	+2	-3	-14	-14	-16	-1	+8	+7	+2	-10	-14	-18	-16	-8	+1	+7	+11
November	+7	+8	+9	+13	+11	+7	-1	-10	-15	-7	-4	-5	-11	-3	+8	+5	0	-4	-7	-8	-4	+3	+8	+7
December	+19	+17	+20	+23	+22	+21	+15	-6	-17	-17	-19	-39	-28	-21	-31	-20	-15	+5	+4	+5	+8	+12	+20	+24
Year	+15	+20	+21	+20	+19	+16	+6	-14	-27	-32	-22	-20	-12	-2	+3	+3	0	-5	-9	-7	-3	+4	+12	+16
Winter	+10	+14	+16	+19	+18	+16	+10	-4	-21	-31	-18	-18	-18	-18	-8	0	+1	+1	-1	-2	0	+6	+12	+13
Equinox	+20	+28	+30	+26	+24	+19	+6	-26	-40	-42	-32	-30	-19	+5	+8	+2	+2	-5	-9	-6	0	+8	+15	+18
Summer	+15	+19	+17	+16	+16	+12	+2	-11	-19	-23	-17	-13	0	+7	+10	+6	-4	-12	-16	-14	-8	-2	+8	+16

DECLINATION (minutes) (All Days)

Table 50 Meanook 1944

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	-0.8	+0.4	+1.1	+1.9	+4.0	+3.2	+0.9	0.0	-1.5	-0.7	+1.3	+1.5	+0.4	+1.0	+1.1	+1.6	+1.3	-0.6	-1.7	-2.6	-3.9	-4.0	-2.8	-1.6
February	-1.9	-1.1	-0.6	+0.9	+1.8	+1.7	+1.6	-1.1	+0.4	-1.8	+0.7	+1.6	+2.1	+2.0	+1.3	+2.2	+2.6	+1.3	-0.3	-1.9	-2.7	-3.0	-2.8	-2.6
March	-3.3	-2.3	-1.1	+1.9	+3.6	+2.8	-1.0	-1.2	+0.2	-0.3	+1.2	+2.3	+1.2	+2.6	+2.8	+2.7	+3.6	+2.7	0.0	-2.0	-3.5	-4.3	-4.4	-3.8
April	-4.3	-3.1	-1.6	-0.3	+0.6	+0.1	-1.2	+0.3	+0.6	+1.6	+1.4	+3.5	+4.1	+5.0	+5.7	+5.4	+4.9	+2.1	-1.0	-3.8	-4.7	-5.4	-5.7	-5.2
May	-4.3	-2.6	-1.9	-1.4	0.0	+1.1	+1.3	-0.5	-0.8	+0.7	+0.8	+0.3	+4.1	+6.1	+8.2	+8.2	+5.9	+3.3	-1.0	-3.9	-5.6	-6.3	-5.9	-5.3
June	-4.8	-2.9	-1.7	-1.9	-0.6	-0.9	+0.1	+1.0	-0.1	+0.5	+1.1	+1.1	+3.6	+6.2	+8.2	+8.2	+7.5	+5.3	+1.4	-3.3	-6.3	-7.5	-7.2	-6.2
July	-4.5	-2.6	-1.3	-1.1	-1.1	-0.6	-0.3	-0.9	-0.9	+0.2	+0.5	+0.4	+3.8	+6.3	+8.3	+8.6	+7.9	+5.7	+1.2	-3.0	-5.8	-7.3	-7.3	-5.9
August	-2.9	-2.8	-1.9	-1.8	-2.1	-1.3	-0.4	-1.0	-1.1	-0.1	+0.3	+2.3	+4.5	+7.3	+8.6	+8.8	+6.9	+3.4	-0.6	-4.2	-6.2	-6.3	-5.6	-4.6
September	-2.9	-0.9	-1.4	-0.4	-0.2	-0.5	-1.4	-2.0	-1.5	+0.7	+1.3	+1.7	+3.4	+4.6	+5.6	+6.3	+5.5	+3.6	-0.1	-3.3	-5.5	-5.3	-4.3	-3.7
October	-1.8	-0.6	+0.1	+0.8	+0.4	-0.3	-1.4	-0.1	0.0	+0.2	+1.0	+2.3	+2.1	+3.1	+4.4	+5.0	+3.6	+1.3	-1.8	-4.0	-4.6	-3.9	-3.2	-2.6
November	-1.1	-0.2	+0.3	+0.9	+1.3	+0.8	+1.4	+0.2	-0.2	+0.7	0.0	+1.1	+0.4	+1.8	+1.9	+2.4	+2.6	+0.5	-1.7	-3.1	-3.4	-3.0	-2.3	-1.7
December	-1.0	-0.3	+0.5	+1.7	+1.9	+2.3	+1.6	-0.2	+1.1	+1.3	+1.9	+1.3	+2.8	+1.1	0.0	+0.5	+1.8	-1.0	-2.4	-2.6	-3.5	-3.8	-2.7	-1.7
Year	-2.8	-1.6	-0.8	+0.1	+0.8	+0.7	+0.1	-0.5	-0.3	+0.2	+1.0	+1.6	+2.7	+3.9	+4.7	+5.0	+4.5	+2.3	-0.7	-3.1	-4.6	-5.0	-4.5	-3.7
Winter	-1.2	-0.3	+0.3	+1.4	+2.2	+2.0	+1.4	-0.3	0.0	-0.1	+1.0	+1.4	+1.4	+1.5	+1.1	+1.7	+2.1	0.0	-1.5	-2.5	-3.4	-3.4	-2.6	-1.9
Equinox	-3.1	-1.7	-1.0	+0.5	+1.1	+0.5	-1.2	-0.8	-0.2	+0.6	+1.2	+2.4	+2.7	+3.8	+4.6	+4.8	+4.4	+2.4	-0.7	-3.3	-4.6	-4.7	-4.4	-3.8
Summer	-4.1	-2.7	-1.7	-1.6	-1.0	-0.4	+0.2	-0.4	-0.7	+0.3	+0.7	+1.0	+4.0	+6.5	+8.3	+8.4	+7.0	+4.4	+0.2	-3.6	-6.0	-6.8	-6.5	-5.5

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Meanook 1944

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	+23	+24	+22	+22	+20	+14	+1	-17	-38	-48	-31	-28	-22	-16	-13	-10	-3	-2	+6	+9	+15	+19	+23	+26
February	+18	+19	+18	+20	+18	+12	+8	-11	-16	-39	-59	-37	-21	-27	-16	+2	+7	+6	+10	+12	+16	+18	+17	+16
March	+37	+34	+32	+37	+31	+18	-16	-53	-48	-80	-54	-48	-36	-19	-8	0	+10	+12	+16	+22	+25	+26	+30	+32
April	+27	+33	+33	+28	+16	+4	-18	-49	-51	-43	-31	-21	-15	-20	-5	-1	+3	+6	+7	+8	+14	+20	+24	+25
May	+28	+33	+28	+27	+25	+14	-6	-21	-33	-28	-36	-38	-28	-26	-11	-3	-1	+3	+3	+4	+10	+15	+20	+24
June	+26	+28	+28	+26	+24	+16	+4	-18	-42	-37	-32	-22	-13	-9	-5	-6	-4	-5	-5	-5	-1	+6	+14	+22
July	+17	+23	+24	+22	+21	+11	-5	-8	-25	-29	-27	-17	-10	-4	-1	-2	-1	-3	-4	-4	-1	+4	+9	+13
August	+19	+28	+24	+18	+16	+13	-4	-22	-29	-37	-37	-28	-12	-7	-1	0	-1	-1	-1	+2	+7	+13	+16	+21
September	+28	+32	+23	+20	+14	-1	-12	-27	-39	-22	-17	-26	-20	-13	-10	-4	+2	+3	+4	+6	+10	+13	+17	+22
October	+20	+21	+16	+10	+15	+4	-17	-11	-20	-27	-25	-25	-13	-5	-3	-5	-2	+1	+3	+5	+10	+15	+20	+21
November	+10	+11	+14	+19	+15	+12	+2	-26	-32	-19	-14	-11	-13	-13	-7	-2	+2	+2	+4	+5	+8	+12	+13	+11
December	+17	+19	+20	+20	+17	+14	+4	-15	-15	-26	-31	-47	-30	-14	-17	-2	-2	+1	+3	+8	+14	+16	+18	+18
Year	+22	+25	+23	+22	+20	+11	-5	-23	-32	-36	-33	-29	-20	-15	-8	-3	+1	+2	+4	+6	+11	+15	+18	+21
Winter	+17	+18	+18	+20	+18	+13	+4	-17	-25	-33	-34	-31	-22	-18	-13	-3	+1	+2	+6	+8	+13	+16	+18	+18
Equinox	+28	+30	+26	+24	+19	+6	-16	-35	-40	-43	-32	-30	-21	-14	-6	-2	+3	+6	+8	+10	+15	+18	+22	+25
Summer	+22	+28	+26	+23	+22	+14	-3	-17	-32	-33	-33	-26	-16	-12	-4	-3	-2	-2	-2	-1	+4	+10	+15	+20

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 — 1944

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	+1	+5	+5	+5	+6	+8	+6	+1	-5	-3	+1	-1	-8	0	+11	+9	0	-8	-10	-12	-9	0	+5
February	-5	+2	+5	+5	+5	+4	+4	+4	+2	0	-6	-1	+3	+6	+8	+7	+2	-5	-12	-14	-13	-7	-2	+3
March	-2	+1	0	-1	-2	-2	-5	-11	+4	+7	+7	+6	+5	+7	+8	+8	+1	-8	-12	-11	-7	-3	0	+3
April	0	+1	0	+3	+3	+4	+4	+3	+4	+6	+7	+9	+10	+10	+6	0	-2	-8	-12	-14	-13	-9	-7	-5
May	-1	+2	+2	0	-1	+1	+2	+5	+8	+6	+9	+11	+11	+12	+5	+1	-11	-20	-22	-17	-9	-4	+3	+8
June	+12	+8	+3	-1	-2	0	0	0	+2	+3	+6	+10	+17	+18	+18	+9	-6	-19	-25	-24	-19	-13	-2	+5
July	+4	+8	+5	+2	0	+2	+3	+7	+8	+7	+9	+8	+11	+14	+12	+6	-4	-15	-22	-22	-19	-15	-11	-4
August	+5	+1	+1	+2	+1	+2	+5	+6	+6	+8	+5	+7	+3	+7	+4	-6	-20	-23	-18	-11	-4	+5	+8	+10
September	0	+1	+1	0	-3	+1	-2	-1	0	-2	+1	+7	+7	+6	+6	+2	-6	-11	-12	-9	-3	+2	+5	+7
October	-6	0	-1	0	+2	+3	+5	+6	-2	-5	+9	+11	+14	+10	+10	+5	-4	-11	-18	-16	-9	-3	0	+4
November	+2	+3	+4	+3	+1	0	0	+1	+1	+1	+3	+3	+4	+4	+3	+2	-2	-6	-10	-11	-7	-1	+1	+2
December	0	0	+1	+2	+2	+4	+3	+1	0	-1	+1	+2	-1	+1	+1	+4	+1	-3	-5	-7	-7	-3	+1	+3
Year	0	+2	+2	+2	+1	+2	+2	+2	+3	+2	+4	+6	+7	+7	+7	+4	-4	-11	-15	-14	-10	-5	0	+3
Winter	-2	+2	+4	+4	+3	+4	+3	+3	+1	-1	-1	+1	+1	+1	+3	+6	+2	-4	-9	-10	-10	-5	0	+3
Equinox	-2	+1	0	0	0	+2	0	-1	+2	+2	+6	+8	+9	+8	+8	+4	-3	-10	-14	-12	-8	-3	0	+2
Summer	+5	+5	+3	+1	0	+1	+2	+4	+6	+6	+7	+9	+10	+13	+10	+2	-10	-19	-22	-18	-13	-7	0	+5

DECLINATION (minutes) (Quiet Days)

Table 53 Meanook — 1944

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	-0.9	-0.6	0.0	+0.4	+1.2	+1.4	+0.8	+0.1	-0.5	-0.4	+0.8	+0.9	+0.3	-0.4	+0.9	+3.1	+3.1	+1.9	+0.5	-1.0	-2.5	-3.1	-3.5	-2.6
February	-1.9	-1.9	-1.1	-0.6	0.0	+0.1	-0.2	+0.2	-0.1	+0.5	-0.1	+0.7	+0.5	+1.2	+2.3	+3.2	+3.7	+2.5	+0.6	-1.1	-2.2	-2.3	-1.8	-1.7
March	-2.2	-1.7	-1.7	-1.8	-1.7	+0.1	-0.7	+0.8	+1.2	+1.0	+1.3	+0.7	+0.9	+0.9	+2.1	+3.4	+3.7	+3.0	+1.9	-0.3	-1.9	-2.8	-3.1	-2.9
April	-2.6	-1.9	-1.8	-1.3	-1.2	-1.2	-0.9	-0.1	+0.6	+0.5	+0.3	+0.8	+2.1	+3.4	+4.7	+4.8	+4.4	+3.0	+0.8	-1.4	-2.4	-3.7	-3.9	-3.3
May	-2.8	-2.5	-2.0	-1.8	-1.3	-1.1	-1.3	-1.0	-0.4	+0.4	+1.4	+2.6	+5.2	+7.1	+7.8	+7.7	+5.5	+2.8	-0.9	-4.1	-5.4	-5.8	-5.7	-5.0
June	-3.2	-1.4	-1.5	-1.6	-1.8	-1.3	+0.5	-1.1	-0.6	-1.0	-0.7	+0.3	+4.0	+6.3	+8.0	+8.5	+7.9	+5.4	+1.2	-3.4	-6.4	-7.0	-6.5	-5.0
July	-3.1	-1.8	-1.0	-0.6	-0.8	-1.3	-1.8	-1.2	-1.6	-0.5	-0.5	+0.1	+2.4	+5.0	+7.3	+8.6	+8.3	+7.5	+3.8	-1.9	-5.2	-7.6	-7.8	-5.9
August	-1.1	-0.8	-0.7	-0.7	-1.4	-0.4	-1.3	-1.2	-0.1	+0.1	-0.3	+0.8	+2.5	+5.1	+7.2	+7.4	+5.6	+2.2	-1.0	-4.3	-5.9	-4.9	-4.0	-3.4
September	-2.1	-2.1	-2.3	-2.3	+2.0	-0.1	-2.0	-1.8	-0.5	+0.1	+1.2	+2.0	+2.2	+3.0	+4.2	+4.5	+4.2	+2.9	+0.7	-2.0	-3.7	-3.3	-2.8	-2.1
October	-1.9	-1.4	-1.0	-0.4	-1.0	-1.0	-0.7	-0.5	-0.6	-0.1	+1.4	+0.2	+1.2	+2.1	+3.8	+4.9	+4.7	+2.7	+0.3	-2.1	-3.0	-3.0	-2.6	-1.9
November	-0.9	-0.1	+0.3	+0.1	0.0	+0.5	0.0	-0.4	-0.6	-0.3	+0.2	+0.3	+0.6	+0.8	+1.3	+1.9	+2.2	+1.8	+0.2	-1.0	-1.9	-2.1	-1.3	-1.2
December	-1.2	-0.5	-0.1	+0.1	+0.4	+0.8	-0.3	0.0	+0.3	+0.1	+0.6	+0.7	-0.2	-0.1	+0.3	+2.3	+2.6	+2.3	+0.8	-0.6	-2.0	-2.3	-2.1	-1.9
Year	-2.0	-1.4	-1.1	-0.9	-0.5	-0.3	-0.7	-0.5	-0.2	0.0	+0.5	+0.8	+1.8	+2.9	+4.2	+5.0	+4.7	+3.2	+0.7	-1.9	-3.5	-4.0	-3.8	-3.1
Winter	-1.2	-0.8	-0.2	0.0	+0.4	+0.7	+0.1	0.0	-0.2	-0.1	+0.4	+0.6	+0.3	+0.4	+1.2	+2.6	+2.9	+2.1	+0.5	-0.9	-2.2	-2.4	-2.2	-1.8
Equinox	-2.2	-1.8	-1.7	-1.4	-0.5	-0.6	-1.2	-0.4	+0.2	+0.4	+1.0	+0.9	+1.6	+2.4	+3.7	+4.4	+4.2	+2.9	+0.9	-1.4	-2.8	-3.2	-3.1	-2.6
Summer	-2.6	-1.6	-1.3	-1.2	-1.3	-1.0	-1.0	-1.1	-0.7	-0.2	0.0	+1.0	+3.5	+5.9	+7.6	+8.0	+6.8	+4.5	+0.8	-3.4	-5.7	-6.3	-6.0	-4.8

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Meanook — 1944

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	+3	+1	+2	+5	+9	+12	+10	+1	0	-3	-6	-6	-6	-9	-4	+3	0	-2	-2	-1	-1	0	+2	+3
February	+2	+3	+4	+6	+6	+6	+4	+3	+2	-2	-12	-13	-8	-3	-2	-1	-1	-2	-1	0	+1	+2	+2	+1
March	+4	+3	+5	+6	+11	+17	+2	-17	-4	-2	-2	-5	-9	-7	-3	-3	-2	-2	-2	-2	0	+2	+3	+3
April	+3	+9	+5	+4	+2	+2	+3	+2	+2	0	-1	-3	-5	-6	-4	-4	-4	-2	-4	-4	-2	+2	+2	+2
May	+6	+6	+5	+5	+3	+4	+3	+1	-1	-5	-5	+3	+3	+1	-1	-3	-3	-6	-7	-6	-3	0	0	+2
June	+10	+12	+9	+6	+4	+4	+2	-6	-9	-2	+2	+1	+2	+3	+1	+1	-3	-7	-10	-11	-11	-5	0	+3
July	+5	+9	+8	+6	+6	+4	+4	+3	0	-2	0	+1	+2	+1	-3	-5	-5	-7	-9	-8	-6	-4	0	+1
August	+7	+11	+7	+5	+3	+1	-1	-2	-5	-5	-10	-7	-9	-2	-5	-7	-6	-5	-2	-3	+1	+6	+8	+11
September	+7	+6	+4	+6	+9	+3	+1	-3	-3	-12	-18	-5	-2	-2	-2	0	0	-1	0	0	+2	+2	+4	0
October	+8	+9	+12	+9	+9	+7	+4	0	-21	-32	-20	-11	-2	+1	+2	+2	+1	0	-1	+1	+3	+5	+6	+6
November	+1	0	+1	+3	+2	+2	+3	+2	-1	-1	-2	-2	-2	-3	-3	-2	-2	-2	-1	+1	+2	+2	+1	0
December	+2	+6	+6	+6	+4	+4	+2	+1	-9	-7	-2	-2	-5	-2	-1	-1	-1	-2	-1	0	-1	-1	-1	0
Year	+5	+6	+5	+6	+6	+5	+3	-1	-4	-6	-6	-4	-3	-2	-2	-2	-2	-3	-3	-3	-1	+1	+2	+3
Winter	+2	+2	+3	+5	+5	+6	+5	+2	-2	-3	-6	-6	-5	-4	-2	0	-1	-2	-1	0	0	+1	+1	+1
Equinox	+6	+7	+6	+6	+8	+7	+2	-4	-6	-12	-10	-6	-4	-4	-2	-1	-1	-1	-2	-1	+1	+3	+4	+3
Summer	+7	+10	+7	+6	+4	+3	+2	-1	-4	-4	-3	0	0	+1	-2	-4	-4	-6	-7	-7	-5	-1	+2	+4

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 1944

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	+45	+40	+47	+55	+40	+22	-12	-55	-146	-76	-7	-19	-29	-7	+3	+9	-30	+2	+4	+11	+20	+30	+22
February	+58	+75	+61	+95	+101	+84	+48	+10	-127	-259	-94	-63	-132	-192	-31	+29	+40	+30	+39	+27	+40	+46	+55	+56
March	+87	+131	+162	+150	+146	+113	+34	-194	-205	-169	-194	-202	-163	-10	-9	-18	+39	+41	+29	+35	+39	+42	+51	+58
April	+99	+121	+158	+139	+114	+108	+6	-235	-267	-317	-340	-224	-99	+2	+44	+7	+74	+72	+69	+74	+84	+100	+107	+109
May	+57	+66	+52	+46	+45	+18	+23	-9	-19	-55	-121	-184	-68	-84	-29	-26	+5	+17	+12	+24	+28	+36	+62	+86
June	+25	+35	+57	+58	+81	+82	+26	-57	-129	-162	-45	+23	+7	0	+6	-21	-9	-7	-9	-8	0	+1	+13	+34
July	+29	+24	+25	+28	+32	+31	-3	+3	-15	-152	-75	-36	-19	+10	+34	+29	+11	+2	-5	-3	+5	+11	+17	+21
August	+74	+96	+78	+108	+73	+10	-73	-175	-231	-96	-97	-81	-1	+44	+49	+35	+9	+2	+4	+10	+20	+32	+42	+67
September	+54	+97	+55	+32	+31	-9	+13	-46	-98	-14	-10	-55	-26	-23	-36	-1	+9	-9	-19	-19	0	+13	+29	+34
October	+78	+106	+103	+68	+22	+4	-3	-15	-24	-83	-108	-108	-28	+10	-3	-9	-23	-21	-20	-20	-11	+7	+23	+49
November	+22	+31	+32	+55	+46	+27	-8	-56	-78	-55	-27	-36	-77	-42	+21	+12	+5	-1	+4	+5	+15	+26	+55	+25
December	+102	+106	+106	+108	+112	+113	+86	-32	-51	-20	-70	-235	-178	-174	-276	-196	-141	+36	+38	+67	+89	+99	+147	+165
Year	+61	+78	+77	+78	+71	+52	+14	-68	-82	-128	-105	-101	-67	-41	-36	-13	+2	+11	+12	+16	+27	+36	+53	+60
Winter	+58	+64	+60	+76	+78	+66	+37	-22	-78	-120	-67	-85	-102	-109	-123	-38	-22	+9	+21	+26	+39	+48	+72	+67
Equinox	+80	+114	+120	+97	+78	+54	+12	-122	-148	-146	-163	-147	-79	-52	-1	-5	+24	+21	+15	+18	+28	+36	+52	+62
Summer	+46	+55	+53	+60	+58	+35	-7	-60	-98	-116	-84	-70	-20	-8	+15	+4	+4	+4	0	+6	+13	+20	+34	+52

DECLINATION (minutes) (Disturbed Days)

Table 56 Meanook 1944

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	+0.3	+5.0	+4.5	+4.9	+9.6	+4.6	+0.2	-0.9	-1.7	-3.9	+1.3	+4.2	+2.1	+4.4	+1.5	+0.1	-2.6	-7.2	-8.1	-7.1	-5.7	-4.1	-2.1	+0.3
February	-2.4	+1.6	-0.2	+0.8	+4.2	+5.2	+3.9	+0.3	+1.2	-9.1	-5.9	+0.3	+4.4	+5.2	+0.6	+1.9	+1.3	-0.5	-1.4	-3.8	-3.1	-2.1	-2.1	-3.3
March	-3.8	-2.6	-1.6	+11.3	+12.0	+3.5	-6.6	-7.3	-5.8	-4.8	+1.4	+5.5	-0.6	+3.2	+2.6	+0.2	+4.2	+3.5	+1.8	-1.1	-3.0	-3.6	-4.2	-3.8
April	-6.1	-5.7	-3.9	+1.0	-0.6	+3.0	-4.1	+4.1	+6.0	+6.5	+1.7	+12.5	+11.8	+7.4	+5.5	+3.4	+4.0	-1.2	-4.5	-8.2	-9.6	-8.3	-7.9	-6.6
May	-5.5	-1.6	-3.4	-3.6	-2.3	+1.9	+2.3	+0.7	-0.3	+3.3	+5.8	-2.4	+6.5	+5.8	+10.6	+8.6	+2.6	+2.1	-3.1	-5.6	-5.6	-7.5	-5.1	-4.5
June	-7.8	-5.8	-4.7	-6.1	-0.9	-2.2	+1.0	+7.7	+1.7	+2.8	+3.7	+1.4	+4.2	+6.3	+9.4	+7.4	+6.8	+4.9	+1.7	-2.6	-6.2	-8.1	-7.7	-6.7
July	-6.1	-4.7	-3.8	-3.5	-3.7	-2.1	-1.2	+1.0	+3.2	+7.0	+7.7	+1.3	+4.1	+6.6	+9.8	+9.0	+6.7	+3.4	-1.3	-5.5	-6.6	-7.8	-7.5	-5.6
August	-2.8	-5.2	-3.2	-6.8	-3.5	+1.3	+4.3	-2.5	-9.8	-0.9	+2.0	+5.9	+9.2	+10.5	+10.9	+9.1	+6.0	+1.8	-2.1	-3.9	-4.5	-5.3	-4.5	-4.4
September	-4.9	-0.6	-1.6	+0.6	-2.1	+1.0	+0.2	-0.6	-4.2	+0.3	+1.3	+2.6	+5.1	+3.7	+2.7	+7.6	+6.2	+4.6	-0.1	-3.3	-7.2	-5.9	-3.4	-3.2
October	-3.5	+0.4	+1.6	+5.2	+0.3	-1.6	-1.2	-2.9	-0.2	+0.7	+1.4	+7.2	+3.7	+5.3	+6.3	+6.7	+2.3	-1.2	-4.3	-6.1	-7.4	-5.5	-4.3	-3.5
November	-2.4	-0.8	-0.1	+2.6	+5.4	+3.5	+5.5	-0.6	-4.2	+2.4	-0.3	+4.4	-0.4	+3.8	+2.6	+3.2	+3.5	-2.4	-5.4	-5.5	-4.7	-3.6	-3.3	-3.0
December	0.0	+1.0	+2.0	+2.0	+2.1	+7.0	+2.7	-8.2	+1.9	+7.0	+6.2	+6.5	+16.2	+1.1	-8.2	-7.4	+2.9	-8.3	-12.0	-3.9	-3.7	-4.2	-2.2	-0.4
Year	-3.8	-1.6	-1.2	+0.7	+1.7	+2.1	+0.6	-0.8	-1.0	+0.9	+2.2	+4.1	+5.5	+5.3	+4.5	+4.2	+3.7	0.0	-3.2	-4.7	-5.6	-5.5	-4.5	-3.7
Winter	-1.1	+1.7	+1.6	+2.6	+5.3	+5.1	+3.1	-2.4	-0.7	-0.9	+0.3	+3.8	+5.6	+3.6	-0.9	-0.6	+1.3	-4.6	-6.7	-5.1	-4.3	-3.5	-2.4	-1.6
Equinox	-4.6	-2.1	-1.4	+4.5	+2.4	+1.5	-2.9	-1.7	-1.0	+0.7	+1.4	+7.0	+5.0	+4.9	+4.3	+4.5	+4.2	+1.4	-1.8	-4.7	-6.8	-5.8	-5.0	-4.3
Summer	-5.6	-4.3	-3.8	-5.0	-2.6	-0.3	+1.6	+1.7	-1.3	+3.0	+4.8	+1.6	+6.0	+7.3	+10.0	+8.5	+5.5	+3.0	-1.2	-4.4	-5.7	-7.2	-6.2	-5.3

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Meanook 1944

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	+54	+70	+52	+53	+33	+15	-34	-56	-82	-130	-96	-61	-49	-32	-5	0	+7	-2	+24	+26	+48	+50	+64	+57
February	+53	+59	+48	+40	+29	0	+6	-25	-27	-80	-147	-103	-71	-97	-47	+14	+31	+24	+44	+38	+56	+63	+49	+42
March	+83	+70	+44	+54	+40	+21	-82	-153	-67	-107	-55	-52	-70	-45	-35	-7	+28	+33	+44	+47	+46	+53	+55	+60
April	+48	+63	+76	+70	+59	+27	-94	-169	-63	-113	-117	-38	+11	-72	-22	-1	+18	+37	+37	+43	+45	+48	+57	+56
May	+74	+74	+57	+54	+40	0	-2	-17	-20	-57	-123	-170	-121	-101	-42	-11	-4	+30	+58	+37	+46	+60	+74	+84
June	+38	+46	+65	+70	+83	+67	+5	-75	-148	-106	-68	-8	-6	-16	-17	-28	-12	-7	-1	+1	+12	+20	+37	+50
July	+39	+39	+38	+43	+48	+34	-34	-24	-64	-77	-76	-64	-57	-19	+11	+17	+18	+16	+15	+16	+21	+22	+25	+28
August	+26	+40	+2	+13	+10	+21	-17	-84	-63	-55	-34	-53	-16	+2	+10	+5	+1	+3	+8	+17	+22	+36	+45	+60
September	+77	+80	+54	+54	+44	-36	-49	-60	-126	-45	-26	-66	-45	-37	-37	-4	+11	+14	+18	+24	+31	+35	+42	+49
October	+58	+54	+22	+8	+41	+34	-12	-23	-23	-86	-96	-92	-32	-11	-16	-25	-14	+6	+13	+19	+24	+39	+59	+56
November	+39	+40	+51	+74	+57	+41	-2	-120	-116	-65	-48	-36	-52	-61	-27	+2	+16	+16	+22	+16	+25	+42	+52	+42
December	+35	+36	+40	+38	+32	+27	-3	-104	+8	+7	-78	-214	-108	-25	-86	-14	+10	+22	+26	+46	+65	+72	+78	+68
Year	+52	+56	+46	+47	+43	+21	-26	-76	-66	-76	-80	-80	-51	-43	-26	-4	+9	+16	+26	+28	+36	+45	+53	+54
Winter	+45	+51	+48	+51	+38	+21	-8	-76	-54	-67	-92	-104	-70	-54	-41	0	+16	+15	+29	+32	+48	+57	+61	+52
Equinox	+66	+67	+49	+46	+46	+12	-59	-101	-70	-88	-74	-62	-34	-41	-28	-9	+11	+22	+28	+33	+36	+44	+53	+55
Summer	+44	+50	+40	+45	+45	+30	-12	-50	-74	-74	-75	-74	-50	-34	-10	-4	+1	+10	+20	+18	+25	+34	+45	+56

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook $H = 12,000\ \gamma +$ January 1945

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	760	762	758	761	760	757	754	752	726	659	752	779	768	765	762	766	757	755	751	733	760	764	765	754
2	752	756	781	772	765	752	725	762	764	754	752	747	729	755	760	765	752	755	758	757	756	760	769	767	757
3	758	765	763	762	760	762	774	769	755	717	651	768	764	765	774	777	767	756	743	741	755	764	766	758	756
4	756	763	769	770	772	769	771	768	772	770	773	759	768	765	777	778	773	749	734	730	723	753	766	758	762
5	762	762	762	762	769	775	768	760	769	719	755	763	755	760	761	769	765	759	756	750	751	756	760	765	760
6	759	756	757	763	768	767	765	764	760	743	693	736	765	775	777	778	769	757	751	753	756	759	761	758	758
7	754	766	762	760	774	767	769	770	767	766	768	763	765	767	770	769	768	757	752	750	750	747	746	752	762
8	749	756	766	769	770	765	764	749	744	758	756	762	770	772	762	769	770	760	759	756	758	756	763	762	761
9	755	759	765	766	763	765	764	762	757	753	759	766	771	774	779	776	773	769	766	768	770	772	743	741	764
10 D	789	943	841	802	801	746	597	558	559	576	606	664	554	703	758	763	758	748	742	749	748	749	751	752	719
11 Q	752	748	749	751	751	750	749	751	750	752	751	752	752	754	756	757	754	749	745	738	735	737	745	746	749
12	745	752	759	757	759	755	755	757	756	758	759	761	760	757	745	765	763	754	748	741	733	739	749	749	753
13	736	739	758	770	766	754	749	739	732	749	766	762	762	761	763	760	760	758	753	752	753	755	758	760	755
14	755	755	758	761	760	757	757	757	759	760	761	759	760	760	758	757	755	750	747	751	752	755	760	763	757
15 D	764	767	767	772	762	773	768	737	694	652	588	495	470	720	521	465	551	624	558	758	722	734	740	744	673
16	748	741	769	771	773	769	730	787	765	759	731	751	749	750	752	746	749	751	745	741	740	738	756	735	752
17 D	733	747	759	794	767	761	771	767	748	712	560	714	756	748	729	741	754	753	743	724	731	743	751	753	740
18	747	754	759	761	760	761	760	759	757	754	750	756	755	756	758	760	765	762	752	743	746	744	733	752	754
19	741	765	762	765	769	767	763	757	753	751	750	730	738	761	758	747	749	753	748	731	739	741	741	744	751
20	750	761	764	768	761	779	750	740	716	682	640	690	722	740	755	761	757	754	747	742	740	742	746	748	740
21	753	755	758	761	756	752	755	755	751	749	750	751	744	736	733	730	757	753	748	747	737	736	737	746	748
22	749	745	750	755	758	757	758	757	753	751	750	749	750	757	756	758	755	749	747	743	739	737	738	750	750
23 Q	751	753	751	754	750	751	749	750	746	747	749	748	745	749	751	756	753	749	746	740	734	735	742	742	748
24 Q	743	747	749	748	749	749	751	749	753	751	752	750	751	753	753	756	755	753	749	745	745	740	744	747	749
25 Q	749	753	753	753	751	750	749	748	744	745	748	749	750	749	749	749	749	751	753	753	749	745	746	746	749
26	751	753	754	756	755	753	752	753	756	754	759	767	767	770	762	761	757	754	744	735	735	738	745	746	753
27	747	745	743	742	745	746	747	746	744	735	737	736	742	747	756	760	756	749	752	749	751	756	761	764	748
28 D	763	759	756	755	754	753	753	755	756	758	760	762	763	759	756	762	760	749	758	749	731	732	728	747	753
29 D	993	902	964	902	726	915	726	592	585	699	671	685	711	708	663	728	690	631	695	686	729	694	728	754	741
30	738	776	761	750	738	731	712	703	695	669	718	706	657	647	716	727	714	725	725	725	727	727	727	727	718
31 Q	740	750	748	746	750	748	747	746	750	750	747	749	746	750	751	753	748	746	742	737	739	740	740	753	746
Mean	759	766	768	767	760	763	749	746	737	733	722	736	735	750	746	749	749	745	741	743	742	745	749	751	748

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 2 Meanook D = 25° E + ... ' January 1945

