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RECORD OF OBSERVATIONS AT MEANOOK MAGNETIC OBSERVATORY 1940 - 1941

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Meanook Observatory

72849—1½

MEANOOK MAGNETIC OBSERVATORY

Geographic Latitude 54° 37′ N

Geographic Longitude 113° 20′ W

Geomagnetic Latitude 61° .8 N

Geomagnetic Longitude 301° .0 E

Officer-in-Charge: H. E. Cook

Assistant: Anne B. Cook

1940 - 1941

Introduction

Meanook Magnetic Observatory has been in continuous operation since July 1916.

The absolute building and its heating system were renovated during 1940. In 1941 an annex to the basement recording room was constructed to house the la Cour variometers that were located in a temporary hut constructed for their accommodation during the Second International Polar Year of 1932–1933. The two sets of la Cour variometers were moved to the new basement in December 1941.

Instruments

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

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

for D, I.M.S. = Elliott 98 +0.04′

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

for I, I.M.S. = M.S. 1 −0.85′

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

Scale values for the la Cour standard set were, D = 0.96′/mm; H = 8.06γ/mm; and Z = 10.62γ/mm. For the low-sensitivity la Cour set the values were, D = 2.3′/mm; H = 22.2γ/mm; and Z = 16.2γ/mm. Scale values for the Kew-type set were, D = 1.30′/mm; and H = 9.22γ/mm.

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

Magnetic Reductions

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

The tables of daily extremes supply information pertinent to the magnetic character of the days, months, and year. The ranges in the extreme values recorded in 1940 were; for H, 2708γ; for D, 7° 10.4′; and for Z, 1761γ. In 1941 the ranges for the year were; for H, 7059γ; for D, 7° 18.8′; and for Z, 2436γ. The ranges of 7° 10.4′ and 7° 18.8′ are equivalent to ranges of 1592γ and 1632γ, respectively, in the component of intensity perpendicular to the magnetic meridian. It is of interest to note that in 1930, when the preceding maximum disturbance of the earth's magnetic field occurred, the range for the year in H was 1687γ and in D, 3° 54.0′ or an equivalent range of 868γ perpendicular to the magnetic meridian.

The monthly and yearly mean values of H, D, Z, X, Y, I, and F for 1940 and 1941 which follow are based on mean hourly values for H, D, and Z. Values of X, Y, I, and F are computed from H, D, and Z. The computed 1940 year mean of I is 77° 52.6′ and the mean of 105 absolute observations of I uniformly distributed over the year is 77° 52.4′. Similarly, the computed mean of I for 1941 is 77° 52.6′ and the mean of 100 absolute observations is 77° 52.1′.

A list of yearly values from 1917 to 1941, inclusive, completes this section of 1940–1941 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
1940	° ′	γ	γ	γ	γ	° ′	γ
January	25 47.7	12720	59198	11453	5535	77 52.4	60549
February	47.0	731	236	464	38	52.2	589
March	47.7	705	212	439	29	53.4	560
April	46.3	722	189	457	31	52.2	541
May	44.7	725	210	462	27	52.3	562
June	44.4	726	197	463	27	52.0	549
July	44.5	727	200	464	28	52.0	553
August	44.5	716	203	454	23	52.7	553
September	44.6	712	220	450	21	53.1	569
October	43.7	708	222	448	17	53.3	570
November	43.6	707	209	447	16	53.2	557
December	41.9	724	227	465	18	52.5	578
Year	25 45.0	12719	59210	11456	5526	77 52.6	60561
1941							
January	25 40.9	12732	59236	11474	5518	77 52.2	60589
February	40.5	722	212	466	12	52.4	563
March	40.4	699	209	445	02	53.7	556
April	39.3	718	196	464	06	52.5	547
May	37.5	727	174	475	04	51.7	527
June	37.4	731	178	479	06	51.5	532
July	40.1	696	174	443	5499	53.4	521
August	39.7	700	170	447	5500	53.2	518
September	39.4	695	175	443	5497	53.5	521
October	37.6	721	191	470	5502	52.2	543
November	36.4	717	205	468	5496	52.6	555
December	35.4	741	238	491	5503	51.7	593
Year	25 38.7	12717	59196	11464	5504	77 52.6	60547

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

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook H = 12,000 γ + January 1940

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	747	740	740	745	741	747	752	739	735	732	736	734	740	736	742	739	730	731	728	714	722	740	732	737
2	746	780	806	803	785	722	704	654	580	648	696	719	676	693	733	750	739	730	728	729	731	730	727	739	723
3 D	744	743	740	762	786	787	792	634	598	486	361	460	591	700	602	050	100	698	765	727	694	690	715	721	623
4	718	718	739	732	738	722	719	721	690	718	700	567	565	612	662	561	682	736	720	701	704	702	718	730	691
5	734	736	738	756	826	752	744	736	725	724	727	728	731	733	733	734	733	733	733	732	727	716	716	715	736
6	719	738	733	740	737	760	749	747	721	683	668	642	569	600	668	689	670	714	681	725	718	726	719	725	702
7	740	732	740	744	742	744	738	732	722	697	662	678	673	662	587	737	748	741	736	737	739	723	699	746	717
8	747	743	741	740	737	751	747	745	735	734	734	736	737	735	727	721	738	728	726	727	726	727	732	734	735
9	750	749	745	741	738	741	749	741	737	739	734	700	704	733	763	747	730	738	706	693	698	718	742	745	732
10 D	749	746	746	738	760	747	737	734	724	736	728	710	568	300	119	503	568	654	690	683	745	733	724	736	662
11 D	748	751	750	767	819	778	756	717	423	453	509	685	729	725	741	722	737	730	708	692	711	725	743	765	704
12	764	767	796	772	761	760	747	743	689	699	696	688	565	719	709	684	717	690	705	708	717	738	746	752	722
13	753	752	747	739	753	748	749	738	731	718	732	735	734	733	733	737	733	723	716	714	718	726	733	739	735
14 Q	745	744	742	739	737	735	735	734	730	707	715	752	746	739	738	736	733	730	727	724	721	722	730	745	734
15	740	746	746	747	747	742	738	735	725	721	726	723	716	740	741	741	736	723	718	718	722	732	741	746	734
16	754	751	747	745	743	739	739	748	621	690	733	753	749	718	710	762	743	723	698	715	720	727	738	745	730
17	743	750	738	741	735	732	745	732	742	733	727	723	684	514	572	739	722	669	691	709	717	725	729	727	710
18 D	740	745	739	738	734	730	729	730	613	723	739	695	678	632	637	389	333	445	564	673	694	711	711	710	660
19	707	713	732	729	727	725	722	721	717	719	660	683	685	720	732	730	728	728	715	719	727	726	726	727	717
20	727	727	730	731	729	732	736	734	728	727	731	731	728	722	718	723	731	721	714	703	721	727	731	738	727
21 Q	739	738	737	737	738	740	739	740	743	740	740	737	734	739	739	736	735	721	716	721	721	728	731	733	734
22	737	738	740	741	738	743	738	741	738	744	742	724	718	740	749	752	746	727	729	722	736	745	750	752	739
23	749	745	746	747	747	751	795	762	755	749	673	756	749	745	754	749	748	740	740	732	726	717	724	741	743
24	742	745	744	761	762	757	752	761	755	730	716	702	676	716	740	718	696	722	732	719	666	704	733	762	730
25	761	748	757	793	754	753	738	767	699	729	749	739	730	651	621	749	725	736	731	733	740	730	734	746	734
26 Q	751	747	746	746	745	744	746	745	744	744	744	745	745	745	744	744	739	729	727	729	730	732	741	748	742
27 Q	752	751	753	750	749	744	768	751	746	743	741	742	744	746	746	750	745	737	728	726	728	734	740	746	744
28 Q	751	755	757	754	753	751	752	751	749	749	748	750	750	750	748	747	740	733	730	734	740	744	742	739	746
29	754	752	750	745	747	749	746	745	739	743	720	728	717	720	747	746	734	724	731	731	734	738	746	744	739
30	749	747	793	794	759	743	740	744	781	656	685	550	696	769	771	760	737	732	739	735	735	748	751	747	736
31 D	754	752	750	750	746	728	764	766	739	704	700	686	628	346	667	747	670	708	681	675	757	724	733	745	705
Mean	744	745	749	750	752	745	745	736	706	704	699	700	692	682	690	690	690	713	715	717	722	725	732	739	720

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook D = 25°E + ... ′ January 1940