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	19.3	21.0	22.1	22.9	21.3	20.1	19.3	19.0	20.0	20.6	21.6	22.5	23.4	22.4	21.5	19.7	19.2	18.0	15.8	14.7	14.4	14.9	15.6	16.5	19.4
2	18.7	23.2	27.2	23.3	20.6	21.0	16.2	25.5	19.7	20.0	19.7	20.0	15.4	20.5	22.6	21.2	16.5	16.8	16.6	15.4	12.9	13.6	16.8	17.8	19.2
3	20.4	20.4	21.2	21.2	20.5	19.8	19.7	14.7	18.3	18.2	13.3	22.6	22.8	24.9	28.1	23.4	23.1	19.5	17.1	15.5	14.1	15.0	16.8	18.7	19.6
4	19.6	20.4	20.4	20.2	19.7	19.2	18.5	19.4	20.3	19.5	19.7	18.7	18.3	19.3	20.6	23.1	22.6	18.1	17.7	17.9	10.0	09.7	14.4	16.8	18.5
5	17.7	15.6	18.2	23.7	23.1	26.4	21.2	17.8	15.6	15.3	17.7	20.2	20.6	20.2	21.1	23.3	24.0	22.6	21.6	20.3	18.7	17.5	17.2	18.1	19.2
6	19.2	20.1	21.6	21.1	21.4	20.6	19.9	18.7	19.1	22.1	19.5	18.5	22.8	22.3	23.5	23.5	23.1	22.2	20.9	19.2	17.5	16.4	17.2	18.3	20.4
7	19.5	19.2	21.1	23.5	20.1	19.5	19.2	18.3	17.7	18.0	19.2	18.6	18.7	19.4	20.2	21.2	23.0	23.9	21.2	19.1	17.6	16.8	16.2	17.2	19.5
8	17.7	18.7	20.0	19.7	19.6	19.7	19.3	16.5	14.8	18.2	19.5	20.9	20.6	21.5	20.8	22.2	22.9	21.2	18.5	15.4	24.4	14.6	17.5	17.1	19.2
9	18.2	18.7	19.1	19.2	19.7	19.3	18.9	22.9	17.9	22.0	21.6	20.2	19.7	20.3	21.1	22.6	21.1	22.1	21.6	19.7	17.3	17.5	16.1	13.9	19.6
10 D	15.7	21.5	24.4	24.9	26.9	29.2	36.0	40.8	37.9	29.2	15.7	27.3	07.0	14.6	17.2	18.3	21.5	20.5	19.1	20.4	19.3	19.7	20.0	19.4	22.8
11 Q	19.6	19.5	19.4	19.7	19.6	19.5	19.3	19.8	17.1	18.1	19.0	18.9	18.8	18.6	19.3	19.9	21.7	22.4	21.8	22.0	22.5	18.6	18.8	19.5	19.7
12	19.6	18.6	19.5	19.8	19.7	19.6	20.5	21.3	18.1	18.2	18.3	18.6	19.4	19.3	18.2	20.7	19.6	18.6	19.1	19.2	17.4	16.7	18.6	19.1	19.1
13	19.4	19.6	21.3	28.6	26.7	19.9	22.4	24.3	17.5	15.8	17.4	19.2	19.3	19.5	19.7	20.7	21.4	22.0	21.4	20.4	19.1	18.4	18.2	18.5	20.4
14	18.2	18.6	18.8	19.1	19.0	18.6	18.4	17.9	17.7	17.8	17.4	18.5	18.7	19.1	19.6	20.3	21.7	21.0	19.8	18.0	17.4	18.8	17.4	17.6	18.7
15 D	17.9	18.3	18.4	17.8	15.8	28.8	15.2	22.1	17.2	28.3	27.7	48.6	19.4	30.0	30.0	-9.0	17.2	11.1	-7.0	07.7	12.4	17.4	16.9	17.6	18.3
16	18.8	22.6	23.9	22.3	19.9	23.8	13.0	18.9	21.3	14.0	21.7	21.9	23.2	23.8	24.0	23.6	22.7	23.2	20.9	18.6	16.5	17.3	20.4	18.8	20.6
17 D	18.4	19.4	26.1	28.1	18.0	19.1	18.4	16.1	19.7	17.3	08.3	19.0	21.1	21.9	20.9	23.1	24.1	21.7	18.1	16.8	15.4	14.5	17.0	17.6	19.2
18	18.3	18.6	19.0	19.3	19.8	20.0	19.0	18.6	17.8	19.2	20.0	21.0	20.8	21.6	21.9	23.4	25.1	23.7	20.7	16.8	15.5	14.4	13.8	13.1	19.2
19	15.3	19.1	18.7	20.0	17.4	21.0	18.9	17.7	17.5	18.9	19.8	18.8	18.3	20.9	23.1	25.6	22.9	19.2	17.9	17.0	17.1	15.9	16.3	15.4	18.9
20	15.7	15.5	16.2	17.4	18.9	20.3	26.1	23.0	21.3	22.3	17.9	16.5	19.3	18.5	20.9	21.6	22.3	23.1	21.8	20.0	24.6	17.4	16.9	17.1	19.8
21	16.5	17.3	18.4	19.3	21.9	29.7	18.9	18.5	18.7	19.1	19.2	18.9	18.8	17.0	22.7	22.8	21.8	22.0	20.7	19.0	17.9	16.8	16.3	15.4	19.5
22	16.1	16.1	16.8	18.8	19.7	19.1	20.9	17.8	19.2	18.9	19.9	19.0	17.8	18.7	20.3	21.9	18.6	22.8	21.0	20.1	17.7	16.9	16.5	16.4	18.8
23 Q	16.7	16.9	17.4	18.5	19.0	18.2	19.7	19.2	18.7	19.3	19.9	19.7	18.1	18.2	19.4	20.9	22.5	22.3	21.7	20.8	18.0	15.5	15.8	17.0	18.9
24 Q	17.8	17.3	18.3	18.8	18.9	18.3	18.7	19.0	19.1	19.2	18.6	19.5	18.9	19.6	19.3	20.8	22.4	22.0	17.8	20.2	18.9	17.7	17.6	17.9	19.0
25 Q	18.1	17.7	18.4	18.3	18.5	18.2	17.7	19.2	18.2	20.6	21.5	20.8	20.4	19.0	20.1	20.8	20.9	19.6	18.2	17.9	18.3	17.1	16.6	17.7	18.9
26	17.8	18.3	18.5	18.9	18.6	18.6	18.9	18.7	20.1	24.7	22.5	22.1	23.0	22.4	20.8	18.9	19.8	17.6	18.9	16.1	13.0	16.9	18.7	19.6	19.4
27	19.3	19.4	19.2	18.9	18.8	19.7	19.4	21.8	21.1	18.1	22.0	22.6	19.2	17.8	18.7	20.5	19.1	18.7	19.3	16.9	17.1	16.5	17.0	17.9	19.1
28 D	17.4	18.4	18.8	19.4	18.8	18.1	18.7	19.1	18.9	18.6	18.4	19.0	19.2	18.0	18.3	21.0	21.7	16.5	13.4	18.0	16.4	14.2	12.6	10.5	17.6
29 D	20.1	17.5	22.3	16.7	16.7	20.3	21.7	33.1	15.9	21.0	20.3	23.6	22.6	22.7	26.6	21.5	17.9	08.2	01.9	14.3	10.9	09.6	11.9	15.3	18.0
30	19.8	22.0	21.9	24.2	41.1	26.9	29.0	28.1	22.7	16.5	19.6	24.9	22.6	16.7	22.5	24.2	18.9	18.4	17.8	16.5	15.3	16.5	18.2	18.4	21.8
31 Q	18.8	19.4	20.0	21.3	20.3	18.9	18.8	18.4	18.7	18.6	19.2	19.1	18.9	19.0	20.9	21.6	22.0	21.3	19.6	18.8	16.8	16.1	15.6	16.0	19.1
Mean	18.2	19.0	20.2	20.8	20.6	21.0	20.1	20.8	19.3	19.3	19.2	21.3	19.6	20.2	21.4	20.8	21.3	20.0	17.9	17.8	16.9	16.1	16.7	17.4	19.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Meanook $Z = 59,000\ \gamma +$ January 1945

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	194	191	190	187	186	183	181	179	173	120	043	096	162	163	165	163	161	161	166	173	186	196	184	205	167
2	212	215	217	191	191	191	160	137	172	178	171	150	121	147	151	159	171	156	168	171	175	183	183	190	173
3	181	179	179	182	178	182	168	161	169	148	-09	128	151	162	169	176	176	170	170	177	172	181	182	179	163
4	175	177	175	170	168	167	167	167	166	169	168	164	166	171	177	177	166	166	179	183	187	220	207	190	176
5	197	200	205	199	201	199	191	175	145	110	155	168	162	167	169	172	170	167	172	173	175	175	175	175	175
6	173	172	176	173	171	170	168	167	159	125	080	083	132	160	162	162	160	163	166	170	170	171	170	169	157
7	168	171	173	174	169	163	161	160	163	162	164	164	163	162	162	164	165	167	168	169	170	170	169	171	166
8	170	170	168	167	163	162	162	137	108	126	127	128	147	157	156	166	166	163	160	156	161	163	163	167	155
9	162	164	166	166	166	168	168	162	153	158	165	167	166	164	159	150	151	154	156	158	160	160	161	207	163
10 D	265	296	310	233	227	187	084	-29	027	022	019	061	055	092	121	167	165	176	176	179	170	171	171	167	146
11 Q	165	164	164	164	164	164	164	163	153	156	160	161	161	162	162	162	162	162	163	165	168	170	172	172	163
12	165	165	165	163	163	162	162	160	157	157	157	157	157	154	143	140	141	146	154	158	163	168	170	171	158
13	170	177	176	188	180	173	162	136	101	112	126	150	152	153	153	155	155	157	157	158	158	158	155	154	155
14	152	154	154	152	151	151	151	151	149	149	149	149	149	149	149	151	152	152	153	154	155	155	155	153	152
15 D	148	150	150	151	159	199	221	146	111	092	024	030	070	090	013	016	060	177	208	159	158	168	168	174	127
16	173	182	193	184	182	181	103	184	181	199	145	147	158	163	160	159	157	156	157	157	159	168	188	193	168
17 D	192	187	197	163	190	172	172	154	148	135	012	101	138	148	138	138	138	149	151	145	149	151	156	155	149
18	148	153	154	150	149	148	148	147	144	149	148	148	148	147	147	146	143	138	135	136	142	150	150	165	147
19	158	163	175	189	194	187	163	154	150	150	149	125	112	140	149	152	153	154	148	146	156	160	158	158	156
20	154	164	166	175	194	220	188	147	110	086	066	082	123	153	158	159	158	164	159	158	158	158	158	155	151
21	157	163	159	159	166	174	163	152	150	150	149	145	138	124	138	144	143	145	145	144	148	153	151	154	151
22	156	157	157	159	157	153	157	153	149	152	144	143	140	144	148	146	146	149	151	153	151	151	151	151	151
23 Q	153	164	156	156	158	159	156	150	148	148	145	142	142	142	145	146	146	144	145	145	147	150	150	147	149
24 Q	146	148	150	150	145	144	144	143	143	143	142	142	142	141	142	144	145	145	147	149	145	148	148	146	145
25 Q	145	146	146	146	146	146	146	148	150	151	149	145	142	142	144	144	143	142	142	143	142	142	142	142	145
26	141	142	142	142	142	142	143	143	147	147	147	139	119	126	131	132	132	135	136	139	141	150	153	150	140
27	147	145	151	156	149	149	148	143	139	127	105	108	129	141	149	140	140	139	139	138	141	142	141	139	139
28 D	140	141	143	145	141	141	142	141	140	139	140	138	137	137	132	133	135	135	133	134	140	148	158	164	141
29 D	317	266	137	-112	-53	208	180	074	097	072	097	091	113	115	097	143	129	102	145	151	206	171	166	188	129
30	187	168	149	146	174	130	138	102	115	059	116	121	089	078	101	118	121	139	138	140	144	146	145	144	130
31 Q	144	144	145	146	145	143	143	141	140	128	133	141	141	142	142	144	144	143	143	145	148	149	148	148	143
Mean	173	173	171	159	162	168	158	143	141	133	119	129	136	143	143	147	148	152	156	156	160	163	163	166	153

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook — January 1945

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	22	35	787	10	27	621	166	10	00	28.4	09	30	09.4	19.0	23	50	219	10	26	005	214
2	02	45	805	06	50	612	193	02	43	34.5	06	48	01.1	33.4	02	47	238	06	55	038	200
3	06	37	801	10	16	490	311	14	07	31.1	10	10	02.7	28.4	21	50	191	10	17	-133	324
4	16	25	787	20	06	700	87	15	56	25.8	21	00	06.6	19.2	21	20	235	12	55	156	79
5	05	35	783	08	58	692	91	05	16	29.1	08	56	10.0	19.1	05	08	209	09	04	076	133
6	13	15	782	10	30	619	163	10	12	35.5	10	51	07.7	27.8	01	20	177	10	22	041	136
7	04	08	777	00	00	742	35	03	38	26.8	22	15	15.4	11.4	03	53	175	07	20	156	19
8	23	05	774	07	45	729	45	16	17	25.0	07	40	11.3	13.7	23	25	175	08	37	084	91
9	00	44	831	23	12	713	118	07	32	28.9	23	30	10.5	18.4	23	48	230	08	55	137	93
10 D	01	25	1006	09	24	409	597	06	48	96.0	10	09	02.7	93.3	02	12	352	07	04	-140	492
11 Q	15	37	762	20	00	731	31	17	50	23.4	08	37	15.7	07.7	23	01	175	08	40	143	32
12	15	54	776	20	30	726	50	07	01	26.1	21	03	14.7	11.4	23	19	179	15	31	133	46
13	03	53	799	07	52	696	103	03	51	43.2	08	13	10.6	32.6	03	57	211	08	30	070	141
14	00	37	778	19	37	742	36	16	42	23.4	22	10	16.0	07.4	21	55	157	13	30	146	11
15 D	19	37	820	12	07	119	701	11	23	60.0	15	46	-24.6	84.6	18	12	337	14	44	-100	437
16	09	31	823	06	20	640	183	06	50	34.8	06	10	-11.9	46.7	09	34	236	06	25	031	205
17 D	03	12	856	10	37	522	334	03	07	56.9	10	30	-01.7	58.6	02	49	243	10	02	-29	272
18	23	20	782	22	40	719	63	17	10	26.7	23	42	10.2	16.5	23	21	190	18	37	133	57
19	16	51	814	11	50	714	100	16	05	29.0	20	52	12.2	16.8	04	05	205	12	15	086	119
20	05	40	793	10	20	607	186	06	46	31.7	11	07	11.0	20.7	05	45	246	09	39	049	197
21	05	48	770	22	05	726	44	05	17	35.0	23	30	14.2	20.8	05	01	180	13	10	118	62
22	07	02	762	21	58	731	31	17	22	26.1	00	02	14.5	11.6	03	12	163	12	45	137	26
23 Q	01	59	758	21	00	728	30	16	18	23.9	21	40	14.5	09.4	05	37	166	13	30	139	27
24 Q	16	47	762	19	54	739	23	16	40	22.8	22	30	16.8	06.0	02	45	152	13	15	139	13
25 Q	19	20	756	08	38	741	15	10	21	22.5	08	15	16.5	06.0	08	30	155	21	00	137	18
26	16	15	791	19	55	695	96	15	12	27.6	20	26	10.4	17.2	22	09	155	12	34	116	39
27	23	40	777	11	18	720	57	11	17	27.4	14	05	13.6	13.8	14	20	159	10	40	095	64
28 D	00	17	817	20	40	706	111	18	00	26.8	18	40	05.3	21.5	24	00	270	18	51	125	145
29 D	05	00	1096	07	44	316	780	04	30	76.4	04	40	-56.1	132.5	04	53	409	04	42	-246	655
30	04	45	801	09	24	605	196	04	48	71.1	09	30	13.0	58.1	04	57	244	09	32	020	224
31 Q	00	05	762	19	15	732	30	16	35	24.2	22	22	14.5	09.7	21	20	157	09	53	110	47
Mean			806			645	161			35.9			06.7	29.2			213			064	149
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 1945

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	757	754	757	753	747	754	757	754	753	755	756	754	759	758	759	760	752	738	733	733	735	737	743	749	750
2	754	758	759	761	759	752	755	750	751	736	713	664	579	676	664	734	777	762	742	731	734	738	748	755	731
3	741	744	754	771	765	758	757	755	754	744	731	756	755	761	765	754	762	757	749	744	743	744	747	751	753
4	756	759	762	760	762	769	766	762	758	756	759	759	766	755	767	766	761	752	752	744	742	741	744	742	757
5 D	741	743	757	759	761	780	807	756	691	519	652	746	760	752	737	747	760	758	749	735	741	749	747	758	738
6	735	743	745	773	751	742	731	727	708	611	548	711	774	766	767	766	765	759	745	756	750	752	749	745	734
7	742	754	758	757	754	753	748	749	752	712	736	765	765	763	759	755	758	749	743	741	738	735	734	742	748
8	748	746	733	740	760	752	747	752	662	627	680	694	718	701	747	773	756	746	741	740	744	742	739	732	730
9	705	747	746	749	752	756	771	746	701	545	666	709	674	736	739	748	736	749	738	732	744	740	742	738	725
10	748	750	746	741	746	744	746	736	721	526	713	767	756	753	752	753	742	742	739	744	739	744	744	743	735
11	733	737	749	747	726	745	751	747	752	729	747	747	749	748	740	722	719	736	737	733	737	742	744	745	740
12	742	741	743	743	745	737	743	743	741	741	743	746	747	748	745	745	740	731	733	731	733	735	737	742	741
13 Q	743	745	748	745	741	740	742	747	749	747	733	747	741	740	753	749	743	737	729	732	734	739	741	743	742
14	741	746	746	747	748	747	745	746	749	749	753	755	754	759	763	762	758	751	741	736	731	735	732	739	747
15 D	760	771	766	803	776	761	749	755	747	674	651	476	648	772	764	755	752	745	737	716	725	733	735	757	730
16 D	763	766	771	757	752	753	750	751	752	731	712	670	732	710	648	680	735	717	714	696	727	731	748	736	729
17	747	753	757	758	757	761	759	760	745	744	723	718	737	752	760	747	733	735	730	722	724	727	743	737	743
18	737	746	759	757	756	756	760	758	758	753	751	750	748	738	719	730	756	753	740	732	730	730	738	737	746
19 Q	731	749	753	749	752	750	751	747	743	739	739	746	753	746	741	746	754	747	736	731	730	731	736	741	743
20 Q	749	750	749	748	750	749	746	747	745	747	749	744	743	747	750	750	740	748	743	734	728	732	734	738	744
21 Q	746	747	750	747	746	741	739	740	745	747	747	750	751	750	752	752	751	744	735	733	730	732	736	738	744
22	745	747	748	752	750	747	745	747	727	750	758	755	742	743	751	759	760	749	744	734	736	735	733	733	745
23	742	751	753	751	752	753	752	751	745	747	753	754	769	767	763	753	761	760	751	747	747	742	746	734	752
24	744	749	755	760	760	758	761	758	752	748	755	762	763	766	767	769	764	756	749	741	739	750	752	753	755
25	737	741	749	760	785	753	741	738	694	694	753	755	743	739	742	749	753	747	741	733	710	729	733	736	740
26 D	731	744	750	747	760	758	753	743	744	750	753	752	747	755	751	646	684	723	677	736	728	743	745	729	735
27 D	732	734	740	742	741	740	739	730	726	727	746	743	726	705	699	724	742	727	710	694	716	724	732	738	728
28	747	741	735	741	743	758	743	744	746	742	744	745	746	747	741	728	733	736	729	727	722	723	727	731	738
29																									
30																									
31																									
Mean	743	748	751	754	753	752	752	748	736	706	724	730	737	745	743	744	748	745	736	732	733	737	740	742	741

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 6 Meanook D = 25° E + ... ′ February 1945

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	17.2	19.0	19.1	21.2	21.3	22.3	18.1	18.0	17.4	17.9	18.4	18.3	18.8	19.3	20.0	21.8	23.7	22.2	19.8	18.1	16.9	16.3	17.3	17.7	19.2
2	18.1	18.5	18.9	18.6	18.7	19.4	23.4	20.3	20.4	17.8	15.6	25.7	22.7	26.1	20.9	18.6	21.3	23.1	17.3	17.9	14.3	13.3	14.1	14.5	19.1
3	16.5	17.4	19.3	30.0	20.3	19.7	19.6	18.7	18.0	16.5	14.2	20.1	19.0	19.3	19.2	18.8	23.2	24.1	21.3	19.1	17.5	15.8	15.7	17.3	19.2
4	18.0	17.9	18.5	18.9	16.1	26.7	19.9	17.2	17.3	17.9	18.2	18.5	19.1	19.3	19.2	20.9	21.9	23.2	21.2	20.0	18.3	16.9	16.6	17.5	19.1
5 D	17.8	15.9	18.1	17.5	16.2	26.2	23.3	19.8	16.6	19.0	27.2	20.6	20.0	19.1	16.1	17.0	21.4	22.7	20.0	17.0	15.5	15.6	16.3	17.0	19.0
6	18.8	19.0	19.3	21.4	22.2	21.9	22.3	22.7	24.1	23.1	29.7	29.9	19.2	19.4	18.2	20.3	21.2	21.4	18.0	17.4	16.6	17.0	17.1	17.8	20.8
7	18.2	18.1	18.5	19.2	19.3	19.4	19.6	19.9	20.9	14.2	17.6	20.9	20.6	18.7	17.6	19.0	20.1	18.1	18.8	19.1	18.1	16.6	17.0	18.0	18.6
8	17.6	17.0	17.5	20.2	20.3	21.1	19.3	19.4	26.8	19.6	20.3	26.0	29.7	22.5	20.0	23.3	23.5	23.2	19.4	19.0	18.2	17.3	16.5	17.1	20.6
9	20.1	17.2	18.2	19.0	19.1	18.5	24.8	28.7	19.1	18.6	14.2	23.7	20.5	16.3	17.3	17.6	15.8	20.2	16.5	18.0	18.6	17.9	18.3	18.6	19.0
10	19.1	19.3	19.7	23.6	19.2	20.3	20.6	20.8	20.7	14.1	19.5	19.7	19.9	19.4	18.9	19.7	20.0	20.6	18.7	18.4	15.8	17.2	16.8	16.6	19.1
11	17.3	18.5	18.7	18.4	28.0	26.4	23.5	18.5	21.2	16.5	17.5	18.4	19.3	19.1	19.7	19.8	16.7	17.2	17.8	15.5	14.6	15.2	16.1	17.4	18.8
12	18.8	18.8	19.5	21.7	19.6	22.2	27.3	17.5	16.2	17.1	18.1	19.2	19.1	19.5	19.8	20.9	21.5	19.8	19.0	17.3	16.3	15.9	16.9	17.8	19.2
13 Q	17.7	18.0	18.6	19.1	19.2	19.2	19.4	17.8	18.0	18.8	17.1	19.7	22.8	20.7	24.3	22.9	24.1	23.1	21.4	19.6	17.2	16.6	17.2	17.5	19.6
14	17.8	17.8	18.5	18.8	18.6	18.4	18.3	18.7	18.5	17.8	18.0	18.2	19.2	19.9	20.6	23.1	24.4	22.7	20.1	16.6	15.7	14.5	11.5	14.9	18.4
15 D	15.2	11.0	15.8	10.7	14.6	17.8	20.2	20.1	20.9	22.3	22.7	41.9	22.3	24.7	25.9	28.2	26.6	23.4	22.0	16.7	12.1	13.7	12.1	11.8	19.7
16 D	19.3	16.7	15.0	16.0	20.4	19.7	18.0	25.5	19.5	20.5	22.4	19.8	21.6	21.3	13.1	17.0	17.4	17.6	16.4	06.8	10.1	13.6	14.1	16.3	17.4
17	16.7	16.8	16.6	17.1	20.9	18.4	19.1	19.5	17.7	17.8	17.6	15.0	20.8	17.5	18.1	20.5	21.7	19.8	20.6	19.5	17.4	15.6	14.6	15.8	18.1
18	16.1	15.0	17.5	17.4	19.0	24.0	24.4	19.5	20.1	18.8	18.0	18.7	20.5	19.4	17.4	19.3	23.3	24.2	22.9	20.8	17.9	16.6	14.9	14.0	19.2
19 Q	14.6	13.0	12.0	17.4	19.6	19.8	21.4	19.5	19.5	22.7	23.7	23.1	21.4	21.9	20.3	23.1	24.4	24.1	22.7	20.3	18.1	16.8	15.6	15.3	19.6
20 Q	16.2	16.1	17.6	18.9	20.1	19.0	18.9	20.0	18.0	18.4	18.2	18.0	16.7	20.0	22.6	24.5	22.5	21.1	21.7	20.0	18.4	16.9	16.5	15.9	19.0
21 Q	16.6	17.6	18.5	18.9	18.8	19.2	21.9	20.0	19.4	18.7	19.3	19.5	19.9	20.3	20.4	20.9	22.0	22.6	21.7	19.4	17.5	17.1	16.8	17.2	19.3
22	17.4	18.5	18.4	17.9	18.5	18.7	18.6	22.3	20.7	22.8	20.6	20.9	19.5	17.6	21.4	22.3	23.4	23.6	21.4	18.0	16.1	15.9	15.1	15.2	19.4
23	16.1	17.1	18.0	18.5	18.8	18.6	19.5	19.3	19.1	20.3	19.9	20.4	21.9	24.2	24.4	20.0	18.4	18.6	19.0	17.4	16.8	16.9	17.4	18.0	19.1
24	18.8	17.6	18.5	18.1	18.3	21.7	19.9	20.7	17.6	17.2	17.5	18.4	19.1	19.5	20.1	20.1	21.0	21.0	18.1	15.4	13.7	15.9	15.2	12.8	18.2
25	10.4	17.0	19.5	20.1	35.5	22.2	21.7	21.8	23.7	19.1	19.6	20.1	22.2	24.8	28.0	24.9	23.7	23.9	23.2	22.4	18.5	18.1	17.7	17.3	21.5
26 D	17.9	18.3	18.8	18.6	23.0	20.1	18.6	19.9	22.6	21.5	20.6	20.4	19.1	20.5	21.8	14.6	06.5	15.1	10.4	13.8	15.2	13.9	16.2	16.9	17.7
27 D	19.7	20.6	19.7	19.9	21.1	29.3	19.8	22.0	18.9	21.9	20.7	21.6	23.8	20.6	22.7	22.6	23.1	21.7	24.6	25.0	15.0	14.6	15.8	17.3	20.9
28	17.3	17.8	20.6	20.9	25.0	22.6	20.4	19.2	17.7	19.1	19.7	19.9	19.6	20.0	20.5	18.6	19.5	21.1	20.5	19.7	17.5	16.9	17.6	17.9	19.2
29																									
30																									
31																									
Mean	17.3	17.3	18.2	19.2	20.4	21.2	20.8	20.3	19.7	18.9	19.5	21.3	20.3	20.4	20.3	20.7	20.9	21.2	19.8	18.2	16.4	16.0	16.0	16.5	19.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook $Z = 59,000\ \gamma +$ February 1945

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	148	148	151	152	155	155	148	146	142	138	140	141	137	138	138	141	140	140	141	143	143	145	144	144	144
2	143	138	137	137	137	136	143	136	128	114	083	012	-21	-30	016	093	138	132	126	136	145	151	153	151	110
3	154	154	155	175	148	147	143	141	133	132	101	110	128	134	138	139	140	134	129	133	138	142	142	142	139
4	136	136	139	141	141	152	163	140	137	136	136	136	134	134	134	135	135	131	134	136	140	140	141	140	139
5 D	136	140	139	138	163	125	119	133	118	-74	022	075	127	123	119	129	138	137	135	138	140	139	140	149	119
6	166	161	159	161	152	149	145	130	096	-76	-128	-04	125	138	141	138	141	134	132	139	142	139	142	143	115
7	140	136	136	135	134	134	135	117	117	049	059	107	123	128	128	127	126	126	128	136	130	136	133	135	123
8	135	138	147	168	162	142	135	108	003	-19	003	026	039	001	042	118	126	134	129	134	135	140	142	149	102
9	160	158	144	136	137	155	125	101	101	-12	-01	046	043	106	106	139	131	133	135	138	146	147	143	143	115
10	144	142	141	143	142	139	141	118	138	-65	034	130	131	129	128	129	129	130	129	131	131	133	131	134	121
11	133	139	135	137	142	147	109	111	116	109	124	126	130	124	121	117	121	119	127	128	130	132	130	132	127
12	126	126	127	129	129	129	126	133	127	126	126	125	121	120	119	119	121	126	127	129	129	131	130	129	126
13 Q	127	123	122	122	123	122	122	118	117	115	104	102	104	102	104	119	119	119	119	120	124	125	124	123	117
14	118	118	118	118	118	118	118	117	116	116	116	115	108	107	115	115	113	109	109	110	112	113	122	125	115
15 D	141	187	197	219	216	150	131	140	107	-42	-53	-63	057	116	123	101	112	102	102	110	123	140	145	153	113
16 D	189	177	167	165	156	149	091	060	101	095	085	059	108	077	008	033	079	075	103	107	117	123	136	132	108
17	137	125	126	137	147	146	145	107	096	105	092	085	101	115	126	115	113	122	117	121	142	142	143	146	123
18	140	134	136	134	133	135	125	117	115	110	111	111	106	101	090	089	102	106	107	112	115	121	123	131	117
19 Q	130	132	150	142	135	131	136	127	120	118	109	109	109	107	107	111	114	112	111	111	113	115	115	115	120
20 Q	112	110	106	106	106	105	105	106	106	095	097	105	096	098	104	106	106	109	109	106	109	113	112	110	106
21 Q	106	105	105	106	106	113	114	107	103	101	101	102	103	103	103	103	103	103	102	103	105	106	102	101	104
22	098	099	098	096	096	096	096	093	052	069	087	086	079	079	076	089	087	087	084	089	091	093	098	100	088
23	095	095	095	095	095	095	095	093	086	072	068	053	065	073	068	078	083	086	086	088	092	091	091	087	084
24	082	085	082	081	081	090	103	085	081	054	067	074	076	078	079	078	077	077	077	080	087	086	088	093	081
25	102	142	101	103	135	075	076	047	010	-70	-13	060	092	090	077	075	075	073	071	072	079	087	087	091	072
26 D	077	078	079	080	110	115	096	064	042	038	064	071	069	070	060	032	058	065	090	110	120	137	113	087	080
27 D	100	093	087	085	086	086	086	066	013	031	073	082	067	062	054	077	077	064	072	096	033	095	080	081	077
28	094	090	094	084	088	050	068	070	071	071	072	071	070	070	069	065	069	074	071	077	077	078	079	078	075
29																									
30																									
31																									
Mean	127	129	128	129	131	124	119	108	096	058	067	080	101	096	096	104	110	109	111	115	121	123	122	123	109

98668—5

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Meanook — February 1945

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	02	15	763	18	01	719	44	05	07	26.7	20	20	15.5	11.2	04	23	163	13	23	136	27
2	16	42	785	11	45	537	248	13	28	35.4	12	42	10.7	24.7	23	45	165	13	22	-67	232
3	03	42	786	10	10	718	68	03	24	42.6	10	10	11.0	31.6	03	36	204	10	45	084	120
4	05	16	801	04	57	725	76	05	12	32.0	04	46	-0.1	32.1	05	52	193	05	00	097	96
5 D	06	28	885	09	23	445	440	05	55	51.4	09	18	02.2	49.2	04	58	204	09	28	-237	441
6	03	32	798	10	40	473	325	10	20	52.3	09	45	08.6	43.7	00	37	199	09	36	-240	439
7	07	42	790	09	12	698	92	07	06	28.7	09	07	08.4	20.3	07	27	151	10	03	012	139
8	15	50	799	09	35	521	278	08	52	37.2	09	25	08.7	28.5	04	34	184	09	32	-100	284
9	06	25	833	09	28	390	443	07	07	36.0	10	52	08.3	27.7	06	30	187	09	34	-153	340
10	11	05	777	09	35	436	341	03	21	26.7	09	28	02.3	24.4	03	40	148	09	33	-120	268
11	05	58	784	15	55	703	81	04	50	40.0	17	37	13.2	26.8	05	40	160	06	36	072	88
12	06	00	776	05	55	704	72	05	56	37.2	08	55	14.6	22.6	07	55	140	06	29	114	26
13 Q	14	30	757	10	36	710	47	16	50	26.5	10	35	09.7	16.8	00	45	130	10	50	071	59
14	00	40	785	22	00	718	67	17	02	29.0	21	38	10.4	18.6	23	59	144	12	40	093	51
15 D	03	13	831	11	42	340	491	11	42	52.2	12	12	03.4	48.8	04	12	256	10	04	-190	446
16 D	00	07	806	11	20	615	191	07	44	29.2	19	36	03.4	25.8	00	23	216	14	32	-20	236
17	07	42	783	20	10	675	108	12	48	24.1	20	48	13.6	10.5	20	40	169	13	00	070	99
18	06	25	769	14	55	699	70	05	58	31.1	23	25	13.2	17.9	05	34	149	15	00	069	80
19 Q	01	50	766	20	15	723	43	11	07	25.8	02	21	08.2	17.6	03	35	153	13	02	102	51
20 Q	15	47	754	20	50	722	32	15	45	26.2	12	20	14.2	12.0	21	40	117	09	14	087	30
21 Q	15	25	755	20	52	727	28	06	27	25.8	22	41	16.5	09.3	07	15	120	07	43	094	26
22	17	15	776	08	55	704	72	06	57	29.6	08	30	09.2	20.4	23	30	104	08	50	-15	119
23	12	05	777	23	18	720	57	14	35	28.7	21	28	15.0	13.7	07	00	100	11	53	034	66
24	23	20	786	20	28	732	54	05	45	29.5	23	30	09.4	20.1	05	59	118	09	43	039	79
25	04	23	811	09	16	636	175	04	43	53.7	00	35	07.8	45.9	04	27	179	09	18	-102	281
26 D	04	22	797	15	42	571	226	04	27	29.2	16	53	03.2	26.0	21	00	168	15	45	011	157
27 D	16	05	782	14	47	657	125	05	47	41.4	08	35	10.3	31.1	20	18	167	08	46	-56	223
28	05	20	797	18	32	711	86	05	14	30.8	05	38	11.1	19.7	04	45	097	05	32	012	85
29																					
30																					
31																					
Mean			789			633	156			34.3			09.4	24.9			160			-04	164
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 $H = 12,000\ \gamma +$ March 1945

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	734	742	743	742	744	743	741	744	739	731	692	716	758	751	743	748	745	741	741	725	727	730	737	747	738
2	747	747	750	748	747	747	745	748	750	749	750	753	745	748	757	752	734	744	732	722	728	740	746	745	745
3	747	730	731	760	786	758	748	745	618	591	726	727	723	761	760	746	731	721	719	723	721	731	739	747	729
4 Q	751	749	749	744	740	742	742	745	755	760	749	736	738	740	741	742	747	736	725	719	719	730	736	740	741
5	736	739	743	748	744	745	749	751	742	733	756	746	743	752	742	715	682	684	610	694	712	723	749	728	728
6	748	722	734	737	744	742	761	769	753	735	693	715	689	738	748	751	715	715	712	711	722	730	736	740	732
7	739	738	740	743	739	748	747	729	614	532	710	758	755	754	754	750	741	737	737	733	730	732	727	730	726
8	731	743	744	762	754	741	737	738	712	740	692	493	532	634	708	719	649	739	748	733	730	735	737	740	708
9	744	746	747	742	741	742	743	741	740	746	743	737	741	744	738	736	724	716	707	693	707	722	722	727	733
10	731	737	743	741	742	741	741	741	744	742	743	744	743	744	745	741	739	731	729	730	735	736	748	753	740
11 D	752	774	809	808	768	750	722	705	644	305	365	558	301	472	539	668	711	630	677	722	726	733	731	723	650
12 D	715	728	749	733	749	752	729	490	581	499	499	558	754	709	379	476	534	626	661	702	840	805	855	769	662
13	719	714	721	725	723	721	706	675	663	675	651	525	665	733	718	728	732	723	717	714	715	713	718	729	701
14	731	732	733	734	735	742	721	744	739	677	706	682	749	747	715	714	725	718	720	715	711	723	717	712	723
15 D	807	1024	905	1002	981	905	743	638	694	714	732	725	743	741	695	644	714	676	672	689	696	764	911	772	774
16	785	771	759	770	802	810	745	721	690	715	534	468	732	721	651	612	693	686	725	711	718	706	729	724	707
17	738	734	742	735	740	740	741	729	729	726	737	736	736	733	736	732	726	719	705	696	697	720	722	729	728
18	734	730	731	733	737	741	744	741	745	734	745	744	742	741	739	737	727	708	700	713	722	723	734	723	732
19	726	735	738	732	728	734	736	737	738	738	740	735	734	733	744	732	730	724	718	721	721	729	734	739	732
20	734	723	734	739	741	740	738	748	693	717	732	736	728	739	740	735	726	717	704	701	687	678	746	718	725
21	717	724	728	743	732	740	746	742	745	689	681	748	745	753	749	748	735	717	696	713	728	735	730	731	730
22 Q	728	729	734	736	742	736	738	737	732	729	731	723	721	723	742	738	728	718	717	720	727	735	735	734	731
23 Q	736	739	735	736	736	738	742	741	744	733	735	749	748	750	742	740	736	729	725	728	730	733	735	736	737
24	736	741	745	749	750	747	747	752	744	710	668	762	749	738	733	732	741	732	727	730	733	733	731	746	736
25	734	742	740	741	740	738	742	746	746	746	739	708	700	748	752	754	727	724	732	734	736	744	739	758	738
26 D	767	835	729	739	756	817	695	460	261	090	545	767	743	606	440	467	673	749	700	720	739	728	775	760	648
27	755	751	740	735	733	739	753	748	743	665	432	646	696	688	700	707	710	726	673	692	721	720	746	759	707
28 D	755	766	746	756	766	755	728	560	727	770	512	-147	560	131	600	764	753	734	730	731	732	739	739	739	652
29	735	738	735	734	733	704	714	626	603	607	517	564	712	755	727	731	731	734	726	722	726	721	733	735	698
30 Q	741	735	737	743	740	734	738	739	740	739	744	745	745	739	741	742	727	726	721	717	719	727	731	735	735
31 Q	741	746	744	741	744	746	744	747	746	745	748	748	746	744	743	741	730	725	720	726	730	730	738	729	739
Mean	742	752	747	753	753	751	738	709	697	674	669	665	707	703	702	711	717	716	709	716	725	731	745	739	720

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 10 Meanook D = 25° E + ... ′ March 1945

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	18.7	18.7	21.0	21.6	19.0	19.1	19.7	21.1	18.7	20.2	14.0	18.4	20.7	22.0	22.1	21.6	22.1	21.7	20.2	17.8	16.8	15.9	16.1	16.3	19.3
2	16.8	17.9	18.2	18.1	19.0	19.4	19.1	18.2	18.7	19.7	19.3	23.7	22.3	22.0	23.8	24.4	19.7	19.4	18.2	15.8	14.4	15.7	16.9	18.5	19.1
3	18.3	15.8	16.6	19.3	20.5	26.5	23.9	21.1	13.5	16.9	21.9	20.0	20.1	23.5	23.9	24.3	21.8	20.4	15.9	15.2	13.2	15.4	16.9	18.2	19.3
4 Q	19.2	18.7	18.8	19.2	19.0	19.2	18.6	18.6	18.5	14.4	19.7	19.8	21.3	22.5	23.1	23.9	24.0	23.9	22.3	18.9	16.9	15.7	15.7	14.3	19.4
5	16.5	17.1	18.8	19.3	20.1	22.5	20.0	19.1	20.4	17.5	19.2	19.3	19.8	22.3	22.1	21.7	20.2	22.5	-1.9	03.0	11.6	11.1	11.3	16.5	17.1
6	17.0	18.4	20.3	19.4	19.6	19.0	32.2	21.8	20.2	17.9	16.0	17.5	26.7	27.1	24.7	24.2	20.2	17.1	15.5	15.2	14.8	17.1	17.0	16.0	19.8
7	15.7	17.8	19.2	19.4	23.3	25.0	23.7	23.3	19.0	15.5	20.0	22.8	22.3	21.6	22.0	22.1	22.6	22.4	21.3	19.4	18.1	17.7	17.5	16.9	20.4
8	17.7	17.9	16.3	23.6	34.3	18.3	19.0	21.8	18.4	22.9	26.2	24.8	19.1	34.4	24.7	22.1	13.7	16.7	20.3	20.1	19.3	18.5	18.2	18.1	21.1
9	18.4	18.3	18.5	18.7	18.6	19.0	19.2	20.1	20.5	21.9	21.0	20.8	21.3	21.7	23.3	23.4	23.0	19.5	16.1	12.6	12.5	15.6	18.0	18.1	19.2
10	17.6	19.4	19.2	18.8	18.3	18.5	19.9	19.7	20.2	20.5	20.9	21.4	21.3	22.4	23.9	25.1	24.9	23.8	20.5	18.8	17.6	17.0	16.1	14.5	20.0
11 D	10.3	20.8	14.9	29.6	19.0	19.5	22.2	29.6	16.6	36.2	41.3	21.9	46.6	12.7	15.6	29.0	19.4	23.8	08.3	14.7	15.8	18.5	19.7	20.2	21.9
12 D	19.5	19.1	19.8	20.3	23.2	26.6	23.7	09.5	22.2	22.4	02.0	26.6	25.8	27.3	32.0	07.8	19.6	21.2	21.1	20.6	22.4	20.0	19.2	14.7	20.3
13	12.7	16.4	19.5	20.2	22.8	22.9	23.1	23.7	24.9	21.4	18.5	06.0	21.1	22.9	23.4	25.7	27.2	26.2	25.0	22.8	20.8	19.0	18.3	18.6	21.0
14	19.1	18.5	18.7	19.1	18.3	22.4	19.5	19.2	20.1	12.5	25.3	27.7	24.3	23.3	23.8	24.6	23.7	24.9	24.1	22.0	19.4	16.8	14.7	12.7	20.6
15 D	08.4	05.5	19.6	17.9	18.4	16.2	32.3	04.0	24.9	25.6	23.4	23.4	22.7	23.4	26.6	19.5	26.0	18.2	15.4	14.9	17.1	14.5	20.3	14.7	18.9
16	18.9	10.0	17.6	14.7	17.2	18.4	21.3	13.7	18.0	23.4	16.3	24.3	28.7	26.0	24.1	12.3	21.2	18.5	20.0	16.3	17.5	15.7	20.3	19.4	18.9
17	17.8	21.8	25.3	19.3	19.5	19.0	27.0	25.3	19.2	19.4	20.5	20.1	20.3	22.4	23.7	23.8	24.3	23.7	21.9	19.5	16.1	15.5	15.0	16.2	20.7
18	15.5	14.4	14.2	15.5	23.8	23.3	19.4	19.4	19.9	17.5	20.8	21.8	23.3	24.8	25.2	25.5	26.2	24.5	18.7	16.6	15.7	16.4	16.4	15.2	19.8
19	14.5	16.9	18.0	18.4	18.8	19.1	19.6	19.9	20.1	20.5	20.3	20.1	19.1	20.0	21.5	22.6	22.8	22.2	18.9	17.8	16.5	16.7	16.4	15.5	19.0
20	15.5	15.7	19.5	19.2	18.5	17.8	23.8	20.5	18.3	19.4	22.0	21.2	18.7	21.3	24.6	25.8	26.0	23.1	19.8	22.1	19.4	01.9	10.5	11.7	19.0
21	14.5	17.8	18.1	17.8	18.7	19.8	19.9	20.1	21.2	22.2	21.0	22.9	22.4	23.6	25.1	24.8	23.6	25.0	20.0	12.0	12.5	13.4	15.9	16.8	19.5
22 Q	18.0	18.2	20.0	19.8	18.5	21.0	19.2	19.4	17.3	16.7	18.6	20.8	21.0	22.0	23.8	24.7	25.4	25.7	22.2	19.9	17.3	16.3	16.2	17.2	20.0
23 Q	17.3	17.6	17.5	17.6	18.1	21.3	20.2	20.0	21.5	20.2	17.8	20.2	21.5	22.3	22.8	23.9	24.9	23.4	21.1	17.7	16.2	15.5	16.9	17.2	19.7
24	17.3	16.9	17.1	17.5	17.6	17.3	19.8	22.5	19.2	28.4	40.5	28.1	23.2	25.0	25.5	29.9	31.5	23.5	21.1	19.6	17.4	16.0	16.3	13.8	21.9
25	16.0	18.1	16.9	18.0	18.4	21.0	19.1	19.0	18.9	19.0	18.1	17.6	17.4	20.6	24.8	29.0	24.6	20.5	19.1	17.2	16.0	15.2	14.9	12.5	18.8
26 D	11.4	11.9	12.7	17.4	22.3	35.5	20.1	04.0	-2.4	73.1	26.5	20.3	26.0	29.2	22.5	07.0	08.5	21.4	18.6	15.1	13.3	11.6	14.5	15.3	19.0
27	18.3	17.9	27.6	20.0	17.2	16.7	20.7	17.5	19.1	20.8	26.8	33.3	30.7	21.8	25.1	23.2	21.6	22.9	19.2	17.5	14.3	14.1	13.6	15.2	20.6
28 D	14.2	14.5	18.6	19.7	17.4	20.0	19.0	14.4	27.0	20.4	26.2	58.1	35.3	43.5	05.8	27.2	26.2	24.0	22.2	18.3	16.8	17.1	17.1	17.8	16.5
29	17.8	17.5	18.2	18.8	18.8	24.4	22.0	17.9	03.7	23.0	34.0	36.9	30.4	23.0	24.2	23.8	23.8	25.5	23.5	20.2	19.4	17.8	16.7	16.5	21.6
30 Q	16.7	17.5	18.2	18.4	18.6	18.5	18.4	18.6	18.5	19.2	19.3	19.2	19.7	21.0	22.9	23.2	22.9	22.0	18.4	16.5	14.7	13.9	14.4	15.1	18.6
31 Q	15.8	16.7	16.9	17.5	17.7	17.6	18.1	19.0	18.5	18.6	19.6	20.0	20.5	22.3	24.0	25.8	25.1	23.4	21.2	19.2	16.7	15.7	14.0	14.6	19.1
Mean	16.3	16.9	18.6	19.2	19.9	20.8	21.4	17.8	18.5	22.2	21.8	19.4	23.7	23.8	23.2	23.0	22.8	22.3	19.0	17.3	16.5	15.5	16.3	16.1	19.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Meanook $Z = 59,000\ \gamma +$ March 1945

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	074	073	074	074	071	071	071	067	046	037	-01	-01	035	062	068	068	069	067	065	067	069	072	072	072	060
2	068	068	068	067	065	065	066	065	065	061	051	044	047	042	053	048	059	065	056	055	058	066	069	069	060
3	068	073	085	105	123	119	092	089	032	-89	-11	041	004	052	068	064	056	058	065	071	073	078	075	073	061
4 Q	068	069	069	069	069	069	068	065	063	027	042	062	070	066	062	057	057	054	056	060	061	067	068	070	062
5	067	071	069	069	070	072	066	067	066	037	054	051	036	035	033	015	016	038	007	050	098	102	093	072	056
6	089	076	078	077	074	074	003	-25	050	049	-23	-19	-42	020	047	062	048	065	075	074	081	067	067	076	048
7	079	082	074	075	080	091	073	053	-12	-123	-16	042	058	059	062	060	057	055	062	060	057	060	061	063	050
8	062	062	064	120	140	093	074	045	-75	-09	-12	-143	-126	-165	005	025	-21	040	052	053	057	060	061	059	022
9	057	053	054	054	054	054	054	053	052	041	052	047	046	051	051	052	050	050	050	054	064	072	080	083	055
10	070	059	058	051	051	051	052	054	051	050	050	050	049	050	049	049	049	050	050	050	051	050	052	059	052
11 D	099	155	176	162	159	122	085	-38	-95	-83	061	-60	-91	-113	-147	010	042	021	028	052	058	061	069	069	033
12 D	063	057	077	079	069	-04	008	-54	-95	-191	-95	-147	049	014	-98	-71	-29	-06	047	087	147	143	120	100	011
13	080	063	067	066	064	064	035	-22	-69	-36	-49	-124	-45	036	054	060	059	056	058	058	058	049	047	059	029
14	055	049	052	052	054	055	016	068	064	-09	-17	-42	035	048	052	041	047	053	053	051	053	059	069	079	043
15 D	117	-80	-45	062	048	070	-04	-95	-04	016	051	050	062	051	010	-01	034	017	050	078	093	125	156	102	040
16	143	104	137	124	129	134	084	021	-15	042	-102	-98	019	021	-12	-27	020	024	059	053	059	061	072	081	047
17	072	079	071	061	051	042	039	022	032	035	042	049	050	047	047	048	047	049	052	056	059	064	064	074	052
18	060	067	067	078	078	071	068	049	049	030	032	038	038	040	040	041	041	041	048	048	049	055	068	062	052
19	059	064	054	052	050	050	047	046	044	043	036	034	040	034	043	041	044	042	040	041	044	047	050	050	046
20	049	054	060	046	042	047	059	056	005	000	002	026	019	028	032	032	032	033	033	031	047	099	094	049	041
21	031	042	039	052	047	049	044	042	036	-68	-101	-09	004	021	030	032	029	027	031	041	035	039	041	036	024
22 Q	038	037	038	040	037	037	037	038	026	-15	-11	015	027	027	034	037	035	035	037	037	039	040	039	038	031
23 Q	033	034	037	037	037	038	037	037	022	005	-01	023	028	032	032	029	029	033	032	034	037	037	037	036	031
24	033	028	028	028	029	036	041	027	036	-41	-40	024	033	026	023	012	012	016	022	026	028	033	034	037	022
25	043	048	036	033	035	038	038	032	031	030	017	-36	-58	-32	010	026	017	021	026	023	025	027	029	043	021
26 D	106	163	091	064	072	012	022	-143	071	-39	016	050	018	-50	-194	-242	-120	023	035	063	060	042	065	071	011
27	059	065	084	058	045	039	045	045	025	-34	-207	-125	-70	012	004	018	027	040	041	084	069	056	059	061	021
28 D	047	044	068	044	062	023	-21	-280	-81	020	020	001	-58	-112	-77	026	034	034	038	038	037	036	036	033	000
29	032	033	033	033	032	001	-32	-116	-140	-118	-219	-209	-67	029	020	029	029	036	038	038	042	049	054	052	-15
30 Q	045	032	034	037	037	037	035	033	032	032	032	032	029	032	032	033	031	033	032	033	037	038	038	038	034
31 Q	036	033	033	033	033	032	032	031	029	026	027	027	027	027	027	027	026	025	024	028	033	038	044	045	031
Mean	065	060	062	065	065	057	043	011	011	-09	-11	-10	009	016	015	023	026	039	044	051	057	061	064	062	036

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook — March 1945

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	55	766	10	51	636	130	08	02	24.5	10	38	04.7	19.8	03	15	082	10	50	-93	175
2	15	05	764	20	10	720	44	15	27	25.8	20	07	13.0	12.8	22	55	078	10	56	026	52
3	04	10	864	09	00	345	519	09	15	31.1	08	50	01.4	29.7	04	36	149	08	57	-90	239
4 Q	11	25	768	19	22	708	60	16	42	26.1	09	15	10.1	16.0	12	05	073	09	40	011	62
5	22	25	807	18	20	566	241	16	36	31.2	18	37	-10.0	41.2	22	30	120	18	28	-19	139
6	07	15	824	12	22	664	160	06	50	45.1	07	37	10.0	35.1	20	25	090	06	55	-88	178
7	15	32	773	09	12	388	385	05	02	32.9	09	01	05.7	27.2	05	53	101	09	10	-187	288
8	04	40	826	11	44	252	574	13	35	49.4	12	48	08.6	40.8	04	17	213	13	09	-325	538
9	09	45	760	19	20	687	73	14	57	24.5	20	35	11.2	13.3	23	43	102	09	18	-274	376
10	23	25	772	17	26	725	47	17	01	26.6	23	59	11.8	14.8	00	20	081	09	50	041	40
11 D	03	46	914	10	09	-55	969	10	12	65.9	09	53	-03.7	69.6	10	09	318	14	16	-305	623
12 D	21	00	938	09	56	-125	1063	14	34	52.8	10	00	-64.6	117.4	21	03	231	09	50	-306	537
13	23	05	739	12	35	467	272	08	35	34.8	11	14	-0.8	35.6	00	03	100	11	25	-198	298
14	05	45	767	11	22	636	131	06	16	35.0	09	23	03.0	32.0	23	50	107	11	22	-89	196
15 D	02	32	1282	08	35	546	736	06	26	63.0	07	27	-29.8	92.8	22	38	204	01	58	-304	508
16	04	50	837	10	42	279	558	11	30	39.8	01	45	05.0	34.8	00	16	249	11	00	-173	422
17	05	05	761	08	30	687	74	06	30	35.9	21	46	13.7	22.2	01	50	091	08	35	-271	362
18	05	43	751	18	17	691	60	04	24	30.0	09	42	12.3	17.7	04	31	102	09	53	-03	105
19	23	30	752	18	15	716	36	16	15	23.9	23	38	04.1	19.8	01	24	072	11	00	027	45
20	22	25	770	20	55	615	155	06	48	33.1	21	18	-05.7	38.8	21	36	116	08	45	-76	192
21	11	52	759	09	40	638	121	17	12	28.0	20	11	10.3	17.7	05	28	060	09	44	-155	215
22 Q	11	25	749	18	09	716	33	16	37	26.2	08	59	11.5	14.7	03	24	041	09	15	-30	71
23 Q	11	33	753	18	17	722	31	16	28	25.3	21	13	15.3	10.0	05	55	040	10	20	-14	54
24	10	55	795	10	11	493	302	10	17	52.4	23	53	11.3	41.1	23	52	056	10	07	-180	236
25	15	18	763	12	50	677	86	15	44	31.1	23	54	09.8	21.3	24	00	059	12	55	-94	153
26 D	05	28	923	09	25	-269	1192	09	05	142.9	08	38	-60.2	203.1	09	46	395	09	14	-418	813
27	02	05	790	10	15	303	487	10	15	65.0	10	43	-03.3	68.3	02	11	112	10	58	-289	401
28 D	08	27	834	11	12	-482	1316	13	16	93.5	11	18	-129.0	222.5	03	39	260	07	30	-811	1071
29	13	30	774	10	58	382	392	11	02	58.4	08	05	-12.9	71.3	22	19	064	07	55	-316	380
30 Q	03	40	757	19	07	712	45	15	00	26.9	21	27	12.7	14.2	03	25	050	14	55	015	35
31 Q	10	55	751	18	45	715	36	16	23	27.5	23	04	11.8	15.7	23	06	048	09	00	023	25
Mean			809			476	333			42.2			-4.0	46.2			125			-160	285
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 1945

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	742	750	739	746	748	824	393	393	432	217	091	067	350	393	475	673	728	757	749	727	746	757	764	752	584
2	741	764	785	757	737	747	729	692	749	739	741	725	655	690	729	725	703	695	725	731	729	726	729	729	728
3	729	743	744	729	735	735	738	745	737	738	743	744	748	743	737	737	726	718	718	717	715	715	715	717	732
4	727	738	738	738	738	741	743	743	745	745	751	751	742	713	581	661	712	729	725	718	712	712	710	724	722
5	727	735	738	743	745	746	746	745	745	751	746	696	759	760	758	751	723	704	724	737	759	750	735	727	740
6 D	734	746	734	741	750	770	687	524	547	423	415	687	656	703	709	697	703	695	728	735	738	734	744	761	682
7	734	742	783	804	781	768	701	649	606	754	752	758	744	732	746	746	740	740	738	739	748	761	751	739	740
8	768	773	775	748	748	750	728	705	652	641	695	649	687	677	733	717	728	730	727	733	740	742	746	742	722
9 Q	740	742	738	734	738	742	751	743	745	742	742	744	744	740	740	734	727	720	719	722	723	728	736	742	736
10	752	749	740	739	748	748	749	752	756	759	760	751	739	735	743	756	748	740	730	725	724	724	730	746	743
11 D	751	763	763	761	756	760	759	742	337	189	493	527	178	577	685	681	706	722	722	724	738	752	817	805	654
12 D	850	803	803	901	780	764	722	574	531	652	722	737	735	750	754	702	694	722	725	737	737	795	772	781	739
13	774	734	739	754	761	742	740	624	633	581	630	589	690	753	739	737	734	725	719	726	723	742	743	722	711
14 D	744	777	806	758	744	741	727	654	696	674	730	739	693	680	728	738	715	674	683	692	713	766	795	766	726
15	756	756	750	752	751	762	695	716	738	742	695	500	599	691	750	747	699	715	711	711	716	720	728	740	714
16	749	749	743	743	741	741	746	744	750	750	745	744	746	746	747	743	725	724	726	723	722	729	733	743	740
17 Q	744	747	744	747	746	751	748	745	746	750	747	747	747	746	745	734	728	725	726	726	731	736	737	737	741
18	739	746	748	740	740	748	749	755	744	745	749	729	747	752	747	748	736	733	733	733	735	735	743	738	742
19	738	764	762	765	780	812	803	762	568	725	752	722	708	753	752	748	736	731	731	734	734	733	732	737	741
20	750	754	754	758	746	748	779	751	762	751	728	575	578	665	655	712	726	721	720	730	738	743	744	740	722
21	746	746	747	747	747	745	747	747	750	751	751	753	751	751	750	747	741	733	728	726	732	740	744	742	744
22	717	731	744	746	742	737	744	748	753	757	752	756	758	758	754	748	732	716	715	714	712	709	731	742	738
23	746	759	740	747	747	751	754	755	765	758	759	758	754	768	759	739	737	719	726	729	736	739	739	737	747
24	756	752	768	757	768	709	684	724	744	738	765	738	759	765	752	753	736	718	699	703	724	732	759	739	739
25	749	752	747	741	741	744	745	736	720	751	757	750	755	761	748	747	734	722	719	721	731	739	743	741	741
26 Q	740	742	744	745	748	747	743	749	749	749	750	753	742	747	744	743	724	712	713	717	727	734	745	749	740
27 Q	747	741	749	741	743	747	748	748	749	752	752	755	758	761	758	748	733	720	711	712	723	732	739	744	742
28 Q	740	744	747	746	746	747	746	748	750	750	748	751	755	758	756	750	736	724	719	723	723	732	747	754	743
29	749	749	747	750	750	751	753	754	750	760	760	759	763	753	755	754	741	740	733	730	740	742	751	749	749
30	744	745	745	748	745	754	744	749	706	668	596	761	767	769	766	760	744	724	730	724	732	734	728	747	735
31																									
Mean	747	751	753	754	750	752	728	707	688	683	694	690	694	720	730	733	726	722	722	724	730	738	744	744	726

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 14 Meanook D = 25° E + ... ′ April 1945

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	14.9	15.0	16.7	18.8	22.0	24.9	09.1	22.9	09.1	29.1	35.6	49.6	50.5	34.5	22.9	28.0	25.9	22.7	18.6	13.7	16.0	16.0	13.7	14.5	22.7
2	15.1	28.2	21.4	18.5	22.8	32.4	22.0	13.7	19.5	19.3	19.1	17.1	13.0	21.4	21.0	22.4	19.0	16.6	16.9	15.9	16.4	16.0	16.1	16.1	19.2
3	16.2	16.5	17.6	20.5	17.4	17.8	18.4	18.2	18.0	18.7	18.9	19.1	19.0	19.9	21.8	23.1	23.2	22.6	21.4	18.5	15.8	15.0	13.7	13.9	18.6
4	14.8	15.8	16.1	16.7	17.2	17.1	17.3	17.6	18.0	18.1	18.1	18.2	16.8	17.5	19.5	19.2	21.1	24.0	24.4	20.0	16.6	15.3	15.1	14.5	17.9
5	15.2	16.2	16.6	16.9	16.7	16.5	16.4	16.8	18.4	18.1	17.7	24.9	23.8	20.0	20.4	20.5	20.2	15.9	11.7	19.8	27.8	10.6	11.5	13.5	17.8
6 D	15.1	17.0	16.5	15.1	15.4	17.7	09.3	10.3	-7.1	40.2	42.2	26.9	22.3	21.8	25.3	23.9	21.8	20.5	17.7	14.4	14.7	16.5	15.5	14.1	18.6
7	17.8	16.6	18.8	27.5	22.9	21.2	20.4	11.5	19.3	19.2	17.3	17.2	16.8	18.6	23.4	23.6	23.5	21.7	20.1	18.1	16.6	16.1	19.2	17.3	19.4
8	17.7	14.8	15.7	25.1	17.3	19.2	10.7	14.4	09.2	10.0	18.7	18.0	15.3	18.7	23.2	22.0	21.2	19.6	17.9	14.8	14.8	14.8	15.5	15.8	16.8
9 Q	16.4	16.0	17.2	18.2	18.1	17.6	18.0	17.9	17.3	17.1	17.8	18.4	19.4	20.1	22.1	23.1	23.4	21.5	17.6	14.5	12.6	12.2	12.4	13.0	17.6
10	14.9	15.9	17.0	17.4	16.1	15.8	15.6	16.2	16.5	16.8	16.7	16.1	19.2	14.5	21.3	23.2	24.1	23.8	21.3	18.4	15.5	13.5	12.6	12.0	17.3
11 D	12.5	13.2	14.0	13.9	14.0	14.4	14.4	15.4	-0.8	-46.8	16.4	38.6	29.1	31.4	31.4	25.2	19.9	18.7	16.3	13.4	12.5	10.5	13.4	09.6	14.6
12 D	08.3	25.4	17.9	11.1	17.2	16.2	06.3	03.2	09.7	08.7	16.5	17.7	18.5	21.4	24.1	25.1	18.6	15.6	14.6	15.3	18.9	18.4	14.3	11.2	15.6
13	16.3	13.8	15.5	20.4	28.9	27.3	16.7	19.2	26.8	21.3	18.7	19.4	15.9	21.0	24.3	24.8	22.6	22.8	17.9	13.7	12.5	20.2	09.6	13.4	19.3
14 D	11.4	07.6	26.5	22.0	14.1	13.8	10.9	06.7	10.7	07.3	19.6	20.5	19.1	17.3	20.9	24.2	23.4	21.8	11.0	12.0	09.3	10.2	13.3	11.9	15.2
15	13.0	15.6	13.5	11.1	13.6	15.0	27.5	19.8	14.6	18.1	15.4	11.0	12.1	16.2	24.0	23.2	23.9	21.0	16.6	13.6	11.1	08.4	08.5	10.0	15.7
16	12.1	14.4	16.9	16.2	15.2	15.0	19.8	14.0	17.3	16.1	16.1	18.3	20.8	22.1	22.5	23.8	24.1	20.6	17.9	14.2	13.7	13.0	13.0	12.1	17.0
17 Q	14.9	13.4	14.5	14.3	14.2	21.4	19.1	16.0	16.7	16.3	17.5	18.7	19.7	21.6	22.2	22.6	22.3	21.1	17.6	13.7	11.8	12.0	12.4	12.8	17.0
18	13.6	13.6	15.2	15.3	14.5	13.5	15.0	16.5	17.1	18.3	18.9	15.5	19.6	20.7	22.2	21.5	21.0	19.3	17.5	15.3	13.1	11.9	10.9	11.1	16.3
19	11.3	08.7	05.7	04.8	10.8	11.7	15.6	13.1	06.9	17.4	19.0	22.0	24.0	26.3	22.9	21.8	20.8	20.2	18.9	16.6	11.3	08.9	07.9	09.8	14.8
20	10.7	09.7	17.0	11.9	13.1	13.4	19.8	28.9	15.9	15.4	14.9	11.6	14.1	19.9	19.4	17.2	17.3	15.7	14.6	12.3	11.6	11.7	12.9	13.5	15.1
21	13.6	13.6	13.8	14.3	14.6	14.8	16.1	15.5	15.3	15.5	15.5	16.5	18.0	18.8	20.9	21.3	22.3	19.9	16.2	12.5	11.7	10.7	11.1	11.3	15.6
22	13.4	12.6	13.6	14.2	14.3	15.0	14.9	14.6	15.3	14.9	15.9	16.7	18.4	21.1	23.5	24.2	25.7	19.3	12.1	08.3	07.4	03.4	07.3	10.7	14.9
23	14.0	13.4	14.5	14.1	13.2	13.3	14.8	14.2	15.4	14.0	14.4	21.0	27.5	25.7	27.8	30.6	19.5	14.2	10.1	07.8	09.3	07.7	10.6	12.5	15.8
24	13.0	17.4	22.7	17.4	15.8	10.0	35.3	24.6	15.4	14.0	15.4	16.4	17.4	23.2	24.1	23.6	22.7	18.3	16.1	08.7	07.2	08.7	10.0	12.5	17.1
25	14.5	16.4	17.1	18.3	14.0	14.3	15.3	17.4	18.5	15.6	15.4	15.2	18.1	19.3	22.8	22.0	20.6	18.1	15.5	13.5	12.5	12.8	11.8	12.3	16.3
26 Q	13.5	14.2	14.5	15.4	15.1	14.5	14.8	15.7	14.8	14.4	15.7	16.1	15.8	19.8	19.9	20.6	18.1	15.7	13.5	12.3	11.8	11.4	11.6	12.9	15.1
27 Q	13.7	14.3	15.4	17.0	14.5	14.1	14.4	14.5	14.4	14.8	15.0	15.6	17.4	19.3	21.0	22.2	22.9	21.6	17.8	14.0	11.3	10.5	10.4	11.1	15.7
28 Q	12.2	13.3	14.3	14.8	14.9	14.4	14.3	14.7	14.5	15.9	15.1	15.3	15.6	19.8	21.6	22.4	21.8	20.1	15.9	11.2	09.4	07.7	07.9	10.8	14.9
29	13.6	14.3	15.0	14.1	13.6	13.9	14.2	14.5	14.2	14.6	16.9	15.7	18.1	19.3	23.8	24.7	22.3	21.0	17.0	14.0	09.4	07.2	06.4	09.7	15.3
30	12.6	14.9	15.0	16.4	14.9	15.1	19.2	20.9	19.0	27.1	21.1	20.4	19.8	22.3	24.9	25.2	26.2	22.3	11.7	13.1	10.7	10.4	09.2	10.2	17.6
31																									
Mean	13.9	15.1	16.2	16.4	16.2	16.7	16.5	16.0	14.3	15.3	18.5	19.6	19.8	21.1	22.8	23.2	22.0	19.9	16.5	14.1	13.1	12.1	11.9	12.5	16.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Meanook Z = 59,000 γ + April 1945

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	045	056	064	048	046	072	035	228	178	022	104	128	003	049	-92	-56	-01	042	045	049	064	066	062	054	055
2	052	087	102	095	063	021	003	-59	037	036	033	018	-70	-54	-07	009	011	-01	027	030	033	031	031	032	023
3	032	031	036	042	037	037	031	012	030	030	030	030	030	030	030	031	031	032	032	031	030	030	030	026	031
4	029	030	030	030	029	029	029	029	029	029	029	026	024	007	-86	-53	-27	011	024	022	024	026	030	035	016
5	029	028	025	024	024	024	023	023	021	019	000	-99	-03	028	027	022	022	-05	-20	006	029	138	058	023	019
6 D	018	033	045	042	056	061	-78	-138	-209	-52	-174	-74	-43	005	010	-17	-08	021	042	027	024	023	031	054	-13
7	072	056	069	022	026	018	-180	-134	004	020	022	025	032	018	029	031	031	028	028	027	025	036	071	086	019
8	108	102	107	061	063	030	-44	-89	-129	-189	-86	-86	-40	-85	-29	005	014	032	028	027	030	025	030	025	-04
9 Q	024	034	034	037	034	025	002	010	020	024	024	024	024	019	019	018	020	020	020	019	015	015	019	015	021
10	015	020	023	025	022	020	020	020	015	018	018	005	-01	-40	-29	-02	010	012	010	012	017	020	020	020	010
11 D	018	016	014	019	026	032	029	-10	-123	072	055	-77	066	-79	-26	-25	002	023	024	031	042	058	083	061	014
12 D	091	115	081	115	-81	001	043	-37	-112	-86	-31	023	023	025	029	018	014	020	024	029	042	105	066	073	025
13	082	039	030	030	-01	030	035	-39	-24	-14	-108	-91	-59	006	015	015	023	028	029	028	028	030	049	047	009
14 D	053	084	114	068	062	032	-03	-73	-64	-116	-63	-13	-23	-35	-14	-06	002	012	021	043	057	073	093	041	014
15	045	055	041	058	043	041	-62	-93	-16	-05	-18	-142	-147	-117	-32	-09	019	027	025	027	030	026	024	026	-06
16	023	022	022	015	011	009	004	-57	-11	004	-04	004	004	006	008	007	002	002	002	004	010	010	012	020	005
17 Q	027	022	020	018	020	021	011	003	008	010	009	007	006	009	007	007	007	004	001	001	006	007	008	006	010
18	007	009	015	016	017	013	-40	-04	004	004	-01	-16	-11	002	000	000	-02	001	-01	003	007	008	009	015	002
19	014	020	036	069	095	111	062	024	-92	-29	-26	-29	-48	-27	-01	005	006	002	-01	-01	008	012	016	020	010
20	016	034	073	070	028	015	012	-35	-15	004	-15	-118	-146	-110	-78	-28	-03	008	006	010	007	006	006	006	-10
21	009	012	006	001	-01	000	000	000	000	-02	-05	-03	-02	-02	-04	-02	-04	-04	-04	-04	-04	000	007	017	000
22	016	009	001	-04	-06	-06	-05	-04	-08	-08	-10	-06	-04	-03	-05	-05	-05	-09	-14	-04	005	006	006	-02	-03
23	-08	007	-01	-01	-01	-05	-08	-12	-06	-17	-109	-135	-86	-15	-07	-17	-28	-28	-18	-15	-07	-02	007	006	-21
24	013	046	074	074	066	-68	-75	-138	-26	-30	-06	-17	001	002	-08	-12	-09	-10	-05	008	006	013	014	012	-03
25	008	025	044	022	011	004	-11	-66	-120	-55	-16	-16	-18	-05	-10	-07	-09	-13	-11	-04	-01	-02	000	-05	-11
26 Q	-04	-05	-07	-08	-09	-11	-11	-20	-13	-10	-10	-08	-21	-27	-22	-20	-16	-16	-13	-07	-04	-04	-02	-02	-11
27 Q	-04	-04	000	-02	-08	-11	-11	-12	-12	-14	-12	-11	-09	-11	-12	-12	-12	-11	-14	-14	-08	-06	-01	-05	-09
28 Q	-10	-11	-13	-14	-14	-14	-14	-14	-14	-17	-17	-11	-11	-11	-13	-14	-14	-16	-18	-17	-17	-17	-17	-13	-14
29	-16	-12	-13	-19	-21	-21	-21	-20	-20	-25	-28	-26	-20	-20	-23	-29	-28	-32	-35	-36	-30	-27	-23	-21	-24
30	-16	-16	-16	-14	-14	-16	-82	-55	-116	-140	-161	-56	-22	-19	-21	-23	-24	-19	-24	-24	-24	-21	-17	-11	-40
31																									
Mean	026	031	035	031	021	016	-10	-26	-26	-17	-19	-25	-19	-15	-12	-06	001	005	007	010	015	023	023	022	004

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook — April 1945

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	05	22	918	10	12	-250	1168	11	43	126.4	07	00	-23.1	149.5	12	00	366	10	25	-322	688
2	02	55	830	12	40	609	221	01	56	48.5	07	15	00.1	48.4	02	56	137	07	23	-156	293
3	12	40	762	03	08	706	56	03	12	26.3	23	12	13.4	12.9	03	30	049	07	18	-11	60
4	11	22	759	14	43	534	225	14	41	26.3	14	21	04.7	21.6	23	37	038	14	43	-133	171
5	20	38	829	11	34	665	164	20	36	35.1	21	40	04.7	30.4	21	22	172	11	35	-154	326
6 D	05	22	820	10	18	328	492	09	20	63.9	08	04	-34.2	98.1	09	40	176	10	13	-275	451
7	06	12	923	07	12	504	419	06	14	72.9	07	15	-17.5	90.4	02	54	117	07	06	-289	406
8	03	00	878	08	45	550	328	03	04	39.3	08	35	-06.1	45.4	03	05	161	08	40	-249	410
9 Q	01	49	767	19	45	712	55	15	58	24.9	21	22	12.1	12.8	01	40	043	06	57	-23	66
10	14	53	762	13	37	681	81	16	25	24.8	13	31	10.9	13.9	03	20	028	13	41	-56	84
11 D	22	21	849	12	23	-98	947	11	57	95.1	09	10	-94.0	189.1	09	54	295	08	42	-215	510
12 D	01	15	1084	08	08	359	725	01	29	46.5	04	28	-22.5	69.0	01	24	193	04	40	-193	386
13	04	05	781	07	50	493	288	08	12	33.7	11	57	07.2	26.5	00	07	138	11	31	-144	282
14 D	02	35	1022	13	00	622	400	02	46	56.4	09	25	00.4	56.0	02	39	191	09	18	-169	360
15	07	55	843	11	30	360	483	06	03	53.2	11	41	04.3	48.9	03	54	071	11	25	-175	246
16	07	05	772	16	43	718	54	06	43	28.5	07	30	09.9	18.6	02	28	025	07	33	-93	118
17 Q	05	50	765	19	17	716	49	15	22	23.4	20	22	11.2	12.2	05	18	037	07	35	-03	40
18	06	49	774	11	53	722	52	14	27	22.5	00	15	09.7	12.8	03	55	020	06	39	-76	96
19	06	30	823	08	32	489	334	13	16	32.1	08	30	00.3	31.8	05	30	121	08	24	-132	253
20	06	45	870	11	49	384	486	07	08	52.1	12	20	03.5	48.6	02	19	106	11	52	-192	298
21	14	45	759	20	00	716	43	16	32	22.9	23	47	10.2	12.7	23	45	020	20	03	-10	30
22	11	27	766	21	20	693	73	16	12	28.5	21	23	00.1	28.4	00	02	019	18	30	-16	35
23	21	55	783	11	17	622	161	12	52	33.8	21	20	05.3	28.5	01	45	014	11	25	-161	175
24	06	47	867	06	32	571	296	06	54	60.7	05	33	-07.4	68.1	03	10	100	07	16	-191	291
25	01	10	774	08	55	697	77	14	32	24.9	22	20	11.1	13.8	02	53	051	09	00	-128	179
26 Q	13	55	758	18	02	706	52	15	37	22.0	21	35	10.6	11.4	23	15	004	13	17	-36	40
27 Q	13	05	762	18	30	708	54	16	10	23.9	21	30	09.1	14.8	02	25	008	19	31	-17	25
28 Q	14	02	759	18	40	718	41	15	28	24.9	20	58	05.3	19.6	15	39	-05	09	34	-19	14
29	09	50	769	18	58	719	50	14	53	26.0	22	20	05.9	20.1	01	40	-10	19	03	-39	29
30	06	02	784	10	12	423	361	16	50	32.9	22	40	08.8	24.1	23	50	-08	10	05	-253	245
31																					
Mean			820			546	274			41.1			-1.5	42.6			089			-131	220
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 1945

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	756	777	744	753	753	749	749	749	745	732	675	742	746	759	756	747	740	731	721	724	738	741	742	742
2 D	775	734	783	732	844	826	674	709	643	667	733	748	713	734	758	748	734	730	731	732	734	731	734	742	737
3	767	771	741	749	748	745	744	744	736	709	650	748	763	752	755	748	718	732	732	740	740	761	754	738	741
4	745	733	741	749	754	777	756	728	710	742	742	749	745	754	754	753	746	731	728	723	723	741	733	749	742
5 Q	752	740	748	746	748	742	740	721	715	753	750	748	734	724	728	740	749	734	721	724	732	734	740	738	738
6	733	741	749	747	747	743	741	743	747	749	745	745	763	757	745	758	743	730	767	768	753	749	745	750	748
7 Q	740	740	748	748	752	750	752	754	756	757	754	757	761	763	762	752	738	726	726	738	754	761	740	753	749
8 Q	746	740	754	755	746	750	760	722	748	750	746	743	744	754	750	742	729	721	721	732	738	747	754	754	744
9	753	748	744	741	742	745	750	750	763	765	763	761	766	763	761	738	736	714	705	706	726	745	769	776	747
10	748	734	736	744	740	744	739	734	722	732	738	741	736	742	745	732	726	714	711	729	752	745	767	752	738
11 D	770	749	754	735	756	826	721	755	739	620	636	495	670	558	556	647	704	719	725	720	760	750	750	753	703
12 D	787	797	787	778	754	767	742	720	700	689	670	744	740	736	726	717	722	717	709	722	736	755	759	760	739
13	761	750	734	733	734	740	741	738	745	745	744	736	717	725	733	731	722	702	695	702	713	731	757	754	733
14	762	749	747	742	745	745	742	742	749	751	745	721	707	715	665	733	715	729	721	723	726	714	729	763	732
15 Q	760	750	750	739	737	745	743	733	742	749	749	753	753	751	743	737	735	721	716	728	731	739	732	742	741
16	760	753	756	767	737	739	739	745	749	753	753	759	759	754	753	745	727	715	728	731	728	743	759	745	746
17	793	765	769	760	748	743	743	746	752	754	747	740	738	737	746	734	730	722	724	728	732	738	742	750	745
18	760	756	755	753	755	758	744	739	752	735	739	731	725	723	700	713	737	728	734	731	741	761	762	727	740
19	763	751	765	746	750	753	750	755	756	760	758	749	744	749	749	728	735	749	743	741	742	733	755	763	749
20	762	759	764	766	771	727	638	628	597	728	763	763	764	770	766	753	735	751	750	751	750	750	754	760	738
21	758	760	753	750	750	745	738	742	738	744	754	763	761	759	738	738	739	729	729	731	733	739	738	744	745
22 Q	761	761	763	754	751	749	741	751	750	724	695	754	756	742	744	742	730	720	715	721	731	744	758	759	742
23	765	769	768	759	758	761	758	740	761	758	744	724	768	775	771	751	741	728	727	736	740	745	754	758	752
24	785	740	743	747	750	742	738	716	680	685	676	759	759	758	754	729	717	716	707	724	734	754	761	768	735
25 D	768	766	784	773	749	755	738	739	764	759	751	727	765	772	769	745	753	737	724	727	721	733	741	762	751
26	778	751	751	747	747	751	759	763	765	766	760	766	773	770	770	770	759	747	737	731	731	737	744	751	755
27	756	752	746	746	748	750	752	756	756	756	759	760	752	750	764	757	746	741	742	746	741	742	757	759	751
28	760	756	750	748	748	755	747	749	750	753	729	757	771	774	784	777	769	775	769	766	753	742	744	754	758
29	792	772	757	768	770	761	751	751	747	753	758	751	764	770	771	768	754	723	729	741	745	751	768	760	757
30 D	754	751	757	752	758	755	758	748	752	758	755	731	750	763	758	772	765	762	742	738	754	743	731	821	755
31	797	765	759	774	760	759	737	610	652	695	730	609	737	760	775	763	773	768	753	755	742	741	744	752	738
Mean	763	754	756	751	754	755	740	733	732	736	734	732	746	745	744	742	737	731	729	732	737	743	749	755	743