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	46.3	45.8	46.0	52.0	47.1	48.8	49.3	43.7	45.9	46.8	49.9	49.3	52.8	51.1	53.7	52.7	49.7	49.2	45.5	45.4	41.6	37.3	40.1	45.1	47.3
2	45.3	42.9	46.2	48.9	51.1	47.9	50.2	50.7	52.3	56.6	57.0	55.0	56.7	63.5	62.8	57.5	52.1	50.5	48.0	47.3	46.3	45.0	45.6	44.7	51.0
3 D	44.6	45.8	49.6	51.0	51.6	51.6	50.1	51.5	54.6	72.3	110.6	59.4	71.7	65.0	48.0	36.7	49.5	44.4	44.4	42.7	44.5	44.4	47.6	49.0	53.4
4	48.0	47.9	48.6	51.2	55.7	48.9	52.5	51.8	47.0	49.9	49.2	47.3	43.3	39.4	45.5	52.7	51.6	49.8	48.1	49.2	43.6	42.4	44.7	47.3	48.2
5	46.8	48.1	47.6	49.0	82.3	46.8	47.6	45.6	47.3	48.5	48.8	47.6	48.0	48.1	48.5	49.7	51.2	50.7	50.1	50.1	48.2	46.6	47.0	46.0	49.6
6	46.3	47.9	52.5	50.1	51.9	58.4	47.9	50.7	50.2	51.8	50.5	45.4	53.3	35.9	43.0	47.9	43.4	37.8	38.5	44.6	42.7	45.4	47.6	48.1	47.2
7	46.2	52.8	46.6	46.0	46.8	51.8	45.6	49.4	52.0	50.3	55.8	57.7	46.8	41.4	36.7	48.1	50.2	48.6	49.2	47.9	45.9	46.6	48.6	45.6	48.2
8	45.6	47.2	53.1	55.4	51.1	50.8	48.6	46.4	47.3	47.7	47.3	46.2	45.6	46.3	47.0	48.2	49.3	48.5	49.4	48.2	47.0	46.7	46.3	48.4	48.2
9	46.3	47.9	47.6	48.0	48.1	47.3	47.1	45.5	46.7	47.6	48.1	47.1	46.8	45.9	49.3	52.8	50.6	49.6	45.5	46.8	39.2	40.4	44.0	46.3	46.8
10 D	47.7	49.9	48.1	50.7	50.5	46.8	46.3	47.9	47.0	48.4	48.8	50.5	63.8	87.9	74.4	51.8	38.2	46.8	41.8	38.0	42.7	44.2	44.0	46.3	50.1
11 D	47.6	47.9	49.2	47.6	83.9	43.7	44.0	47.6	41.6	54.0	39.0	56.0	49.7	48.1	47.0	51.0	48.0	51.6	52.2	45.4	40.1	44.5	43.7	41.6	48.5
12	42.0	45.6	49.4	57.4	49.0	44.6	45.1	40.2	46.8	43.4	50.8	48.5	58.0	47.2	52.4	53.2	46.8	40.7	43.4	43.7	44.4	42.4	41.8	46.7	46.8
13	47.6	47.7	49.3	57.0	52.0	48.4	48.1	47.9	44.4	45.4	49.2	50.5	50.8	49.7	49.8	52.0	53.5	51.0	48.9	45.9	44.1	44.0	45.0	46.7	48.7
14 Q	46.3	47.6	48.2	48.2	47.6	46.6	46.3	46.4	45.4	44.2	46.0	52.4	50.3	50.7	49.8	49.8	49.6	47.3	46.4	44.5	41.2	39.8	40.8	42.0	46.6
15	42.0	39.0	42.3	47.3	48.1	47.2	46.8	46.3	43.4	49.6	50.8	51.2	51.5	52.2	52.0	48.4	49.7	50.0	48.9	46.7	44.4	43.4	44.5	45.5	47.1
16	44.7	45.0	46.2	45.8	45.9	47.0	46.4	66.8	30.3	52.0	51.2	49.6	54.6	51.9	42.7	50.8	47.6	49.0	45.9	44.7	43.4	42.8	45.1	46.0	47.3
17	46.6	49.6	47.1	51.4	47.5	47.9	57.5	47.2	44.2	46.4	49.2	48.0	48.2	55.7	36.9	55.4	51.5	35.5	37.8	42.1	42.5	45.3	42.3	45.1	46.7
18 D	46.4	47.2	48.1	48.7	48.2	47.4	48.1	46.5	38.5	45.5	47.7	48.0	49.5	57.8	54.6	54.2	48.6	52.6	26.8	26.9	37.4	43.8	49.3	50.3	46.3
19	49.3	49.0	48.7	48.3	47.4	47.6	47.8	47.7	48.1	48.3	46.5	49.5	43.9	48.1	50.6	52.3	51.2	51.2	48.3	47.8	46.3	46.7	46.8	47.7	48.3
20	47.6	47.6	47.6	47.1	47.7	48.2	48.5	48.7	46.9	48.1	48.5	48.3	46.9	46.8	48.5	47.7	51.2	48.0	46.8	43.5	43.0	42.8	45.9	48.0	47.2
21 Q	46.1	46.7	46.4	46.5	45.7	45.9	46.3	46.4	47.4	46.1	48.5	48.3	46.1	45.7	47.7	49.0	50.2	49.5	48.9	46.0	42.9	43.1	45.1	46.3	46.7
22	46.3	46.4	47.1	46.9	46.9	47.3	46.5	46.7	46.9	46.8	48.6	48.7	52.5	50.7	49.9	51.6	50.7	46.8	46.1	39.0	42.2	43.7	46.7	46.4	47.1
23	45.8	45.8	46.5	46.5	46.6	46.8	48.8	40.6	46.9	46.9	40.5	44.3	47.8	45.7	49.1	50.5	49.1	48.8	48.1	47.3	43.8	39.0	41.6	42.7	45.8
24	43.1	43.9	44.6	44.3	42.9	43.6	44.3	43.9	43.6	46.9	48.8	50.4	52.7	57.3	56.8	56.9	50.5	44.4	44.6	46.5	34.2	35.2	43.6	46.6	46.2
25	44.2	45.5	46.4	45.6	47.4	48.3	48.2	39.2	28.7	51.4	52.0	49.2	50.7	51.0	59.5	54.2	52.0	47.8	46.2	46.6	44.4	43.0	44.3	45.2	47.1
26 Q	44.6	45.3	46.4	46.8	47.3	46.9	46.9	46.8	46.9	46.9	46.9	46.8	46.8	47.2	48.1	49.5	50.1	49.2	47.9	47.4	44.9	41.4	41.6	43.2	46.5
27 Q	43.9	46.0	46.6	47.2	46.2	46.9	52.4	42.3	44.4	46.2	47.2	47.9	47.8	47.7	47.9	48.4	46.8	47.5	46.5	46.6	45.2	44.2	44.2	44.8	46.4
28 Q	45.0	45.3	44.8	45.2	45.8	46.3	45.3	43.6	45.2	45.3	46.5	47.1	47.8	47.9	47.9	48.4	48.3	47.1	45.3	44.4	43.6	43.5	44.6	44.4	45.8
29	45.7	44.0	44.3	46.1	45.8	45.6	45.7	45.6	47.1	54.3	56.2	61.2	62.7	68.3	66.6	62.1	52.6	39.2	35.5	36.2	39.2	42.4	42.6	44.5	48.9
30	40.1	40.9	41.7	47.4	45.7	44.7	45.0	46.5	50.4	49.7	59.2	73.3	65.3	55.1	53.5	46.9	42.4	44.4	43.9	42.8	44.1	41.5	42.7	44.0	48.0
31 D	46.2	46.0	47.0	47.9	48.4	49.5	45.3	52.1	47.3	44.9	45.9	49.5	49.2	60.0	61.2	58.4	45.8	48.0	40.7	45.9	44.9	40.6	40.7	42.1	47.8
Mean	45.6	46.4	47.2	48.8	50.4	47.7	47.7	47.2	45.6	49.1	51.1	50.8	51.7	51.9	51.0	51.2	49.1	47.3	45.1	44.5	43.2	43.0	44.5	45.7	47.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Meanook $Z = 59,000\ \gamma +$ January 1940

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	203	207	207	223	223	217	221	220	226	217	207	206	195	194	189	195	206	205	200	202	202	204	223	218	209
2	240	285	309	281	273	158	186	142	096	136	161	156	117	088	151	197	198	204	206	211	214	215	223	237	195
3 D	232	237	249	302	310	279	222	161	094	162	066	002	-009	081	045	432	-167	116	209	212	224	225	229	231	173
4	236	233	236	239	242	215	214	191	150	208	209	133	094	093	135	091	168	177	189	202	214	215	215	213	188
5	211	213	223	255	241	227	204	208	199	198	197	197	194	195	196	199	200	199	200	201	202	204	208	216	208
6	221	249	238	240	259	248	243	233	196	148	096	116	011	030	110	115	144	192	174	220	202	206	211	225	180
7	218	222	205	201	196	194	187	181	145	138	095	086	126	095	109	168	169	169	185	193	192	192	214	221	171
8	220	219	226	225	225	205	201	208	205	202	196	195	195	194	193	194	198	195	198	204	204	210	208	207	205
9	214	209	205	205	204	205	199	198	197	197	189	137	106	147	193	181	191	202	194	213	215	209	220	209	193
10 D	227	223	223	222	205	207	210	203	184	194	176	134	072	049	051	116	043	137	211	230	237	229	227	227	176
11 D	230	224	222	234	235	214	236	200	138	127	060	119	179	188	206	191	174	189	193	192	237	263	254	254	198
12	259	285	294	268	259	199	104	202	171	197	192	187	121	206	175	174	200	180	195	214	226	254	245	234	210
13	232	235	233	239	230	223	222	224	208	182	205	211	205	208	209	213	209	206	210	214	216	215	214	214	216
14 Q	217	212	210	208	204	204	206	204	199	175	159	188	203	198	195	192	190	195	201	202	205	208	209	217	200
15	236	255	259	236	213	208	209	212	195	187	185	169	169	195	196	196	199	205	206	205	205	205	203	203	206
16	207	207	213	216	215	214	209	194	075	117	143	201	186	168	182	188	189	197	200	218	215	215	218	221	192
17	231	230	251	239	207	208	206	185	206	196	186	173	121	-035	-046	108	155	131	167	201	207	206	219	217	174
18 D	224	211	206	201	200	209	208	172	088	181	180	130	091	068	096	127	201	222	254	223	210	210	209	213	181
19	216	215	214	213	208	205	204	204	199	199	148	151	171	181	199	199	194	199	202	205	205	206	207	205	198
20	208	207	207	208	214	212	208	202	187	182	194	194	192	180	180	196	187	187	199	201	206	206	205	203	198
21 Q	207	206	202	202	202	202	204	205	204	191	184	173	181	193	196	197	199	201	202	200	200	205	206	205	199
22	209	206	205	204	206	208	209	208	201	172	194	170	141	152	187	188	188	186	198	189	191	200	200	198	192
23	201	200	201	201	203	205	232	222	225	218	159	149	191	188	180	187	191	194	198	198	195	194	198	199	197
24	217	223	223	235	246	229	229	238	230	203	184	163	111	148	170	157	128	152	182	190	178	201	206	213	194
25	231	227	265	299	271	248	233	194	117	200	232	223	211	112	089	194	187	211	211	210	212	212	211	212	209
26 Q	219	219	218	217	217	216	216	216	216	216	216	215	214	213	213	213	213	214	215	215	215	209	211	214	215
27 Q	223	223	224	224	225	237	206	228	229	227	225	217	215	214	212	211	211	211	214	214	215	219	219	218	219
28 Q	223	223	223	223	223	223	224	228	227	225	224	223	223	222	222	222	222	220	220	220	218	217	216	217	222
29	227	231	234	237	237	237	238	241	243	233	215	208	189	155	164	154	131	130	135	158	200	217	220	222	202
30	241	274	323	309	250	228	236	246	177	072	161	090	123	217	225	204	219	223	223	224	223	225	236	235	216
31 D	243	244	244	247	247	240	153	160	216	186	182	157	140	-007	104	212	161	235	242	259	327	277	265	298	210
Mean	223	228	232	234	229	217	209	204	182	183	175	164	151	146	159	187	171	190	201	208	213	215	218	220	198

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook — January 1940

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	07	02	761	20	49	704	57	14	56	56.4	20	58	36.9	19.5	03	24	237	13	47	179	58
2	03	12	913	08	38	546	367	13	28	68.3	05	05	28.8	39.5	03	04	336	13	33	64	272
3 D	06	21	842	15	00	-068	910	10	36	149.0	15	59	-24.2	173.2	15	30	755	15	20	-506	1261
4	16	48	782	11	39	460	322	15	17	74.6	15	46	28.1	46.5	04	12	277	15	13	16	261
5	04	09	1048	23	52	704	344	04	16	106.9	04	52	41.8	65.1	04	04	342	04	37	65	277
6	05	24	784	12	28	543	241	04	57	70.6	13	37	26.1	44.5	02	43	283	12	36	-47	330
7	23	33	777	14	08	495	282	12	31	60.9	14	39	19.8	41.1	23	28	241	14	06	04	237
8	05	23	775	15	00	706	69	05	23	74.4	05	38	35.0	39.4	05	20	269	05	28	126	143
9	22	51	778	12	44	643	135	17	43	60.3	20	46	35.9	24.4	20	04	232	12	46	64	168
10 D	20	14	783	14	36	-061	844	14	33	143.2	14	08	17.7	125.5	13	43	373	14	30	-163	536
11 D	04	27	872	08	28	324	548	04	42	81.1	10	22	23.4	57.7	04	19	312	09	18	10	302
12	05	56	909	12	10	460	449	08	09	94.1	06	28	-31.0	125.1	04	23	339	06	27	-97	242
13	03	53	767	09	04	673	94	03	43	62.6	08	52	35.1	27.5	03	35	246	09	05	163	83
14 Q	23	08	752	10	00	671	81	11	30	54.1	22	00	39.0	15.1	23	10	220	10	13	125	95
15	02	52	757	12	01	705	52	14	16	54.1	08	19	37.3	16.8	02	30	265	11	57	155	110
16	15	40	782	08	15	538	244	07	25	75.9	08	15	15.8	60.1	23	46	234	08	17	14	220
17	06	49	786	13	44	341	445	13	23	65.7	14	18	05.1	60.6	02	30	263	13	59	-132	395
18 D	13	58	850	16	50	252	598	15	37	89.4	18	34	08.6	80.8	18	36	325	08	17	-23	348
19	01	02	802	10	30	623	179	16	23	54.6	12	52	33.1	21.5	01	01	241	10	32	115	126
20	23	10	741	19	29	690	51	16	44	56.5	09	03	39.6	16.9	05	05	221	08	52	155	66
21 Q	11	28	746	18	17	711	35	16	48	52.4	20	53	41.3	11.1	00	28	208	09	49	155	53
22	22	54	766	17	34	702	64	12	42	53.7	19	18	36.4	17.3	18	33	220	12	06	133	87
23	06	40	868	10	24	581	87	11	02	52.4	10	33	32.6	19.8	07	50	258	11	02	62	196
24	08	33	779	12	13	612	167	15	08	60.2	20	42	28.6	31.6	04	04	267	12	16	57	210
25	08	00	830	13	59	527	303	14	28	63.7	08	36	08.8	54.9	03	24	326	13	52	18	308
26 Q	00	00	754	19	50	717	33	16	30	50.8	21	51	39.5	11.3	00	58	224	21	59	207	17
27 Q	06	01	798	18	45	723	75	01	59	61.8	07	40	39.0	22.8	05	57	249	06	16	172	77
28 Q	02	03	762	19	39	725	37	16	31	50.5	08	10	43.2	7.3	07	33	231	20	52	216	15
29	14	43	776	12	59	679	97	13	36	70.5	18	38	31.3	39.2	05	48	243	16	42	103	140
30	08	39	896	11	38	482	414	11	33	83.7	21	53	35.8	47.9	02	57	345	09	34	-07	352
31 D	06	25	855	13	18	192	663	13	33	83.8	06	40	20.7	63.1	20	41	354	13	43	-44	398
Mean			809			535	274			72.1			26.1	46.0			288			44	244
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 1940