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 18 Meanook D = 25° E + ... ′ May 1945

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	10.7	16.0	17.0	13.6	15.5	16.5	17.3	16.2	15.9	13.6	12.2	13.1	16.9	22.0	23.7	23.7	23.8	21.7	20.4	17.0	12.6	13.3	12.6	12.4	16.6
2 D	09.8	12.6	14.1	17.6	15.4	24.8	13.9	17.1	19.0	17.2	22.0	17.1	16.2	20.7	22.1	22.7	23.0	21.0	16.3	13.2	12.5	12.2	12.1	11.6	16.8
3	09.8	15.4	15.1	14.5	26.1	15.1	15.4	14.7	16.6	20.8	20.0	19.5	21.1	21.0	22.6	20.9	22.2	12.7	15.6	13.1	13.6	12.9	12.0	13.7	16.8
4	13.3	13.1	13.3	13.7	14.3	16.6	19.5	13.7	15.1	14.7	16.0	17.2	19.2	20.5	22.2	23.0	21.7	19.5	15.8	14.0	10.6	10.4	10.5	11.1	15.8
5 Q	12.5	13.7	16.6	17.9	13.9	15.0	21.4	15.5	12.2	15.1	14.7	14.3	15.2	20.1	21.6	22.2	23.0	19.2	13.6	12.0	12.4	12.5	13.5	13.7	15.9
6	14.1	14.4	14.7	16.0	15.8	14.7	15.8	17.0	16.2	16.6	16.4	16.1	17.6	19.0	20.5	20.3	20.4	20.0	12.9	13.9	14.4	13.7	14.5	14.3	16.2
7 Q	15.1	15.2	15.1	15.1	14.8	13.8	14.5	14.7	14.3	14.5	14.8	15.5	16.7	16.9	19.2	24.4	23.1	19.8	15.5	10.9	09.6	09.0	08.7	09.0	15.0
8 Q	09.5	10.8	11.2	11.0	11.5	12.7	10.8	09.5	13.9	13.7	15.2	17.6	20.2	23.4	23.6	22.2	20.7	16.7	12.0	10.0	07.1	07.3	09.6	12.0	13.8
9	13.9	13.6	12.9	06.2	15.8	15.8	19.3	13.8	12.9	13.8	15.8	17.8	19.7	21.8	26.5	26.0	19.6	24.0	17.5	06.7	03.4	07.1	07.9	06.9	14.9
10	07.2	09.7	11.1	09.9	13.5	12.9	14.0	14.6	12.6	15.9	18.8	14.2	19.8	22.2	25.3	25.4	19.6	14.0	10.9	05.3	00.9	03.1	03.4	05.3	12.9
11 D	05.8	14.8	13.1	13.7	13.6	15.3	22.4	16.8	15.0	15.4	31.2	14.5	29.4	41.2	47.8	40.1	26.5	15.9	12.9	08.2	09.4	09.2	09.9	11.1	18.9
12 D	10.2	07.1	15.1	16.0	16.8	13.7	15.1	16.5	17.5	07.5	12.6	15.5	18.6	22.6	24.5	24.7	22.6	19.3	14.6	09.8	05.8	05.4	05.4	05.2	14.3
13	06.5	09.4	10.0	13.1	14.7	16.1	15.7	17.0	14.9	14.2	14.0	15.6	17.1	21.0	22.9	22.1	23.8	22.5	15.5	09.3	05.5	06.5	05.9	07.4	14.2
14	11.4	11.4	11.9	12.4	11.8	13.0	14.6	17.4	14.7	13.3	14.8	13.7	20.6	20.1	21.1	27.2	19.1	18.7	15.0	12.8	11.3	08.3	09.0	13.5	14.9
15 Q	14.2	15.4	15.1	15.3	15.2	14.5	14.0	12.9	13.1	13.4	15.6	17.1	18.2	19.6	21.5	21.7	21.2	18.3	15.2	12.7	10.3	10.0	09.6	09.8	15.2
16	10.5	11.9	11.3	17.9	16.7	15.0	14.1	14.3	14.2	14.7	16.0	17.6	19.8	21.6	22.9	23.2	23.8	22.0	16.3	13.6	09.7	07.7	09.6	09.6	15.6
17	08.7	07.7	07.9	11.1	13.2	12.0	12.4	12.1	14.3	14.0	15.5	18.2	20.9	23.2	17.4	24.4	21.7	19.3	15.5	10.5	08.1	08.9	09.7	09.7	14.0
18	10.7	11.2	11.6	11.4	12.4	10.7	13.5	16.3	17.7	14.6	18.5	20.0	22.5	27.8	24.8	27.0	22.1	14.8	12.7	09.8	10.1	11.0	10.8	09.6	15.5
19	11.8	14.0	14.7	14.9	16.9	16.0	15.5	14.9	16.3	14.7	13.7	16.7	23.3	24.1	26.3	26.9	23.4	19.5	13.7	12.3	10.3	09.9	09.6	11.8	16.3
20	14.0	13.3	13.8	14.3	40.4	17.5	19.4	23.1	26.8	17.2	15.1	17.3	20.2	23.5	23.4	24.4	21.6	17.0	12.7	10.9	10.6	10.7	11.8	12.9	18.0
21	12.8	13.9	13.9	13.1	13.1	13.2	13.7	14.4	15.1	18.6	20.2	19.5	16.9	21.1	25.9	29.0	22.7	21.8	19.5	16.5	13.5	12.1	13.1	12.6	16.9
22 Q	12.9	13.0	14.3	13.9	14.0	14.7	14.5	17.2	21.2	18.4	18.1	21.3	22.6	21.7	23.3	25.1	24.2	20.3	15.9	12.3	11.8	11.5	11.8	12.6	16.9
23	13.5	12.5	12.0	12.1	11.9	16.4	33.8	20.3	14.2	13.1	16.4	17.9	20.2	23.4	24.5	23.5	22.7	19.2	12.1	08.2	08.7	07.9	09.4	10.8	16.0
24	12.2	15.9	16.6	17.4	18.0	18.7	14.1	19.9	18.4	16.5	16.6	19.3	21.9	22.8	24.2	24.0	19.7	16.1	13.2	09.9	06.0	08.0	10.9	12.7	16.4
25 D	13.2	15.5	16.4	30.6	23.4	20.8	20.9	14.6	15.1	14.1	14.3	14.0	22.2	25.2	26.4	25.1	21.3	16.8	12.2	18.0	07.4	06.8	08.0	09.3	17.2
26	09.1	09.6	11.7	12.6	12.5	13.5	14.1	15.1	15.3	15.5	17.0	19.6	22.3	22.8	24.5	26.1	24.6	21.4	19.9	11.2	07.6	06.8	07.6	09.3	15.4
27	11.4	13.4	14.5	15.4	15.6	14.9	15.1	16.4	16.9	16.1	17.2	19.0	19.8	20.9	23.6	26.3	30.4	25.3	19.6	14.1	10.3	10.1	09.2	10.1	16.9
28	11.5	12.8	14.2	15.6	15.7	17.4	17.1	19.4	16.6	16.2	16.7	17.1	17.7	20.3	22.4	22.5	23.4	20.4	18.3	16.6	12.8	10.1	09.1	09.6	16.4
29	10.2	11.8	13.0	14.4	18.1	17.4	19.5	17.7	19.4	21.5	16.5	16.2	19.1	21.7	25.8	27.2	28.2	26.2	17.7	16.2	13.2	11.8	11.3	10.4	17.7
30 D	10.9	12.4	12.3	17.1	17.6	14.0	14.5	19.9	22.4	17.9	16.8	17.0	23.2	24.1	26.2	24.2	27.2	25.9	20.8	16.6	15.0	09.6	06.2	07.2	17.5
31	12.0	11.9	13.6	19.0	15.7	25.0	20.1	31.3	26.9	19.5	15.8	08.0	10.1	20.1	25.4	26.4	25.9	25.4	22.4	19.2	14.8	12.4	11.4	11.2	18.5
Mean	11.3	12.7	13.5	14.7	16.3	15.7	16.6	16.6	16.6	15.6	16.7	16.7	19.6	22.5	24.3	24.9	23.0	19.8	15.7	12.4	10.0	09.6	09.8	10.5	16.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Meanook $Z = 59,000\ \gamma +$ May 1945

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	-02	029	068	014	-17	-39	-35	-27	-27	-33	-48	-140	-72	-51	-30	-17	-17	-21	-22	-17	-13	-10	-16	-15	-23
2 D	111	002	035	032	057	046	-88	-52	-148	-130	-69	-20	-41	-48	-22	-16	-20	-18	-17	-18	-20	-17	-15	-10	-20
3	005	044	038	010	-02	-04	-06	-15	-44	-106	-160	-41	-17	-26	-30	-23	-24	-25	-30	-19	-22	-11	003	012	-21
4	001	-11	-13	-13	-02	009	-51	-53	-121	-58	-44	-38	-21	-21	-24	-26	-27	-29	-29	-24	-19	-16	-13	-07	-27
5 Q	-11	-13	-13	-16	-19	-15	-25	-59	-113	-46	-35	-30	-52	-60	-66	-59	-41	-36	-36	-33	-25	-14	-11	-13	-35
6	-19	-23	-28	-31	-29	-29	-30	-33	-34	-36	-41	-46	-40	-41	-53	-53	-55	-64	-49	-42	-33	-24	-22	-23	-37
7 Q	-29	-34	-35	-35	-34	-34	-34	-33	-34	-35	-34	-32	-32	-32	-35	-42	-41	-41	-44	-45	-38	-32	-32	-20	-35
8 Q	-16	-12	-12	008	-03	-15	-14	-71	-66	-51	-52	-52	-46	-32	-28	-31	-35	-37	-39	-42	-37	-35	-28	-26	-32
9	-30	-28	-28	-27	-27	-26	-34	-37	-32	-32	-35	-34	-31	-37	-40	-46	-48	-47	-46	-42	-26	000	028	019	-29
10	007	-05	-05	005	004	-21	-35	-103	-108	-94	-73	-132	-90	-64	-56	-59	-61	-63	-56	-41	-34	-20	018	-05	-45
11 D	-08	-07	025	-02	004	-91	-134	-16	-21	-166	-138	-170	-193	-210	-193	-153	-82	-26	-16	-06	022	012	-01	-09	-66
12 D	011	034	039	018	034	042	-02	-56	-52	-74	-25	-15	-13	-15	-18	-26	-24	-22	-15	-10	011	044	017	001	-05
13	006	021	013	011	-07	-22	-38	-33	-26	-04	-15	-22	-48	-45	-36	-26	-21	-20	003	000	001	000	002	008	-12
14	015	-03	000	-05	-07	-07	-12	-22	-12	-17	-31	-66	-93	-77	-104	-85	-53	-22	-18	-18	-12	-12	-09	010	-28
15 Q	004	-09	-09	-09	-11	-13	-20	-61	-55	-29	-17	-15	-15	-14	-17	-20	-23	-24	-24	-21	-13	-07	-07	-02	-18
16	000	005	024	037	002	-07	-15	-17	-17	-17	-15	-13	-14	-21	-21	-23	-30	-32	-35	-28	-24	-26	-21	001	-13
17	023	026	030	042	030	006	-08	-28	-26	-12	-20	-24	-26	-39	-39	-41	-39	-34	-28	-23	-17	-14	-14	-05	-12
18	012	010	006	001	-06	005	001	-13	-23	-38	-38	-38	-43	-50	-53	-55	-29	-25	-25	-20	-13	-08	013	008	-18
19	012	-08	-08	-08	-06	005	-08	-14	-22	-18	-26	-49	-52	-64	-59	-70	-74	-51	-39	-35	-27	-20	-03	007	-27
20	004	-13	-11	-09	-15	-103	-110	-206	-178	-124	-32	-10	-10	-15	-19	-26	-44	-28	-30	-29	-25	-19	-13	-10	-45
21	-11	-07	-14	-14	-18	-15	-19	-22	-58	-54	-32	-24	-34	-25	-31	-41	-37	-27	-28	-25	-24	-10	-13	-14	-25
22 Q	-14	-17	-16	-19	-18	-18	-18	-32	-39	-67	-136	-57	-41	-44	-44	-37	-31	-26	-22	-17	-13	-14	-13	-10	-32
23	-07	-12	-14	-17	-19	-14	-78	-71	-04	-15	-55	-70	-40	-26	-24	-23	-23	-21	-24	-22	-15	-09	-11	-11	-26
24	-01	021	018	014	012	010	-17	-127	-141	-53	-19	-09	-10	-20	-24	-31	-21	-23	-26	-14	-10	-07	-07	-07	-20
25 D	-08	-03	-04	042	007	000	-74	-49	-29	-12	-23	-71	-43	-32	-30	-44	-39	-39	-39	-30	-17	-19	-11	-11	-24
26	-01	-06	-07	-12	-15	-15	-18	-16	-15	-17	-25	-14	-08	-12	-14	-14	-16	-18	-19	-22	-21	-20	-19	-18	-15
27	-12	-10	-15	-15	-12	-10	-13	-12	-10	-12	-15	-15	-21	-31	-35	-28	-26	-26	-27	-29	-26	-18	-15	-09	-18
28	-04	-04	-08	-09	-09	-05	-07	-12	-08	-34	-64	-27	-12	-05	001	-08	-14	-23	-29	-30	-30	-30	-22	-07	-17
29	018	043	034	042	035	022	014	001	-27	-47	-31	-23	-07	001	-02	-08	-11	-13	-10	-09	-08	-08	004	011	001
30 D	024	024	022	021	001	000	005	-53	-49	-60	-39	-72	-60	-39	-47	-29	-32	-35	-37	-24	-13	-04	020	065	-17
31	061	014	006	005	005	-06	-27	-167	-139	-113	-55	-110	-55	-49	-18	-18	-11	-07	-07	-08	-08	-06	-03	002	-30
Mean	004	002	003	002	-03	-12	-31	-49	-54	-52	-47	-48	-41	-40	-39	-38	-34	-30	-28	-24	-18	-12	-07	-03	-25

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook May 1945

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	23	822	11	07	647	175	17	00	26.9	11	04	04.9	22.0	02	20	096	11	15	-162	258
2 D	04	40	911	06	10	530	381	03	17	43.2	06	07	04.0	39.2	03	00	100	08	47	-194	294
3	01	15	798	10	20	561	237	04	12	38.3	18	45	08.9	29.4	02	07	081	10	20	-218	299
4	05	55	865	07	58	655	210	05	55	28.5	08	54	03.4	25.1	05	12	017	07	57	-171	188
5 Q	09	35	758	08	00	670	88	06	30	25.4	08	12	06.7	18.7	22	50	-08	08	15	-156	148
6	12	45	780	17	20	714	66	16	55	23.2	18	22	11.0	12.2	00	35	-18	17	21	-77	59
7 Q	20	24	771	18	05	721	50	15	45	25.4	22	55	07.2	18.2	23	14	-16	19	35	-48	32
8 Q	03	08	765	07	40	664	101	13	30	24.0	07	38	01.0	23.0	03	50	017	07	45	-130	147
9	23	40	788	19	30	691	97	17	38	30.3	20	06	00.2	30.1	22	31	030	16	00	-57	87
10	22	30	798	13	18	631	167	14	25	26.6	19	55	-01.0	27.6	22	31	039	11	45	-146	185
11 D	05	23	997	11	05	441	556	14	12	56.3	05	22	-25.7	82.0	20	46	042	09	39	-325	367
12 D	02	21	1016	09	07	631	385	15	25	26.7	09	10	03.5	23.2	02	26	110	07	44	-126	236
13	22	12	779	17	57	683	96	16	45	25.1	20	22	03.9	21.2	01	32	025	12	43	-54	79
14	23	50	786	14	30	654	132	15	40	29.6	21	50	07.3	22.3	23	34	019	14	52	-133	152
15 Q	23	59	768	17	50	714	54	15	25	22.6	00	02	09.1	13.5	24	00	005	07	43	-87	92
16	23	12	819	17	07	698	121	03	55	28.4	23	58	06.5	21.9	03	46	072	17	05	-39	111
17	00	05	804	17	55	715	89	14	45	28.0	01	48	03.1	24.9	03	24	058	13	45	-44	102
18	21	45	800	14	16	651	149	13	50	30.7	19	15	06.9	23.8	05	55	018	12	53	-65	83
19	22	13	786	16	05	700	86	14	15	30.7	22	20	06.2	24.5	23	59	019	13	19	-100	119
20	04	35	798	08	50	523	275	14	36	48.6	20	05	09.0	39.6	04	11	006	07	36	-243	249
21	12	31	774	18	02	699	75	14	40	31.0	19	43	09.9	21.1	21	58	006	08	53	-87	93
22 Q	22	15	777	10	18	645	132	08	12	25.9	10	00	08.6	17.3	22	18	-08	10	18	-191	183
23	02	50	790	11	21	692	98	06	49	41.4	20	55	06.1	35.3	07	52	008	07	14	-139	147
24	01	06	811	08	07	645	166	07	52	32.3	20	35	04.6	27.7	01	50	027	07	24	-180	207
25 D	02	50	813	07	28	677	136	03	50	41.2	21	05	05.7	35.5	03	41	067	06	42	-128	195
26	15	15	786	18	58	690	96	18	54	32.0	21	05	05.4	26.6	00	50	009	18	47	-45	54
27	14	15	771	20	56	711	60	16	35	33.9	20	55	07.9	26.0	24	00	000	13	57	-37	37
28	23	24	795	09	16	707	88	16	35	26.2	00	20	07.2	19.0	23	25	006	10	40	-88	94
29	00	23	824	18	15	710	114	17	05	30.9	23	18	08.8	22.1	03	50	055	09	03	-54	109
30 D	21	35	850	22	20	677	173	17	37	35.8	22	18	02.7	33.1	23	37	074	11	40	-96	170
31	00	47	801	07	57	483	318	07	40	48.8	11	15	03.0	45.8	00	03	063	07	53	-278	341
Mean			813			653	160			32.2			04.7	27.5			033			-126	159
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 $H = 12,000\ \gamma +$ June 1945

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	757	762	762	764	764	760	761	758	763	760	762	761	766	775	775	770	762	761	757	756	755	748	751	755	761
2 Q	758	759	754	751	754	754	757	758	758	756	757	758	761	751	760	751	743	739	741	743	745	745	739	754	752
3 Q	765	760	761	765	758	748	745	748	752	755	755	760	764	760	757	755	746	737	726	729	730	742	752	755	751
4	762	759	755	753	752	755	755	759	762	762	767	772	779	779	778	769	752	730	723	729	734	746	741	749	755
5	751	769	763	762	755	755	752	756	756	762	756	767	775	780	783	771	754	739	721	714	737	751	754	760	756
6 D	761	773	781	759	770	776	780	780	746	564	318	311	675	654	641	685	723	713	724	721	718	741	759	793	694
7 D	812	792	770	772	760	745	710	647	753	755	754	751	695	731	743	698	688	678	683	682	722	766	766	770	735
8 D	778	842	819	851	823	592	468	712	731	749	683	716	752	748	731	686	730	736	723	714	733	753	771	773	734
9	794	764	774	753	750	752	722	724	707	606	679	764	760	754	757	747	738	727	729	730	734	743	760	802	740
10 D	779	785	812	799	778	727	748	750	748	735	655	636	744	759	753	742	736	715	710	722	736	747	759	774	744
11	767	805	782	764	755	763	760	733	714	676	725	743	760	748	766	766	761	747	729	715	733	741	737	736	747
12	738	746	754	756	758	756	764	738	748	766	762	760	764	768	771	769	749	740	731	739	740	746	746	749	752
13	741	754	758	760	757	760	756	759	760	749	746	742	707	754	767	772	756	749	745	743	732	741	742	756	750
14	755	767	767	756	752	752	756	758	757	758	761	765	768	771	772	766	756	749	737	733	725	732	731	755	754
15	755	765	770	756	752	758	757	755	758	758	756	750	751	760	755	743	726	708	708	712	726	737	746	754	746
16	772	764	755	756	758	759	765	760	760	763	771	771	766	764	761	750	736	730	729	722	730	733	750	758	753
17	765	769	763	762	758	756	758	767	771	769	769	775	770	766	762	751	776	759	748	731	728	734	743	751	758
18	759	760	765	758	767	760	763	759	760	759	760	766	774	781	782	777	767	750	739	734	744	735	745	747	759
19	759	767	761	753	758	758	759	759	755	759	763	768	768	771	780	774	761	761	744	733	729	732	736	757	757
20	778	792	786	806	812	784	796	792	783	776	775	790	776	767	767	758	765	777	782	803	816	813	793	790	787
21	776	769	769	789	784	781	756	746	750	760	760	759	766	774	770	757	751	750	746	743	741	746	759	766	761
22 Q	766	749	748	743	743	745	749	749	750	751	752	756	759	754	747	740	741	748	740	735	735	741	751	756	748
23	764	772	768	753	754	758	760	766	748	733	740	752	757	768	768	757	747	733	729	729	737	745	747	757	752
24	761	761	768	765	764	755	750	750	752	757	759	765	769	769	768	761	750	732	726	741	736	746	761	781	756
25	780	780	798	778	753	755	756	752	757	747	756	763	771	768	762	757	752	736	727	725	729	733	744	751	755
26	767	768	761	762	754	754	757	758	761	764	770	775	777	775	785	778	768	756	743	740	738	750	752	761	761
27	770	769	790	793	767	793	758	765	603	455	697	718	753	758	779	790	765	745	729	733	736	745	762	771	739
28	774	780	765	757	758	757	760	759	746	717	763	767	764	757	767	757	758	746	737	735	737	740	758	763	755
29 Q	762	764	770	757	752	753	754	755	760	763	763	757	752	767	768	768	759	750	747	745	747	753	756	755	757
30 D	758	759	761	766	780	776	772	772	770	775	777	788	791	752	780	770	759	771	777	772	773	775	773	809	773
31																									
Mean	766	771	770	767	763	753	747	751	748	732	734	741	758	760	762	754	749	740	734	733	739	747	753	764	751

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 22 Meanook — D = 25° E + ... ′ — June 1945

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	11.6	13.8	14.5	14.7	16.7	15.1	16.6	16.3	15.1	14.0	16.2	16.4	19.4	22.3	24.0	25.9	26.1	23.0	17.5	14.7	13.4	11.4	12.0	12.2	16.8
2 Q	12.4	15.1	15.3	14.9	15.2	14.8	15.0	16.7	16.3	16.0	17.0	18.2	18.9	20.1	22.5	24.4	24.0	21.5	16.7	13.4	12.4	11.7	10.5	11.4	16.4
3 Q	12.4	13.4	15.5	20.7	21.5	19.9	16.5	16.6	16.3	15.7	16.5	18.2	19.4	22.6	25.2	24.4	22.9	19.3	16.6	12.3	11.6	12.5	11.6	11.4	17.2
4	13.2	13.8	14.2	14.7	15.4	15.6	15.4	16.2	15.2	15.3	16.1	17.2	19.0	21.2	21.7	22.1	20.1	17.1	15.6	12.9	10.5	11.3	10.6	12.5	15.7
5	14.0	14.7	16.4	15.9	16.4	15.4	16.4	15.5	14.3	13.8	16.6	19.8	21.7	24.1	26.3	25.1	26.0	24.1	19.9	14.4	13.4	10.4	09.6	09.3	17.2
6 D	10.6	12.6	14.4	14.2	10.6	08.9	08.3	10.8	19.1	13.9	43.0	46.3	26.7	29.1	25.4	25.4	23.6	23.4	25.2	21.6	08.6	06.7	07.3	06.6	18.4
7 D	09.6	15.6	09.9	21.0	14.4	15.3	14.4	13.0	12.8	12.5	13.0	13.3	15.5	18.7	24.1	25.3	24.5	23.3	22.1	17.0	11.4	08.6	06.4	05.9	15.3
8 D	05.8	14.3	12.9	11.5	11.0	14.5	10.7	10.6	07.6	15.5	14.9	16.7	19.2	24.9	24.4	22.6	20.4	21.7	23.2	15.7	12.8	11.8	09.7	10.7	15.1
9	10.7	11.5	16.4	15.6	14.8	17.7	21.1	20.0	23.2	29.4	14.8	19.8	21.6	22.4	25.2	26.8	26.6	24.2	19.4	18.1	11.6	09.2	11.6	10.9	18.4
10 D	10.6	11.6	14.1	20.3	17.3	19.4	14.0	15.0	13.6	15.3	12.5	15.1	18.7	13.1	27.2	26.3	27.7	23.3	17.0	09.1	08.4	10.5	10.9	12.4	16.0
11	12.4	24.0	15.5	11.8	12.4	16.5	18.3	13.3	19.6	16.2	16.2	15.5	21.1	21.4	25.8	26.9	27.1	25.8	23.2	18.0	13.8	10.9	09.3	10.5	17.7
12	11.5	13.6	16.5	17.5	15.4	14.5	17.3	13.3	13.5	14.7	15.3	16.3	19.3	20.5	21.8	23.5	24.2	23.5	19.6	14.7	11.3	09.7	08.1	08.9	16.0
13	10.5	10.7	12.4	13.7	13.8	16.8	15.8	15.3	17.2	16.3	14.7	14.6	11.3	18.4	22.6	25.8	27.3	26.3	21.5	15.7	12.3	10.3	09.7	10.2	16.0
14	12.8	15.5	17.3	18.7	15.7	14.7	14.2	14.5	15.1	14.5	15.2	15.7	17.6	20.1	22.2	23.4	22.9	22.1	20.0	17.6	11.3	07.8	08.1	09.1	16.1
15	09.1	08.5	12.2	14.7	13.6	13.8	16.4	14.7	15.2	15.3	17.0	17.7	21.9	22.7	24.0	25.0	24.9	21.1	15.7	10.9	08.1	06.8	07.0	08.7	15.2
16	20.6	12.9	13.6	13.6	13.8	13.6	13.7	13.8	14.5	15.2	16.0	17.2	19.4	21.0	22.1	24.4	26.3	22.3	16.3	09.3	08.0	05.4	05.7	08.2	15.3
17	09.8	12.8	12.8	16.5	12.2	13.7	11.7	10.3	10.6	11.4	11.4	13.6	17.1	19.6	24.0	26.1	17.4	18.1	17.3	12.8	11.0	10.7	11.1	11.6	14.3
18	11.9	13.4	14.8	14.7	14.1	17.4	18.7	15.1	16.3	14.9	15.8	16.8	20.3	22.8	23.8	25.8	23.8	22.3	15.6	12.8	12.1	11.5	11.7	12.0	16.6
19	13.1	14.6	16.7	16.4	16.9	21.4	16.4	14.9	14.4	14.1	14.8	15.9	18.3	20.4	24.6	25.7	23.4	20.8	18.6	14.7	13.4	10.6	09.6	08.7	16.6
20	11.2	13.7	16.2	17.6	19.3	22.5	24.5	21.0	19.3	18.1	19.9	21.1	22.0	23.0	25.3	24.4	24.5	24.1	25.7	22.4	18.1	14.2	10.6	11.7	19.6
21	14.6	15.6	15.4	22.8	24.3	27.0	22.9	16.6	17.1	20.0	17.6	18.1	20.5	21.4	21.5	21.6	21.3	19.1	17.5	16.1	14.4	12.7	12.7	12.2	18.5
22 Q	12.5	13.7	14.2	14.1	15.1	15.2	15.6	15.4	15.6	16.2	17.4	18.3	20.2	21.8	23.1	22.0	20.4	21.3	20.4	16.4	12.8	10.6	11.3	11.4	16.5
23	12.3	13.1	13.3	13.8	13.8	14.5	14.7	14.8	18.7	20.6	15.7	19.0	19.8	24.8	25.9	25.7	24.1	17.6	15.6	12.3	08.7	07.7	09.8	11.6	16.2
24	12.4	14.2	16.5	19.4	16.5	12.8	13.8	14.2	13.3	13.4	14.4	16.0	18.6	19.3	22.5	24.4	23.4	21.4	18.4	15.5	13.4	11.7	11.1	11.3	16.2
25	12.8	13.7	16.5	18.6	14.8	13.8	13.9	14.2	13.6	17.1	19.8	19.8	22.2	23.9	24.9	23.7	22.4	18.2	14.0	09.8	07.8	08.0	09.7	12.3	16.1
26	12.5	13.4	14.9	14.5	14.7	15.1	14.6	15.3	16.5	16.3	16.8	17.7	20.1	22.4	24.3	24.9	24.2	22.2	19.5	15.8	11.2	07.8	10.0	10.5	16.5
27	13.6	16.1	17.8	16.3	16.2	19.6	27.7	17.4	27.6	34.3	19.2	21.6	25.4	29.5	30.8	27.8	22.7	20.4	16.0	12.6	10.7	09.2	10.7	12.0	19.8
28	13.2	13.5	15.7	15.3	14.3	14.3	15.2	13.3	20.5	23.3	16.5	18.4	23.1	27.1	25.2	25.9	23.7	21.9	18.4	14.5	13.8	12.5	13.1	13.1	17.7
29 Q	13.1	14.5	15.5	15.7	16.5	15.3	16.1	15.5	14.3	15.5	14.7	17.7	19.4	21.0	23.0	24.0	23.3	22.0	18.6	15.6	12.4	11.2	11.3	11.6	16.6
30 D	12.6	13.6	14.5	14.5	14.5	14.3	22.8	15.7	13.7	14.9	17.0	16.8	20.5	22.0	22.3	24.0	22.6	14.5	15.1	12.0	10.5	09.7	09.1	09.4	15.7
31																									
Mean	12.1	14.0	14.9	16.1	15.4	16.1	16.4	15.0	16.0	16.8	16.9	18.3	19.9	22.1	24.2	24.8	23.7	21.5	18.7	14.6	11.6	10.1	10.0	10.6	16.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 23 Meanook $Z = 59,000\ \gamma +$ June 1945

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	001	-01	-03	000	002	002	-25	-12	-09	-20	-33	-22	-16	-06	-09	-16	-20	-20	-19	-18	-14	-13	-08	-07	-12
2 Q	-03	-02	-04	-05	-04	-03	-02	-12	-03	-05	-03	-03	-03	-03	-11	-20	-22	-23	-23	-24	-16	-11	-04	-01	-09
3 Q	005	013	019	022	015	022	021	013	012	003	000	004	008	-05	-08	-02	-08	-09	-08	-08	-06	-02	-02	-04	004
4	005	006	004	003	004	006	006	006	005	006	008	009	012	008	006	004	-02	-07	-12	-14	-03	005	012	013	004
5	018	020	018	018	009	-12	013	012	010	001	-23	002	012	009	007	-01	-06	-03	-04	-10	-01	009	020	024	006
6 D	021	025	036	048	033	018	030	025	-102	-114	-240	-165	-49	-72	-63	-50	-29	-09	012	014	036	044	033	042	-20
7 D	060	068	049	059	050	050	-35	-141	-04	014	013	005	-21	006	018	009	002	-06	-11	009	-02	-08	013	028	009
8 D	043	089	084	134	105	-141	-37	-158	-45	009	-45	-23	-11	-04	-01	-05	010	010	017	024	021	033	050	063	009
9	056	036	051	032	029	007	-75	-125	-87	-112	-83	-07	-12	021	016	011	012	009	011	019	029	032	054	066	001
10 D	063	080	089	049	058	-40	-38	-27	033	004	-71	-105	-02	014	017	021	019	022	024	017	022	027	039	039	017
11	033	069	058	044	044	042	-36	-56	-71	-123	-46	-20	001	-20	004	008	008	006	013	024	034	038	038	033	005
12	028	030	030	028	023	022	016	-58	-34	-04	009	017	025	019	014	011	009	007	007	011	019	022	023	029	013
13	032	041	044	042	036	022	010	016	012	004	004	010	-22	-15	001	012	014	014	016	023	028	031	033	034	018
14	041	047	048	047	038	027	026	026	027	026	026	026	026	026	023	021	021	014	014	015	015	023	023	034	028
15	038	042	046	041	030	032	039	027	030	028	024	016	016	022	023	025	025	017	014	014	015	020	025	027	026
16	031	040	038	031	030	030	030	029	030	027	029	031	030	028	020	019	018	017	019	019	020	029	033	041	028
17	050	066	054	053	056	061	055	036	040	039	033	031	021	005	-02	009	019	024	030	022	024	031	039	044	035
18	043	037	041	041	042	055	026	036	032	027	031	039	040	043	041	035	032	023	021	023	030	030	034	039	035
19	042	044	043	034	034	033	032	033	032	033	034	034	033	034	033	032	031	023	022	023	023	032	042	057	034
20	086	108	108	086	078	065	012	-17	-12	022	050	057	035	028	032	013	003	-22	-11	011	038	046	053	053	038
21	055	058	052	047	065	070	058	041	031	025	036	039	043	037	035	023	025	024	027	029	027	029	035	047	040
22 Q	052	049	046	037	037	035	035	036	037	037	037	038	034	027	026	024	015	015	019	027	030	035	033	036	033
23	040	043	046	038	036	037	039	038	027	-65	-07	006	025	013	025	026	029	029	028	026	029	036	039	047	026
24	050	041	050	054	048	043	046	044	038	039	040	042	044	040	039	037	030	026	027	028	034	039	046	052	041
25	058	053	083	068	061	051	047	041	045	008	018	041	042	039	030	028	028	027	023	022	021	024	031	039	039
26	041	042	039	035	031	031	037	036	030	034	036	038	031	033	035	033	030	029	029	029	031	033	039	040	034
27	043	046	054	082	093	082	030	050	-94	-273	-136	-67	-29	-13	002	031	029	027	031	039	042	042	048	043	008
28	042	051	057	052	040	040	036	031	-12	-20	028	032	031	022	030	022	030	031	031	034	038	039	042	053	032
29 Q	046	047	053	056	055	045	043	043	036	028	037	029	026	037	033	035	031	030	030	032	033	038	041	041	039
30 D	041	041	041	041	042	061	052	047	025	022	032	032	037	041	029	023	012	-19	-01	019	030	029	029	049	031
31																									
Mean	039	044	046	044	041	026	016	004	002	-10	-02	006	014	014	018	014	013	010	012	016	021	022	031	037	020

98668—6

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook June 1945

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	13	40	779	21	13	744	35	15	26	26.7	21	40	11.2	15.5	04	08	013	06	16	-41	54
2 Q	23	37	768	22	36	729	39	15	45	25.2	22	25	10.0	15.2	24	00	005	18	55	-26	31
3 Q	03	37	776	18	46	720	56	14	55	25.5	22	30	10.0	15.5	04	40	034	14	34	-16	50
4	13	03	790	18	43	721	69	13	45	23.1	21	10	09.6	13.5	23	55	017	19	15	-16	33
5	14	36	785	19	33	711	74	16	50	27.2	22	00	08.6	18.6	23	28	029	10	36	-46	75
6 D	23	35	808	11	15	139	669	10	46	61.8	08	10	-16.8	78.6	24	00	067	10	45	-357	424
7 D	00	17	819	07	05	537	282	03	41	35.7	07	03	-06.4	42.1	03	05	081	07	38	-216	297
8 D	03	51	878	06	07	245	633	05	08	44.6	06	07	-24.6	69.2	04	00	155	06	02	-418	573
9	23	28	834	09	28	524	310	09	21	37.1	21	48	08.1	29.0	02	26	088	09	34	-181	269
10 D	02	57	857	05	45	586	271	03	47	33.6	05	47	01.9	31.7	02	59	117	05	50	-218	335
11	01	33	818	09	28	644	174	05	53	30.0	07	43	07.5	22.5	01	12	079	09	29	-160	239
12	06	54	776	07	25	723	53	16	44	26.1	22	39	07.5	18.6	02	20	033	07	31	-80	113
13	15	25	774	12	20	669	105	16	27	28.7	12	18	07.1	21.6	02	45	045	12	27	-74	119
14	14	13	775	20	25	719	56	18	00	24.2	21	50	06.8	17.4	03	10	054	17	30	006	48
15	02	04	782	18	17	700	82	16	17	25.4	21	55	05.9	19.5	03	00	055	19	00	011	44
16	11	19	778	18	58	715	63	16	25	27.2	21	30	04.7	22.5	23	38	045	17	37	015	30
17	11	37	783	20	07	720	63	15	07	31.0	04	06	08.1	22.9	01	10	076	14	35	-12	88
18	15	08	784	19	49	721	63	16	00	27.9	21	46	10.5	17.4	05	36	073	06	40	006	67
19	14	24	789	22	34	718	71	15	58	29.6	23	46	08.3	21.3	23	40	063	20	02	011	52
20	20	02	851	15	26	748	103	14	57	26.8	22	18	08.8	18.0	03	15	119	18	47	-30	149
21	03	25	799	07	30	737	62	05	20	28.2	23	09	11.4	16.8	05	48	080	15	40	018	62
22 Q	00	11	777	20	07	731	46	14	25	24.1	21	52	09.9	14.2	00	20	059	17	00	010	49
23	13	56	781	09	46	713	68	09	00	29.9	21	28	07.1	22.8	23	47	048	00	36	-75	123
24	23	20	788	18	47	721	67	15	31	25.2	22	10	09.8	15.4	23	40	058	17	10	024	34
25	02	39	826	19	40	715	111	02	59	27.9	21	19	07.1	20.8	02	56	126	09	52	-10	136
26	01	12	788	19	57	731	57	15	36	25.4	21	25	07.1	18.3	01	15	051	08	15	027	24
27	05	44	834	09	13	423	411	08	54	59.6	21	02	07.5	52.1	03	47	106	09	07	-401	507
28	02	01	796	09	40	695	101	09	00	35.8	21	15	11.6	24.2	02	55	065	09	06	-83	148
29 Q	02	35	778	12	10	741	37	15	02	24.4	21	20	10.2	14.2	04	00	066	11	58	013	53
30 D	24	00	838	23	28	723	115	06	22	29.3	23	23	05.8	23.5	23	46	084	17	24	-30	114
31																					
Mean			800			655	145			30.9			05.8	25.1			066			-78	144
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 1945

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	860	787	980	996	892	806	661	171	406	417	374	363	532	485	719	792	730	692	717	754	765	777	769	798	677
2	799	774	743	749	755	746	749	752	747	751	753	724	716	711	738	735	737	746	752	738	743	725	747	760	745
3	779	772	751	756	777	779	748	751	751	705	733	756	758	754	765	756	746	737	725	722	730	739	748	758	750
4 D	759	759	757	771	774	775	784	780	612	588	704	537	623	729	767	734	758	763	743	741	738	748	750	799	729
5	800	813	767	773	771	755	759	753	612	654	746	750	753	733	758	757	750	746	744	742	741	744	772	823	751
6 D	766	770	769	780	829	832	635	592	523	480	501	773	782	751	726	647	656	729	741	748	744	736	741	752	708
7	738	748	754	755	752	747	759	755	745	745	745	743	720	701	741	744	729	738	736	743	745	755	713	762	742
8	766	768	781	829	764	756	765	704	574	603	667	731	758	752	737	751	744	750	740	730	731	740	742	754	735
9	787	768	754	752	761	753	752	752	747	758	754	753	739	747	752	754	746	746	737	719	723	722	736	743	748
10 Q	756	760	757	752	749	752	749	750	749	751	753	756	757	766	772	767	762	744	727	721	714	724	738	735	748
11	735	754	754	755	758	753	756	748	746	755	758	762	764	768	769	759	754	750	738	727	722	728	742	754	750
12	735	718	710	695	708	735	720	738	745	743	736	749	763	763	752	741	716	730	716	695	708	731	740	759	731
13	758	757	759	755	757	753	755	749	757	759	757	757	759	769	773	765	749	734	718	721	730	743	749	749	751
14	751	752	749	766	752	749	752	753	762	779	787	787	775	774	776	763	763	763	749	740	736	735	738	748	758
15 Q	759	761	758	751	751	755	756	760	762	763	750	752	751	746	749	749	740	741	741	733	721	723	727	738	747
16	753	758	766	753	752	758	756	761	763	772	779	787	781	788	790	803	787	770	758	742	742	741	742	758	765
17 D	763	771	746	739	742	741	748	754	771	778	779	780	788	790	789	773	771	732	720	713	710	727	773	762	754
18	753	758	789	763	756	742	742	717	717	666	703	739	732	742	774	769	753	736	724	728	727	741	752	774	742
19	772	766	759	750	753	758	753	750	753	755	753	728	760	761	763	752	737	724	721	719	721	727	738	750	747
20 Q	751	752	749	750	749	752	754	755	751	757	757	757	755	752	755	757	749	734	723	718	718	728	741	753	747
21	762	759	756	759	762	760	747	747	748	751	752	752	753	744	757	759	752	741	734	732	731	734	734	747	749
22 Q	759	751	757	755	757	755	757	755	757	759	757	762	769	773	766	757	743	734	734	734	731	727	735	741	751
23	759	761	755	751	745	751	751	753	753	752	752	756	753	761	751	747	732	754	750	743	768	782	740	784	754
24	712	751	736	742	743	748	750	742	757	756	757	739	757	767	775	768	754	736	728	722	736	737	735	739	745
25	750	753	736	742	750	750	753	757	758	754	751	751	754	761	765	757	753	751	741	736	729	736	743	743	749
26	751	758	751	755	760	755	750	751	758	751	745	767	762	753	752	737	737	737	735	730	726	736	744	744	748
27 Q	745	747	751	752	753	753	753	755	756	761	764	764	767	768	759	745	753	752	744	736	738	740	739	749	752
28	754	765	776	762	764	770	769	762	744	727	737	751	620	754	776	776	761	748	741	734	736	745	747	766	749
29	768	761	771	752	752	755	756	762	763	763	764	769	776	785	786	783	769	768	760	755	747	762	755	786	765
30 D	797	835	880	878	769	793	799	790	791	731	740	747	694	676	742	744	735	721	740	752	741	744	749	769	765
31	772	787	807	719	738	744	744	743	741	741	744	744	743	743	744	741	737	730	725	729	729	731	737	744	744
Mean	764	764	769	766	761	758	748	728	720	717	731	735	739	744	759	754	745	741	736	732	733	739	744	759	745

98668—61

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 26 Meanook $D = 25° E + \ldots '$ July 1945

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	10.4	14.4	10.4	-1.4	15.7	13.9	00.9	01.3	17.9	14.6	12.8	29.4	43.6	19.7	33.7	25.6	29.8	13.8	10.8	12.8	11.7	09.7	07.4	07.2	15.3
2	05.7	11.1	12.4	13.0	16.8	14.0	15.5	16.9	17.7	15.3	16.2	17.5	25.2	21.3	22.6	23.4	24.8	19.6	16.9	13.6	12.6	12.9	12.1	11.1	16.2
3	12.1	11.7	12.2	13.7	14.1	25.3	22.9	18.4	15.4	13.3	16.4	19.4	19.5	21.9	23.0	23.1	24.0	22.9	21.3	17.9	14.2	12.8	12.9	11.4	17.5
4 D	11.8	13.3	14.9	13.8	11.4	09.9	02.7	32.1	17.6	22.5	17.1	19.6	21.9	27.8	27.1	28.3	24.3	20.9	17.6	14.1	12.7	12.5	11.9	14.0	17.5
5	18.6	13.8	13.6	12.5	18.6	23.6	14.6	15.5	15.7	19.4	17.6	19.0	19.6	19.8	22.9	22.8	21.1	18.0	13.9	09.9	08.9	10.3	10.9	08.7	16.2
6 D	17.6	14.0	11.9	11.4	03.2	00.2	01.2	12.2	23.6	23.0	08.0	19.6	22.5	28.2	31.2	28.1	19.9	16.0	17.7	17.2	15.4	13.6	12.9	14.0	15.9
7	14.8	14.6	15.1	15.8	17.6	14.2	17.7	15.2	13.4	15.0	16.2	18.7	21.6	22.3	23.3	24.7	22.6	20.9	15.7	12.6	12.4	12.0	09.9	07.7	16.4
8	11.8	13.1	12.7	25.1	22.7	13.8	13.0	09.1	10.3	16.0	21.4	20.1	20.5	25.3	25.7	24.7	25.4	23.6	21.7	17.6	13.9	12.7	10.7	12.0	17.6
9	10.9	12.0	12.3	13.5	15.6	16.9	21.7	17.1	16.0	17.3	17.2	17.8	18.4	21.1	23.6	26.6	25.5	22.8	18.8	12.2	08.9	08.0	08.8	08.6	16.3
10 Q	17.2	13.1	14.3	14.6	15.2	14.9	15.0	15.3	16.0	16.8	16.3	18.9	20.5	23.5	24.7	26.8	25.9	24.2	18.5	13.7	08.3	06.8	09.2	11.2	16.7
11	13.1	14.7	16.6	15.8	14.3	14.2	15.0	18.7	17.3	15.9	17.3	19.1	21.4	24.7	27.6	29.3	27.8	23.7	18.7	12.8	08.4	08.2	09.2	10.5	17.3
12	11.5	19.5	19.5	18.7	19.3	22.3	22.3	21.6	21.1	19.2	22.8	21.2	24.8	23.6	25.8	29.6	29.6	24.9	20.0	21.8	22.6	20.9	14.2	10.3	21.1
13	11.4	12.8	13.5	13.4	13.6	17.7	17.0	15.6	23.2	22.0	19.3	22.7	25.8	25.9	27.0	25.2	24.6	22.0	18.1	14.5	13.4	12.2	11.9	12.8	18.2
14	13.5	13.9	14.0	15.3	18.8	24.5	14.9	14.5	15.0	14.5	16.3	19.1	21.5	24.1	25.7	25.0	24.3	21.3	20.0	16.0	13.6	12.4	11.5	11.7	17.6
15 Q	13.6	15.4	16.5	16.3	15.5	15.3	15.5	16.2	16.2	10.6	17.4	18.4	20.1	22.5	24.5	24.3	22.7	18.6	15.6	13.5	11.5	10.4	10.6	12.5	16.4
16	13.6	16.6	15.6	15.6	15.0	14.6	14.4	14.8	15.6	16.5	17.6	19.4	20.6	25.2	27.7	28.0	24.0	24.4	23.1	21.5	14.6	11.9	07.8	08.8	17.8
17 D	11.3	13.8	15.5	15.4	14.4	14.4	15.9	16.5	16.0	16.0	18.9	20.4	22.1	23.6	25.2	23.4	25.9	28.6	16.3	22.2	05.8	03.9	08.8	09.2	16.7
18	13.1	17.6	14.9	12.4	19.2	23.1	18.5	17.6	19.5	07.9	15.5	19.2	20.3	22.2	26.1	28.2	26.0	21.6	16.7	15.9	14.7	14.5	14.4	14.8	18.1
19	14.9	17.1	19.9	20.6	14.7	19.0	15.0	13.9	13.8	14.5	16.5	14.3	13.0	24.4	26.3	26.7	25.9	23.0	18.1	14.1	12.1	10.6	12.5	14.8	17.3
20 Q	12.3	15.2	14.8	15.0	15.9	15.8	16.0	16.2	15.0	16.7	17.2	18.7	20.6	22.4	24.4	25.3	24.5	21.5	17.7	14.5	10.6	18.6	19.7	12.6	17.6
21	14.0	15.4	16.5	15.7	16.3	15.6	16.5	15.8	15.5	16.0	17.9	19.3	20.6	20.7	22.6	25.4	25.0	21.7	18.8	15.0	12.1	11.9	12.1	13.8	17.3
22 Q	14.0	16.2	16.8	16.7	16.5	15.9	16.7	18.4	17.9	17.3	17.9	19.6	21.4	24.7	26.6	28.5	27.1	23.3	19.4	13.9	09.1	07.1	08.6	10.0	17.6
23	12.2	15.8	15.9	14.8	14.9	14.8	15.3	16.2	15.8	16.5	17.4	18.6	20.6	22.7	26.0	29.5	29.4	25.5	24.0	15.7	15.0	10.1	02.3	00.7	17.1
24	08.2	11.3	16.1	16.8	17.2	16.6	18.6	23.3	16.7	16.9	17.2	15.9	21.8	26.9	27.3	26.5	25.0	22.1	17.9	12.5	11.8	10.8	12.3	14.1	17.7
25	15.0	16.1	18.5	17.7	15.1	15.3	15.1	16.5	17.3	23.5	19.7	19.1	20.7	23.8	24.0	24.7	24.1	22.8	21.4	18.6	16.0	15.8	15.2	14.9	18.8
26	13.5	14.8	14.9	14.8	15.3	16.6	18.4	16.9	15.8	18.3	23.4	22.0	24.1	26.7	25.5	22.0	19.7	18.3	17.4	14.0	10.4	10.0	10.2	13.1	17.3
27 Q	14.3	16.7	16.5	16.3	16.0	15.8	16.9	17.8	16.0	16.0	16.0	16.2	16.3	21.9	22.7	24.0	25.4	22.7	20.1	17.3	13.4	12.2	12.5	13.1	17.3
28	13.8	14.2	13.5	13.7	13.7	12.4	13.4	17.8	14.2	28.4	25.2	22.6	24.2	30.0	29.8	29.5	25.9	24.0	18.2	13.1	12.0	10.1	08.9	08.5	18.2
29	09.8	11.9	13.1	12.4	13.4	14.9	15.9	16.4	16.6	18.3	17.3	17.9	21.7	25.6	25.0	22.9	20.4	18.3	15.5	15.8	14.3	16.1	11.3	12.2	16.5
30 D	12.0	09.3	13.8	17.0	12.0	13.6	13.5	15.7	17.9	15.3	18.2	20.0	22.4	18.9	26.5	28.1	28.6	24.2	18.9	15.5	11.7	11.6	13.5	12.3	17.1
31	11.4	13.3	21.0	15.5	17.0	18.9	16.6	15.5	15.9	15.7	16.8	18.4	19.9	21.6	23.0	23.6	24.3	23.9	19.3	16.4	15.1	15.2	15.3	15.8	17.9
Mean	12.8	14.3	15.1	14.9	15.5	16.1	15.1	16.4	16.6	17.1	17.6	19.4	21.8	23.6	25.7	25.9	25.0	21.9	18.3	15.4	12.5	11.8	11.3	11.4	17.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook $Z = 59,000\ \gamma +$ July 1945

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	068	087	141	028	067	052	041	-238	017	147	080	-55	-44	-219	-87	058	031	-06	023	066	074	085	083	101	025
2	145	124	064	061	078	051	046	039	044	045	040	015	-22	-16	004	018	026	026	028	032	041	037	052	063	043
3	084	081	069	055	075	075	039	041	034	-11	-13	030	037	036	040	037	030	032	027	025	029	032	042	044	040
4 D	042	042	042	039	037	046	055	000	040	025	-03	-32	-30	-35	020	023	038	030	030	038	039	048	050	083	028
5	081	181	057	066	066	047	051	040	-91	-209	-40	023	033	013	028	028	025	027	036	033	033	038	043	066	024
6 D	089	048	038	048	070	079	-98	159	124	177	021	038	081	056	038	-16	013	024	034	038	051	051	050	059	053
7	051	057	060	071	061	049	048	037	017	024	028	032	022	001	033	044	033	029	024	032	039	062	058	059	040
8	067	065	066	107	041	074	058	-02	-89	-102	-53	-07	046	045	031	039	037	035	031	034	039	055	068	082	032
9	086	059	054	049	048	041	029	029	020	032	038	038	029	026	033	038	034	038	043	041	038	038	049	050	041
10 Q	054	064	058	054	054	047	045	044	044	046	044	047	041	041	043	040	035	036	030	030	032	031	039	046	044
11	053	050	048	041	043	046	033	006	017	034	040	048	049	047	048	041	040	035	030	026	026	028	029	031	037
12	036	041	055	068	076	082	111	118	119	091	077	078	057	033	033	048	059	075	102	098	077	063	049	055	071
13	054	046	046	045	055	023	024	017	-01	015	026	024	031	028	035	037	032	029	029	026	032	036	044	045	032
14	046	043	036	045	056	050	043	038	036	033	-33	-21	025	046	046	047	045	038	038	035	036	038	045	044	036
15 Q	040	044	042	041	037	038	035	035	035	033	025	022	024	023	024	030	024	022	016	021	023	024	034	037	030
16	046	062	066	064	050	048	046	038	034	038	042	044	031	011	009	005	025	024	022	016	026	036	051	064	037
17 D	080	088	070	047	039	034	033	034	037	036	039	043	043	043	045	037	037	042	038	041	064	089	096	064	051
18	077	083	112	099	076	054	047	017	019	-86	-18	015	005	-04	022	042	046	048	049	051	056	061	060	058	041
19	060	067	077	075	067	066	052	047	040	035	035	003	020	029	035	037	031	029	026	027	037	039	047	049	043
20 Q	046	040	039	039	046	043	038	036	023	037	038	038	036	037	036	034	033	027	025	027	028	035	035	038	036
21	049	048	046	041	044	044	039	035	038	035	038	043	041	028	030	033	032	031	027	031	030	035	038	041	037
22 Q	050	049	045	041	042	041	040	045	039	031	035	039	041	039	035	034	034	031	027	029	033	037	044	042	038
23	040	042	047	045	040	038	038	039	038	036	036	038	038	037	036	035	024	025	022	015	024	034	059	089	038
24	055	025	025	031	034	034	026	014	025	013	012	-08	003	015	034	033	032	024	025	029	038	047	045	042	027
25	043	052	057	053	043	041	041	041	043	020	018	030	039	040	045	045	039	039	039	042	043	051	055	051	042
26	047	049	041	041	042	052	054	043	041	027	006	032	037	025	025	023	028	030	034	034	034	042	049	052	037
27 Q	052	052	044	042	042	042	046	040	038	039	036	041	041	037	031	028	023	029	024	024	030	038	041	042	038
28	042	042	044	042	040	043	051	027	026	-49	-31	010	-90	-21	023	033	030	029	031	029	023	030	037	042	020
29	044	069	063	042	036	036	033	034	031	021	037	037	031	028	034	037	028	022	022	021	024	030	047	091	037
30 D	102	151	168	044	-05	026	053	049	058	014	018	047	004	-11	027	049	049	038	031	031	028	038	065	092	049
31	108	133	073	052	052	039	039	039	037	035	038	042	049	043	049	043	038	033	029	031	038	041	041	048	049
Mean	062	064	061	052	050	048	040	030	030	021	021	025	024	016	029	034	033	031	032	034	038	044	050	057	039

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook July 1945

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	02	1002	07	23	68	934	14	04	56.6	13	29	-17.6	74.2	09	37	314	07	30	-306	620
2	00	28	810	12	17	701	109	13	09	30.0	01	25	-0.5	30.5	01	26	156	12	18	-42	198
3	05	36	801	09	22	680	121	05	15	26.7	07	25	09.3	17.4	05	00	114	10	14	-46	160
4 D	07	10	911	12	12	477	434	07	20	39.1	11	26	07.0	32.1	08	21	108	11	25	-76	184
5	23	24	862	09	05	453	409	04	58	33.1	23	54	03.3	29.8	04	41	095	09	15	-313	408
6 D	05	09	1005	08	55	330	675	08	13	54.6	09	55	-21.2	75.8	09	43	251	06	40	-302	553
7	23	52	797	13	21	676	121	15	48	25.8	23	42	05.2	20.6	03	31	082	13	25	-15	97
8	03	45	912	08	15	525	387	03	46	46.6	07	40	01.4	45.2	03	33	176	08	12	-166	342
9	01	35	781	21	42	715	66	15	57	27.5	21	21	07.2	20.3	00	17	108	13	16	011	97
10 Q	14	47	778	20	20	710	68	15	36	27.7	21	01	05.0	22.7	01	45	066	19	00	023	43
11	22	37	772	20	18	716	56	15	57	29.8	21	07	07.3	22.5	00	30	056	07	10	002	54
12	13	22	780	03	45	681	99	16	07	33.1	23	37	09.5	23.6	08	50	132	13	58	020	112
13	13	24	782	18	45	712	70	14	03	28.6	21	50	11.5	17.1	04	33	064	08	09	-13	77
14	10	18	797	22	24	727	70	05	06	32.7	22	03	11.2	21.5	05	03	070	10	45	-55	125
15 Q	02	17	769	20	25	718	51	16	27	26.1	21	12	09.8	16.3	01	55	063	18	30	013	50
16	15	31	827	21	48	719	108	14	20	32.2	23	00	07.5	24.7	23	47	084	15	03	002	82
17 D	14	18	797	20	09	673	124	17	31	36.5	20	05	-0.2	36.7	22	15	112	16	50	025	87
18	02	45	805	09	56	649	156	05	08	38.0	09	14	03.1	34.9	02	55	158	09	25	-125	283
19	01	18	809	11	27	692	117	15	30	27.3	11	35	09.6	17.7	03	00	085	11	53	-26	111
20 Q	23	02	766	19	58	710	56	15	15	25.6	21	55	08.2	17.4	04	54	060	08	28	011	49
21	15	30	771	20	38	723	48	15	48	25.9	21	44	11.0	14.9	11	32	055	13	34	021	34
22 Q	13	14	778	21	26	722	56	15	36	29.4	21	08	06.4	23.0	01	10	051	08	50	019	32
23	23	17	851	22	45	673	178	16	11	32.8	23	13	-05.6	38.4	23	18	103	19	30	014	89
24	14	16	782	00	02	654	128	16	20	29.8	00	31	06.0	23.8	00	18	067	11	37	-51	118
25	14	15	768	20	20	722	46	16	28	25.9	24	00	13.5	12.4	02	40	060	09	52	-02	62
26	11	33	776	20	10	721	55	14	01	27.9	20	27	09.3	18.6	05	52	063	10	24	-11	74
27 Q	13	22	771	19	18	731	40	16	01	25.8	20	58	12.0	13.8	00	00	056	15	45	012	44
28	23	16	807	12	27	594	213	09	17	40.5	08	55	-01.4	41.9	09	00	083	12	28	-124	207
29	00	47	827	22	22	737	90	13	26	28.0	23	02	08.1	19.9	23	31	096	09	20	015	81
30 D	03	30	1008	12	58	635	373	03	57	61.1	03	24	-01.0	62.1	02	06	189	03	44	-177	366
31	02	10	886	03	10	707	179	02	17	33.8	02	34	09.3	24.5	02	00	173	16	25	027	146
Mean			825			644	181			33.5			04.7	28.8			108			-53	161
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Meanook — H = 12,000 γ + — August 1945

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	751	747	745	750	755	753	745	744	751	751	744	730	737	743	743	743	746	730	721	713	727	751	736	742
2 D	829	894	915	944	829	757	736	740	737	732	736	690	740	741	741	751	729	716	709	713	720	750	754	751	765
3	749	767	745	750	743	745	743	743	749	753	751	750	753	757	751	751	729	711	704	706	725	729	736	750	741
4	752	758	751	744	744	744	748	748	748	745	727	742	754	754	753	743	730	719	713	719	730	741	753	750	742
5	737	750	758	758	759	748	752	754	751	723	737	771	782	782	783	729	712	726	726	714	721	737	743	751	746
6	752	772	773	822	783	745	752	751	731	712	750	751	752	760	759	755	737	718	712	712	711	722	743	758	747
7	752	769	748	746	738	751	752	755	737	728	737	762	767	769	766	744	738	730	723	719	733	754	751	776	748
8	743	746	746	752	751	750	752	751	751	754	758	762	764	766	760	735	719	703	712	719	730	731	751	750	744
9	749	753	753	749	747	746	753	753	752	751	751	752	757	763	759	746	737	722	722	718	718	731	742	747	745
10 Q	754	752	754	751	751	748	751	752	752	754	754	755	759	760	760	752	737	722	719	723	726	729	742	752	746
11	749	740	745	751	753	753	753	753	757	760	761	767	770	774	766	756	749	731	738	736	746	754	742	732	752
12	744	751	748	751	752	758	750	758	740	737	744	754	760	776	759	766	765	754	743	740	737	737	743	751	751
13 D	748	733	748	750	754	748	737	709	602	441	452	580	634	638	705	750	745	743	741	730	731	740	754	762	695
14 D	758	760	758	750	746	746	712	661	678	743	698	678	690	663	682	700	743	738	709	745	767	758	759	768	725
15	752	738	744	752	762	767	762	758	661	692	612	758	750	732	737	746	735	734	735	730	737	735	767	813	738
16	828	761	729	736	736	750	750	747	753	753	754	754	755	753	744	736	732	721	725	726	730	737	747	743	746
17	753	744	746	750	751	751	751	753	753	758	720	737	755	751	751	741	729	726	741	734	732	728	742	745	743
18 Q	744	748	749	749	747	747	752	752	753	753	753	755	752	758	759	752	741	732	724	727	732	728	735	749	745
19 Q	754	752	756	747	746	752	751	746	744	749	749	749	751	752	756	750	736	728	725	725	728	735	751	746	745
20 Q	743	754	751	749	755	751	755	751	755	755	756	759	760	760	759	748	731	713	710	753	726	734	745	749	747
21	752	757	753	759	755	755	759	759	759	763	766	766	760	741	749	750	741	727	720	726	727	733	744	751	749
22	752	749	748	748	748	748	755	758	761	765	771	773	780	780	765	741	687	664	671	702	710	734	749	770	743
23 D	783	804	823	805	774	735	713	710	710	642	642	735	735	751	757	759	738	720	724	713	720	727	738	749	738
24 Q	740	741	745	734	735	733	739	738	751	749	748	749	747	751	751	742	730	720	713	712	725	740	748	751	739
25	752	750	752	748	750	750	736	744	758	756	754	756	758	756	756	748	727	717	717	721	733	742	750	753	745
26	752	755	757	757	752	757	755	755	749	755	756	753	758	768	765	757	739	726	715	710	716	727	745	755	747
27	756	756	756	750	753	755	756	757	758	757	759	762	766	767	763	745	734	728	728	728	735	756	760	788	753
28 D	793	813	964	918	1042	802	723	688	694	705	716	725	732	721	731	698	721	727	717	702	703	741	754	753	762
29	746	756	741	740	735	742	733	721	760	745	766	747	751	748	750	745	731	723	719	724	725	728	739	744	740
30	737	736	742	739	739	742	742	743	743	745	745	750	750	749	749	738	728	722	721	728	736	736	750	744	740
31	748	747	750	745	749	742	748	751	753	753	751	753	753	753	752	750	736	728	724	722	723	739	752	752	745
Mean	756	760	764	764	762	751	746	742	737	732	730	743	752	749	750	744	733	724	720	723	727	737	748	754	744

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 30 Meanook D = 25° E + ... ′ August 1945

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	16.5	16.9	16.9	17.0	16.3	19.1	20.3	16.1	15.8	17.1	16.9	16.8	19.1	21.9	22.6	25.4	24.9	21.0	18.2	11.9	08.0	08.3	07.5	07.5	16.8
2 D	08.5	12.9	11.5	21.5	15.7	15.3	14.6	16.6	16.2	17.4	19.8	12.6	21.2	19.3	36.7	25.1	23.5	20.8	20.3	14.8	13.4	14.1	16.0	15.5	17.6
3	15.2	13.6	16.3	16.3	16.2	14.7	15.0	15.4	16.2	16.4	17.7	18.0	20.0	21.8	22.9	24.0	24.3	22.8	19.0	16.1	14.2	12.5	12.6	14.6	17.3
4	15.6	15.9	16.3	17.0	18.1	16.3	17.3	19.1	21.0	20.8	14.9	18.2	22.6	25.3	25.3	24.3	22.2	18.9	14.7	13.2	13.3	15.1	15.0	14.4	18.1
5	17.2	16.9	15.1	14.0	12.4	18.7	14.1	19.2	14.7	16.3	22.0	22.3	22.9	24.2	26.9	25.0	22.5	16.2	17.4	14.5	13.0	12.3	13.0	14.3	17.7
6	15.2	14.1	12.2	12.4	20.1	16.9	14.5	16.5	14.2	11.5	15.5	17.1	24.2	28.1	30.3	26.7	26.0	23.0	16.5	23.4	10.4	12.3	14.3	15.9	18.0
7	17.3	16.5	16.3	15.9	15.5	15.0	13.2	13.9	13.6	13.5	15.3	18.3	23.1	23.7	26.0	24.2	22.3	19.2	15.1	11.3	08.7	08.9	09.8	10.7	16.1
8	15.8	15.3	15.3	14.4	14.8	15.5	17.0	16.6	16.6	17.3	18.1	17.4	20.7	23.1	25.5	29.8	27.3	23.0	15.1	10.0	07.6	07.2	11.0	13.6	17.0
9	15.4	16.3	19.2	17.4	18.0	16.5	17.4	17.6	18.3	17.3	16.4	18.5	20.7	23.2	25.1	27.6	27.1	24.9	19.8	15.0	10.4	08.6	09.7	11.5	18.0
10 Q	13.3	15.8	16.8	17.6	17.5	18.5	18.4	19.4	17.1	17.4	18.2	19.2	21.4	24.1	26.9	27.8	26.0	24.3	18.3	13.3	10.5	10.3	11.1	11.1	18.1
11	11.3	13.4	15.4	15.4	15.4	16.1	16.4	18.5	18.3	16.8	16.5	18.8	21.6	23.8	23.9	25.1	24.0	19.4	17.2	11.5	11.4	09.9	10.1	12.3	16.8
12	14.5	14.5	18.7	15.6	15.2	15.5	16.4	16.5	17.0	28.0	27.7	24.2	24.3	26.9	26.6	24.2	24.3	24.4	21.2	17.0	15.5	13.3	12.2	11.9	19.4
13 D	13.4	15.3	15.6	15.5	15.1	16.6	27.9	20.9	33.7	35.0	29.9	25.8	26.2	25.8	27.5	28.4	23.9	18.8	15.5	12.5	10.4	10.4	11.5	12.8	20.4
14 D	16.3	18.9	17.4	17.3	33.7	19.3	21.2	28.1	32.8	33.7	25.0	23.6	25.9	34.5	30.6	25.7	22.3	23.1	18.3	12.6	13.5	14.9	14.9	15.6	22.5
15	13.4	15.4	15.4	15.8	16.5	14.2	18.6	16.6	14.1	24.3	10.7	22.5	24.2	23.8	24.1	26.1	25.9	19.2	19.2	15.0	13.9	09.6	09.4	08.9	17.4
16	04.7	09.1	11.3	11.9	14.5	15.5	18.0	16.9	16.9	16.4	17.4	17.7	19.2	21.3	22.9	25.1	24.3	20.4	15.5	12.0	10.8	11.4	12.5	13.4	15.8
17	13.4	14.0	14.5	15.0	17.1	15.4	15.8	16.0	16.1	16.4	12.4	16.3	19.8	23.0	25.8	27.0	24.3	19.2	26.2	13.4	10.0	13.2	13.6	14.3	17.2
18 Q	15.3	15.6	15.4	15.6	16.2	16.3	16.9	16.4	16.6	17.2	18.0	18.3	20.5	23.9	25.9	27.5	27.0	23.5	17.4	11.9	10.0	11.2	13.5	15.1	17.7
19 Q	16.8	17.3	16.4	15.5	15.1	14.6	15.8	16.2	18.6	17.8	18.3	19.4	21.0	23.1	25.5	25.8	23.9	20.0	15.4	11.0	10.0	10.3	10.4	12.5	17.1
20 Q	14.0	14.4	14.8	15.2	15.2	15.8	16.4	16.5	17.3	17.7	18.5	19.4	20.6	22.1	24.2	25.5	25.0	22.3	16.3	10.2	07.6	08.5	10.3	12.4	16.7
21	14.2	14.3	14.4	14.2	16.5	16.5	15.4	16.0	16.3	19.6	21.2	25.1	26.9	27.7	28.8	30.8	30.4	22.8	15.6	10.5	08.8	10.3	12.6	14.9	18.5
22	16.3	17.2	16.6	16.1	15.9	15.3	15.5	18.3	15.6	17.3	19.0	20.5	23.6	26.1	26.0	26.8	22.4	17.8	19.1	02.8	02.6	06.7	08.3	09.6	16.5
23 D	10.3	16.2	16.1	28.7	24.9	17.8	18.6	18.6	21.8	24.5	20.8	21.1	23.1	25.7	29.6	29.9	26.7	22.7	17.1	12.5	11.4	10.4	11.6	14.1	19.8
24 Q	16.1	16.8	16.4	19.4	17.1	15.4	16.6	15.8	15.3	16.1	17.4	18.7	20.9	23.8	25.8	27.0	25.8	22.8	17.1	13.0	11.2	12.1	13.3	15.2	17.9
25	16.1	16.4	16.0	17.2	17.0	15.4	13.0	17.8	15.2	15.4	16.3	17.4	22.4	25.3	27.8	26.7	23.8	19.0	14.7	11.7	10.6	11.3	13.1	14.7	17.3
26	15.4	15.8	15.3	15.4	15.0	16.9	20.3	23.1	17.8	17.2	18.4	19.1	22.4	25.5	26.0	26.9	24.9	21.2	18.1	14.5	10.8	09.6	11.3	13.6	18.1
27	14.2	15.1	14.7	14.6	15.6	15.0	14.8	15.8	17.0	17.2	18.3	19.3	21.1	23.4	23.8	26.8	26.7	19.0	17.1	14.1	08.9	09.7	11.0	09.5	16.8
28 D	09.1	−0.4	02.1	13.9	−5.0	14.9	11.4	13.3	18.0	20.5	21.9	21.7	23.9	26.5	27.5	27.8	24.5	22.6	18.0	16.5	14.1	12.0	12.2	13.9	15.9
29	14.0	14.8	13.7	14.0	15.2	14.9	14.4	17.9	15.8	15.0	15.2	16.9	19.8	23.7	25.5	25.5	23.1	21.9	18.8	16.0	14.7	14.7	14.9	15.2	17.3
30	15.9	15.7	15.6	15.2	15.9	16.3	16.2	17.0	17.7	18.6	18.8	19.0	19.9	21.5	22.4	22.7	22.1	19.0	15.8	13.8	12.1	12.0	12.3	14.0	17.1
31	14.2	15.7	15.5	18.8	15.8	17.6	16.7	17.0	17.5	17.8	17.8	18.4	18.8	21.7	23.5	24.0	23.5	20.9	18.8	14.1	11.4	11.2	12.1	13.1	17.3
Mean	14.2	14.8	15.1	16.2	16.2	16.2	16.7	17.5	17.8	19.0	18.5	19.4	22.0	24.3	26.2	26.3	24.7	21.1	17.6	13.2	10.9	11.0	12.0	13.1	17.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Meanook $Z = 59,000\ \gamma +$ August 1945

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	053	049	047	044	043	041	026	020	029	035	032	018	018	029	041	038	031	030	032	029	029	029	039	054	035
2 D	109	164	117	003	068	077	039	042	034	-03	013	017	017	030	030	051	042	035	047	052	052	058	072	069	051
3	046	067	079	074	063	054	041	037	038	033	037	041	048	044	044	048	046	040	032	030	038	049	059	063	048
4	050	060	052	049	053	049	049	041	031	031	026	036	050	049	048	042	037	041	039	038	038	045	057	063	045
5	045	046	050	051	050	070	068	063	031	-55	-33	010	046	045	046	030	013	021	036	042	046	044	055	053	036
6	049	059	076	041	107	068	066	052	014	-36	012	024	031	032	032	038	042	043	042	042	049	053	058	064	048
7	060	053	046	054	050	053	053	044	-05	-49	-31	024	051	049	044	042	039	033	033	038	043	053	066	071	038
8	067	054	050	052	050	044	042	042	044	043	043	044	044	044	044	042	043	036	031	031	036	041	051	048	044
9	043	057	061	052	049	044	045	018	025	024	034	041	044	045	041	039	038	036	036	038	039	041	042	042	041
10 Q	042	047	043	044	041	044	039	039	040	040	038	040	039	034	034	032	032	029	028	029	032	034	035	050	038
11	051	057	049	043	040	040	040	030	036	032	039	040	041	042	040	039	040	032	029	028	030	032	038	043	039
12	062	062	069	064	054	055	051	043	-11	-66	-58	009	035	041	035	035	037	033	030	030	035	035	032	041	031
13 D	042	043	047	040	040	040	025	005	-58	-76	-12	-152	-82	-59	-25	068	080	040	048	043	047	050	063	071	014
14 D	085	082	075	075	026	041	-19	-98	-179	-130	-50	-98	-48	-93	-80	-60	-08	023	029	058	051	044	050	065	-07
15	062	052	042	041	054	044	035	035	-87	-55	-150	025	033	023	015	010	017	020	023	031	039	044	061	113	022
16	137	116	062	039	037	038	047	040	029	028	031	034	037	038	034	028	031	027	028	025	029	031	037	035	042
17	037	038	038	037	037	040	039	036	036	031	-33	-10	028	030	031	031	033	029	029	031	040	040	039	041	030
18 Q	039	041	037	039	038	033	037	034	032	034	038	037	030	030	036	030	024	025	028	030	027	039	036	041	034
19 Q	040	049	042	038	028	027	032	032	031	037	031	031	034	028	027	027	024	021	019	022	024	027	029	034	031
20 Q	033	032	029	035	033	039	034	033	032	029	027	028	031	029	032	033	034	026	026	023	031	035	038	033	031
21	033	040	037	038	040	040	039	038	040	041	029	038	032	009	003	022	022	024	022	024	026	033	039	041	031
22	039	036	032	031	031	032	039	036	026	037	039	035	034	031	028	025	007	002	010	014	038	055	045	053	031
23 D	090	133	138	071	084	060	032	-14	-12	-97	-97	-10	-14	-04	013	026	033	030	036	040	046	049	049	053	031
24 Q	055	048	050	051	051	035	024	033	029	034	034	034	034	035	034	032	035	035	033	033	034	039	038	041	038
25	038	036	038	037	036	036	-10	-12	031	031	030	009	017	025	033	031	028	028	028	029	032	032	032	031	027
26	031	028	025	025	028	038	031	032	033	014	019	019	019	023	025	027	027	024	018	021	028	029	031	034	026
27	039	035	034	032	029	028	030	030	030	030	031	031	029	030	028	019	019	016	016	020	021	021	022	033	027
28 D	030	056	006	-360	007	048	049	041	047	029	018	026	032	028	039	026	038	042	040	045	050	047	047	043	020
29	042	046	039	051	044	042	042	-53	021	017	005	015	022	029	033	033	033	034	034	034	043	044	045	047	031
30	038	038	038	037	037	036	033	032	029	030	030	029	032	032	032	030	027	023	023	024	027	028	029	029	031
31	031	029	031	035	031	040	036	031	025	027	028	028	031	029	029	029	028	025	023	020	020	024	028	028	029
Mean	052	057	051	034	045	044	037	025	014	004	006	015	026	025	027	030	031	029	030	032	036	040	044	049	033