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	846	842	758	793	761	748	620	674	413	536	663	342	512	691	680	711	701	667	685	689	718	729	745	761	678
2 D	779	752	766	762	752	747	740	638	577	715	749	732	722	708	701	722	744	731	709	709	710	727	730	745	724
3 D	743	749	750	750	750	748	747	748	718	652	685	722	680	674	669	689	714	701	740	734	734	754	746	744	722
4	750	752	753	753	752	752	758	758	753	752	752	747	737	750	731	734	709	715	734	730	722	732	738	741	742
5	742	746	748	748	746	747	753	750	749	738	711	710	757	750	712	715	752	743	729	722	716	718	734	743	737
6	742	737	740	738	738	747	746	742	749	722	724	722	753	757	739	746	739	719	692	706	699	697	722	755	732
7	774	752	754	746	740	739	745	741	738	737	720	703	690	706	627	711	730	742	738	732	728	725	734	743	729
8	748	731	756	752	750	755	756	746	734	699	697	755	746	745	735	721	729	727	728	716	700	700	733	740	733
9	766	768	774	792	776	754	758	754	736	720	733	731	734	730	744	729	740	732	723	721	722	728	730	734	743
10	737	744	743	741	742	741	741	741	739	740	735	746	748	747	744	739	734	724	709	711	712	722	719	720	734
11	734	742	751	749	746	738	736	740	740	729	705	737	746	738	730	745	733	721	710	686	674	701	729	738	729
12 D	747	739	735	774	768	761	757	739	739	731	722	689	711	581	667	680	737	738	730	728	732	734	733	737	725
13	741	733	736	742	741	737	736	744	742	727	738	742	727	703	737	748	744	735	722	724	716	721	724	730	733
14 Q	737	746	745	745	750	747	745	744	735	690	626	699	720	746	744	742	735	735	735	734	735	736	735	727	730
15	737	746	747	749	748	749	750	747	739	686	710	734	721	674	729	751	749	743	735	737	732	739	740	745	735
16	754	744	748	748	744	741	754	747	744	732	674	715	747	752	749	744	727	730	732	724	720	723	722	730	735
17 Q	739	746	745	745	743	740	739	735	745	741	737	707	717	754	751	747	742	733	728	730	729	730	733	738	737
18 Q	740	744	746	746	744	743	741	735	742	746	748	750	751	753	754	754	753	746	742	739	742	740	735	739	745
19 Q	742	745	752	753	753	753	753	753	753	753	754	749	758	754	753	753	753	748	742	739	734	733	741	744	748
20	743	752	898	883	789	761	787	816	771	749	741	741	726	708	697	708	733	744	741	729	709	734	741	743	756
21	752	754	779	779	799	763	765	762	670	581	523	504	524	669	713	715	688	731	734	735	733	728	724	736	702
22	732	750	739	793	779	768	757	714	666	733	712	656	683	703	726	728	727	722	714	726	727	728	735	736	727
23	740	745	759	756	750	774	757	750	751	736	728	716	721	726	729	736	735	734	729	710	694	731	727	753	737
24	837	775	773	761	810	818	812	760	752	750	745	742	740	735	726	720	703	713	720	720	719	719	748	728	751
25 D	760	775	835	911	913	1020	988	874	735	287	319	393	296	193	394	586	638	683	743	763	741	743	742	742	670
26	737	737	736	748	747	748	742	740	737	733	734	733	736	737	733	729	720	722	724	711	710	724	736	734	733
27 Q	737	741	739	736	748	749	742	740	736	737	739	747	740	732	747	748	738	737	729	730	728	732	735	734	738
28	738	745	748	747	750	752	749	751	751	745	730	749	755	753	750	749	746	739	721	725	728	730	725	737	742
29	751	754	754	749	749	741	745	753	750	754	737	750	730	713	742	747	718	753	749	734	732	729	733	741	742
30																									
31																									
Mean	753	751	759	765	761	761	756	746	721	702	700	695	701	703	712	726	728	728	726	724	721	727	733	739	731

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook D = 25°E + ... ' February 1940

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	39.3	44.7	44.4	51.5	55.1	50.8	21.1	37.5	31.4	21.1	53.1	49.9	57.5	51.5	57.0	52.3	49.6	46.3	39.5	49.5	40.1	38.5	36.9	44.0	44.3
2 D	50.2	46.3	50.2	48.7	55.3	52.1	47.9	38.9	45.8	52.7	47.6	51.5	48.5	41.1	49.9	47.1	51.5	48.5	46.2	44.5	42.4	42.7	44.0	45.7	47.5
3 D	48.6	45.5	46.4	47.0	47.7	47.4	49.6	48.4	44.1	54.5	59.4	53.7	54.1	37.2	32.7	34.7	45.6	49.7	44.9	46.7	45.1	44.1	44.6	46.0	46.6
4	46.0	46.2	46.4	46.7	47.0	48.9	46.6	47.0	45.9	46.3	46.4	47.0	46.0	47.2	46.6	49.4	48.4	43.8	46.7	45.4	44.4	44.1	44.8	45.0	46.3
5	45.4	46.4	45.9	46.0	46.2	48.1	50.9	45.9	47.2	47.5	44.5	43.7	46.8	47.2	43.8	42.0	48.9	47.2	44.8	43.6	42.2	41.8	42.2	46.4	45.6
6	45.4	44.4	45.5	45.5	46.3	46.4	46.6	51.0	54.5	46.4	47.7	46.6	51.0	49.4	49.3	50.2	50.6	54.4	44.8	39.3	41.8	39.0	40.3	45.1	46.7
7	43.8	52.9	46.8	47.3	47.1	46.5	48.6	49.8	46.5	46.9	47.2	46.9	50.1	51.7	52.9	47.7	50.7	49.1	48.0	44.6	45.2	45.6	46.3	46.5	47.9
8	43.9	48.1	46.5	45.1	46.0	49.8	48.1	48.4	39.3	47.5	45.9	48.4	49.0	49.1	50.3	49.8	49.4	48.1	45.8	47.2	42.9	39.4	42.1	42.3	46.4
9	44.9	43.3	42.1	50.1	48.1	46.1	50.4	48.6	48.0	50.3	48.4	49.3	49.0	49.1	48.6	52.0	50.1	48.5	47.8	45.8	44.6	44.1	44.2	44.1	47.4
10	44.9	43.3	45.5	45.4	46.4	46.5	47.7	47.2	47.5	48.1	48.5	49.0	48.7	48.1	48.7	50.4	49.9	48.7	46.1	39.8	40.2	40.3	40.7	43.5	46.0
11	46.4	47.4	48.2	49.0	46.9	47.6	49.1	46.6	48.2	51.2	53.1	60.9	57.6	51.2	52.1	53.4	50.2	49.5	49.8	46.0	40.4	39.0	40.0	38.1	48.4
12 D	33.0	41.3	46.2	43.8	45.5	49.2	50.4	47.4	48.2	48.5	49.2	45.2	51.2	57.3	44.6	43.9	44.7	46.8	46.1	44.2	44.3	44.4	46.2	45.5	46.1
13	46.2	45.6	45.9	47.0	46.4	46.9	48.5	47.8	49.1	47.3	47.0	50.2	50.3	43.9	48.6	53.0	53.0	50.0	46.4	44.0	41.0	44.3	48.2	50.5	47.5
14 Q	47.5	46.0	46.9	46.8	47.3	47.4	46.2	46.9	47.8	48.3	45.1	50.4	47.5	48.0	47.7	49.6	49.2	48.6	46.9	46.2	45.7	45.4	45.1	46.0	47.2
15	45.1	46.1	49.2	46.0	46.9	46.9	46.5	47.1	48.0	46.0	55.2	56.4	48.2	42.8	47.3	50.5	51.9	51.3	48.7	45.1	44.1	43.6	45.1	44.8	47.6
16	45.2	46.1	46.3	46.9	46.7	50.0	48.4	47.0	47.0	47.0	42.3	47.4	50.1	49.7	49.6	49.3	44.9	43.7	46.0	45.7	45.6	44.8	45.8	46.3	46.7
17 Q	46.9	47.0	46.9	47.7	48.9	48.3	48.6	50.6	50.1	47.7	49.3	42.7	45.3	48.9	50.3	51.4	50.4	48.0	46.6	47.0	47.0	46.9	47.0	46.7	47.9
18 Q	45.7	45.7	46.3	46.7	47.0	46.6	48.7	48.2	48.0	47.5	48.0	47.8	47.5	47.3	47.9	48.2	48.8	48.4	48.3	46.2	46.0	46.7	47.0	46.3	47.3
19 Q	45.4	46.1	46.4	46.7	47.0	47.1	47.1	47.1	47.1	47.8	49.3	47.8	50.2	48.7	48.9	49.2	50.4	49.7	49.2	48.9	47.9	46.4	44.2	42.3	47.5
20	53.7	53.5	59.1	56.5	57.6	61.7	44.9	42.4	47.6	48.5	48.7	49.4	51.0	47.6	45.1	51.0	50.4	46.6	48.0	47.6	42.4	43.2	45.2	44.8	49.4
21	45.8	44.1	37.9	45.8	44.4	47.8	46.4	43.3	44.4	44.8	65.8	69.5	65.2	68.0	44.2	47.8	42.4	43.5	43.6	45.9	46.4	45.7	45.4	44.1	48.4
22	45.0	44.2	43.6	42.0	45.5	46.4	50.2	37.0	53.0	52.6	54.0	56.1	56.7	54.1	53.2	53.9	52.3	47.0	43.3	42.9	43.2	42.7	43.7	43.5	47.8
23	43.3	42.8	44.5	43.6	44.6	38.1	46.9	44.5	45.8	47.5	49.5	54.2	54.0	52.4	53.7	49.9	49.8	49.5	49.7	46.9	40.0	43.6	43.9	41.3	46.7
24	40.7	36.9	37.8	41.5	34.9	45.5	39.9	42.7	43.8	44.6	48.0	50.6	51.1	51.7	52.7	52.4	51.7	44.2	46.3	44.6	41.3	41.2	35.4	33.8	43.9
25 D	32.3	37.8	36.8	41.7	44.5	26.4	30.8	41.4	44.3	50.5	71.9	85.5	72.9	62.8	43.8	28.7	38.7	41.2	46.7	49.3	49.3	51.4	50.5	49.3	47.0
26	49.8	48.5	47.7	47.7	47.9	47.9	47.9	47.9	48.1	48.9	49.1	49.5	50.1	50.3	52.8	53.4	51.2	50.5	48.8	44.7	43.8	43.6	45.3	46.3	48.4
27 Q	45.1	45.9	45.9	46.0	62.1	47.7	46.2	45.8	46.3	47.2	47.1	47.9	47.5	47.2	48.8	51.5	51.5	50.5	48.5	45.8	44.7	45.1	45.0	45.9	47.7
28	44.0	43.9	44.0	46.4	46.3	46.3	46.4	46.0	46.0	48.1	49.1	47.3	49.2	48.9	47.7	48.3	47.7	47.4	48.2	45.7	43.9	43.7	43.7	44.3	46.4
29	44.0	44.0	44.4	45.2	45.9	49.9	50.4	46.4	48.9	47.3	48.0	48.3	49.2	37.6	41.8	43.4	42.1	46.8	48.3	46.6	46.4	45.9	44.7	44.3	45.8
30																									
31																									
Mean	44.7	45.3	45.6	46.6	47.6	47.2	46.2	45.8	46.6	47.3	50.3	51.5	51.6	49.3	48.3	48.4	48.8	47.8	46.7	45.5	43.9	43.7	44.0	44.6	47.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook $Z = 59,000\ \gamma +$ February 1940