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook August 1945

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	23	05	805	21	00	702	103	16	02	26.0	23	15	06.1	19.9	23	12	065	07	20	009	56
2 D	03	05	1028	11	20	659	369	04	03	39.1	02	47	01.9	37.2	00	49	211	03	46	-124	335
3	01	23	781	21	00	692	89	16	31	25.9	22	27	11.3	14.6	02	53	094	09	21	017	77
4	01	25	811	18	30	712	99	08	59	26.1	19	47	12.6	13.5	23	26	078	08	37	015	63
5	14	22	800	09	02	666	134	13	27	29.2	08	00	02.9	26.3	05	18	098	09	21	-80	178
6	13	50	851	18	05	700	151	14	51	31.1	03	22	07.6	23.5	04	10	165	09	33	-57	222
7	23	38	790	18	55	707	83	14	11	26.6	21	36	06.6	20.0	23	22	082	10	05	-66	148
8	12	35	773	17	48	695	78	15	34	31.6	21	16	05.4	26.2	00	27	077	17	25	023	54
9	13	22	767	20	40	715	52	16	44	27.9	21	46	08.0	19.9	02	13	065	07	26	010	55
10 Q	23	45	768	17	40	715	53	15	00	28.1	20	57	09.5	18.6	23	51	058	18	18	023	35
11	13	40	776	17	20	728	48	16	30	25.2	21	41	09.2	16.0	01	48	064	08	40	026	38
12	23	18	783	09	55	707	76	10	11	31.0	22	47	10.9	20.1	02	37	079	08	49	-115	194
13 D	23	27	781	10	31	345	436	09	58	46.4	20	43	09.4	37.0	10	08	153	11	04	-189	342
14 D	19	45	776	10	47	621	155	08	52	64.7	10	10	-18.0	82.7	09	51	183	08	55	-292	475
15	23	58	843	10	10	518	325	05	28	28.3	10	09	01.3	27.0	23	56	129	10	12	-286	415
16	00	42	858	17	35	720	138	16	02	26.3	00	30	00.9	25.4	00	27	148	18	53	021	127
17	12	08	765	10	55	698	67	15	43	28.3	20	34	06.6	21.7	20	59	044	10	30	-61	105
18 Q	14	15	765	18	43	715	50	15	25	28.8	20	38	09.7	19.1	23	51	050	17	55	023	27
19 Q	00	50	759	19	45	717	42	14	49	26.5	20	48	09.7	16.8	01	30	053	18	52	017	36
20 Q	12	45	765	18	20	706	59	15	05	25.9	20	08	07.1	18.8	05	43	044	19	23	019	25
21	10	08	776	14	02	710	66	13	26	33.6	20	59	08.6	25.0	11	42	056	14	14	-30	86
22	23	58	797	17	53	640	157	15	48	28.7	20	00	-02.0	30.7	24	00	082	14	56	-09	91
23 D	04	03	897	10	17	555	342	09	48	43.3	21	30	10.1	33.2	02	11	222	10	16	-165	387
24 Q	14	15	757	19	15	708	49	15	09	27.5	20	37	11.0	16.5	03	30	059	05	58	002	57
25	07	45	760	18	40	711	49	14	53	28.6	06	35	04.7	23.9	03	53	047	06	57	-69	116
26	14	00	770	19	45	709	61	15	11	28.0	21	30	08.9	19.1	05	36	055	09	42	-04	59
27	23	35	828	20	00	721	107	16	26	30.7	23	33	06.5	24.2	23	37	056	17	26	007	49
28 D	04	10	1253	08	25	672	581	03	15	35.4	04	10	-29.6	65.0	02	20	191	03	47	-494	685
29	07	45	789	06	58	632	157	06	28	29.5	07	04	-01.5	31.0	06	36	061	07	17	-107	168
30	22	55	762	17	02	714	48	16	14	23.9	21	09	11.6	12.3	00	05	041	17	45	014	27
31	22	55	762	20	20	711	51	14	56	25.0	20	21	10.5	14.5	05	50	043	16	16	016	27
Mean			813			675	138			30.9			05.1	25.8			092			-61	153
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 γ + September 1945

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	745	745	747	747	748	751	753	753	757	759	757	756	755	757	750	740	729	728	738	748	759	773	769	750
2	755	740	758	754	745	745	746	750	747	752	756	753	757	756	747	747	730	715	713	723	742	745	744	746	744
3	746	745	742	747	749	750	750	753	754	753	755	753	750	762	757	742	731	721	723	726	733	743	758	764	746
4 D	764	742	749	742	752	752	749	728	549	721	668	469	652	766	759	737	716	698	701	706	722	735	752	765	712
5	758	752	740	738	749	749	747	762	757	734	745	748	755	750	739	724	727	713	707	715	728	746	751	753	741
6	753	752	749	752	750	763	753	749	746	744	742	756	739	712	747	743	732	723	719	732	745	756	750	746	744
7	750	754	749	753	755	756	753	742	766	762	758	753	750	746	745	748	744	735	732	729	736	742	755	755	749
8	781	751	751	753	752	751	754	754	755	756	757	759	759	760	759	754	739	725	718	718	727	753	750	739	749
9	743	747	753	753	753	750	751	750	750	753	754	753	751	747	747	749	735	720	717	719	726	743	757	742	744
10 Q	747	751	752	753	752	752	753	752	754	753	757	760	764	761	763	751	731	714	707	710	716	733	747	751	745
11	753	756	748	750	752	750	754	754	753	750	753	742	743	754	760	756	734	705	670	680	711	684	699	751	736
12 D	753	788	742	774	758	749	762	735	739	746	711	744	738	687	742	744	727	711	707	713	719	732	741	747	738
13	748	748	748	749	749	747	745	749	746	733	743	759	758	735	737	746	738	716	703	709	715	732	744	745	739
14 Q	749	751	744	752	748	750	748	751	751	752	751	752	753	752	755	748	737	725	720	720	728	741	744	746	744
15 Q	748	752	754	751	749	750	747	743	725	733	750	761	760	759	757	748	735	720	720	729	742	752	759	759	746
16	748	750	744	749	751	747	746	753	754	753	757	759	764	767	762	757	739	734	727	724	729	743	760	776	750
17 D	768	754	787	902	841	496	627	653	402	079	349	627	529	599	563	695	691	711	743	731	730	766	796	768	650
18 D	756	774	768	751	756	761	753	562	530	652	372	380	619	640	597	473	473	610	729	723	726	752	806	796	657
19	830	770	731	731	731	730	735	737	703	685	624	735	756	749	738	741	737	722	717	722	731	734	742	741	732
20	732	743	739	742	759	751	745	733	738	707	582	711	756	755	748	743	739	728	725	732	740	753	757	754	734
21	749	745	745	747	747	747	745	747	750	745	759	754	747	726	694	708	719	718	706	715	728	746	739	760	737
22	743	742	754	752	751	743	742	743	743	747	751	749	747	747	740	736	727	717	707	712	729	743	745	748	740
23 Q	756	741	742	745	746	745	745	748	749	752	754	755	758	756	753	748	738	730	720	722	734	749	763	766	746
24 Q	780	772	766	763	761	761	759	759	758	758	761	763	765	767	763	753	745	730	726	731	738	747	750	753	755
25	755	759	760	763	764	764	761	766	772	775	769	769	771	768	747	747	796	792	771	705	703	699	690	697	753
26	700	711	738	750	732	730	733	735	736	742	754	756	751	768	781	759	737	733	725	727	733	743	751	756	741
27	755	760	760	765	768	760	758	762	760	758	719	563	694	763	762	737	736	735	731	737	749	755	752	744	741
28	746	748	748	748	759	750	754	754	751	748	749	756	756	755	752	745	738	729	715	721	730	737	737	741	744
29	747	750	748	750	755	754	747	760	760	764	764	766	766	761	758	755	743	733	740	744	731	738	739	744	751
30 D	754	757	745	748	750	752	754	598	706	769	719	678	755	756	752	758	739	720	709	705	738	743	752	752	734
31																									
Mean	754	752	750	756	754	742	746	734	722	721	711	718	737	743	739	735	726	720	719	721	730	741	750	752	736

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 34 Meanook — D = 25° E + ... ′ — September 1945

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	15.1	15.0	15.0	15.6	15.9	16.0	17.1	16.2	16.8	17.1	17.3	18.3	18.7	20.6	23.9	25.4	24.4	21.1	19.1	11.0	11.3	10.0	11.4	12.1	17.3
2	13.1	10.7	12.6	12.2	13.6	14.8	12.3	11.4	09.3	07.3	17.2	18.9	19.9	21.6	20.3	21.4	21.3	18.1	16.4	14.1	13.4	12.2	13.1	14.2	15.0
3	15.7	14.8	15.0	15.0	15.1	15.0	15.2	16.0	16.8	18.0	18.2	19.0	19.4	20.9	23.6	23.7	22.2	18.8	13.5	10.2	08.3	09.9	12.1	12.6	16.2
4 D	12.8	15.7	13.0	13.6	12.1	12.7	12.9	32.3	40.5	20.1	24.2	28.1	21.1	27.9	27.3	25.6	22.8	16.4	09.9	09.2	07.8	08.0	11.6	14.1	18.3
5	16.1	16.1	15.8	16.1	16.7	20.6	15.0	15.6	14.3	13.8	14.3	19.7	23.5	26.0	24.4	22.2	18.5	16.4	12.7	11.0	11.0	11.5	13.2	14.7	16.6
6	14.0	12.5	12.9	12.6	15.0	21.5	14.6	14.5	16.1	14.6	13.0	17.5	18.2	16.6	21.2	22.5	20.7	18.6	14.1	10.3	09.0	09.7	11.5	14.5	15.2
7	15.5	13.8	15.8	17.5	15.4	14.5	16.6	09.0	15.8	16.5	16.7	19.0	20.5	21.0	21.6	24.7	23.6	20.6	18.4	12.6	10.9	11.6	13.1	14.7	16.6
8	15.7	15.6	15.6	15.0	15.5	15.7	15.6	15.9	16.3	16.5	16.6	17.1	18.3	20.5	22.3	23.7	24.1	21.4	17.0	14.6	12.6	10.1	10.6	11.7	16.6
9	11.8	13.3	13.5	14.2	13.9	14.7	15.4	14.9	16.4	16.7	16.9	18.1	19.4	21.3	21.9	23.8	24.0	22.3	17.2	13.1	10.2	09.3	11.1	14.1	16.1
10 Q	14.2	14.4	14.6	15.0	15.3	15.4	15.6	16.3	16.5	16.5	16.4	16.0	16.5	19.0	21.8	25.3	25.3	23.8	18.4	11.7	07.9	07.4	09.0	12.7	16.0
11	14.5	13.4	12.6	15.6	14.2	14.8	15.0	15.7	15.6	16.9	15.3	18.7	17.1	22.6	24.5	26.2	28.7	24.5	21.4	05.8	04.1	08.5	09.9	07.6	16.0
12 D	07.5	09.0	14.2	13.7	23.8	17.1	15.1	14.8	16.9	17.4	14.8	16.0	19.0	12.9	17.7	24.2	25.0	22.7	18.0	14.0	11.9	11.5	12.2	13.1	15.9
13	13.2	14.2	14.7	14.9	14.8	15.3	17.4	17.1	16.0	18.3	20.4	19.2	18.8	19.7	20.3	22.6	23.9	25.0	18.8	13.4	10.0	09.6	10.3	11.5	16.6
14 Q	13.5	13.6	16.3	14.7	14.3	15.0	14.5	15.2	15.2	15.4	15.7	16.1	16.6	18.0	19.8	20.6	21.0	19.5	18.5	15.8	11.6	11.2	12.3	13.6	15.8
15 Q	14.3	14.2	13.9	13.8	13.8	14.1	14.7	15.0	14.1	16.6	16.6	15.6	16.4	18.3	20.5	21.5	22.3	21.6	15.9	12.6	12.1	13.2	15.4	15.8	15.9
16	14.0	13.1	12.6	13.1	13.0	13.8	16.4	17.5	17.0	14.9	15.6	14.5	16.6	20.0	21.7	23.9	23.3	19.1	14.9	10.5	09.7	09.8	14.0	11.2	15.4
17 D	09.1	22.9	18.4	20.1	17.9	14.4	17.4	15.9	17.4	-7.5	28.2	42.0	38.1	15.5	29.2	23.8	17.8	12.6	08.1	09.8	08.0	13.2	15.1	16.5	17.7
18 D	14.4	15.9	27.5	19.0	12.9	24.8	16.1	-1.4	-3.6	20.5	20.1	03.2	26.7	21.8	27.5	17.7	-3.0	00.2	06.4	06.4	09.1	11.6	12.8	13.5	13.3
19	14.5	24.9	12.2	14.4	14.6	15.3	18.6	18.2	16.5	23.7	11.9	21.7	20.0	21.5	21.1	20.1	20.0	18.5	13.6	11.5	11.3	11.1	12.4	13.4	16.7
20	14.6	15.8	16.2	17.7	28.8	13.9	14.1	14.1	17.0	16.8	14.6	18.5	21.7	22.6	23.4	23.5	20.2	17.7	13.3	10.6	11.5	12.0	13.8	14.8	17.0
21	15.2	14.7	14.2	14.5	14.3	13.9	14.0	14.3	15.1	14.9	18.7	17.5	21.3	20.6	18.5	16.2	18.7	16.4	14.4	11.0	08.3	07.8	09.2	10.6	14.8
22	08.7	12.4	13.4	20.0	13.8	12.9	13.3	14.3	15.8	15.6	18.1	17.0	17.4	19.0	20.2	21.3	20.8	19.5	14.0	11.0	09.3	10.0	11.8	13.6	15.1
23 Q	13.7	14.0	14.5	14.6	13.9	13.9	14.0	14.6	15.0	16.0	16.2	16.4	17.1	18.3	20.2	21.8	21.3	19.9	16.6	13.2	11.4	11.3	12.8	14.6	15.6
24 Q	15.0	14.1	14.2	14.7	14.6	14.3	15.1	14.9	15.2	16.0	16.0	16.6	17.3	19.4	21.2	21.7	21.7	18.6	14.6	11.8	10.7	10.6	11.4	12.4	15.5
25	12.7	12.8	12.9	12.2	11.3	10.4	11.8	12.7	13.8	14.8	16.7	18.7	18.5	20.0	22.3	21.1	19.9	19.0	17.0	17.9	17.6	16.5	16.0	15.4	15.9
26	12.4	14.9	15.1	17.0	14.9	11.9	10.8	09.6	10.1	10.8	11.8	11.9	18.1	21.1	21.8	22.8	23.4	20.5	16.5	11.5	09.4	09.9	11.0	11.1	14.5
27	12.4	12.4	11.4	15.0	25.0	14.2	13.8	14.2	14.4	15.1	19.1	15.5	21.0	23.4	25.2	22.6	20.9	16.5	13.1	11.4	12.3	11.8	11.8	12.8	16.1
28	12.5	12.8	11.7	14.9	13.9	14.0	14.0	14.7	14.9	16.4	19.5	14.8	16.6	18.5	20.8	22.4	23.3	20.3	16.6	12.7	12.8	13.1	14.3	14.4	15.8
29	14.5	13.9	13.9	17.2	17.2	13.9	13.4	12.6	14.6	16.1	16.6	16.8	17.8	19.5	21.3	21.2	21.0	12.0	08.5	08.5	10.2	12.7	13.5	13.4	15.0
30 D	12.7	11.8	16.4	13.7	13.5	13.4	20.6	14.7	29.4	18.3	18.7	17.5	21.4	24.1	20.8	21.9	24.3	22.4	14.7	08.8	08.6	08.9	08.9	08.1	16.4
31																									
Mean	13.4	14.4	14.7	15.3	15.6	15.1	15.0	14.7	16.0	15.5	17.2	18.0	19.8	20.4	22.2	22.5	21.4	18.8	15.1	11.5	10.4	10.8	12.2	13.1	16.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook $Z = 59,000\ \gamma +$ September 1945

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	026	024	024	024	026	027	027	026	026	024	021	023	026	023	021	019	016	011	013	016	019	023	027	031	023
2	037	042	062	063	050	030	022	-54	-27	016	026	025	025	023	025	010	015	020	020	020	026	030	037	036	024
3	033	039	035	033	029	028	026	033	036	032	025	024	025	029	025	024	022	021	014	021	022	022	024	025	027
4 D	038	041	056	047	038	024	035	-76	-145	016	007	-113	-16	043	034	031	027	025	024	032	043	038	032	035	013
5	047	047	037	031	033	000	-21	009	020	-06	006	012	027	020	013	006	017	023	024	023	033	034	034	031	021
6	030	040	039	053	036	027	027	023	022	-01	000	015	012	-16	009	020	023	024	022	030	036	034	031	026	023
7	026	032	032	033	032	033	029	-42	009	021	014	012	016	021	016	016	019	018	018	018	021	025	023	026	020
8	024	024	025	021	020	018	018	020	021	018	018	018	020	024	025	021	017	010	011	013	017	020	024	018	019
9	023	016	017	017	017	019	020	028	024	020	017	014	014	012	004	004	003	003	001	006	009	012	017	016	014
10 Q	016	018	016	018	015	011	011	009	013	008	009	006	009	015	016	018	015	009	008	009	009	011	015	015	012
11	023	034	033	036	033	026	023	022	017	020	013	-14	-14	009	016	022	019	017	019	014	036	086	084	041	026
12 D	041	120	089	054	077	054	057	001	-11	017	-34	-20	-09	-14	036	034	029	027	029	033	033	034	033	031	031
13	032	028	029	028	029	030	030	029	016	-15	-08	019	019	000	-04	009	013	015	013	021	022	029	032	032	019
14 Q	027	039	039	031	028	027	024	024	025	027	024	024	025	021	024	021	018	011	005	007	008	014	014	015	022
15 Q	018	020	025	024	024	027	027	004	-33	-39	-42	-06	011	020	024	024	024	021	015	015	020	020	021	017	012
16	018	020	021	024	024	024	025	020	012	015	015	014	014	018	020	020	015	017	015	018	017	018	024	041	020
17 D	055	119	143	166	-40	-271	-72	-74	-128	-455	-187	-123	-161	-32	-111	-12	-08	040	051	045	048	085	088	056	-32
18 D	057	067	089	052	050	-10	014	-206	-252	-100	-134	-197	-156	-68	-131	-134	-159	-158	049	033	049	086	106	102	-40
19	120	092	062	037	036	026	030	004	-89	-94	-90	-47	019	014	014	020	020	023	023	034	037	041	050	047	018
20	037	042	042	041	034	037	032	-23	-13	-46	-118	-52	007	021	018	017	015	015	014	017	018	021	021	018	009
21	030	034	033	033	031	031	034	039	037	023	026	024	014	014	-25	-25	-17	011	020	023	033	043	043	049	023
22	049	050	056	060	049	033	033	035	033	023	035	029	028	033	025	029	033	035	035	035	035	036	033	029	036
23 Q	034	035	031	031	030	030	030	030	035	031	031	031	031	034	034	034	031	030	030	027	028	030	034	035	032
24 Q	037	053	045	037	036	033	029	030	027	027	026	023	023	020	020	024	020	020	019	023	026	026	026	024	028
25	031	031	028	026	032	035	034	028	031	028	025	026	025	026	022	025	022	028	011	-02	018	026	026	028	025
26	031	029	037	045	041	037	029	029	041	018	010	014	018	015	015	031	025	028	024	021	021	021	024	025	026
27	031	033	039	067	046	047	040	036	033	026	-30	-224	-169	003	030	030	027	027	027	018	026	027	033	033	011
28	043	040	050	076	079	052	042	042	033	015	-03	015	034	034	034	030	034	030	020	021	026	036	040	040	036
29	040	039	037	043	030	032	046	029	037	037	039	039	039	037	037	033	045	050	050	039	052	053	053	050	041
30 D	048	055	085	065	048	052	054	-172	-122	035	007	-59	012	038	052	048	048	042	044	047	059	064	082	081	030
31																									
Mean	037	043	045	044	034	019	025	-03	-09	-09	-08	-15	-01	015	011	015	014	016	022	023	028	035	038	035	019

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook — September 1945

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	22	40	787	19	04	717	70	15	40	27.1	21	12	09.1	18.0	23	48	037	18	48	007	30
2	07	05	787	08	03	697	90	06	48	32.9	02	13	08.3	24.6	02	44	082	08	03	-94	176
3	22	13	775	17	09	712	63	14	44	24.2	20	14	06.9	17.3	08	18	044	18	00	012	32
4 D	07	27	882	11	20	415	467	15	23	52.5	20	43	06.4	46.1	07	00	075	08	20	-259	334
5	07	26	776	18	09	700	76	13	33	27.0	06	46	06.3	20.7	01	29	059	06	46	-34	93
6	05	34	777	13	36	696	81	05	37	25.9	10	23	05.9	20.0	03	38	059	09	45	-49	108
7	08	30	780	07	47	723	57	16	10	25.5	07	28	04.7	20.8	06	12	045	07	46	-87	132
8	21	27	770	19	00	712	58	16	19	24.6	21	58	07.7	16.9	14	37	029	17	34	007	22
9	22	38	771	16	52	706	65	17	00	26.8	21	02	08.3	18.5	07	37	037	18	03	-03	40
10 Q	12	57	771	18	42	695	76	16	30	29.1	21	30	06.6	22.5	22	27	023	11	27	001	22
11	21	23	794	19	00	645	149	16	34	31.2	20	15	01.5	29.7	21	52	124	11	30	-34	158
12 D	03	52	885	13	17	639	246	04	10	30.8	01	07	01.7	29.1	01	53	160	10	42	-90	250
13	12	00	774	18	52	672	102	17	15	29.3	21	09	08.3	21.0	22	33	048	09	45	-40	88
14 Q	07	25	773	18	40	713	60	16	10	23.1	20	46	10.3	12.8	02	14	045	18	26	004	41
15 Q	11	26	776	08	37	708	68	17	05	23.0	20	18	11.3	11.7	07	29	031	08	46	-71	102
16	23	03	813	20	11	710	103	16	27	26.3	20	04	08.2	18.1	23	03	061	07	59	-25	86
17 D	03	55	1000	09	03	-318	1318	11	53	70.8	09	10	+67.3	138.1	03	03	224	09	10	-1043	1267
18 D	02	30	847	09	36	008	839	10	35	44.6	08	06	+43.7	88.3	02	30	193	08	03	-462	655
19	00	47	1130	10	37	580	550	01	02	62.7	10	16	02.4	60.3	00	37	212	08	40	-162	374
20	04	56	774	10	39	465	309	04	05	39.5	10	47	07.4	32.1	03	57	060	10	34	-232	292
21	23	46	794	14	37	662	132	12	55	23.0	22	15	06.7	16.3	23	47	071	15	40	-52	123
22	02	48	770	18	33	703	67	03	31	25.9	20	21	08.8	17.1	03	28	075	09	20	016	59
23 Q	23	23	767	18	17	716	51	16	00	22.4	21	22	10.9	11.5	15	52	040	18	24	024	16
24 Q	00	40	789	17	51	720	69	16	10	22.9	21	42	10.3	12.6	01	16	057	18	30	013	44
25	17	18	814	21	40	681	133	15	10	30.5	05	31	10.3	20.2	05	26	044	19	14	-22	66
26	14	52	792	00	55	693	99	16	08	25.7	21	35	07.8	17.9	04	17	047	10	36	002	45
27	04	27	791	11	13	487	304	04	33	32.3	10	52	-5.9	38.2	03	41	116	11	34	-295	411
28	04	08	776	18	37	698	78	16	45	24.4	04	31	11.6	12.8	04	09	103	10	05	-14	117
29	23	06	777	18	13	729	48	16	00	25.1	19	30	06.2	18.9	23	08	067	07	07	018	49
30 D	07	00	802	07	40	364	438	07	25	30.6	07	40	+19.3	49.9	02	41	100	07	40	-335	435
31																					
Mean			811			602	209			31.3			01.9	29.4			079			-110	189
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 1945

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	762	759	757	752	752	750	747	749	749	747	744	749	747	750	748	743	740	726	716	711	717	715	729	747	742
2	752	754	754	752	754	756	755	755	752	741	745	754	752	752	735	742	740	726	731	733	734	741	743	748	746
3 Q	749	749	749	753	753	752	750	756	756	756	756	754	749	751	759	750	743	742	742	740	740	743	749	748	750
4 Q	749	751	756	756	754	755	755	758	760	762	762	762	762	762	763	761	753	743	733	732	738	746	757	764	754
5	749	750	756	754	752	751	757	762	755	750	743	754	750	719	749	750	727	710	711	710	733	736	750	754	743
6	753	758	758	757	756	756	754	755	756	756	754	759	760	757	750	743	741	735	723	722	729	737	743	747	748
7	755	754	757	754	753	752	754	756	758	758	758	759	762	763	763	758	747	732	723	729	743	744	762	747	752
8	736	737	743	745	749	752	758	778	768	756	751	705	654	725	725	721	748	723	715	709	721	731	747	754	735
9	758	760	756	754	747	733	725	710	735	712	743	763	760	756	755	756	749	734	721	715	724	737	742	748	741
10 Q	752	752	758	760	759	759	757	758	758	759	760	756	756	760	760	755	743	733	725	724	729	737	746	752	750
11 Q	752	758	760	762	760	760	760	762	762	763	763	763	763	763	762	756	749	737	729	731	737	745	756	763	755
12 D	764	765	768	770	770	770	801	793	781	780	694	375	636	511	542	739	742	690	694	704	723	741	745	762	711
13	764	767	750	746	741	735	726	654	523	705	750	718	732	758	743	735	728	728	724	724	730	739	739	742	725
14	745	746	751	748	747	747	715	729	748	756	754	748	740	735	758	758	742	726	723	723	725	731	736	733	740
15	740	746	748	750	751	748	750	737	745	742	715	736	760	769	761	752	740	742	735	735	737	745	743	738	744
16 D	748	752	754	754	755	781	773	744	765	726	724	734	637	654	727	732	728	720	710	733	745	757	762	759	736
17	757	755	755	755	755	755	746	705	693	644	666	728	749	757	765	754	727	740	748	732	745	752	760	755	737
18	747	753	759	759	759	755	754	762	757	757	715	696	754	725	737	765	756	740	726	728	739	752	752	751	746
19	758	758	758	758	759	758	756	752	756	754	747	733	717	762	764	760	744	740	746	743	740	747	756	775	752
20	787																								
21	754	754	756	758	758	759	758	760	760	762	759	762	765	762	760	751	741	736	735	739	745	751	741	747	753
22	754	761	765	764	764	765	765	765	765	765	758	747	752	744	729	731	747	735	731	743	751	755	758	748	753
23	754	758	762	758	759	759	758	758	758	758	762	765	766	766	765	756	747	734	743	740	747	756	758	758	756
24 D	761	773	778	802	782	777	781	781	629	597	302	196	533	819	778	788	769	738	693	660	750	802	778	812	703
25 D	884	1013	1073	1253	1030	785	733	709	641	212	276	366	413	522	672	683	685	660	722	714	735	738	747	751	709
26 Q	749	752	759	763	763	756	756	752	750	750	751	752	752	755	755	755	749	738	735	733	737	741	745	745	750
27	745	748	752	754	752	760	758	757	754	747	748	754	756	751	736	727	746	741	731	733	739	760	773	890	755
28 D	919	1005	931	828	667	780	746	740	729	734	709	644	730	725	715	732	724	716	712	727	732	716	723	750	756
29	741	755	754	761	761	751	750	750	750	745	747	750	750	745	743	743	738	733	731	729	739	731	743	743	745
30	751	746	749	751	752	753	753	756	753	749	746	734	713	689	747	757	742	730	730	726	730	738	742	747	741
31	749	753	753	752	753	753	753	753	753	757	757	759	761	760	761	757	749	738	730	731	739	746	744	749	750
Mean	762	771	773	776	762	757	753	749	737	723	712	699	721	732	741	747	741	729	726	725	736	744	749	758	743

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 38 Meanook — D = 25° E + ... ′ — October 1945

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	07.2	11.7	11.7	13.9	13.7	13.9	15.3	15.5	15.9	16.1	15.6	16.5	15.4	17.7	20.0	20.5	18.3	16.6	13.7	11.0	10.8	09.1	10.8	12.1	14.3
2	13.1	13.9	14.3	14.7	14.6	12.9	13.7	14.5	18.0	19.4	27.0	22.3	17.5	19.8	21.2	21.4	21.4	20.0	16.3	14.9	14.0	14.2	14.6	14.3	17.0
3 Q	13.9	13.7	13.9	14.1	14.0	13.9	14.6	15.5	13.8	14.8	15.7	16.5	16.6	17.4	20.2	21.4	19.4	17.0	14.9	13.3	12.8	12.9	13.4	13.9	15.3
4 Q	13.8	13.7	13.8	13.7	13.7	13.8	13.8	14.5	14.8	15.2	15.7	16.4	17.2	18.5	20.2	22.5	21.9	19.8	15.9	12.8	11.1	11.0	11.2	11.4	15.3
5	11.9	11.9	11.5	12.4	08.9	13.5	14.6	20.2	16.2	16.2	21.4	24.1	21.9	19.6	28.8	28.3	24.6	19.6	06.4	01.2	05.9	07.5	12.5	13.7	15.5
6	13.4	13.0	13.4	13.1	13.6	13.8	14.5	14.7	15.4	16.6	15.4	16.5	17.5	19.3	21.3	21.1	19.3	18.5	15.6	12.5	11.4	10.8	11.4	11.7	15.2
7	12.1	13.5	14.2	14.6	14.3	14.3	14.5	14.8	15.1	14.9	15.4	15.7	16.3	17.5	19.7	21.7	21.9	20.6	17.0	15.3	13.5	11.9	08.8	07.0	15.2
8	08.6	12.8	15.2	15.4	15.8	15.2	14.8	11.7	15.2	16.4	15.0	15.1	19.7	24.9	25.2	21.6	18.8	20.9	18.7	15.4	12.6	11.6	11.8	12.9	16.1
9	14.0	14.8	14.7	14.5	14.5	19.9	19.6	29.2	23.3	24.4	24.6	16.6	17.1	18.8	20.5	21.5	22.4	20.3	16.6	13.3	11.8	12.1	13.1	14.0	18.0
10 Q	14.0	14.0	14.3	14.4	14.5	14.5	14.4	14.7	14.8	15.3	15.3	16.4	16.8	18.7	22.3	23.3	22.3	19.4	15.3	12.9	12.5	12.1	12.6	13.9	15.8
11 Q	13.8	13.6	13.9	14.1	14.6	14.6	14.5	14.7	14.7	15.0	15.4	15.7	15.9	17.6	19.6	21.6	22.1	20.3	16.9	13.9	12.6	12.1	11.7	11.1	15.4
12 D	11.1	12.3	13.0	13.1	13.1	13.2	16.2	26.3	10.9	11.8	19.4	04.6	25.3	16.8	09.9	16.6	20.7	11.3	14.4	09.9	11.0	11.1	11.6	20.9	14.4
13	13.1	11.0	19.1	14.2	14.7	12.6	18.1	12.6	-5.3	13.1	17.9	14.7	15.1	16.8	18.9	18.6	16.8	15.6	14.7	12.6	11.7	11.1	11.4	13.8	13.9
14	11.7	13.5	13.8	13.8	14.4	13.9	15.8	11.9	18.6	17.0	15.4	15.8	18.5	13.8	19.4	21.5	21.2	18.4	13.0	10.8	11.0	11.2	11.0	10.6	14.8
15	11.9	12.9	14.2	14.2	14.2	17.4	13.5	11.1	14.0	15.2	14.0	13.0	19.9	17.4	20.0	18.4	13.8	09.9	11.6	11.7	11.9	11.7	13.2	13.9	14.1
16 D	13.3	12.9	13.6	14.2	12.0	16.2	15.7	22.8	14.5	21.0	26.2	27.2	21.1	13.8	10.6	14.2	11.5	09.9	05.0	09.1	11.1	14.0	15.0	16.1	15.0
17	15.7	15.3	14.8	14.7	14.2	13.5	16.3	14.2	16.4	21.3	07.0	17.3	21.1	23.1	21.1	18.2	13.5	08.9	12.3	10.9	12.4	13.5	13.7	14.2	15.2
18	15.4	14.3	13.7	18.1	16.3	16.4	23.0	16.4	14.6	15.2	11.7	14.3	22.1	17.5	14.7	19.6	19.6	16.9	12.8	08.8	10.8	10.7	12.4	13.5	15.4
19	16.5	15.1	14.6	14.5	14.6	14.4	14.7	16.2	17.0	17.0	18.6	18.5	14.8	21.2	21.2	19.3	17.6	12.5	10.8	11.7	12.1	12.2	11.5	09.7	15.3
20	07.7																								
21	13.7	13.7	14.0	14.0	13.8	13.8	14.1	15.2	15.3	15.7	15.9	15.8	15.9	16.7	19.2	21.5	19.6	16.9	13.8	11.8	10.9	09.9	11.3	12.8	14.8
22	12.7	13.2	13.6	13.9	14.1	14.0	14.5	14.2	14.9	15.2	16.2	16.9	20.0	20.9	14.1	17.8	17.0	09.3	13.2	12.1	11.0	11.2	08.4	12.7	14.2
23	13.9	13.7	13.3	14.6	14.8	14.6	14.6	14.6	14.2	14.7	15.7	15.6	15.7	16.9	18.5	21.2	22.0	19.1	15.5	12.2	11.6	11.2	11.6	13.1	15.1
24 D	13.4	12.5	08.4	16.6	24.3	15.8	15.6	06.8	06.9	29.5	29.5	62.7	39.7	19.5	25.5	23.6	21.1	22.7	16.6	05.0	07.3	07.8	09.5	16.1	19.0
25 D	12.9	13.9	19.2	14.6	22.4	17.5	16.1	17.6	19.5	08.7	39.8	14.4	40.9	39.6	26.7	23.8	20.7	12.6	09.1	07.9	07.7	10.1	10.3	11.0	18.2
26 Q	12.0	12.2	13.1	14.8	15.5	14.8	15.0	14.8	14.4	14.4	15.1	15.4	15.3	16.1	17.7	19.7	19.3	17.2	15.3	14.6	13.8	14.3	14.5	14.1	15.1
27	13.7	13.7	14.2	14.3	15.0	16.1	14.0	15.4	15.6	15.3	16.3	14.6	17.0	17.2	17.1	11.4	13.5	13.7	12.7	11.2	12.2	10.8	05.7	10.8	13.8
28 D	08.3	16.6	14.1	23.3	18.3	16.2	13.9	14.9	15.8	17.0	17.1	11.5	19.8	21.6	17.5	18.3	22.7	15.9	16.0	13.0	12.2	06.5	08.3	12.5	15.5
29	14.3	13.5	13.4	17.4	16.5	12.9	14.7	14.9	15.7	16.8	17.8	16.1	18.1	18.7	18.3	18.5	19.3	18.7	16.3	14.5	13.2	13.1	11.5	12.1	15.7
30	09.7	09.6	13.1	13.1	14.2	14.5	14.9	14.6	15.3	15.7	15.9	15.6	14.2	07.6	14.3	17.9	20.8	19.5	16.5	12.5	12.2	12.2	12.2	12.4	14.1
31	12.2	12.7	11.6	13.4	14.6	14.5	14.5	14.8	14.9	15.3	15.5	15.2	15.1	15.8	16.8	16.9	19.3	19.2	16.1	13.7	12.7	12.1	12.7	12.8	14.6
Mean	12.7	13.3	13.9	14.7	15.0	14.8	15.3	15.6	14.7	16.5	18.0	17.7	19.4	18.7	19.4	20.1	19.4	16.7	14.1	11.7	11.5	11.3	11.6	13.0	15.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Meanook $Z = 59,000\ \gamma +$ October 1945

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	099	115	095	068	057	055	056	053	054	049	032	041	047	051	051	049	046	049	049	056	060	058	053	056	058
2	059	060	060	059	056	054	058	059	052	043	018	054	058	050	041	050	049	054	054	054	056	056	056	057	053
3 Q	058	061	061	062	058	060	067	058	061	061	060	054	049	048	054	054	052	055	055	056	056	058	058	056	057
4 Q	059	061	061	062	061	060	061	061	060	060	059	059	058	060	060	057	054	053	057	058	059	062	057	064	059
5	065	070	072	080	090	079	077	060	078	064	029	041	056	021	035	050	051	056	061	062	076	066	074	068	062
6	074	076	071	069	069	071	071	069	068	068	068	065	071	072	069	076	066	069	071	071	076	079	087	081	072
7	082	081	078	075	072	071	072	072	075	075	074	072	071	074	074	075	076	075	076	075	076	084	140	116	080
8	097	085	080	077	078	085	096	101	096	086	074	040	-44	-03	033	029	029	056	070	071	073	080	076	081	064
9	077	074	074	075	082	082	069	-09	021	000	027	064	076	075	074	075	075	071	064	069	076	082	083	081	064
10 Q	079	079	079	079	078	078	078	077	078	076	077	073	071	074	076	075	076	074	075	076	078	083	084	082	077
11 Q	080	081	081	081	080	079	080	080	080	080	080	078	078	078	081	081	080	077	078	080	082	085	086	081	080
12 D	082	080	080	080	081	089	120	122	104	093	033	-142	-110	-47	-31	061	066	075	104	102	117	120	116	116	063
13	116	118	108	106	099	026	071	-11	-162	026	071	061	081	092	093	090	092	092	090	092	095	102	103	123	074
14	123	109	106	099	099	093	046	024	054	075	084	080	065	067	063	077	077	092	095	095	097	106	112	119	086
15	114	116	111	109	115	108	097	063	067	075	051	062	067	092	088	077	072	075	084	093	097	101	104	101	089
16 D	099	100	100	100	105	078	054	069	059	-16	027	037	032	-24	-51	-14	035	115	078	087	091	097	099	107	061
17	101	098	096	095	092	099	106	056	023	010	-88	-45	036	045	055	058	063	071	084	090	099	097	102	102	064
18	107	105	110	115	114	116	070	091	091	089	044	-07	057	060	060	079	084	084	087	090	090	098	101	103	085
19	106	104	102	099	095	093	099	101	084	085	074	043	003	051	070	080	081	079	080	091	095	117	138	139	088
20	170	170	150																						
21	105	102	096	098	099	099	100	100	096	094	094	091	094	095	094	100	101	102	100	101	104	105	106	103	099
22	103	102	102	099	100	101	102	104	103	102	095	056	055	035	-05	000	039	058	078	092	104	106	106	101	081
23	107	108	109	105	105	105	105	107	102	102	102	103	105	102	104	104	103	102	101	103	103	108	109	100	104
24 D	108	108	130	178	156	143	126	081	-108	-103	119	-151	-185	140	119	106	112	103	097	105	167	160	161	159	085
25 D	174	126	038	111	188	174	136	112	081	-59	-133	-227	-231	-142	012	066	082	067	096	112	104	104	112	117	051
26 Q	117	126	131	138	133	123	113	111	110	110	111	110	111	114	122	122	116	109	109	114	119	118	117	112	117
27	113	114	114	112	111	111	109	100	100	090	091	098	104	104	103	095	093	093	096	111	125	141	176	205	113
28 D	186	003	121	029	056	161	147	140	127	127	088	018	086	093	094	096	114	118	126	145	147	135	119	135	109
29	135	133	146	154	143	128	125	122	121	104	097	109	109	112	120	121	120	122	122	128	130	139	151	138	126
30	134	129	125	125	125	129	126	124	122	113	107	099	072	078	121	123	125	127	133	130	128	133	130	122	120
31	124	127	127	124	123	122	122	121	119	118	116	115	118	118	120	119	119	120	121	121	123	125	124	123	121
Mean	103	095	095	095	097	096	092	081	067	063	059	038	042	060	067	074	078	083	086	091	097	100	105	105	082

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook — October 1945

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	01	50	779	21	12	707	72	15	18	21.2	00	04	04.2	17.0	01	27	123	10	31	019	104
2	08	38	768	14	34	717	51	10	35	32.2	05	33	12.0	20.2	08	11	073	10	24	-02	75
3 Q	14	16	762	20	29	735	27	15	24	22.0	07	01	11.9	10.1	06	58	070	12	37	039	31
4 Q	23	26	771	19	27	723	48	15	41	23.3	21	18	10.0	13.3	21	13	069	18	30	049	20
5	10	08	792	13	45	689	103	07	12	32.0	19	31	-0.9	32.9	04	27	100	10	30	-13	113
6	01	22	772	18	43	711	61	14	58	21.5	21	03	09.8	11.7	21	45	092	08	59	061	31
7	22	12	792	18	49	713	79	17	05	22.6	22	27	04.1	18.5	22	14	174	12	37	066	108
8	07	34	834	12	27	612	222	13	43	26.6	00	02	03.2	23.4	08	09	145	12	19	-82	227
9	11	26	770	07	35	678	92	07	32	33.2	20	17	10.9	22.3	05	29	098	07	35	-65	163
10 Q	14	18	768	19	00	723	45	14	58	24.7	22	07	11.8	12.9	22	12	086	12	34	065	21
11 Q	12	37	770	18	36	724	46	16	30	23.2	23	55	10.1	13.1	22	12	091	18	18	075	16
12 D	06	50	872	11	12	310	562	12	13	52.2	11	10	-37.3	89.5	06	55	170	11	10	-312	482
13	00	22	788	08	16	240	548	02	21	36.1	08	17	-24.2	60.3	23	50	145	08	20	-387	532
14	15	02	774	06	29	655	119	06	47	31.9	06	20	06.8	25.1	00	03	135	06	55	-13	148
15	12	55	782	10	57	664	118	06	05	24.1	07	06	05.0	19.1	05	02	125	11	04	006	119
16 D	08	34	851	12	32	565	286	05	27	31.8	06	11	-8.6	40.4	08	33	132	14	03	-84	216
17	14	35	779	09	58	505	274	09	16	28.7	10	20	00.1	28.6	06	35	115	10	15	-169	284
18	06	09	803	11	16	650	153	06	26	30.4	10	46	06.0	24.4	03	42	130	11	10	-48	178
19	23	59	799	12	20	700	99	14	34	22.4	24	00	06.9	15.5	23	19	147	12	39	-31	178
20																					
21	12	14	773	19	17	729	44	15	40	22.8	21	18	09.4	13.4	21	00	110	10	30	086	24
22	21	58	775	14	54	712	63	13	37	22.7	17	38	05.9	16.8	22	00	117	14	33	-29	146
23	23	43	789	17	33	720	69	16	10	23.8	22	22	08.5	15.3	22	17	116	17	15	096	20
24 D	23	24	870	11	22	-20	890	11	28	147.1	08	12	-12.8	159.9	23	47	232	12	12	-564	796
25 D	03	32	1360	09	25	-06	1366	13	00	79.1	09	39	-04.1	83.2	09	12	249	11	55	-360	609
26 Q	04	12	771	19	00	728	43	15	45	20.7	00	52	09.8	10.9	04	24	141	17	15	102	39
27	23	51	957	15	07	707	250	23	58	21.4	22	51	00.7	20.7	23	59	247	11	16	081	166
28 D	01	54	1054	04	05	424	630	03	45	62.2	03	47	-29.9	92.1	05	51	218	03	59	-176	394
29	01	30	774	19	03	704	70	16	21	22.5	23	57	09.5	13.0	03	33	176	10	16	068	108
30	14	53	770	13	14	667	103	16	19	22.6	13	50	02.4	20.2	01	07	138	12	22	052	86
31	14	47	769	19	14	722	47	17	21	22.1	02	24	10.1	12.0	02	10	133	14	22	113	20
Mean			823			604	219			33.6			01.7	31.9			137			-45	182
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 41 Meanook $H = 12,000\ \gamma +$ November 1945

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	766	766	760	751	746	745	746	745	746	751	755	753	755	755	751	740	738	731	731	729	735	740	740	738	746
2 Q	751	755	755	759	757	757	757	760	760	760	762	761	759	760	763	760	754	748	739	732	736	739	743	748	753
3	749	753	757	757	756	757	755	758	757	758	760	761	761	759	758	759	754	749	744	743	746	749	748	747	754
4	751	757	756	758	764	764	764	762	766	765	767	768	767	776	768	759	764	751	741	739	741	742	753	755	758
5	763	776	850	773	758	759	752	749	742	742	681	704	753	759	748	758	757	743	736	738	743	748	756	757	752
6 Q	763	763	765	765	765	763	758	757	751	757	760	765	764	761	759	758	757	748	742	743	745	749	752	757	757
7	756	762	764	765	764	763	765	763	764	765	765	764	767	766	767	765	757	743	739	740	743	748	757	760	759
8	761	765	767	767	769	764	766	765	766	767	770	772	775	777	771	770	755	731	727	724	738	760	759	744	760
9 D	756	759	812	770	761	770	724	601	440	042	348	430	769	805	759	724	684	692	712	724	738	738	762	763	670
10	765	777	760	758	749	739	653	706	710	691	709	758	748	762	760	757	754	744	739	737	740	742	742	749	740
11 D	754	755	734	730	745	740	638	638	706	666	642	623	624	681	743	737	755	746	729	730	746	755	758	766	714
12 D	745	747	775	775	764	761	761	754	742	558	638	776	768	764	762	755	753	747	742	721	723	742	754	751	741
13	757	764	771	767	768	771	764	690	697	763	762	753	745	732	732	753	729	733	743	740	737	737	748	744	746
14	763	766	763	764	768	776	754	761	728	724	708	730	763	764	771	772	762	739	742	753	747	750	757	759	754
15	759	759	759	766	769	770	731	716	758	752	739	731	759	777	781	780	770	748	731	753	758	759	763	766	756
16 D	762	766	769	771	778	776	776	766	746	723	720	674	709	759	777	768	761	734	725	741	748	755	752	771	751
17	759	773	773	769	766	767	766	759	746	727	761	709	716	774	769	766	762	759	751	752	753	759	760	765	757
18	764	764	765	761	758	760	764	763	765	761	750	757	764	769	764	764	761	757	746	748	757	758	757	760	760
19	764	767	767	767	765	764	764	765	764	767	767	766	764	760	772	771	760	753	750	748	749	753	757	758	762
20	758	766	768	764	758	769	772	765	763	759	761	758	762	767	769	765	761	749	739	740	747	756	760	761	760
21	764	767	771	772	771	767	764	761	761	764	767	767	772	774	757	757	753	756	756	753	757	758	758	757	763
22	760	764	764	767	771	769	767	764	764	764	763	764	766	764	764	759	757	750	749	750	752	757	758	760	761
23	763	766	768	768	766	763	761	759	763	763	758	763	763	767	765	763	757	745	738	745	748	752	754	758	759
24 Q	755	759	762	762	758	753	751	753	755	744	755	761	762	762	762	762	755	747	741	739	743	743	744	748	753
25	754	758	762	762	761	761	756	757	756	756	761	762	763	761	758	762	761	758	751	747	737	742	747	751	756
26 Q	758	759	762	758	760	758	758	757	757	757	756	758	756	755	758	760	755	747	746	744	747	747	748	753	755
27	763	764	766	768	764	763	766	763	763	763	763	763	764	764	762	763	757	749	748	747	752	760	762	760	761
28	760	764	763	763	761	765	768	765	766	763	763	764	766	763	763	760	754	749	751	749	755	759	752	749	760
29 D	758	762	767	770	769	765	776	755	681	669	746	757	756	748	737	751	755	744	737	730	714	738	746	758	745
30	743	747	754	755	757	754	754	754	749	741	752	756	754	757	755	757	753	750	747	747	746	744	746	750	751
31																									
Mean	758	762	768	763	762	762	752	744	738	716	730	738	754	761	761	759	754	745	740	741	744	749	753	755	750

98668—7½

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 42 Meanook D = 25° E + ... ′ November 1945

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	12.0	11.8	13.3	13.5	13.6	14.9	14.4	12.5	15.0	15.2	15.0	15.3	15.7	16.0	16.5	17.7	18.3	17.5	14.0	12.7	12.0	12.2	12.7	12.2	14.3
2 Q	11.1	11.0	13.1	13.5	13.9	14.3	14.1	13.9	14.5	14.8	14.9	15.6	15.4	16.6	16.9	18.3	20.1	17.7	16.6	14.3	13.7	13.7	13.1	13.3	14.8
3	14.0	14.0	14.0	14.0	13.6	14.5	17.2	13.7	13.7	14.4	14.7	15.2	16.5	16.5	17.1	18.5	18.6	17.4	14.0	12.3	12.0	12.8	13.4	13.2	14.8
4	13.2	13.2	13.1	14.0	13.8	13.8	13.8	13.8	14.0	14.0	14.2	14.7	15.4	17.3	19.0	17.6	19.6	18.8	16.3	13.7	11.1	11.3	08.6	10.1	14.4
5	04.0	03.6	09.5	10.1	13.8	14.3	13.3	14.9	14.2	15.0	14.0	13.6	16.7	15.6	17.0	18.1	19.8	17.8	16.2	14.0	12.8	12.6	13.1	13.4	13.6
6 Q	14.0	14.2	14.2	14.2	14.2	14.0	13.9	14.2	14.0	13.0	14.1	14.8	14.7	15.2	15.7	17.0	17.3	17.5	15.4	13.4	12.6	12.3	12.6	13.0	14.4
7	13.3	13.5	14.1	14.2	14.3	15.1	15.5	13.3	13.3	13.3	14.0	14.0	14.5	15.3	15.9	17.0	17.9	17.1	14.9	12.3	11.3	11.3	12.0	12.3	14.2
8	13.1	13.7	14.0	14.5	14.5	14.5	13.8	13.6	13.3	13.1	13.5	13.8	15.7	16.3	16.3	16.7	18.8	19.4	14.0	06.1	08.1	03.8	06.0	06.0	13.0
9 D	06.0	07.8	17.9	17.1	14.4	24.9	69.1	21.5	23.8	35.0	16.7	37.2	25.7	19.9	17.1	14.1	09.3	04.6	08.2	09.5	12.3	09.9	10.1	10.4	18.4
10	17.0	13.4	25.8	25.8	18.6	22.0	18.1	23.9	19.0	17.2	19.1	15.9	16.5	15.5	17.0	18.2	19.8	20.4	18.2	15.4	14.4	13.2	12.3	14.0	17.9
11 D	14.0	13.0	20.9	24.2	20.1	18.1	18.9	22.7	18.6	26.7	26.1	25.7	06.4	16.4	15.9	10.6	12.5	14.9	11.1	08.4	09.4	11.2	11.9	11.8	16.2
12 D	12.4	23.9	18.0	18.4	17.0	28.7	18.6	18.9	11.4	15.1	04.8	13.1	15.7	16.0	15.2	14.7	15.3	15.5	15.2	13.3	08.9	09.4	09.9	12.1	15.1
13	13.9	17.2	15.2	14.2	20.0	14.4	14.1	08.8	06.5	15.3	13.4	16.0	14.3	12.3	11.3	13.2	11.8	12.8	13.2	13.1	10.9	10.4	10.4	11.8	13.1
14	13.8	13.8	14.9	15.2	16.3	15.5	13.3	14.7	06.2	09.7	14.2	19.3	22.3	21.5	20.7	18.8	16.7	16.9	07.4	07.7	07.4	10.6	10.5	11.1	14.1
15	13.0	12.4	13.3	14.6	15.8	16.9	09.7	12.5	12.8	12.3	14.2	10.6	12.8	16.1	14.9	19.9	21.0	21.2	11.8	07.3	08.9	10.7	11.8	12.7	13.6
16 D	12.3	12.5	12.8	13.1	12.5	12.6	12.9	14.2	17.3	16.3	18.6	15.3	16.0	19.8	15.3	18.4	18.8	16.7	07.3	08.2	09.4	09.9	10.4	15.7	14.0
17	12.0	17.0	14.4	13.1	13.3	13.5	18.3	17.2	16.7	17.8	18.6	20.2	11.1	15.7	16.7	17.3	17.0	15.7	14.3	13.3	12.3	12.3	12.0	12.0	15.1
18	12.1	13.3	13.9	13.6	13.8	15.3	12.1	11.6	13.6	14.4	12.8	13.1	16.3	15.4	15.7	17.0	17.8	15.7	13.5	12.0	11.4	12.8	12.8	12.8	13.9
19	13.2	13.5	13.6	13.6	13.6	13.6	13.3	13.2	13.2	13.3	13.6	13.3	15.7	15.9	17.6	18.0	17.7	15.3	13.5	12.3	12.4	12.3	11.8	13.0	14.0
20	13.7	13.8	14.1	14.1	19.2	16.2	13.1	12.0	13.3	12.8	13.7	14.7	16.5	16.5	16.4	17.1	17.6	17.1	15.1	13.4	12.3	10.9	11.3	12.2	14.5
21	12.5	13.3	13.8	14.0	13.8	13.8	13.8	14.2	12.0	12.2	12.8	14.0	14.1	14.6	15.5	17.1	18.3	16.3	13.3	11.8	11.8	11.8	11.1	11.2	13.6
22	11.8	11.5	12.5	15.1	13.8	14.5	14.0	13.1	12.9	13.1	13.8	14.4	14.5	14.6	14.9	16.7	17.8	16.4	14.4	13.3	12.5	11.8	11.8	12.0	13.8
23	12.5	13.0	13.6	13.8	13.8	13.4	13.3	14.0	12.5	13.0	13.8	14.7	14.4	15.7	16.0	17.1	17.1	14.6	10.1	08.2	09.9	10.2	11.8	12.7	13.3
24 Q	13.4	13.8	14.0	14.0	14.1	14.4	12.7	13.7	13.2	10.7	10.8	14.1	15.9	14.9	16.1	17.0	17.3	16.1	15.1	13.9	13.2	13.0	12.7	12.3	14.0
25	12.7	12.9	13.2	13.2	13.5	13.5	13.4	13.9	14.1	11.9	13.4	13.9	13.9	13.5	13.1	16.9	14.4	13.7	11.6	11.0	10.1	10.4	11.7	11.1	13.0
26 Q	12.8	13.3	13.4	13.9	14.1	14.6	13.7	13.7	12.9	13.0	13.3	14.5	14.5	14.0	15.3	17.6	17.5	16.4	15.4	13.9	12.6	11.9	11.0	11.1	13.9
27	12.4	13.4	13.5	13.5	13.3	14.1	11.0	12.7	12.9	13.2	13.7	14.0	14.3	14.9	15.1	16.2	16.3	15.7	13.9	12.1	11.4	10.0	10.8	10.9	13.3
28	11.0	11.6	11.5	12.7	13.7	13.0	11.9	12.1	12.7	12.9	13.1	13.5	13.7	13.9	14.4	14.9	15.1	14.2	12.7	11.2	10.2	10.0	10.3	11.2	12.6
29 D	10.5	11.1	11.0	11.7	13.9	13.5	10.8	13.5	14.6	10.3	20.7	20.7	19.4	16.1	13.9	16.4	17.8	15.9	13.6	12.2	06.5	06.9	10.8	11.2	13.5
30	12.2	13.7	13.9	14.1	14.4	13.9	14.4	13.7	13.7	11.5	12.6	14.5	16.3	15.0	15.5	16.3	16.8	16.2	14.1	13.6	13.7	12.9	13.1	12.8	14.1
31																									
Mean	12.3	13.1	14.4	14.7	14.8	15.5	15.9	14.5	13.9	14.7	14.6	16.0	15.5	15.9	15.9	16.8	17.1	16.2	13.5	11.8	11.2	11.1	11.4	12.0	14.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Meanook $Z = 59,000\ \gamma +$ November 1945

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	123	123	122	119	120	122	120	123	122	121	119	116	115	114	113	119	120	116	116	119	121	120	118	116	119
2 Q	119	125	121	120	121	117	116	116	113	114	112	112	110	110	113	116	114	109	110	117	120	121	121	116	116
3	122	121	119	116	117	119	126	122	122	118	117	116	113	114	117	118	118	115	119	119	122	121	122	119	119
4	122	123	125	123	118	117	116	116	115	115	115	114	114	113	112	110	110	109	110	112	115	117	120	124	116
5	140	166	228	213	176	148	131	123	116	104	051	017	079	111	111	123	120	121	124	127	127	127	125	124	126
6 Q	122	124	121	122	120	120	120	118	118	106	119	120	120	119	120	126	128	125	118	119	124	126	126	126	121
7	123	124	123	121	119	119	117	118	119	119	119	119	119	120	121	122	123	123	123	123	126	127	124	124	121
8	118	123	122	122	121	120	119	118	119	118	118	119	116	117	117	115	121	122	131	139	161	188	166	163	129
9 D	180	202	227	204	161	170	-42	-185	049	-106	-218	-163	063	136	129	121	116	140	136	150	170	157	156	165	088
10	193	177	177	155	159	094	-23	055	069	044	064	127	132	145	139	145	139	139	139	140	145	144	142	145	124
11 D	148	149	146	152	151	121	034	-50	021	-22	-37	-58	010	019	058	093	112	127	134	140	139	136	133	147	083
12 D	176	184	190	193	178	096	082	114	105	003	008	128	138	132	135	132	140	138	141	149	175	163	162	152	134
13	161	172	156	151	165	064	118	051	027	097	134	131	124	113	118	127	129	132	145	151	161	156	157	158	129
14	168	166	163	165	163	161	149	131	077	075	045	071	112	117	121	126	127	126	126	131	139	139	142	145	129
15	149	156	160	173	191	183	078	063	125	115	121	107	121	137	137	139	136	133	121	128	140	143	151	154	136
16 D	156	156	158	158	164	164	161	156	120	077	080	052	045	061	142	145	145	143	146	163	156	157	173	199	137
17	179	192	161	158	167	168	162	152	125	097	110	099	114	136	147	152	152	153	153	153	153	152	151	150	147
18	152	154	153	152	155	161	154	151	150	151	137	134	143	147	151	151	151	150	150	151	152	153	151	149	150
19	151	149	148	149	148	148	149	149	149	149	148	148	143	140	148	150	147	148	148	149	151	151	151	151	148
20	150	153	153	152	155	153	153	150	150	147	146	142	147	152	153	154	154	151	152	155	154	153	152	151	151
21	152	154	154	153	151	152	152	154	143	145	152	151	152	151	152	154	155	154	152	145	148	152	153	153	151
22	155	165	173	173	166	162	158	155	154	153	152	152	152	151	152	154	151	148	147	149	154	153	154	154	156
23	155	156	154	154	153	156	159	159	148	159	154	156	154	148	152	158	154	152	152	150	149	150	154	156	154
24 Q	159	160	159	158	160	163	164	158	165	159	158	152	152	150	150	154	155	155	156	158	158	160	160	160	158
25	160	161	159	157	156	155	155	155	153	142	152	155	156	152	147	146	144	143	146	150	153	153	159	159	153
26 Q	157	159	158	156	157	159	164	159	156	157	155	153	155	149	151	151	152	157	158	159	158	157	157	157	156
27	158	159	160	158	154	162	168	163	160	160	159	158	152	151	153	157	157	154	154	160	160	154	153	151	157
28	152	151	151	152	156	162	159	158	152	151	151	151	150	149	150	151	151	150	149	151	152	151	151	154	152
29 D	161	163	166	176	169	184	193	122	075	-31	056	133	147	145	132	146	151	148	150	151	152	164	158	168	141
30	175	167	168	172	164	161	160	158	152	124	132	145	155	156	155	159	160	159	160	160	162	164	163	162	158
31																									
Mean	151	154	156	154	152	143	126	114	119	102	101	109	123	128	133	137	138	138	139	142	147	147	147	148	135

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook — November 1945

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	11	20	770	17	35	714	56	16	27	19.6	07	02	10.6	09.0	07	37	135	17	59	111	24
2 Q	14	20	763	19	25	728	35	16	27	20.6	01	48	10.2	10.4	01	44	127	12	29	107	20
3	11	55	763	19	30	741	22	16	00	19.8	20	07	11.7	08.1	06	20	133	12	38	110	23
4	13	16	783	21	10	732	51	16	35	23.0	22	26	07.5	15.5	23	47	131	13	10	102	29
5	02	20	948	10	54	633	315	02	23	25.0	02	50	-2.1	27.1	02	24	292	11	38	-13	305
6 Q	04	32	766	18	50	738	28	17	16	19.4	09	06	10.1	09.3	16	20	132	09	08	098	34
7	06	53	773	18	52	732	41	16	40	19.4	21	22	10.4	09.0	21	42	130	07	02	110	20
8	13	01	784	18	48	707	77	17	45	22.1	21	25	01.2	20.9	21	31	205	15	34	107	98
9 D	06	16	916	09	17	-359	1275	06	27	77.1	10	11	-40.9	118.0	02	32	254	10	00	-879	1133
10	01	29	795	06	25	575	220	03	02	54.6	06	18	-12.0	66.6	00	41	215	06	18	-121	336
11 D	23	08	779	06	50	544	235	07	04	40.4	07	27	-18.6	59.0	04	50	174	07	17	-175	349
12 D	05	37	848	09	42	451	397	05	37	61.8	05	58	-12.4	74.2	03	33	205	09	37	-124	329
13	05	01	865	07	41	577	288	05	03	40.1	07	37	-12.1	52.2	05	04	194	07	40	024	170
14	14	05	785	10	17	690	95	13	00	23.7	08	26	00.4	23.3	01	06	174	10	44	023	151
15	14	27	791	07	02	449	342	07	19	24.9	06	57	-31.2	56.1	04	35	197	07	00	-148	345
16 D	14	12	797	11	18	629	168	13	40	23.6	18	31	04.1	19.5	23	08	226	11	47	023	203
17	01	11	793	12	05	614	179	06	51	29.2	12	24	07.8	21.4	01	18	218	09	41	061	157
18	12	15	772	10	48	739	33	05	14	24.8	20	19	10.9	13.9	05	12	170	11	03	107	63
19	02	17	772	19	25	739	33	15	20	19.4	22	38	11.2	08.2	21	40	158	13	47	135	23
20	05	15	781	18	44	734	47	05	00	27.9	22	12	10.4	17.5	04	50	164	12	07	135	29
21	11	46	778	20	38	739	39	16	21	19.6	08	31	09.0	10.6	16	06	157	08	53	131	26
22	03	55	778	19	25	745	33	16	31	19.2	02	33	10.2	09.0	02	52	182	18	08	144	38
23	01	58	773	18	46	731	42	07	12	17.9	19	09	07.2	10.7	07	50	167	08	10	130	37
24 Q	14	20	765	09	49	723	42	16	23	17.9	09	54	03.8	14.1	06	01	170	10	17	109	61
25	02	58	765	20	33	727	38	15	58	18.0	09	07	08.1	09.9	22	55	166	09	15	126	40
26 Q	02	45	766	19	15	739	27	15	07	19.4	23	00	10.0	09.4	06	17	166	14	00	145	21
27	03	30	770	18	20	744	26	15	48	16.9	21	59	08.0	08.9	06	03	174	22	18	149	25
28	05	15	771	22	45	745	26	16	11	16.0	22	33	09.3	06.7	05	47	168	22	11	147	21
29 D	06	22	801	08	30	591	210	11	38	21.7	06	31	-3.0	24.7	06	37	215	09	36	-56	271
30	13	00	760	09	15	735	25	12	30	17.7	09	20	08.6	09.1	03	27	179	09	36	106	73
31																					
Mean			792			644	148			26.7			01.6	25.1			179			031	148
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 1945

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	752	754	752	749	748	753	754	758	756	756	758	760	760	757	758	756	756	752	743	741	743	746	753	755	753
2	756	760	761	758	756	757	760	764	760	760	760	759	765	760	763	762	756	749	742	736	742	745	745	735	755
3 Q	746	756	760	760	759	758	756	753	756	757	754	753	758	760	759	757	752	745	740	737	741	745	749	749	752
4 Q	753	756	757	755	754	753	751	753	753	754	756	757	759	756	756	753	751	746	745	745	746	749	751	756	753
5	755	750	759	757	754	752	755	755	752	753	752	752	759	762	763	764	763	759	753	748	736	740	742	744	753
6	744	755	755	753	748	744	739	745	722	744	732	722	675	641	701	736	752	745	734	741	734	735	745	751	733
7	732	745	760	756	761	753	752	724	652	759	759	752	758	756	755	753	752	749	745	748	752	755	751	739	747
8	748	760	757	748	744	796	743	753	738	742	722	713	730	717	715	749	756	747	732	737	742	748	753	755	744
9	740	746	750	765	760	762	754	729	631	718	730	732	753	738	754	739	740	747	743	742	742	746	748	746	740
10	752	760	757	751	753	757	767	752	746	745	718	730	761	767	758	761	761	742	739	742	743	753	754	756	751
11 Q	749	752	753	749	750	751	749	747	733	750	748	752	755	747	755	755	750	742	737	738	741	742	747	751	748
12	750	752	755	750	748	754	753	749	748	744	736	737	730	750	755	759	752	743	744	744	746	744	748	748	747
13	751	755	751	754	752	755	755	755	750	751	751	754	751	730	768	775	758	730	715	701	730	741	764	902	754
14 D	935	1085	1085	1147	986	888	728	547	496	514	543	584	631	616	548	795	792	752	733	730	732	732	736	738	753
15	750	746	743	741	739	737	707	718	711	718	722	728	718	728	737	731	726	735	733	733	733	731	716	733	730
16	744	742	751	753	747	744	742	741	738	739	738	738	742	744	742	745	743	742	742	753	757	760	753	758	746
17	734	798	752	729	737	741	724	727	649	565	697	709	687	666	664	709	739	740	741	735	732	724	734	736	715
18	737	745	747	744	742	738	741	741	733	742	741	743	742	730	734	743	739	736	731	728	729	735	737	739	738
19	740	742	745	745	744	743	743	739	722	739	738	738	740	742	743	745	727	734	731	741	745	751	742	724	739
20 D	759	762	786	755	743	739	793	740	746	747	746	734	732	735	736	707	710	708	710	699	674	696	733	769	736
21	772	810	878	839	818	767	807	684	643	652	632	649	687	692	703	711	726	735	733	735	744	747	748	747	736
22 Q	747	748	751	749	749	748	747	745	746	746	746	746	746	746	745	740	736	736	736	739	742	748	750	748	745
23	752	765	760	754	752	749	748	748	745	745	748	743	743	743	741	739	717	732	739	726	722	759	749	749	744
24	747	758	759	757	754	758	751	743	746	744	733	666	666	684	736	754	754	743	736	733	743	750	755	754	738
25 D	749	750	750	749	746	744	745	746	744	724	711	648	729	732	764	747	671	623	667	725	736	747	744	746	727
26 D	740	782	776	765	761	666	761	756	724	549	580	548	603	705	751	745	728	730	723	719	729	733	745	742	711
27 D	750	744	749	753	760	750	748	736	668	727	707	657	361	643	764	747	743	730	672	673	725	736	739	743	709
28	739	740	742	761	781	766	757	747	640	722	662	655	717	624	531	624	743	746	736	725	725	731	722	738	711
29	739	745	750	750	726	761	751	706	725	725	661	677	718	736	750	758	745	746	737	736	740	729	735	740	733
30	741	747	742	740	752	746	739	734	734	677	661	711	752	744	748	747	747	738	732	726	736	741	740	741	734
31	740	739	745	734	729	733	740	714	739	739	724	731	754	748	763	765	759	752	745	744	752	761	763	765	745
Mean	753	766	769	767	760	754	750	734	714	718	715	712	716	723	731	744	743	737	732	732	737	742	745	752	739

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 46 Meanook — D = 25° E + ... ′ — December 1945

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	13.7	14.1	14.4	14.8	14.1	14.1	13.2	12.4	12.6	13.2	13.4	13.7	13.9	14.1	14.3	14.3	15.4	14.8	13.5	12.7	12.1	12.2	12.4	12.4	13.6
2	12.8	13.4	13.7	14.1	15.0	14.6	13.5	12.4	12.5	13.2	13.6	13.7	14.6	14.4	14.1	15.6	16.2	16.0	14.4	12.4	11.1	10.8	10.9	09.8	13.4
3 Q	12.0	12.6	13.2	13.9	13.9	13.7	13.7	13.5	13.8	13.6	14.1	14.3	14.6	14.7	14.4	15.8	16.8	16.9	14;4	12.7	11.3	11.0	11.7	11.6	13.7
4 Q	12.0	13.2	13.5	13.9	13.9	13.9	13.8	13.7	13.7	13.2	13.2	13.5	13.7	14.3	14.6	15.0	15.2	14.6	13.7	12.7	11.7	11.8	12.4	12.7	13.5
5	13.3	13.8	14.1	14.3	14.1	13.6	14.0	12.9	13.7	13.8	14.2	14.6	15.7	15.4	15.8	15.9	16.6	16.2	15.4	13.7	10.7	08.1	09.3	11.2	13.8
6	12.4	15.1	15.3	15.0	13.4	13.9	13.7	19.2	10.1	14.8	11.1	14.2	19.7	16.3	12.9	10.6	13.3	09.6	06.9	09.4	08.5	10.8	10.3	12.1	12.9
7	12.1	13.3	13.1	16.2	14.0	13.1	15.1	15.7	07.7	14.0	12.4	14.2	14.0	14.0	14.4	15.4	15.9	14.4	13.6	12.1	11.5	11.1	11.5	10.3	13.3
8	09.1	10.9	14.4	15.1	17.5	25.8	19.1	17.0	11.1	12.5	12.8	12.3	12.8	18.1	14.8	14.0	16.4	14.1	10.0	08.1	08.7	10.9	11.9	12.4	13.7
9	11.5	13.3	14.7	16.5	16.2	15.4	13.8	14.7	04.2	11.8	14.4	18.8	16.5	12.8	13.0	14.4	13.8	13.0	10.9	09.6	10.7	10.9	12.3	13.2	13.2
10	13.2	13.8	13.8	14.9	15.5	19.9	15.2	14.0	14.0	13.1	11.1	12.8	15.7	16.5	15.2	16.5	16.2	13.8	13.2	11.3	10.9	11.1	12.2	12.8	14.0
11 Q	13.6	13.9	14.0	14.4	14.2	14.1	14.2	14.2	13.7	12.7	13.3	13.7	15.1	12.8	14.7	17.1	17.2	14.7	13.6	12.0	10.9	10.9	11.8	12.8	13.7
12	13.3	13.8	14.0	14.0	14.2	14.2	12.6	12.8	12.8	13.3	14.0	15.3	13.2	13.9	15.2	16.7	15.9	14.4	13.0	11.5	11.1	11.0	11.8	11.9	13.5
13	13.2	13.4	13.7	14.1	14.1	14.1	12.2	14.7	12.9	13.3	13.1	13.1	13.2	09.7	14.8	20.2	19.3	19.9	17.9	11.0	08.8	11.4	16.6	14.1	14.1
14 D	12.8	32.3	20.1	-20.2	-16.7	17.3	20.8	-5.2	25.9	-44.4	13.2	42.0	21.2	21.2	13.7	20.5	20.2	15.7	13.1	12.9	13.3	13.8	13.9	12.5	12.1
15	13.2	12.7	13.2	13.4	13.7	13.0	13.4	16.0	15.5	15.5	13.4	16.0	12.5	15.0	15.2	15.2	14.8	13.2	10.7	10.0	10.2	10.9	11.2	13.7	13.4
16	13.8	15.8	14.3	14.5	14.1	14.0	13.2	14.0	14.0	14.1	14.1	14.1	14.0	14.1	14.2	15.2	15.9	14.5	13.8	13.8	12.0	12.9	13.0	11.4	14.0
17	10.2	26.8	15.0	17.6	18.7	20.4	16.0	16.3	08.3	04.4	11.5	17.0	20.2	10.7	03.6	08.7	13.0	16.6	10.4	10.4	11.2	12.9	12.5	12.6	13.5
18	13.3	14.0	14.3	15.1	15.1	14.4	13.3	12.3	10.9	12.7	14.3	14.9	15.1	13.1	13.1	17.2	15.1	12.0	10.6	10.6	11.1	12.0	13.0	13.7	13.4
19	14.1	14.4	14.0	14.0	14.1	13.9	14.7	12.0	14.7	17.0	14.5	15.5	15.5	17.0	16.1	17.2	13.8	16.5	11.6	07.4	06.8	08.2	08.2	01.2	13.0
20 D	07.4	07.8	12.7	13.1	13.9	14.3	-0.7	08.7	14.3	14.5	23.9	23.2	24.3	21.7	26.1	25.9	19.3	14.1	09.8	08.1	-2.3	-1.7	04.0	11.9	13.1
21	13.2	08.7	15.9	30.7	20.5	23.4	16.5	13.0	20.8	19.9	21.3	23.2	21.2	23.5	23.7	21.8	19.1	16.7	14.8	13.0	12.1	11.4	11.4	12.0	17.8
22 Q	13.6	14.1	13.6	14.3	14.3	14.0	13.0	13.3	13.4	13.9	14.4	14.5	14.7	14.8	15.3	16.5	17.1	15.8	13.4	12.1	10.7	10.9	11.5	11.7	13.8
23	12.4	13.5	14.0	14.0	14.3	14.0	13.5	13.1	13.3	14.0	14.6	14.9	15.4	15.1	15.1	15.8	17.6	14.0	11.9	11.5	07.3	00.9	08.8	15.6	13.1
24	13.1	13.7	14.9	16.1	14.9	13.7	12.7	12.2	13.1	13.6	13.7	13.9	18.3	11.8	14.0	12.5	16.9	15.9	13.5	11.0	11.3	11.4	11.6	12.8	13.6
25 D	13.9	14.3	15.0	15.2	15.0	14.2	13.4	12.9	13.4	11.9	17.9	15.5	25.7	18.4	16.7	13.6	04.3	02.3	04.4	05.5	09.7	08.8	08.6	10.7	12.6
26 D	11.3	15.2	18.9	21.4	16.2	07.8	19.9	15.4	15.2	09.4	02.4	38.7	08.8	15.2	12.8	15.8	12.9	12.6	11.5	11.9	13.4	12.1	13.0	13.6	14.4
27 D	13.4	16.7	20.8	19.5	16.5	22.1	13.2	13.3	09.0	09.9	15.0	16.0	14.8	05.7	14.3	16.1	16.5	15.2	12.1	10.2	09.7	07.8	09.3	12.6	13.7
28	13.5	16.1	17.4	16.7	17.4	17.1	17.9	12.3	07.8	13.8	17.9	12.9	20.4	18.5	01.0	-13.1	15.9	16.5	14.3	12.1	11.4	11.1	13.6	12.1	13.1
29	13.6	14.6	14.7	14.9	30.8	15.6	15.7	08.1	10.5	14.3	09.3	08.1	10.0	14.9	13.2	15.6	15.6	16.4	14.9	14.2	13.4	12.1	12.4	13.3	14.0
30	17.6	14.6	14.7	11.7	15.8	16.7	16.7	15.2	12.6	09.4	09.0	10.7	15.9	14.6	13.1	14.5	15.9	15.2	14.0	10.8	12.0	12.3	13.2	14.0	13.8
31	14.2	14.4	14.7	15.2	19.7	18.3	14.7	09.2	14.6	14.6	14.9	15.3	15.7	14.6	10.2	14.4	16.0	15.1	14.4	12.1	10.7	10.5	10.9	12.3	14.0
Mean	12.8	14.7	14.8	14.5	14.8	15.6	14.3	12.9	12.9	11.3	13.7	16.5	16.0	15.1	14.2	15.0	15.7	14.5	12.6	11.2	10.4	10.3	11.5	12.1	13.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook $Z = 59,000\ \gamma +$ December 1945