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	369	317	285	328	261	268	070	179	-015	142	174	028	089	239	234	258	238	259	289	294	314	298	283	299	229
2 D	299	270	275	262	269	258	258	110	100	163	248	239	229	199	210	251	247	237	247	267	262	267	265	274	238
3 D	281	270	265	267	260	260	258	247	203	125	098	182	168	174	183	154	216	237	280	267	264	273	282	281	229
4	273	270	267	265	267	270	269	262	260	257	257	257	249	254	255	242	245	254	239	251	257	264	270	275	260
5	266	265	263	262	262	266	266	260	258	245	215	223	258	248	230	230	250	252	255	258	261	267	277	296	256
6	294	285	292	293	283	277	282	270	251	236	229	214	242	249	250	264	257	247	236	239	253	269	285	323	263
7	320	329	279	273	277	275	282	242	255	245	232	211	197	214	214	220	230	240	249	255	264	271	274	274	255
8	286	287	286	282	287	291	297	284	245	243	201	257	263	260	260	255	259	247	260	263	263	276	292	309	269
9	327	324	323	337	352	329	310	307	278	259	262	256	251	248	266	251	258	258	262	266	265	266	265	265	283
10	262	268	269	267	267	265	265	262	258	256	249	253	253	254	254	253	256	257	256	256	259	260	263	261	259
11	270	264	264	256	249	249	250	249	237	236	164	190	224	236	218	238	240	243	245	249	261	282	307	315	247
12 D	314	319	278	296	306	288	283	273	258	246	241	215	200	116	121	129	206	238	240	238	240	243	244	246	241
13	245	250	247	248	246	244	257	241	222	215	207	230	216	169	178	213	229	233	237	240	243	246	251	256	232
14 Q	253	248	241	244	246	243	242	241	230	162	066	145	208	229	237	237	239	239	239	239	242	242	242	240	225
15	243	244	248	242	240	240	239	241	215	089	146	203	200	166	182	220	223	230	232	234	237	233	230	229	217
16	236	234	234	234	237	239	231	234	232	205	133	143	211	224	227	225	222	220	220	225	233	237	237	235	221
17 Q	230	230	230	230	238	240	237	225	193	217	216	175	167	215	218	218	218	219	222	224	225	226	228	228	220
18 Q	224	225	224	224	223	224	225	224	224	223	224	224	222	222	223	222	222	221	220	221	222	224	223	222	223
19 Q	220	221	221	221	222	223	223	224	225	224	218	210	215	223	225	225	225	223	223	224	225	219	218	218	221
20	222	247	253	323	308	262	168	237	258	229	225	218	209	190	158	178	190	197	206	210	211	224	226	233	224
21	253	275	267	298	293	275	264	222	170	101	087	145	064	124	203	190	177	194	210	222	227	233	230	236	207
22	231	238	268	298	309	300	274	104	135	227	207	147	150	177	197	193	195	196	200	207	224	226	239	243	216
23	258	257	258	243	241	288	285	262	266	261	243	234	216	218	224	233	237	235	233	232	250	281	272	287	251
24	338	295	302	302	327	323	305	283	270	255	240	230	220	210	200	190	179	193	222	234	240	246	265	262	255
25 D	281	314	337	294	305	351	320	244	262	139	-050	-084	047	013	-092	004	097	170	217	253	243	242	246	242	183
26	244	247	245	243	243	243	242	238	238	241	243	241	243	242	244	243	242	246	251	249	267	254	252	246	245
27 Q	237	237	250	252	253	254	238	234	233	231	224	236	229	229	232	237	237	239	240	239	235	235	237	237	238
28	224	225	227	234	233	226	227	226	225	213	167	191	219	219	221	220	215	214	216	219	224	230	231	231	220
29	226	228	227	226	225	232	241	221	209	207	181	178	151	099	167	214	199	212	220	223	230	231	229	226	208
30																									
31																									
Mean	266	265	263	267	266	266	252	236	220	210	191	193	200	202	205	214	222	229	237	241	246	250	254	258	236

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Meanook — February 1940

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	00	37	894	11	52	-016	910	12	22	77.5	06	28	-09.3	86.8	00	40	380	08	38	-240	620
2 D	02	50	841	08	17	466	375	04	16	67.4	08	07	18.0	49.4	00	46	309	07	41	-21	330
3 D	07	06	770	09	33	614	156	10	17	70.1	15	03	25.9	44.2	22	45	297	10	02	45	252
4	05	56	763	16	58	695	68	15	42	52.3	17	20	41.5	10.8	23	00	285	17	23	221	64
5	12	14	764	14	55	675	89	06	24	56.1	15	00	36.6	19.5	23	29	314	11	02	198	116
6	23	27	776	21	29	653	123	08	24	62.8	19	13	34.5	28.3	23	32	349	11	19	191	158
7	00	18	800	14	30	569	231	14	08	60.5	00	53	38.2	22.3	01	00	360	14	09	168	192
8	08	17	791	09	52	621	170	05	52	55.5	08	29	29.1	26.4	24	00	358	10	28	160	198
9	00	06	862	09	18	701	161	03	50	62.3	06	59	35.7	26.6	00	07	400	13	29	240	160
10	01	17	752	22	52	697	55	17	02	54.6	19	08	38.3	16.3	01	20	271	10	45	236	35
11	23	36	783	10	23	663	120	11	16	63.3	23	48	33.2	30.1	23	32	348	10	48	104	244
12 D	03	52	812	13	47	489	323	13	18	65.1	00	16	29.1	36.0	00	56	336	13	39	74	262
13	07	57	767	13	45	677	90	08	06	57.3	13	14	37.8	19.5	06	15	261	13	55	118	143
14 Q	04	46	756	10	27	579	77	09	53	58.7	10	11	40.5	18.2	00	38	265	10	24	-01	266
15	10	47	762	13	19	590	172	11	00	60.7	09	48	31.4	29.3	02	49	255	09	56	-08	263
16	06	27	764	10	50	621	143	05	33	59.7	10	22	39.1	20.6	05	41	244	10	45	72	172
17 Q	13	06	763	11	54	672	91	15	43	54.8	11	42	37.0	17.8	04	32	243	11	54	133	110
18 Q	15	30	754	07	47	730	24	06	23	51.5	09	51	44.7	6.8	00	30	225	18	20	218	07
19 Q	12	16	761	20	59	729	32	16	45	51.1	23	17	41.2	9.9	09	20	225	11	55	205	20
20	02	34	1074	14	09	678	396	03	17	62.0	03	34	37.2	24.8	03	54	357	06	51	52	305
21	07	06	814	11	36	397	417	11	38	84.4	07	52	34.4	50.0	03	18	316	12	12	-12	328
22	07	33	864	07	59	500	364	08	09	63.2	07	46	08.1	55.1	03	38	341	07	47	-56	397
23	05	34	797	20	33	685	112	11	46	59.2	05	38	19.9	39.3	05	59	333	12	28	208	125
24	00	26	957	16	51	688	69	16	28	57.6	06	12	28.0	29.6	00	26	379	15	50	174	205
25 D	05	17	1132	09	56	-053	1185	12	07	122.1	09	53	-01.5	123.6	04	58	381	09	56	-242	623
26	18	42	760	18	37	674	86	18	36	56.4	19	31	37.8	18.6	20	23	282	18	37	220	62
27 Q	04	16	760	13	29	724	36	04	16	75.8	10	10	43.6	32.2	04	11	286	10	24	222	64
28	11	58	759	21	59	717	42	10	42	53.8	11	11	42.4	11.4	03	53	250	10	25	40	210
29	17	34	769	13	06	678	91	18	39	57.4	13	00	30.7	26.7	06	27	257	13	07	67	190
30																					
31																					
Mean			814			590	224			63.2			31.1	32.1			307			96	211
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 1940

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	750	753	750	750	750	736	750	748	739	751	740	725	721	750	745	751	749	733	729	730	733	731	733	738	741
2	749	750	750	749	742	753	750	750	750	744	749	750	756	763	766	762	750	742	738	732	731	729	733	739	747
3	746	747	741	742	741	735	747	752	749	744	723	759	755	756	752	737	734	725	723	722	729	724	735	740	740
4	751	755	757	753	755	757	755	755	753	755	759	762	760	757	736	763	752	739	725	718	719	726	733	733	747
5	737	741	745	744	752	749	750	750	752	748	738	728	753	756	756	756	747	735	723	719	722	729	734	738	742
6 Q	745	746	751	752	756	756	750	756	757	757	758	760	761	762	763	760	748	738	731	728	734	736	738	741	749
7 Q	751	756	757	754	755	754	754	753	751	750	752	752	753	746	757	762	754	738	726	725	732	735	745	746	748
8	757	747	751	750	755	748	754	764	747	744	742	743	739	745	747	745	737	725	721	721	718	724	759	801	745
9	826	947	967	762	889	919	832	729	692	637	559	571	651	659	699	719	719	698	705	709	714	709	715	707	739
10	745	747	757	757	751	757	757	766	762	747	734	730	739	731	729	733	731	727	726	728	722	724	729	733	740
11 Q	736	746	747	748	751	753	750	749	748	750	748	748	744	742	739	746	745	734	726	727	734	735	732	733	742
12	740	752	753	754	753	754	755	758	758	761	765	765	769	766	762	747	713	685	675	681	691	731	811	793	746
13	735	757	760	745	738	737	751	730	698	627	635	634	728	757	738	733	728	729	727	727	723	739	721	717	721
14	729	733	740	746	751	736	674	714	590	539	718	756	749	748	745	734	738	721	718	712	710	711	726	734	716
15 Q	739	746	746	747	748	748	748	748	748	748	748	751	750	752	756	757	746	736	721	718	716	718	723	728	741
16	744	749	751	755	755	757	760	755	755	755	748	752	758	755	762	749	737	726	724	721	705	716	717	713	742
17	727	734	745	747	749	747	746	747	740	734	738	755	758	758	756	753	746	734	729	728	723	723	729	734	741
18 Q	737	742	743	745	746	749	751	752	752	754	754	754	756	755	754	753	745	733	722	722	722	724	734	743	743
19	749	753	753	753	768	789	817	786	742	667	735	768	775	743	709	652	697	658	640	687	724	761	761	795	737
20	779	773	818	954	882	800	777	636	577	529	475	417	644	725	707	749	731	719	694	715	699	710	747	753	709
21	762	750	738	758	751	757	740	742	735	724	739	742	747	729	690	729	744	724	726	714	721	732	744	744	737
22	751	750	741	737	738	739	743	746	750	755	751	750	749	750	746	742	732	728	726	722	707	733	711	721	738
23	730	733	741	749	753	781	790	797	738	470	508	707	684	698	730	762	711	739	724	738	739	794	905	1111	743
24 D	1013	1000	953	866	698	573	861	445	539	604	400	539	724	630	-547	-387	-066	385	657	602	769	1085	1041	962	598
25 D	906	544	684	479	337	267	595	511	538	-228	-211	142	447	616	765	773	765	709	729	692	734	843	891	1047	566
26	1063	1068	1075	906	671	639	673	682	682	668	712	704	705	716	716	711	706	695	682	668	702	719	717	720	750
27	764	803	903	880	847	760	709	695	672	654	592	663	705	710	721	733	737	720	706	696	705	698	739	737	731
28	779	816	809	769	743	694	697	705	720	714	689	569	669	649	599	697	691	701	710	698	708	721	714	727	708
29 D	738	731	727	735	737	729	731	728	714	544	299	247	223	478	376	205	117	202	535	731	690	777	857	993	577
30 D	1000	884	426	572	019	493	850	405	-286	131	281	-028	-051	067	262	-016	096	614	705	752	753	816	887	885	438
31 D	1111	1051	852	808	776	385	640	654	323	-079	-947	-295	036	-074	422	690	498	552	571	802	758	765	767	895	498
Mean	793	784	772	757	721	711	747	710	667	619	585	617	660	674	657	661	661	685	703	716	722	749	765	787	705

72849-3

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook D = 25°E + ... ' March 1940

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	44.1	44.7	45.9	45.6	45.4	57.7	50.3	47.2	46.3	47.4	48.0	44.3	46.0	49.6	48.6	49.2	50.4	49.8	48.9	46.6	45.4	44.2	44.0	44.7	47.3
2	45.0	45.1	45.6	45.2	46.9	51.1	48.0	47.0	47.6	43.8	46.6	47.7	50.4	48.9	49.2	50.3	50.4	50.2	50.3	47.6	46.0	44.0	44.4	44.7	47.3
3	44.8	44.8	45.8	46.1	45.3	55.3	47.7	45.8	46.6	49.7	43.0	49.1	47.8	47.7	49.1	49.5	50.8	49.3	48.1	45.8	44.4	43.5	44.0	43.8	47.0
4	45.3	44.8	45.5	46.2	46.2	46.5	47.0	47.9	48.1	47.0	47.1	47.7	47.7	46.6	44.9	51.7	53.4	52.9	51.0	46.7	44.7	43.9	42.9	42.3	47.0
5	43.8	43.4	43.0	46.9	48.1	46.1	46.4	47.4	47.7	47.3	48.4	44.0	47.8	47.9	50.1	51.3	52.3	52.2	50.4	48.1	45.3	43.5	43.6	44.8	47.1
6 Q	44.5	44.7	45.1	45.5	45.5	45.3	46.1	46.1	45.7	46.0	46.5	47.0	48.1	48.8	50.3	50.9	51.6	49.2	49.0	47.5	44.8	43.1	42.9	42.6	46.5
7 Q	43.2	43.2	42.6	43.7	44.0	44.2	44.9	45.8	46.2	46.5	49.1	49.7	48.0	48.5	50.1	51.7	53.0	53.1	51.1	48.0	44.2	43.3	43.0	43.6	46.7
8	41.5	43.1	41.3	44.9	40.7	44.5	48.7	45.2	45.4	48.8	49.3	51.7	49.8	48.8	50.4	52.8	52.3	51.4	49.4	49.1	48.3	43.2	41.3	41.8	46.8
9	41.5	39.7	41.6	21.5	35.0	35.7	39.0	51.7	52.0	58.7	64.3	54.5	53.0	51.9	53.7	56.1	56.6	53.0	52.2	47.9	45.7	41.8	39.8	42.3	47.0
10	41.5	43.1	45.5	40.6	44.3	45.0	45.7	46.6	45.4	50.2	49.3	49.5	49.9	49.5	50.1	52.0	52.5	52.0	48.0	46.4	43.4	41.9	43.6	44.3	46.7
11 Q	44.0	44.5	46.0	45.3	45.7	46.4	44.7	45.9	46.2	46.6	47.3	47.6	47.5	49.3	51.1	52.9	50.2	47.7	44.6	41.6	41.6	41.7	42.8	44.0	46.0
12	43.7	44.0	44.3	44.6	44.7	45.3	46.2	45.4	45.8	46.4	47.2	47.3	48.1	48.6	50.9	51.6	49.7	45.3	42.4	40.7	41.6	41.5	40.5	40.8	45.3
13	42.4	41.2	45.8	44.6	47.1	48.8	53.5	48.4	54.1	55.9	57.7	46.6	46.9	50.5	51.5	51.2	48.5	49.2	48.0	46.9	44.7	44.1	44.3	41.8	48.1
14	44.8	44.4	45.1	45.4	45.9	46.1	46.4	46.4	46.4	46.4	46.5	46.4	46.7	47.6	50.0	53.1	53.8	53.1	51.5	49.0	46.3	44.8	43.7	43.0	47.2
15 Q	42.2	43.2	45.0	46.1	45.9	44.3	37.6	51.9	43.8	42.5	52.9	51.9	49.6	52.0	53.6	54.8	52.6	49.4	47.7	45.8	43.4	40.0	42.4	41.8	46.7
16	43.8	43.8	44.4	44.8	44.7	43.8	44.1	47.6	50.4	49.3	49.0	51.3	52.1	51.9	53.9	55.0	56.4	53.2	51.0	47.4	40.7	41.5	44.2	45.1	47.9
17	45.4	45.6	46.4	46.5	46.5	46.1	45.7	49.4	50.0	51.0	50.3	50.3	49.5	49.5	51.0	52.5	53.7	53.9	51.6	49.4	46.7	45.2	44.4	44.4	48.5
18 Q	46.0	46.0	46.1	46.1	46.0	46.5	46.8	46.2	46.5	47.4	47.8	48.2	48.7	49.6	51.3	53.0	53.9	52.1	48.6	45.5	42.7	42.3	42.1	42.2	47.2
19	41.7	41.7	41.4	42.3	40.4	39.5	43.3	46.9	45.7	69.5	55.3	52.1	50.8	53.3	58.1	49.2	51.4	47.0	53.3	31.5	32.8	38.3	37.4	36.1	45.8
20	34.5	29.6	35.3	38.1	42.2	45.6	46.2	42.6	56.5	58.5	54.9	85.5	53.8	55.2	48.1	48.1	50.8	45.5	45.9	43.5	37.8	37.1	39.2	40.0	46.4
21	40.5	42.9	42.2	42.1	46.0	47.5	43.9	46.5	46.6	44.0	46.4	47.9	47.5	48.8	46.8	47.9	50.1	49.7	49.1	47.3	42.9	43.2	44.2	44.5	45.8
22	43.6	44.3	45.7	43.4	44.8	45.3	46.6	45.0	46.6	46.9	47.0	47.9	47.5	48.6	49.8	50.5	53.8	51.5	49.6	46.7	43.4	42.4	40.5	41.7	46.4
23	41.5	42.7	44.3	44.1	44.3	54.1	48.8	46.6	40.4	31.6	61.0	52.1	53.6	53.1	57.4	56.2	53.5	46.5	43.7	41.4	50.8	59.6	58.6	47.4	48.9
24 D	41.7	38.8	43.4	46.1	52.3	41.3	43.2	30.4	37.9	40.4	35.0	41.0	47.0	48.2	140.5	144.1	171.8	170.1	149.3	93.4	87.4	73.5	70.0	44.9	72.2
25 D	34.9	38.8	35.3	-01.5	05.0	-14.5	-10.6	34.2	16.4	-31.0	07.6	73.1	59.1	42.7	60.2	59.6	63.5	61.2	55.7	51.8	69.4	60.9	55.2	57.0	36.8
26	39.5	40.7	35.0	51.5	28.8	24.2	51.9	46.6	45.0	46.3	46.3	46.3	45.8	48.7	50.9	56.1	59.8	58.4	58.1	55.3	45.4	39.5	40.7	40.2	45.9
27	40.6	53.5	48.8	48.7	38.8	49.0	45.5	44.4	45.4	47.3	46.3	49.3	48.9	49.2	54.9	58.9	58.7	58.4	54.9	51.0	49.6	47.5	44.4	40.1	48.9
28	41.5	40.6	58.4	47.1	49.4	46.8	54.1	48.0	45.3	45.4	44.4	38.6	47.2	47.6	45.4	49.7	54.2	51.0	53.2	47.7	46.3	43.7	41.6	39.9	47.0
29 D	41.8	41.5	43.8	45.7	45.3	45.1	44.7	45.9	44.1	43.1	73.4	101.8	84.1	104.5	40.2	49.9	126.0	127.6	75.3	58.1	32.4	42.1	48.3	70.1	61.4
30 D	40.3	46.4	54.6	14.0	-20.8	-30.0	31.2	25.2	70.5	-26.7	43.6	35.1	45.9	67.0	17.4	61.8	91.0	55.6	53.3	50.6	47.3	59.8	56.8	51.2	39.2
31 D	49.1	48.1	43.8	42.6	45.5	19.8	38.2	36.7	41.0	44.2	187.2	-10.4	24.7	59.0	41.3	48.5	67.6	52.6	43.0	51.4	51.4	45.5	44.3	43.4	48.3
Mean	42.5	43.2	44.4	41.7	41.0	40.4	43.7	44.9	46.3	42.9	52.9	49.5	49.5	52.0	52.3	55.5	61.1	57.8	53.8	48.7	46.4	45.4	45.0	44.3	47.7

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

Table 11 Meanook — Z = 59,000 γ + — March 1940

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	224	223	223	223	222	227	233	211	183	197	204	190	171	200	214	222	216	217	217	218	217	217	220	223	213
2	224	220	221	220	220	213	217	216	211	191	183	191	201	210	217	219	217	216	216	214	214	214	215	213	212
3	215	215	216	216	219	217	217	216	208	156	170	211	214	212	212	205	207	211	213	217	219	218	219	220	210
4	220	219	217	216	214	214	214	213	208	204	210	215	211	210	190	208	208	207	209	213	217	217	223	223	212
5	225	227	227	227	223	222	220	218	215	213	203	187	167	190	201	207	212	213	213	213	213	211	209	206	211
6 Q	215	217	217	216	216	216	220	221	216	215	213	214	214	214	214	213	213	214	213	210	212	213	215	214	215
7 Q	217	216	217	221	226	226	221	219	218	212	210	210	210	207	210	219	219	214	214	214	215	215	216	218	216
8	220	229	229	237	248	244	227	226	241	229	229	230	223	214	224	223	221	213	214	216	224	252	275	325	234
9	307	299	207	052	177	262	249	255	250	192	159	112	138	147	186	211	213	211	215	216	229	221	228	220	206
10	237	241	241	245	246	249	253	269	247	245	224	204	216	224	220	223	225	227	231	232	233	228	225	224	234
11 Q	227	230	227	225	224	222	225	226	222	221	221	218	210	207	212	209	212	212	211	206	208	213	218	222	218
12	225	226	225	224	224	224	226	225	224	224	222	213	218	219	218	211	201	197	199	212	244	303	324	268	229
13	234	251	295	256	245	247	244	182	161	077	070	144	198	230	232	229	221	227	230	232	231	235	233	232	214
14	240	231	225	228	244	141	191	228	151	033	162	198	212	216	220	215	224	230	236	233	233	232	229	231	208
15 Q	233	231	229	227	225	225	225	224	224	224	224	224	222	226	226	224	224	224	223	221	220	221	221	222	224
16	219	220	220	219	223	233	224	197	208	209	210	202	206	209	213	215	212	206	206	211	209	219	225	219	214
17	214	211	211	209	209	212	216	217	207	198	194	206	217	217	218	217	214	212	212	211	211	212	214	217	212
18 Q	213	213	212	211	211	209	209	208	207	205	206	207	206	207	207	208	208	206	206	206	206	205	206	206	208
19	201	202	209	211	237	260	255	231	165	127	149	197	217	194	166	082	062	126	150	171	226	257	258	281	193
20	289	274	284	239	240	252	227	146	105	117	-038	-118	053	126	156	204	208	210	224	249	238	219	215	232	181
21	238	239	219	218	234	249	220	210	195	170	186	200	205	195	170	182	199	197	208	211	211	212	219	222	209
22	227	241	237	232	216	208	205	160	160	188	200	197	196	196	198	199	199	201	200	201	204	224	222	203	205
23	203	205	201	209	222	200	162	164	218	226	175	166	132	130	167	206	199	191	200	207	219	281	362	306	206
24 D	319	348	290	244	073	028	224	013	149	120	-019	114	176	102	-014	752	881	704	425	205	219	-016	060	064	228
25 D	-180	-241	-170	058	033	325	479	164	549	367	670	417	465	370	280	278	280	277	271	258	291	297	293	251	253
26	205	164	183	179	078	168	248	234	232	230	244	240	240	243	252	253	244	239	236	264	255	236	238	238	223
27	269	289	222	229	242	272	255	233	222	231	208	210	212	212	229	232	234	238	233	231	233	252	274	269	239
28	270	300	281	299	250	148	192	188	209	207	186	089	150	170	181	202	209	217	235	236	243	249	243	250	217
29 D	240	237	231	228	216	211	212	203	180	000	-092	-016	135	-137	-260	007	454	370	499	241	235	274	235	-154	156
30 D	130	-266	-116	-086	-265	-049	053	259	037	005	424	487	546	686	059	232	201	201	258	269	262	296	285	301	175
31 D	146	205	266	266	235	054	093	093	184	-130	-340	746	572	231	-041	147	140	172	253	275	287	259	249	315	195
Mean	215	204	206	206	194	204	221	202	207	171	176	210	224	209	173	221	238	232	234	223	228	229	234	222	212