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	160	162	163	163	162	161	160	158	156	154	153	152	151	151	151	154	155	156	158	160	162	161	159	155	157
2	152	157	155	152	158	155	153	152	150	150	150	149	150	150	150	149	150	149	151	155	155	154	153	159	152
3 Q	159	162	160	159	158	154	156	157	157	154	156	152	149	149	150	157	156	157	158	158	159	158	158	158	156
4 Q	157	159	157	155	152	155	155	153	152	153	151	150	150	150	151	151	151	152	153	157	156	155	153	152	153
5	149	152	150	149	149	150	145	147	147	144	147	144	144	146	147	147	145	143	144	145	147	152	158	159	148
6	160	178	170	157	159	155	154	137	114	109	130	112	055	-16	079	123	137	137	139	146	157	159	168	165	133
7	174	184	193	179	174	175	181	133	067	147	160	153	155	153	153	154	155	153	152	154	156	157	155	156	157
8																									
9	161	165	174	172	170	160	155	131	032	059	096	118	140	128	132	140	136	131	137	145	154	155	155	156	138
10	154	157	157	156	156	155	150	143	136	120	117	117	136	148	143	142	143	144	146	148	150	152	154	154	145
11 Q	150	149	148	147	147	148	147	142	094	128	138	137	135	133	135	139	142	144	148	149	148	149	149	150	142
12	147	146	144	144	143	143	144	142	135	131	122	116	115	119	134	142	137	136	143	142	139	138	138	142	137
13	134	143	142	142	141	140	137	137	134	135	135	135	132	107	116	120	116	113	116	121	137	186	211	197	139
14 D	161	043	056	-89	010	127	113	086	205	339	110	242	-22	-54	075	186	185	113	111	167	158	156	161	161	117
15	165	170	169	169	173	166	116	129	121	121	128	142	157	153	157	150	150	149	149	142	154	156	153	159	150
16	163	170	168	160	159	157	152	150	151	148	148	148	148	147	147	148	149	149	148	149	148	152	150	152	153
17	146	230	221	178	167	130	132	118	062	-20	054	099	065	066	017	037	081	108	126	135	144	146	151	150	114
18	144	151	148	147	147	144	143	137	120	133	136	138	135	128	132	133	134	133	138	141	141	141	143	147	139
19	145	144	141	138	135	135	137	127	098	127	133	134	133	129	133	127	129	133	132	125	127	129	124	168	133
20 D	194	169	192	148	140	140	065	143	149	145	145	102	110	116	117	096	091	098	097	099	094	126	154	172	129
21	175	194	218	142	199	161	126	047	043	076	103	118	159	172	155	148	145	144	142	145	146	142	140	138	141
22 Q	137	137	134	132	129	131	131	132	136	132	132	131	130	129	128	128	129	129	129	131	131	129	130	130	131
23	132	149	146	140	133	130	129	126	122	122	127	129	126	122	116	116	115	118	113	099	097	112	135	142	125
24	139	130	128	127	122	130	129	125	124	119	115	006	-05	-09	028	073	090	104	111	113	117	122	121	121	099
25 D	118	122	119	116	115	115	112	111	108	080	043	-32	046	090	099	100	081	086	081	129	133	147	151	151	101
26 D	171	247	213	163	156	000	091	121	111	019	-12	-120	054	064	113	107	105	120	132	139	148	137	135	129	106
27 D	129	139	145	144	128	105	100	092	021	064	057	028	-166	-51	075	091	087	102	106	142	134	118	121	131	085
28	131	131	133	131	099	099	114	111	021	073	023	021	059	040	-25	034	066	096	106	114	117	126	138	137	087
29	122	117	114	131	150	128	108	031	047	074	029	040	065	066	087	102	101	112	112	113	120	120	117	119	097
30	115	116	113	117	109	108	100	090	084	025	009	049	072	082	094	100	097	094	097	099	098	097	096	103	090
31	103	103	108	109	110	105	094	027	062	074	067	066	089	079	098	099	098	095	092	098	099	102	102	103	091
Mean	148	153	153	139	142	135	131	121	109	114	107	103	099	100	113	123	125	127	129	126	138	141	144	147	128

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook — December 1945

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	10	35	763	19	38	736	27	16	26	16.3	07	11	11.8	04.5	01	35	164	12	42	150	14
2	06	58	768	23	25	729	39	06	00	19.8	23	28	08.8	11.0	04	55	162	07	12	141	21
3 Q	02	20	765	18	25	735	30	15	55	17.8	21	41	10.8	07.0	01	26	166	13	00	148	18
4 Q	02	50	760	19	30	742	18	16	41	15.7	20	55	11.5	04.2	01	28	162	13	29	148	14
5	06	28	769	20	50	724	45	17	13	17.6	21	53	06.5	11.1	23	55	163	06	46	142	21
6	01	43	769	13	02	554	215	07	38	28.7	15	47	04.9	23.8	02	00	195	13	26	-48	243
7	04	10	767	08	08	429	338	07	40	19.9	08	23	-4.6	24.5	02	41	206	08	01	-38	244
8	05	10	851	11	54	608	243	05	04	24.3	08	43	06.0	48.3							
9	03	38	779	08	36	575	204	03	32	24.4	08	22	-2.0	26.4	03	32	185	08	34	-14	199
10	06	42	772	10	17	703	69	05	09	25.8	10	21	09.1	16.7	04	15	166	09	37	105	61
11 Q	10	45	760	08	22	713	47	16	16	18.6	08	14	01.9	16.7	06	06	154	08	25	064	90
12	02	30	761	12	36	706	55	12	13	18.1	12	48	06.1	12.0	23	49	151	13	00	103	48
13	24	00	973	19	10	685	288	18	03	26.2	23	27	04.9	21.3	22	51	236	13	31	087	149
14 D	02	35	1217	08	15	290	927	10	07	95.4	09	49	-123.1	218.5	09	36	798	13	35	-184	982
15	17	42	769	06	18	643	126	06	23	24.0	06	17	-4.8	28.8	04	35	182	06	05	077	105
16	19	48	777	18	23	730	47	01	51	18.4	23	52	10.8	07.6	01	50	181	18	22	141	40
17	01	40	840	09	07	439	401	05	38	28.4	09	08	-10.1	38.5	02	36	273	09	00	-91	364
18	02	15	755	08	28	722	33	15	41	17.7	08	20	06.9	10.8	04	52	154	08	30	107	47
19	22	20	805	23	53	679	126	18	14	22.1	23	35	-7.8	29.9	23	33	226	08	32	082	144
20 D	06	22	917	06	58	650	267	06	11	32.6	06	38	-25.4	58.0	02	35	219	06	44	001	218
21	03	07	1034	07	56	536	498	03	06	64.9	07	04	-6.7	71.6	02	58	295	03	17	-73	368
22 Q	23	27	1022	18	55	730	292	16	00	18.2	20	14	10.2	08.0	08	40	139	06	28	126	13
23	21	54	818	16	55	671	147	23	45	23.9	21	43	-5.1	29.0	21	56	189	21	48	086	103
24	01	36	797	12	02	468	329	12	27	28.5	15	03	-2.2	30.7	06	32	140	12	12	-225	365
25 D	13	16	830	12	00	482	348	11	56	45.9	18	46	-8.2	54.1	24	00	173	11	59	-173	346
26 D	06	15	851	09	53	387	464	11	43	46.7	05	44	-24.8	71.5	01	28	277	11	42	-172	449
27 D	14	18	819	12	27	235	584	05	39	38.7	13	23	-2.2	40.9	19	28	172	12	09	-246	418
28	04	47	820	14	13	482	338	04	37	31.5	15	25	-22.0	53.5	22	45	153	14	28	-95	248
29	08	12	797	10	44	625	172	04	30	42.1	07	30	-4.4	46.5	04	25	169	07	37	-42	211
30	12	25	760	10	44	583	177	03	45	26.7	10	30	06.3	20.4	03	30	125	10	32	-11	136
31	12	25	771	07	46	710	61	05	51	22.2	07	15	-3.1	25.3	04	13	118	07	26	-29	147
Mean			827			603	224			30.0			-4.6	34.6			203			009	194
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 1945

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	+11	+18	+20	+19	+12	+15	+1	-2	-11	-15	-26	-12	-13	+2	-2	+1	+1	-3	-7	-5	-6	-3	+1	+3
February	+2	+7	+10	+13	+12	+11	+11	+7	-5	-35	-17	-11	-4	+4	+2	+3	+7	+4	-5	-9	-8	-4	-1	+1
March	+22	+32	+27	+33	+33	+31	+18	-11	-23	-46	-51	-55	-13	-17	-18	-9	-3	-4	-11	-4	+5	+11	+25	+19
April	+21	+25	+27	+28	+24	+26	+2	-19	-38	-43	-32	-36	-32	-6	+4	+7	0	-4	-4	-2	+4	+12	+18	+18
May	+20	+11	+13	+8	+11	+12	-3	-10	-11	-7	-9	-11	+3	+2	+1	-1	-6	-12	-14	-11	-6	0	+6	+12
June	+15	+20	+19	+16	+12	+2	-4	0	-3	-19	-17	-10	+7	+9	+11	+3	-2	-11	-17	-18	-12	-4	+2	+13
July	+19	+19	+24	+21	+16	+13	+3	-17	-25	-28	-14	-10	-6	-1	+14	+9	0	-4	-9	-13	-12	-6	-1	+14
August	+12	+16	+20	+20	+18	+7	+2	-2	-7	-12	-14	-1	+8	+5	+6	0	-11	-20	-24	-21	-17	-7	+4	+10
September	+18	+16	+14	+20	+18	+6	+10	-2	-14	-15	-25	-18	+1	+7	+3	-1	-10	-16	-17	-15	-6	+5	+14	+16
October	+19	+28	+30	+33	+19	+14	+10	+6	-6	-20	-31	-44	-22	-11	-2	+4	-2	-14	-17	-18	-7	+1	+6	+15
November	+8	+12	+18	+13	+12	+12	+2	-6	-12	-34	-20	-12	+4	+11	+11	+9	+4	-5	-10	-9	-6	-1	+3	+5
December	+14	+27	+30	+28	+21	+15	+11	-5	-25	-21	-24	-27	-23	-16	-8	+5	+4	-2	-7	-7	-2	+3	+6	+13
Year	+15	+19	+21	+21	+17	+14	+5	-5	-15	-24	-23	-21	-8	-1	+2	+2	-2	-8	-12	-11	-6	+1	+7	+12
Winter	+9	+16	+20	+18	+14	+13	+6	-2	-13	-26	-22	-16	-9	0	+1	+4	+4	-2	-7	-8	-6	-1	+2	+6
Equinox	+20	+25	+24	+28	+24	+19	+10	-6	-20	-31	-35	-38	-17	-7	-3	0	-4	-10	-12	-10	-1	+7	+16	+17
Summer	+16	+16	+19	+16	+14	+9	0	-7	-12	-16	-14	-8	+3	+4	+8	+3	-5	-12	-16	-16	-12	-4	+3	+12

DECLINATION (minutes) (All Days)

Table 50 Meanook 1945

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	-0.4	+0.8	+1.4	+1.2	+1.6	+0.7	+1.4	-0.1	-0.1	-0.2	+1.9	+0.2	+0.8	+2.0	+1.4	+1.9	+0.6	-1.5	-1.6	-1.5	-3.3	-2.7	-2.0
February	-1.9	-1.9	-1.0	0.0	+1.2	+2.0	+1.6	+1.1	+0.5	-0.3	+0.3	+2.1	+1.1	+1.2	+1.1	+1.5	+1.7	+2.0	+0.6	-1.0	-2.8	-3.2	-3.2	-2.7
March	-3.4	-2.8	-1.1	-0.5	+0.2	+1.1	+1.7	-1.9	-1.2	+2.5	+2.1	-0.3	+4.0	+4.1	+3.5	+3.3	+3.1	+2.6	-0.7	-2.4	-3.2	-4.2	-3.4	-3.6
April	-2.9	-1.7	-0.6	-0.4	-0.6	-0.1	-0.3	-0.8	-2.5	-1.5	+1.7	+2.8	+3.0	+4.3	+6.0	+6.4	+5.2	+3.1	-0.3	-2.7	-3.7	-4.7	-4.9	-4.3
May	-4.7	-3.3	-2.5	-1.3	+0.3	-0.3	+0.6	+0.6	+0.6	-0.4	+0.7	+0.7	+3.6	+6.5	+8.3	+8.9	+7.0	+3.8	-0.3	-3.6	-6.0	-6.4	-6.2	-5.5
June	-4.6	-2.7	-1.8	-0.6	-1.3	-0.6	-0.3	-1.7	-0.7	+0.1	+0.2	+1.6	+3.2	+5.4	+7.5	+8.1	+7.0	+4.8	+2.0	-2.1	-5.1	-6.6	-6.7	-6.1
July	-4.5	-3.0	-2.2	-2.4	-1.8	-1.2	-2.2	-0.9	-0.7	-0.2	+0.3	+2.1	+4.5	+6.3	+8.4	+8.6	+7.7	+4.6	+1.0	-1.9	-4.8	-5.5	-6.0	-5.9
August	-3.5	-2.9	-2.6	-1.5	-1.5	-1.5	-1.0	-0.2	+0.1	+1.3	+0.8	+1.7	+4.3	+6.6	+8.5	+8.6	+7.0	+3.4	-0.1	-4.5	-6.8	-6.7	-5.7	-4.6
September	-2.6	-1.6	-1.3	-0.7	-0.4	-0.9	-1.0	-1.3	0.0	-0.5	+1.2	+2.0	+3.8	+4.4	+6.2	+6.5	+5.4	+2.8	-0.9	-4.5	-5.6	-5.2	-3.8	-2.9
October	-2.7	-2.1	-1.5	-0.7	-0.4	-0.6	-0.1	+0.2	-0.7	+1.1	+2.6	+2.3	+4.0	+3.3	+4.0	+4.7	+4.0	+1.3	-1.3	-3.7	-3.9	-4.1	-3.8	-2.4
November	-2.0	-1.2	+0.1	+0.4	+0.5	+1.2	+1.6	+0.2	-0.4	+0.4	+0.3	+1.7	+1.2	+1.6	+1.6	+2.5	+2.8	+1.9	-0.8	-2.5	-3.1	-3.2	-2.9	-2.3
December	-0.8	+1.1	+1.2	+0.9	+1.2	+2.0	+0.7	-0.7	-0.7	-2.3	+0.1	+2.9	+2.4	+1.5	+0.6	+1.4	+2.1	+0.9	-1.0	-2.4	-3.2	-3.3	-2.1	-1.5
Year	-2.9	-1.9	-1.0	-0.4	-0.1	+0.2	+0.2	-0.3	-0.5	0.0	+0.8	+1.8	+2.9	+3.8	+4.8	+5.2	+4.6	+2.7	-0.3	-2.7	-4.1	-4.7	-4.3	-3.6
Winter	-1.5	-0.6	+0.3	+0.7	+1.0	+1.7	+1.2	+0.5	-0.2	-0.6	+0.1	+2.2	+1.2	+1.3	+1.3	+1.7	+2.1	+1.4	-0.7	-1.9	-2.6	-3.2	-2.7	-2.1
Equinox	-2.9	-2.0	-1.1	-0.6	-0.3	-0.1	+0.1	-1.0	-1.1	+0.4	+1.9	+1.7	+3.7	+4.0	+4.9	+5.2	+4.4	+2.4	-0.8	-3.3	-4.1	-4.6	-4.0	-3.3
Summer	-4.3	-3.0	-2.3	-1.4	-1.0	-0.9	-0.7	-0.5	-0.2	+0.2	+0.5	+1.5	+3.9	+6.2	+8.2	+8.6	+7.2	+4.2	+0.6	-3.0	-5.7	-6.3	-6.2	-5.5

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Meanook 1945

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	+20	+20	+18	+6	+9	+15	+5	-10	-12	-20	-34	-24	-17	-10	-10	-6	-5	-1	+3	+3	+7	+10	+10	+13
February	+17	+19	+18	+19	+21	+14	+9	-2	-14	-52	-43	-30	-9	-14	-14	-6	0	-1	+1	+5	+11	+13	+12	+13
March	+29	+24	+26	+29	+29	+21	+7	-25	-25	-45	-47	-46	-27	-20	-21	-13	-10	+3	+8	+15	+21	+25	+28	+26
April	+22	+27	+31	+27	+17	+12	-14	-30	-30	-21	-23	-29	-23	-19	-16	-10	-3	+1	+3	+6	+11	+19	+19	+18
May	+29	+27	+28	+27	+22	+13	-6	-24	-29	-27	-22	-23	-16	-15	-14	-13	-9	-5	-3	+1	+7	+13	+18	+22
June	+19	+24	+26	+24	+21	+6	-4	-16	-18	-30	-22	-14	-6	-6	-2	-6	-7	-10	-8	-4	+1	+2	+11	+17
July	+23	+25	+22	+13	+11	+9	+1	-9	-9	-18	-18	-14	-15	-23	-10	-5	-6	-8	-7	-5	-1	+5	+11	+18
August	+19	+24	+18	+1	+12	+11	+4	-8	-19	-29	-27	-18	-7	-8	-6	-3	-2	-4	-3	-1	+3	+7	+11	+16
September	+18	+24	+26	+25	+15	0	+6	-22	-28	-28	-27	-34	-20	-4	-8	-4	-5	-3	+3	+4	+9	+16	+19	+16
October	+21	+13	+13	+13	+15	+14	+10	-1	-15	-19	-23	-44	-40	-22	-15	-8	-4	+1	+4	+9	+15	+18	+23	+23
November	+16	+19	+21	+19	+17	+8	-9	-21	-16	-33	-34	-26	-12	-7	-2	+2	+3	+3	+4	+7	+12	+12	+12	+13
December	+20	+25	+25	+11	+14	+7	+3	-7	-19	-14	-21	-25	-29	-28	-15	-5	-3	-1	+1	-2	+10	+13	+16	+19
Year	+21	+23	+23	+18	+17	+11	+1	-15	-20	-28	-28	-27	-18	-15	-11	-6	-4	-2	0	+3	+9	+13	+16	+18
Winter	+18	+21	+20	+14	+15	+11	+2	-10	-15	-30	-33	-26	-17	-15	-10	-4	-1	0	+2	+3	+10	+12	+12	+14
Equinox	+22	+22	+24	+24	+19	+12	+2	-20	-24	-28	-30	-38	-28	-16	-15	-9	-6	0	+4	+8	+14	+20	+22	+21
Summer	+22	+25	+24	+16	+16	+10	-1	-14	-19	-26	-22	-17	-11	-13	-8	-7	-6	-7	-5	-2	+2	+7	+13	+18

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 1945

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	+2	+2	+2	+1	+1	+1	0	+1	+1	+1	+1	+2	+4	+6	+4	+1	-1	-6	-8	-9	-5	-1
February	+1	+4	+7	+4	+3	+2	+2	+2	+2	+2	0	+4	+5	+4	+6	+7	+3	-2	-9	-12	-13	-10	-7	-3
March	+3	+3	+3	+3	+4	+3	+4	+5	+7	+5	+5	+4	+3	+3	+5	+4	-3	-10	-15	-15	-12	-6	-2	-2
April	+2	+3	+4	+2	+4	+6	+7	+6	+7	+8	+7	+10	+9	+10	+8	+1	-11	-20	-23	-20	-15	-8	0	+5
May	+9	+3	+10	+6	+4	+4	+4	-7	-1	+4	-4	+8	+7	+4	+3	0	-7	-18	-23	-14	-6	+2	+2	+6
June	+8	+5	+5	+2	0	-2	-1	0	+3	+3	+4	+5	+7	+8	+8	+3	-4	-7	-12	-12	-11	-8	-4	+1
July	+5	+5	+5	+3	+3	+4	+5	+6	+6	+9	+7	+9	+11	+12	+11	+6	0	-8	-15	-21	-25	-21	-13	-6
August	+3	+5	+7	+2	+2	+2	+5	+3	+7	+8	+8	+9	+9	+12	+13	+4	-9	-21	-26	-16	-17	-11	0	+5
September	+9	+6	+4	+6	+4	+4	+3	+3	0	+2	+7	+11	+13	+12	+11	+2	-10	-23	-29	-25	-16	-3	+5	+8
October	-2	+1	+5	+7	+6	+5	+4	+5	+5	+6	+7	+6	+5	+6	+8	+4	-4	-13	-19	-20	-16	-9	-1	+3
November	+6	+8	+8	+6	+4	+2	+1	+2	+1	+1	+5	+7	+6	+6	+6	+3	-1	-9	-13	-15	-12	-9	-7	-4
December	-1	+3	+4	+2	+2	+2	+1	+1	-1	+2	+2	+3	+5	+3	+4	+2	-1	-6	-10	-10	-8	-4	0	+2
Year	+3	+4	+5	+4	+3	+3	+3	+2	+3	+4	+4	+7	+7	+7	+7	+3	-4	-11	-16	-16	-13	-8	-3	+1
Winter	+1	+4	+5	+4	+3	+2	+1	+2	0	+2	+2	+4	+4	+4	+5	+4	+1	-4	-8	-11	-10	-8	-5	-2
Equinox	+3	+3	+4	+4	+4	+4	+4	+5	+5	+5	+6	+8	+8	+8	+8	+3	-7	-16	-22	-20	-15	-6	0	+4
Summer	+6	+5	+7	+3	+2	+2	+3	0	+4	+6	+4	+8	+8	+9	+9	+3	-5	-14	-19	-16	-15	-10	-4	+2

DECLINATION (minutes) (Quiet Days)

Table 53 Meanook 1945

January	-0.9	-1.0	-0.4	+0.2	+0.1	-0.5	-0.3	0.0	-0.8	0.0	+0.5	+0.5	-0.1	-0.2	+0.7	+1.7	+2.8	+2.4	+0.7	+0.8	-0.2	-2.1	-2.2	-1.5
February	-2.9	-2.6	-2.2	-0.2	+0.5	+0.6	+0.6	-0.3	-0.9	0.0	0.0	+0.4	+0.6	+1.1	+2.2	+3.3	+4.0	+3.3	+2.1	+0.1	-1.7	-2.6	-2.7	-2.6
March	-2.0	-1.6	-1.1	-0.9	-1.0	+0.2	-0.5	-0.2	-0.5	-1.5	-0.4	+0.6	+1.4	+2.7	+4.0	+4.9	+5.1	+4.3	+1.7	-0.9	-3.0	-3.9	-3.9	-3.7
April	-1.9	-1.8	-0.9	-0.1	-0.7	+0.3	+0.1	-0.3	-0.5	-0.4	+0.2	+0.8	+1.5	+4.1	+5.3	+6.1	+5.7	+4.0	+0.4	-2.9	-4.7	-5.3	-5.1	-3.9
May	-2.5	-1.7	-0.9	-0.7	-1.5	-1.2	-0.3	-1.4	-0.4	-0.3	+0.3	+1.8	+3.2	+5.0	+6.5	+7.8	+7.1	+3.5	-0.9	-3.8	-5.1	-5.3	-4.7	-3.9
June	-4.3	-2.6	-1.7	-0.7	+0.3	-0.6	-0.7	-0.6	-1.2	-1.2	-0.3	+1.1	+2.8	+4.9	+6.9	+7.4	+6.6	+4.7	+1.3	-2.2	-4.2	-5.2	-5.4	-5.1
July	-2.8	-1.8	-1.3	-1.3	-1.3	-1.6	-1.1	-0.3	-0.9	-1.6	-0.2	+1.2	+2.7	+5.9	+7.5	+8.7	+8.0	+4.9	+1.1	-2.5	-6.5	-6.1	-5.0	-5.2
August	-2.4	-1.5	-1.5	-0.8	-1.3	-1.4	-0.7	-0.6	-0.5	-0.3	+0.6	+1.5	+3.4	+5.9	+8.2	+9.2	+8.0	+5.1	-0.6	-5.6	-7.6	-7.0	-5.8	-4.2
September	-1.6	-1.7	-1.1	-1.2	-1.4	-1.2	-1.0	-0.6	-0.6	+0.3	+0.4	+0.4	+1.0	+2.8	+4.9	+6.4	+6.6	+4.9	+1.0	-2.7	-5.0	-5.0	-3.6	-1.9
October	-1.9	-1.9	-1.6	-1.2	-0.9	-1.1	-0.9	-0.5	-0.9	-0.4	+0.1	+0.7	+1.0	+2.3	+4.6	+6.3	+5.6	+3.4	+0.3	-1.9	-2.8	-2.9	-2.7	-2.5
November	-1.6	-1.5	-0.7	-0.5	-0.3	+0.2	-0.5	-0.7	-0.4	-0.9	-0.7	+0.6	+1.0	+1.1	+1.8	+3.2	+3.8	+2.8	+1.0	-0.6	-1.5	-1.7	-1.9	-1.9
December	-0.7	-0.1	+0.1	+0.6	+0.4	+0.3	-0.1	-0.2	-0.2	-0.3	0.0	+0.3	+0.7	+0.5	+1.0	+2.1	+2.7	+1.7	+0.1	-1.2	-2.3	-2.3	-1.7	-1.4
Year	-2.1	-1.7	-1.1	-0.6	-0.6	-0.5	-0.5	-0.5	-0.7	-0.5	0.0	+0.8	+1.6	+3.0	+4.5	+5.6	+5.5	+3.8	+0.7	-1.9	-3.7	-4.1	-3.7	-3.1
Winter	-1.5	-1.3	-0.8	0.0	+0.2	+0.2	-0.1	-0.3	-0.6	-0.3	0.0	+0.4	+0.6	+0.6	+1.4	+2.6	+3.3	+2.6	+1.0	-0.2	-1.4	-2.2	-2.1	-1.8
Equinox	-1.8	-1.8	-1.2	-0.8	-1.0	-0.4	-0.6	-0.4	-0.6	-0.5	+0.1	+0.6	+1.2	+3.0	+4.7	+5.9	+5.8	+4.2	+0.8	-2.1	-3.9	-4.3	-3.8	-3.0
Summer	-3.0	-1.9	-1.4	-0.9	-1.0	-1.2	-0.7	-0.7	-0.8	-0.8	+0.1	+1.4	+3.0	+5.4	+7.3	+8.3	+7.4	+4.6	+0.2	-3.5	-5.8	-5.9	-5.2	-4.6

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Meanook 1945

January	+2	+4	+3	+3	+3	+2	+2	0	-2	-4	-3	-3	-3	-3	-2	-1	-1	-2	-1	0	+1	+3	+3	+2
February	+6	+5	+9	+7	+8	+7	+7	+3	-1	-5	-8	-6	-8	-9	-7	-2	-2	-2	-2	-2	+1	+3	+1	0
March	+6	+3	+4	+5	+5	+5	+4	+3	-3	-23	-20	-6	-2	-1	0	-1	-2	-2	-2	+1	+4	+6	+7	+8
April	+7	+8	+7	+7	+5	+3	-4	-6	-2	-1	-1	+1	-2	-4	-4	-4	-2	-3	-4	-3	-1	0	+2	+1
May	+17	+13	+13	+16	+13	+11	+8	-21	-31	-15	-24	-7	-7	-6	-8	-7	-4	-2	-3	-1	+5	+10	+12	+16
June	+10	+11	+10	+10	+9	+14	+7	+5	+3	-2	-3	0	+3	+1	-4	-8	-14	-21	-16	-10	-5	-2	0	+5
July	+11	+13	+8	+6	+7	+5	+4	+3	-1	0	-2	0	-1	-2	-3	-4	-7	-8	-13	-11	-8	-4	+1	+4
August	+7	+9	+6	+7	+4	+1	-1	0	-2	0	-1	0	-1	-3	-2	-3	-5	-7	-8	-7	-5	0	+1	+5
September	+5	+12	+10	+7	+5	+4	+3	-2	-8	-10	-12	-6	-1	+1	+2	+3	0	-3	-6	-5	-3	-1	+1	0
October	+1	+4	+5	+6	+4	+2	+2	-1	0	-1	-1	-3	-5	-3	+1	0	+2	-4	-3	-1	+1	+3	+2	+1
November	+2	+4	+2	+1	+2	+2	+3	+1	+1	-3	-1	-3	-4	-6	-5	-1	0	-2	-2	0	+2	+3	+2	+1
December	+5	+6	+5	+3	+2	+2	+2	+1	-9	-4	-2	-3	-5	-5	-5	-2	-1	0	+2	+3	+3	+3	+2	+1
Year	+7	+8	+7	+7	+6	+5	+3	-1	-5	-6	-7	-3	-3	-3	-3	-3	-3	-5	-5	-3	0	+2	+3	+4
Winter	+4	+5	+5	+4	+4	+3	+4	+1	-3	-4	-4	-4	-5	-6	-5	-2	-1	-2	-1	0	+2	+3	+2	+1
Equinox	+5	+7	+6	+6	+5	+4	+1	-2	-3	-9	-8	-4	-2	-2	0	0	-1	-3	-4	-2	0	+2	+3	+2
Summer	+11	+12	+9	+10	+8	+8	+4	-3	-8	-4	-8	-2	-2	-2	-4	-6	-8	-10	-10	-7	-3	+1	+4	+8

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 1945

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	+85	+98	+92	+80	+37	+64	-2	-43	-57	-46	-88	-61	-74	+2	-40	-33	-23	-24	-26	+8	+7	+5	+14	+25
February	+13	+20	+25	+30	+26	+26	+28	+15	0	**-52**	-29	-55	-9	+7	-12	-22	+3	+2	-15	-17	-5	+4	+9	+12
March	+82	+148	+110	+130	+127	+119	+46	-107	-96	-202	-147	-185	-57	-145	-147	-73	0	+6	+11	+36	+69	+77	+125	+75
April	+87	+91	+92	+104	+78	+95	-20	-100	-169	-246	-187	-126	-155	-57	-7	+21	+32	+37	+44	+46	+57	+84	+101	+96
May	+34	+22	+36	+17	+35	+49	-10	-3	-17	-38	-28	-48	-9	-24	-24	-11	-1	-4	-11	-9	+4	+5	+6	+31
June	+42	+54	+53	+53	+46	-13	-40	-4	+14	-20	-99	-96	-5	-7	-6	-20	-9	-13	-13	-14	0	+20	+30	+48
July	+62	+58	+100	+106	+75	+63	-1	-109	-106	-128	-107	-87	-43	-40	+22	+11	+3	+1	+6	+15	+13	+20	+30	+49
August	+45	+64	+105	+96	+92	+21	-13	-35	-53	-84	-88	-55	-31	-34	-14	-5	-2	-8	-17	-16	-9	+6	+15	+20
September	+61	+65	+60	+93	+73	+4	+31	-43	-113	-105	-134	-119	-40	-9	-16	-17	-29	-8	+20	+17	+29	+47	+71	+67
October	+92	+139	+138	+158	+78	+56	+44	+30	-14	-113	-182	-256	-132	-77	-36	+12	+7	-18	-17	-15	+14	+28	+28	+44
November	+31	+34	+47	+39	+40	+38	+9	-21	-61	-193	-105	-72	+1	+27	+31	+23	+17	+8	+5	+5	+10	+21	+30	+38
December	+59	+97	+102	+107	+72	+30	+28	-22	-52	-75	-70	-93	-116	-41	-15	+21	+2	-19	-26	-18	-8	+2	+12	+20
Year	+58	+74	+80	+84	+65	+46	+8	-37	-60	-108	-105	-104	-56	-33	-22	-8	0	-3	-3	+3	+15	+27	+39	+44
Winter	+47	+62	+66	+64	+44	+40	+16	-18	-42	-92	-73	-70	-50	-1	-9	-3	0	-8	-16	-6	+1	+8	+16	+24
Equinox	+80	+111	+100	+121	+89	+68	+25	-55	-98	-166	-162	-171	-96	-72	-52	-14	+2	+4	+14	+21	+42	+59	+81	+70
Summer	+46	+50	+74	+68	+62	+30	-16	-38	-40	-68	-80	-72	-22	-26	-6	-6	-2	-6	-9	-6	+2	+13	+20	+37

DECLINATION (minutes) (Disturbed Days)

Table 56 Meanook 1945

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	-1.3	-0.2	+2.8	+2.2	+0.1	+3.9	+2.8	+7.1	+2.7	+3.7	-1.1	+8.3	-1.3	+2.3	+3.4	-4.2	+1.3	-3.6	-10.1	-3.7	-4.3	-4.1	-3.5	-3.1
February	-1.0	-2.4	-1.5	-2.4	+0.1	+3.7	+1.0	+2.5	+0.8	+2.1	+3.8	+5.9	+2.4	+2.3	+1.0	+0.9	+0.1	+1.2	-0.3	-3.1	-5.4	-4.7	-4.0	-3.1
March	-6.6	-5.0	-2.2	+1.7	+0.7	+4.2	+4.1	-12.8	-1.7	+16.2	+4.6	-12.5	+12.0	+7.9	+1.2	-1.2	+0.6	+2.4	-2.2	-2.6	-2.2	-2.9	-1.2	-2.4
April	-4.9	-1.7	+1.0	-1.2	-0.8	+0.1	-7.3	-5.6	-13.0	-9.6	+8.7	+13.3	+10.6	+7.9	+7.6	+7.9	+4.6	+2.5	-1.7	-3.6	-3.1	-3.0	-3.3	-5.1
May	-7.0	-4.5	-2.7	+2.1	+0.4	+0.8	+0.4	0.0	+0.9	-2.5	+2.4	-1.3	+5.0	+9.8	+12.5	+10.4	+7.2	+2.8	-1.6	-3.8	-6.9	-8.3	-8.6	-8.1
June	-6.3	-2.6	-2.9	+0.2	-2.5	-1.6	-2.1	-3.1	-2.7	-1.7	+4.0	+5.5	+4.0	+5.5	+8.6	+8.6	+7.7	+5.1	+4.4	-1.0	-5.8	-6.6	-7.4	-7.1
July	-3.9	-3.5	-3.2	-5.3	-5.2	-6.1	-9.7	-0.9	+2.1	+1.8	-1.5	+5.3	+10.0	+7.1	+12.2	+10.2	+9.2	+4.2	-0.2	-0.1	-5.0	-6.2	-5.8	-5.2
August	-7.7	-6.5	-6.7	+0.1	-2.4	-2.5	-0.5	+0.3	+5.3	+7.0	+4.2	+1.7	+4.8	+7.1	+11.1	+8.1	+4.9	+2.4	-1.4	-5.5	-6.7	-6.9	-6.0	-4.9
September	-5.0	-1.3	+1.6	-0.3	-0.3	+0.2	+0.1	-1.1	+3.8	-2.6	+4.9	+5.0	+8.9	+4.1	+8.2	+6.3	+1.1	-1.5	-4.9	-6.7	-7.2	-5.7	-4.2	-3.3
October	-4.6	-2.8	-2.8	-0.1	+1.6	-0.6	-0.9	+1.3	-2.9	+1.2	+10.0	+7.7	+12.9	+5.8	+1.6	+2.9	+2.9	-1.9	-4.2	-7.4	-6.6	-6.5	-5.5	-1.1
November	-4.4	-1.8	+0.7	+1.5	+0.1	+4.1	+10.6	+2.7	+1.7	+5.2	+1.9	+7.0	+1.2	+2.2	0.0	-0.6	-0.7	-1.9	-4.4	-5.1	-6.1	-6.0	-4.8	-3.2
December	-1.4	+4.1	+4.3	-3.4	-4.2	+2.0	+0.1	-4.2	+2.4	-12.9	+1.3	+13.9	+5.8	+3.3	+3.5	+5.2	+1.5	-1.2	-3.0	-3.5	-4.4	-5.0	-3.4	-0.9
Year	-4.5	-2.4	-1.0	-0.4	-1.0	+0.7	-0.1	-1.2	0.0	+0.7	+3.5	+5.0	+6.4	+5.4	+5.9	+4.5	+3.4	+0.9	-2.5	-3.8	-5.3	-5.5	-4.8	-4.0
Winter	-2.0	-0.1	+1.6	-0.5	-1.0	+3.4	+3.6	+2.0	+1.9	-0.5	+1.5	+8.9	+2.0	+2.5	+2.0	+0.3	+0.6	-1.4	-4.4	-3.8	-5.0	-5.0	-3.9	-2.6
Equinox	-5.3	-2.7	-0.6	0.0	+0.3	+1.0	-1.0	-4.6	-3.4	+1.3	+7.0	+3.4	+11.1	+6.4	+4.6	+4.0	+2.3	+0.4	-3.3	-5.1	-4.8	-4.5	-3.6	-3.0
Summer	-6.2	-4.3	-3.9	-0.6	-2.4	-2.4	-3.0	-0.9	+1.4	+1.2	+2.3	+2.8	+6.0	+7.4	+11.1	+9.3	+7.2	+3.6	+0.3	-2.6	-6.1	-7.0	-7.0	-6.3

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Meanook 1945

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	+74	+70	+49	-22	-6	+43	+21	-41	-34	-46	-80	-54	-36	-22	-39	-19	-13	+9	+24	+15	+26	+23	+25	+31
February	+29	+36	+34	+38	+52	+26	+5	-7	-23	-90	-61	-55	-14	-10	-27	-25	-7	-11	+1	+13	+27	+27	+23	+22
March	+67	+49	+54	+63	+63	+26	-1	-141	-60	-74	-8	-40	-23	-61	-120	-75	-27	-1	+21	+45	+60	+62	+70	+56
April	+26	+42	+45	+39	+3	+21	-14	-25	-85	-51	-41	-22	-14	-26	-38	-36	-17	+7	+12	+17	+27	+46	+48	+38
May	+52	+36	+50	+49	+47	+26	-32	-19	-33	-62	-32	-43	-44	-42	-36	-27	-13	-2	+2	+9	+23	+30	+30	+34
June	+36	+51	+51	+57	+49	-20	-15	-49	-28	-22	-71	-60	-18	-12	-9	-10	-6	-10	-1	+7	+12	+16	+24	+35
July	+35	+42	+51	0	0	+6	-24	-40	+14	+39	-10	-33	-30	-74	-33	-11	-8	-16	-10	+2	+10	+21	+28	+39
August	+49	+80	+55	-56	+24	+31	+3	-27	-55	-77	-47	-65	-35	-41	-26	0	+15	+12	+18	+24	+27	+28	+34	+38
September	+47	+80	+92	+76	+34	-31	+17	-106	-132	-98	-69	-103	-66	-7	-24	-7	-13	-5	+39	+38	+46	+61	+68	+61
October	+56	+10	+20	+26	+43	+55	+43	+31	-21	-65	-47	-167	-155	-70	-45	-11	+8	+22	+26	+36	+51	+49	+48	+53
November	+48	+54	+61	+60	+48	+30	-31	-85	-43	-132	-139	-98	-36	-18	+3	+11	+16	+23	+25	+34	+42	+39	+40	+50
December	+47	+36	+37	-11	+2	-10	-11	+3	+12	+22	-39	-64	-103	-75	-12	+8	+2	-4	-2	+30	+26	+29	+37	+41
Year	+47	+49	+50	+27	+30	+17	-3	-42	-41	-55	-54	-67	-48	-38	-34	-17	-5	+2	+13	+22	+31	+36	+40	+41
Winter	+50	+49	+45	+16	+24	+22	-4	-32	-22	-62	-80	-68	-47	-31	-19	-6	0	+4	+12	+23	+30	+30	+31	+36
Equinox	+49	+45	+53	+51	+36	+18	+11	-60	-74	-72	-41	-83	-64	-41	-57	-32	-12	+6	+24	+34	+46	+54	+59	+52
Summer	+43	+52	+52	+13	+30	+11	-17	-34	-26	-30	-40	-50	-32	-42	-26	-12	-3	-4	+2	+10	+18	+24	+29	+36