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook — March 1940

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	06	15	772	12	57	696	76	05	54	65.8	11	53	39.8	26.0	06	13	247	12	16	145	102
2	14	24	766	20	52	724	42	05	00	56.1	09	29	42.0	14.1	00	00	224	10	03	175	49
3	23	15	769	10	04	677	92	05	23	59.8	09	00	31.8	28.0	23	14	229	09	51	99	130
4	15	17	763	19	41	717	46	16	04	54.2	14	12	40.9	13.3	22	44	225	14	25	183	42
5	12	48	762	11	21	711	51	15	11	53.0	12	20	39.6	13.4	03	32	229	11	28	145	84
6 Q	14	00	764	19	12	727	37	16	15	53.6	16	59	40.3	13.3	06	55	228	19	50	208	20
7 Q	15	13	766	19	48	719	47	16	28	53.7	22	00	40.2	13.5	04	59	230	14	00	202	28
8	23	47	820	20	14	709	111	06	42	58.7	04	30	34.2	24.5	23	40	346	07	00	191	155
9	01	52	1064	10	26	452	612	03	01	81.6	03	26	-15.0	96.6	01	03	331	02	57	-175	506
10	08	41	782	21	00	714	68	17	14	54.7	08	45	35.6	19.1	07	25	285	11	22	193	92
11 Q	06	04	761	19	08	720	41	15	26	54.6	19	44	39.1	15.5	01	32	234	20	00	205	29
12	22	37	877	18	28	658	219	16	00	52.8	22	48	33.8	19.0	22	34	348	18	29	187	161
13	06	49	788	11	06	541	247	06	50	69.2	00	02	37.9	31.3	02	20	310	09	50	49	261
14	05	23	811	09	13	342	469	16	50	54.2	23	32	42.8	11.4	06	50	281	09	12	-89	192
15 Q	15	23	759	20	30	716	43	09	37	65.2	08	53	13.1	42.1	01	42	233	19	30	220	13
16	06	32	801	20	24	698	103	16	12	57.8	20	20	38.6	19.2	06	31	261	07	00	153	108
17	13	54	759	21	31	720	39	17	12	54.6	23	18	44.3	10.3	07	22	225	10	24	186	39
18 Q	12	00	761	20	15	718	43	16	32	54.0	22	20	41.9	12.1	01	25	215	19	00	205	10
19	06	28	849	15	40	628	221	09	39	80.3	19	27	25.7	34.6	23	58	302	09	16	02	300
20	03	39	997	11	16	302	695	11	09	105.0	07	38	09.8	95.2	03	10	314	11	09	-207	521
21	00	06	781	14	23	679	102	17	06	53.5	09	21	39.5	14.0	05	33	273	09	43	150	123
22	08	09	777	20	07	694	83	16	43	54.7	22	18	39.6	15.1	01	49	270	07	51	125	145
23	23	53	1248	08	27	311	937	10	16	80.4	08	15	7.6	72.8	09	18	424	09	33	22	402
24 D	21	34	1327	14	16	-1346	2673	16	40	241.0	16	12	-109.4	350.4	16	10	1011	13	33	-595	1606
25 D	23	15	1306	09	54	-993	2299	20	07	137.0	09	12	-130.5	267.5	09	48	926	09	12	-587	1513
26	00	23	1188	04	50	026	1162	17	48	74.9	04	51	-45.6	120.5	05	33	370	05	23	-329	699
27	02	48	1096	10	09	511	585	16	08	64.3	04	50	-22.7	87.0	04	24	347	03	22	91	256
28	02	09	1130	11	38	523	607	02	07	96.4	01	19	33.1	63.3	02	08	412	05	11	50	362
29 D	23	30	1247	17	13	-426	1673	17	15	175.4	15	00	16.8	158.6	17	49	784	14	54	-427	1211
30 D	00	00	1304	04	03	-1117	2421	13	29	167.4	09	14	-165.5	332.9	12	28	875	04	44	-739	1614
31 D	00	33	1317	10	35	-1307	2624	10	30	230.8	11	29	-189.4	420.2	12	15	870	10	37	-750	1620
Mean			933			337	596			84.3			5.6	78.7			382			-23	405
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 1940

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	987	848	956	857	618	629	442	613	244	018	106	426	537	434	652	616	696	728	719	727	750	752	766	744	619
2 D	755	757	746	749	735	736	742	730	723	717	716	683	702	716	689	696	675	684	659	814	729	741	716	920	730
3 D	820	1024	590	592	377	120	308	233	594	508	665	688	718	718	728	727	723	705	722	757	679	728	717	723	632
4	709	721	720	729	725	728	728	724	580	519	494	683	738	742	734	718	715	707	698	710	720	712	727	735	696
5	740	736	746	738	763	743	708	705	696	594	666	719	744	749	739	727	716	698	703	708	710	719	738	751	719
6	723	736	740	746	745	721	733	746	729	697	702	745	742	740	737	736	726	710	705	717	712	722	718	727	727
7 Q	746	746	746	746	745	743	745	746	746	746	747	749	747	747	749	746	736	719	710	706	702	722	722	727	737
8 Q	737	741	741	742	743	741	745	745	746	744	753	752	753	754	755	745	737	728	718	712	709	710	720	737	738
9 Q	747	741	738	738	742	743	746	748	745	745	752	751	752	751	746	745	739	723	710	710	710	717	728	739	738
10 Q	740	743	742	744	744	745	747	751	749	753	754	756	757	754	749	747	743	736	731	727	728	732	737	736	744
11	743	743	744	747	747	745	748	744	760	761	755	729	743	749	764	755	744	726	718	716	712	714	718	727	740
12 Q	737	740	743	748	751	753	754	757	756	757	757	757	756	757	759	754	744	736	734	733	733	734	734	735	747
13	757	751	747	750	754	770	765	759	757	759	736	639	679	656	695	733	732	728	717	716	707	706	712	737	728
14	742	753	747	749	794	768	521	693	709	637	571	687	720	754	751	741	714	707	714	715	712	716	727	744	712
15	728	732	742	754	752	760	774	767	749	608	685	756	734	708	681	655	623	710	704	704	712	724	739	778	724
16	821	827	833	867	738	734	740	738	690	714	710	723	710	746	734	731	708	697	708	729	728	721	736	730	742
17	755	738	748	746	733	741	740	737	742	738	730	741	735	725	730	726	720	711	707	703	704	710	718	733	730
18	739	738	740	744	743	744	735	722	741	736	733	715	716	725	722	717	712	704	706	715	722	722	734	747	728
19	764	749	751	762	795	780	760	756	751	744	741	738	725	721	737	732	736	730	718	717	717	717	719	723	741
20	745	747	745	752	752	754	756	757	747	750	756	760	756	757	747	746	731	720	724	729	733	729	728	740	744
21	762	759	756	753	750	745	749	754	765	765	761	761	752	762	763	752	753	724	720	715	711	727	755	765	748
22	756	766	768	801	793	867	622	349	382	636	720	600	660	703	591	696	694	705	708	699	700	712	723	729	682
23	763	755	743	743	743	743	744	746	743	743	746	743	711	706	749	743	733	722	715	704	701	716	752	776	737
24	766	720	729	730	736	733	732	737	740	725	738	746	738	735	693	700	721	722	708	704	707	714	711	723	725
25 D	742	745	811	692	516	900	832	664	695	718	743	755	751	747	755	745	729	689	611	742	771	871	961	940	751
26 D	1090	900	921	902	921	821	625	499	623	495	584	503	452	401	596	690	720	720	715	711	786	814	811	791	712
27	758	822	755	766	805	756	713	681	730	731	730	692	689	710	720	724	727	720	715	711	715	710	713	716	730
28	750	751	749	735	729	741	743	750	750	702	646	732	745	737	692	678	714	723	723	721	710	711	739	756	726
29	844	837	767	759	846	786	769	729	700	665	583	656	671	632	659	711	715	708	707	719	714	724	730	737	724
30	724	725	728	738	740	741	747	748	724	650	564	650	742	752	724	696	712	735	730	724	741	740	742	744	719
31																									
Mean	773	770	758	754	736	734	707	694	694	669	678	701	712	710	718	721	722	716	709	717	720	730	740	754	722

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Meanook $D = 25°E + \ldots\ldots'$ April 1940

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	51.0	43.3	49.9	45.8	35.8	38.0	51.2	42.0	20.5	39.0	47.6	40.4	56.8	33.0	57.2	53.3	51.0	54.6	48.4	47.4	46.5	45.4	45.2	44.6	45.3
2 D	41.6	45.2	45.4	48.0	45.5	44.1	46.2	43.9	42.0	45.2	46.3	44.2	46.3	50.0	50.3	52.5	51.2	48.8	64.5	63.8	50.6	46.8	38.6	33.7	47.3
3 D	35.2	34.2	80.3	42.9	43.6	14.0	34.8	43.3	41.6	47.1	46.8	51.1	55.2	54.3	65.4	63.8	62.0	53.6	50.0	52.3	35.5	41.9	40.2	43.2	47.2
4	44.6	43.4	42.2	43.7	44.7	44.7	44.7	44.6	44.8	56.1	40.1	47.3	52.0	51.7	53.8	54.4	53.9	50.4	45.3	43.1	40.3	41.7	42.7	43.0	46.4
5	43.7	43.3	43.4	45.1	54.7	47.0	40.0	47.8	43.3	37.7	43.8	45.1	48.2	51.5	54.7	55.9	55.3	49.5	45.5	42.3	40.0	40.7	40.4	39.2	45.8
6	46.9	44.9	43.4	44.8	58.3	49.8	48.5	49.2	48.6	46.5	49.4	47.3	50.4	51.1	54.1	56.3	55.0	52.5	48.9	43.5	40.4	40.8	40.7	42.0	48.0
7 Q	42.0	43.0	43.5	43.7	44.2	44.4	44.3	44.4	45.1	44.7	45.6	46.9	48.1	49.8	53.4	54.7	55.1	53.9	51.3	47.2	40.4	39.6	40.5	41.8	46.2
8 Q	42.0	42.2	42.9	43.9	44.6	44.3	44.4	46.0	46.0	46.4	50.7	47.0	48.2	50.3	52.5	55.2	56.1	51.2	48.9	43.8	40.8	40.1	40.7	41.7	46.2
9 Q	42.2	43.1	43.9	43.3	43.5	43.4	43.5	44.3	45.3	45.7	46.9	46.3	48.5	49.5	51.8	55.1	57.4	56.0	51.5	46.6	42.3	40.8	40.1	40.4	46.3
10 Q	42.1	42.8	42.8	43.2	44.0	44.7	46.7	44.8	45.2	45.6	45.8	46.3	48.0	49.7	51.7	53.9	55.5	54.3	49.7	44.6	41.2	38.6	38.4	39.8	45.8
11	41.5	42.1	42.4	43.2	43.9	44.3	44.8	44.4	45.7	45.6	45.7	47.0	49.7	55.1	57.4	57.8	56.0	51.9	48.3	44.4	42.6	40.8	40.5	41.7	46.5
12 Q	41.7	42.8	43.4	43.9	44.4	44.7	45.3	45.0	45.4	49.1	49.2	46.2	46.4	50.0	53.2	53.5	55.1	52.8	48.3	44.3	41.5	39.1	37.6	36.2	45.8
13	36.6	37.8	40.6	41.7	40.6	46.1	41.5	42.3	43.2	44.4	44.4	48.0	48.3	51.8	55.8	53.4	57.7	52.6	49.3	45.2	40.8	38.3	37.9	36.9	44.8
14	40.1	42.2	44.2	44.8	42.5	47.7	33.2	59.8	48.9	59.2	41.9	54.9	51.8	51.7	54.1	56.5	57.4	50.2	48.7	45.4	41.0	37.9	36.4	35.8	46.9
15	37.5	38.3	40.5	46.5	43.6	45.3	47.2	44.2	50.9	31.5	44.9	49.1	51.8	50.0	47.6	48.5	50.5	51.9	47.6	44.0	42.2	37.9	36.2	34.6	44.3
16	38.0	35.8	35.1	42.4	53.3	53.5	45.4	54.3	41.3	47.6	46.3	46.1	48.1	48.8	51.3	52.3	51.9	47.1	40.2	38.5	39.3	37.7	39.6	41.3	44.8
17	41.6	43.2	44.1	44.8	44.1	44.0	45.3	43.7	45.0	46.1	47.5	48.5	49.7	51.3	54.0	54.4	54.3	52.3	48.4	44.4	41.0	39.0	38.0	37.2	45.9
18	41.2	43.2	43.4	54.4	47.2	45.8	55.5	49.3	47.2	47.1	46.0	44.5	48.5	50.1	52.9	53.3	52.5	49.9	45.9	41.6	37.2	36.8	37.7	39.3	46.3
19	36.7	38.1	38.0	37.8	37.8	43.6	44.0	45.6	44.9	45.8	46.8	48.0	49.8	53.7	58.1	57.6	51.5	51.5	47.5	44.6	41.7	41.6	41.7	42.3	45.4
20	42.4	44.1	45.9	46.0	50.7	44.2	45.1	45.0	39.3	43.8	48.5	49.5	51.0	54.0	47.2	47.3	48.8	45.6	47.8	42.0	37.1	37.7	39.4	39.5	45.1
21	37.9	39.2	42.5	43.5	44.7	45.7	46.0	44.7	45.0	45.0	47.8	46.4	47.7	49.5	53.1	54.3	55.1	52.4	50.9	47.2	39.1	34.3	34.7	36.9	45.2
22	38.6	40.4	35.9	42.7	44.3	42.1	44.7	70.6	53.8	50.3	50.2	51.5	55.6	56.4	53.0	56.3	57.2	52.5	47.3	42.4	39.2	39.0	38.5	40.8	47.6
23	40.5	42.4	45.1	43.9	44.7	44.8	44.6	45.0	45.9	46.3	46.8	48.2	46.0	49.8	53.5	54.5	53.5	51.1	46.3	44.4	41.2	39.4	38.7	37.4	45.6
24	42.4	42.7	44.3	45.6	46.3	45.1	44.8	44.7	44.8	46.5	45.2	46.9	48.9	49.6	50.3	53.7	54.5	52.2	50.2	45.9	42.4	41.8	40.4	40.7	46.2
25 D	41.4	42.8	38.0	70.3	89.9	34.9	43.8	40.8	49.7	51.7	50.3	53.0	55.8	57.5	57.8	60.9	60.1	57.3	53.8	59.2	58.3	54.6	52.9	45.3	53.3
26 D	20.1	39.1	38.8	27.2	06.3	33.9	36.3	28.2	37.8	55.2	62.7	48.6	57.3	66.2	67.2	52.7	46.9	50.5	47.8	46.1	47.3	53.2	51.7	51.0	44.7
27	38.6	36.5	37.6	40.6	39.0	42.5	41.8	40.6	44.2	45.8	50.9	53.1	52.0	53.2	53.1	53.4	53.9	53.6	47.4	41.9	38.8	38.3	39.2	39.5	44.8
28	43.0	42.8	45.3	45.6	47.2	47.0	47.3	47.3	46.9	44.8	46.8	48.6	50.4	54.2	54.2	52.7	55.1	54.8	50.5	48.0	45.3	43.8	42.8	42.4	47.8
29	50.2	39.4	39.3	43.7	54.3	52.7	52.6	49.2	47.2	48.8	46.5	44.8	53.5	61.0	55.5	58.2	54.0	54.1	49.8	44.8	42.0	41.0	40.7	41.3	48.5
30	42.6	43.3	44.0	43.9	43.6	43.7	44.3	44.9	49.2	45.9	42.3	49.3	55.7	57.9	56.9	51.8	44.9	46.1	43.6	40.1	39.3	37.6	37.9	37.4	45.3
31																									
Mean	40.8	41.4	43.5	44.6	45.6	43.5	44.6	46.0	44.6	46.5	47.1	47.8	50.7	52.1	54.4	54.6	54.1	51.8	48.8	45.6	41.8	40.9	40.3	40.2	46.3

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

Table 15 Meanook $Z = 59,000\ \gamma +$ April 1940

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	275	284	290	078	-042	115	-113	153	240	-290	065	281	123	067	067	086	165	192	210	215	225	225	234	234	141
2 D	216	219	207	205	192	191	175	191	170	164	179	159	167	185	184	192	189	179	217	437	416	279	286	266	219
3 D	252	193	-112	-030	186	091	219	163	274	209	205	190	197	208	206	191	197	187	196	189	184	173	181	190	172
4	215	217	212	227	222	221	215	191	-042	026	117	118	187	213	211	200	200	203	204	209	215	213	212	212	184
5	211	210	212	221	201	147	110	123	116	057	104	147	181	197	196	193	195	193	196	205	212	219	221	221	179
6	231	229	218	218	170	114	155	174	174	139	151	192	201	204	203	203	204	202	201	205	212	217	214	206	193
7 Q	197	197	197	197	195	193	192	193	192	190	187	189	187	187	189	190	189	187	187	188	186	185	187	188	190
8 Q	188	190	190	189	189	189	188	184	188	180	173	185	185	186	186	187	186	185	183	184	183	184	188	195	186
9 Q	198	192	187	187	186	186	186	185	184	178	180	183	185	185	182	178	180	181	181	184	186	187	190	193	185
10 Q	192	191	179	177	177	178	176	176	179	182	181	181	182	182	182	183	183	179	176	175	178	179	183	190	181
11	187	187	187	186	186	186	186	155	170	176	173	126	134	138	168	176	171	170	167	167	167	170	175	181	170
12 Q	181	182	179	179	179	179	178	178	174	166	174	177	176	175	172	175	178	180	182	183	181	184	183	184	178
13	202	202	207	205	221	246	234	210	199	196	175	078	084	048	068	157	194	196	203	203	203	200	197	209	181
14	211	212	215	229	251	224	116	116	124	025	049	091	128	170	195	196	186	186	190	191	189	190	197	213	171
15	201	205	208	230	219	232	231	199	139	046	061	171	152	149	119	133	182	187	185	186	204	211	214	249	180
16	266	293	299	303	175	198	206	171	119	130	150	174	166	200	192	192	186	186	179	179	191	193	208	207	198
17	212	196	195	200	199	198	203	210	199	195	187	198	195	178	183	192	197	198	201	201	205	206	206	207	198
18	208	209	212	222	200	201	125	126	182	185	189	167	169	177	184	180	179	182	185	190	196	198	203	209	187
19	213	209	218	238	287	283	233	228	207	202	198	192	178	157	172	176	186	193	197	200	206	209	210	210	208
20	209	209	209	213	207	209	222	226	207	208	206	206	206	207	195	194	193	190	188	193	197	198	206	209	204
21	200	199	202	200	200	201	201	200	205	199	181	201	200	207	211	213	212	210	206	207	218	234	254	277	210
22	257	261	292	284	222	203	167	-064	030	080	150	088	106	138	102	186	214	245	240	235	227	229	230	233	181
23	236	244	231	219	213	213	212	212	209	210	212	213	194	171	203	217	219	218	217	218	229	244	261	273	220
24	276	233	224	225	223	218	214	213	211	158	179	210	210	201	163	144	187	209	214	216	219	227	228	228	210
25 D	217	211	234	011	-161	101	190	219	209	178	207	219	218	216	218	214	208	199	184	230	309	309	271	221	193
26 D	053	075	127	239	217	228	062	195	177	092	117	-031	-039	-156	-078	088	173	214	218	225	276	296	282	257	138
27	300	281	271	270	305	282	230	204	176	132	118	108	155	143	153	193	211	214	216	220	222	222	221	219	211
28	230	245	221	216	212	214	215	215	197	152	098	161	187	189	159	162	190	197	202	209	213	212	225	242	198
29	273	306	283	288	290	241	206	169	206	205	193	127	140	159	187	199	212	214	211	212	214	215	216	216	216
30	215	215	215	217	218	218	220	217	189	048	-014	048	158	189	187	176	171	184	186	194	204	211	221	239	180
31																									
Mean	217	216	207	201	191	197	178	178	174	134	152	158	164	162	165	179	191	195	197	208	216	214	217	219	189

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook — April 1940

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	02	04	1123	09	30	-037	1160	04	37	133.9	04	50	-42.5	176.4	08	35	561	04	47	-607	1168
2 D	23	04	1046	18	46	622	424	18	44	86.8	23	40	24.3	62.5	19	49	401	11	40	144	257
3 D	01	13	1143	06	50	-033	1176	07	26	129.1	05	13	-36.4	165.5	07	34	447	07	03	-201	648
4	02	42	802	09	53	230	572	09	42	76.7	10	07	18.2	58.5	03	35	236	08	13	-139	375
5	04	39	809	09	27	552	257	04	43	72.9	08	57	30.4	42.5	04	39	254	09	04	-13	267
6	07	38	771	10	07	664	107	04	18	74.2	21	52	36.9	37.3	00	50	248	05	22	63	185
7 Q	14	06	753	20	00	692	61	16	47	56.7	21	42	39.4	17.3	00	28	198	11	06	179	19
8 Q	15	11	756	20	55	704	52	16	01	58.1	21	32	39.6	17.5	24	00	197	09	58	164	33
9 Q	00	23	757	18	47	705	52	16	40	58.3	22	55	39.5	18.8	00	22	201	09	54	169	32
10 Q	12	40	758	20	00	725	33	16	26	56.0	22	39	37.0	19.0	23	58	194	06	57	175	19
11	12	49	769	18	30	703	66	16	34	60.0	22	20	39.6	20.4	06	02	189	11	26	98	91
12 Q	14	50	762	18	30	732	30	15	59	55.8	23	32	34.1	21.7	00	10	184	09	04	151	33
13	06	08	778	11	37	592	186	14	28	63.8	00	00	35.3	28.5	05	16	258	14	00	24	234
14	04	51	856	06	22	347	509	07	14	73.1	06	16	11.0	62.1	04	41	289	09	45	-21	310
15	08	54	819	09	37	464	355	08	58	63.7	09	21	-06.1	69.8	24	00	278	09	32	-63	341
16	04	12	918	08	35	610	308	04	33	71.1	03	02	28.6	42.5	02	54	353	08	32	53	300
17	00	20	760	18	38	698	62	16	36	55.0	23	21	36.1	18.9	07	14	218	13	27	172	46
18	06	24	767	06	51	688	79	06	16	70.3	21	15	36.5	33.8	03	28	243	06	44	69	174
19	04	44	808	19	47	708	100	14	14	58.9	04	31	35.6	23.3	05	05	306	13	23	148	158
20	13	01	775	17	54	710	65	16	25	63.3	08	59	35.5	27.8	05	58	237	05	09	188	49
21	00	26	809	19	54	704	104	16	41	57.4	21	30	32.9	24.5	23	27	294	10	12	155	139
22	05	38	972	07	46	026	946	07	30	109.2	08	26	09.6	99.6	07	08	377	07	40	-363	740
23	01	10	794	12	52	661	133	15	33	55.5	23	28	36.9	18.6	24	00	282	13	17	151	131
24	00	11	797	14	33	671	126	16	26	57.6	21	54	39.5	18.1	00	31	289	09	32	111	178
25 D	22	57	1037	09	43	419	618	03	22	133.2	04	40	-18.9	152.1	20	30	342	04	53	-519	861
26 D	00	29	1220	13	21	258	962	09	00	93.5	00	20	-16.3	109.8	07	37	357	12	17	-201	558
27	01	08	840	07	25	518	322	14	06	61.0	04	58	34.1	26.9	04	37	342	10	04	73	269
28	23	03	778	10	09	601	177	17	27	57.0	23	15	40.6	16.4	23	42	245	10	54	92	153
29	04	38	894	11	03	509	385	12	58	65.7	01	55	34.2	31.5	01	07	324	08	22	83	241
30	12	51	776	10	11	374	402	12	58	59.7	10	00	13.2	46.5	23	55	250	08	56	-161	411
31																					
Mean			855			527	328			75.4			23.4	52.0			286			06	280
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 17 Meanook $H = 12,000\ \gamma +$ May 1940

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	759	735	740	733	737	741	752	758	742	719	731	739	727	713	721	731	716	694	695	714	733	733	750	748	732
2	765	761	769	753	761	768	754	752	747	740	738	736	743	742	752	739	722	709	718	720	723	726	728	733	742
3 Q	744	730	728	739	734	733	739	716	672	731	698	682	715	726	740	737	734	724	716	715	715	717	733	744	723
4 Q	746	744	745	738	744	745	750	744	743	745	746	748	747	748	747	744	733	726	624	728	734	738	745	746	742
5	740	747	745	752	753	753	749	745	681	697	750	761	761	762	759	748	730	707	704	712	712	720	736	743	736
6 Q	754	754	751	748	745	745	746	746	748	752	752	753	754	748	755	750	741	730	720	719	721	722	730	741	743
7	754	747	755	762	761	770	739	682	686	738	739	740	743	754	761	748	741	730	720	715	716	721	734	765	738
8	775	770	760	755	746	742	744	752	752	757	759	764	768	759	753	757	753	737	724	720	725	724	726	738	748
9	755	750	749	769	856	953	775	736	744	749	750	749	696	551	641	736	740	740	732	732	736	740	737	751	744
10	756	751	751	749	763	789	781	737	757	786	726	653	715	722	743	733	711	707	717	722	729	722	763	740	738
11	772	766	816	787	763	756	742	714	629	717	677	632	674	723	741	725	727	723	730	730	732	731	731	753	729
12	790	754	767	770	758	741	451	555	679	518	551	709	753	711	713	714	724	740	740	733	741	751	785	771	705
13	801	769	746	738	751	751	747	736	728	723	736	717	711	711	735	760	737	715	704	700	728	752	759	788	739
14	785	748	742	756	755	719	594	741	589	529	579	552	670	688	748	719	728	738	731	725	722	728	738	737	698
15	732	745	750	772	758	808	794	755	673	548	607	656	686	738	725	714	732	743	727	720	723	728	785	775	725
16	786	798	738	719	726	728	738	739	744	742	738	721	726	728	726	724	721	715	719	726	727	733	742	753	736
17	763	760	746	731	753	755	760	753	744	751	742	715	733	750	731	721	698	695	701	711	743	744	752	761	738
18 D	828	868	833	928	900	870	783	606	140	531	569	481	272	504	816	796	744	758	724	736	735	735	739	763	694
19	762	750	741	732	717	715	723	730	721	677	735	741	740	741	737	725	715	685	699	705	720	740	753	744	727
20	751	766	719	719	745	759	740	737	741	740	745	746	755	719	635	697	696	685	690	707	714	719	731	740	725
21	741	742	745	792	819	730	721	721	726	731	735	741	742	742	741	732	725	708	700	698	701	722	742	742	735
22 D	761	806	851	863	488	537	213	567	675	366	198	390	716	772	733	731	697	720	740	715	733	746	736	724	645
23 D	742	741	741	751	758	740	742	747	737	748	755	758	759	764	764	756	739	724	690	753	715	751	741	757	745
24 D	743	722	739	849	799	770	920	809	415	033	060	280	319	337	460	601	686	698	678	688	726	798	798	768	612
25	864	776	806	775	729	719	721	725	725	730	727	716	686	682	710	704	698	711	730	722	712	721	723	733	731
26 D	731	754	770	764	766	637	725	676	512	509	517	697	737	758	759	719	713	684	695	733	747	778	896	1003	720
27	1142	919	866	763	804	725	710	741	722	698	710	672	732	718	717	734	734	714	717	728	742	744	754	837	764
28	801	757	826	873	764	720	708	641	698	746	733	639	667	717	724	724	723	738	726	728	728	712	731	750	732
29	750	786	750	725	738	728	725	729	689	697	741	731	717	717	737	745	741	719	716	713	714	722	711	713	727
30 Q	729	733	733	733	733	733	735	739	740	736	744	746	748	755	749	746	731	716	710	703	701	718	726	726	732
31 Q	740	749	733	725	723	727	728	730	729	727	722	723	726	726	741	745	734	720	709	710	714	722	728	724	723
Mean	776	764	763	766	753	745	718	718	678	665	668	680	698	708	726	731	725	718	714	719	724	734	748	758	725

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18 Meanook D = 25°E + ... ' May 1940

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	36.3	40.0	42.4	42.7	42.6	43.6	41.5	45.3	44.3	47.5	48.8	49.7	51.5	51.4	52.6	52.7	51.5	52.6	43.7	40.2	40.1	39.8	39.4	40.6	45.0
2	39.1	36.2	38.1	35.5	44.0	44.0	44.1	45.3	45.2	47.4	46.6	46.7	51.3	52.7	53.0	51.7	50.5	45.9	42.6	40.3	40.6	40.1	40.0	41.5	44.3
3 Q	43.4	45.3	45.6	48.9	46.6	44.6	43.6	51.6	57.2	48.4	43.1	48.9	53.7	57.7	59.2	58.1	54.9	51.9	48.2	45.5	43.4	41.5	40.2	38.8	48.3
4 Q	41.0	42.5	43.8	46.2	45.0	45.3	52.2	46.0	46.6	46.7	45.6	47.6	50.1	53.4	55.1	55.5	53.3	49.4	46.6	45.6	45.1	44.5	41.6	41.9	47.1
5	42.9	44.0	45.0	45.5	46.3	45.4	44.0	43.7	41.0	53.8	47.9	48.2	52.2	52.0	53.8	54.0	52.4	48.6	44.4	40.8	36.9	38.4	39.3	40.3	45.9
6 Q	41.0	42.7	44.6	44.9	44.9	45.0	46.7	45.5	46.3	45.8	45.8	48.0	49.9	52.4	53.8	53.3	53.1	51.6	48.9	45.5	42.0	41.4	39.8	39.9	46.4
7	42.5	43.9	43.8	44.5	44.8	51.6	45.9	60.3	59.4	55.4	50.7	51.1	54.1	55.5	56.5	58.9	54.6	52.3	48.3	44.2	43.4	39.8	37.0	36.9	49.0
8	38.7	38.6	39.1	40.5	41.2	42.9	44.6	44.7	44.8	45.0	45.4	45.9	46.4	49.9	52.9	54.6	53.8	52.8	50.0	45.9	42.1	39.8	39.5	39.4	44.9
9	41.2	43.0	43.5	39.9	44.2	40.2	45.0	44.7	45.1	45.1	44.2	44.2	41.2	49.5	58.7	56.8	57.8	55.8	49.3	44.7	41.3	41.3	38.9	38.7	45.6
10	38.7	39.4	40.0	40.4	39.6	42.0	44.2	42.9	44.3	49.4	46.4	49.4	54.3	59.2	56.5	59.7	55.3	48.3	46.6	43.9	41.7	41.3	39.0	37.4	45.8
11	34.8	36.1	37.8	43.4	46.5	46.2	46.8	54.4	39.0	46.5	44.9	49.5	51.3	53.4	52.9	55.2	52.7	48.8	44.6	45.2	41.0	36.2	37.0	36.5	45.0
12	36.5	38.2	37.4	48.8	52.5	42.6	43.6	50.5	50.7	46.4	39.4	45.5	48.7	52.9	54.6	52.5	52.4	47.7	47.4	42.0	39.0	37.9	37.4	34.0	44.9
13	32.1	34.1	36.5	41.2	41.3	43.6	42.6	39.9	39.5	40.0	42.7	41.6	42.6	47.8	50.5	49.8	54.0	50.8	46.5	41.3	41.0	38.3	38.7	35.7	42.2
14	32.7	35.2	38.1	41.1	42.7	29.3	49.2	38.8	48.9	47.0	42.6	41.8	47.1	45.4	48.9	52.1	51.9	50.5	46.3	45.3	39.6	38.3	40.0	40.9	43.1
15	41.1	42.4	42.8	59.7	51.8	43.0	44.9	47.6	45.6	37.2	57.4	49.7	52.7	56.2	55.1	54.4	48.9	50.9	46.6	42.8	38.8	34.3	35.2	36.6	46.5
16	33.1	37.1	40.1	42.4	41.7	41.8	42.1	41.7	41.8	43.2	46.6	43.1	49.2	53.2	54.9	53.5	49.5	45.3	40.1	36.6	35.2	36.9	37.1	36.5	42.6
17	35.3	36.2	37.8	41.0	39.5	40.1	42.1	39.2	41.0	43.0	44.4	46.9	51.8	54.8	55.7	53.4	53.1	46.7	43.1	33.9	32.7	29.8	30.7	31.0	41.8
18 D	29.8	31.9	28.5	34.1	34.7	29.9	25.4	28.2	19.1	56.2	49.3	70.8	63.6	81.5	58.1	58.4	52.8	44.0	39.3	37.6	37.7	38.5	40.2	43.1	43.0
19	43.7	44.9	44.5	46.6	43.1	41.8	41.1	44.8	47.7	35.3	41.6	43.6	52.3	57.6	56.2	56.7	51.5	46.2	36.8	36.7	38.4	38.2	38.9	39.6	44.5
20	43.3	44.4	43.8	42.3	43.1	45.0	42.8	41.5	44.1	41.6	43.1	44.5	44.8	51.9	53.5	53.6	51.9	49.0	45.0	41.4	37.9	37.0	37.1	38.8	44.2
21	40.3	41.5	43.6	40.7	49.6	41.8	41.9	41.9	42.8	42.8	43.8	46.0	49.4	51.9	54.0	54.2	52.8	49.2	44.4	41.0	36.7	37.6	38.0	39.7	44.4
22 D	40.6	37.1	42.9	46.4	33.1	35.5	49.9	44.6	45.2	70.2	67.9	46.5	45.5	50.8	47.1	46.8	50.6	45.8	44.2	37.8	35.7	36.7	38.1	39.3	44.9
23 D	41.9	42.6	42.9	46.8	45.9	41.6	41.1	41.6	47.7	40.6	43.0	45.4	48.9	51.3	53.6	52.5	52.0	48.4	49.8	48.4	40.4	41.5	43.9	44.6	45.7
24 D	32.5	35.1	34.6	31.3	40.0	29.5	38.1	36.4	14.8	37.7	76.2	65.9	77.6	70.7	77.5	54.6	46.1	55.9	46.8	34.1	40.2	44.5	41.1	39.4	45.9
25	40.7	41.7	51.3	40.6	40.2	42.6	42.6	42.9	43.0	42.0	41.9	42.0	43.3	44.5	49.8	52.8	55.8	55.6	50.8	44.5	39.1	33.8	34.1	35.2	43.8
26 D	37.8	37.8	38.2	40.5	39.4	50.5	47.8	49.4	43.8	47.6	57.3	53.7	50.7	48.8	53.1	53.5	54.7	50.8	40.5	40.8	41.7	40.3	41.7	34.8	45.6
27	27.4	27.0	35.5	38.1	44.3	48.7	40.8	40.9	38.8	44.7	44.6	44.0	48.2	50.8	52.0	50.0	51.1	51.1	46.9	44.6	42.1	38.2	37.0	41.4	42.8
28	33.6	33.6	31.3	36.5	38.1	38.8	43.0	48.6	38.7	41.7	41.7	43.9	49.5	49.6	53.7	55.1	54.7	51.3	47.6	45.9	41.7	37.9	37.0	36.1	42.9
29	36.4	36.9	39.9	41.7	42.0	44.7	39.4	40.5	39.9	38.7	41.7	43.3	46.9	46.6	49.6	51.7	53.7	50.7	48.2	39.8	38.4	34.3	34.0	35.7	42.3
30 Q	38.2	40.5	42.2	43.1	43.1	43.2	43.1	41.8	41.9	40.8	41.7	43.1	45.6	49.6	52.1	53.6	54.8	53.5	47.3	45.6	40.8	36.3	35.9	35.9	43.9
31 Q	37.9	40.1	42.5	43.6	43.4	43.0	46.7	43.0	42.1	41.3	41.8	43.5	47.0	49.5	51.3	51.9	51.8	50.0	45.8	42.1	38.7	36.5	35.8	35.4	43.5
Mean	37.9	39.0	40.6	42.5	43.1	42.2	43.4	44.1	42.9	45.4	47.0	47.6	50.4	53.3	54.4	53.9	52.7	50.0	45.7	42.1	39.8	38.4	38.2	38.2	44.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Meanook $Z = 59,000\ \gamma +$ May 1940

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	253	241	225	219	217	216	227	228	219	188	202	204	194	180	177	196	201	192	189	196	205	206	213	221	209
2	226	239	263	281	252	251	244	226	205	174	176	183	192	194	202	202	203	208	212	214	217	219	221	225	218
3 Q	228	226	221	223	224	219	217	123	099	151	139	121	170	193	202	211	211	209	207	210	216	221	223	224	195
4 Q	226	224	225	220	218	216	208	203	212	213	208	209	211	212	211	211	210	204	199	201	207	214	219	221	213
5	225	228	226	222	220	220	217	197	088	105	160	189	208	211	209	207	207	198	196	197	206	211	215	224	199
6 Q	223	222	219	214	213	213	208	199	208	214	214	214	213	212	212	213	207	205	205	205	211	217	220	229	213
7	226	224	218	217	217	255	214	148	132	200	200	201	215	224	227	219	218	218	219	220	222	222	223	234	213
8	237	237	247	260	238	212	206	204	202	208	210	211	209	204	198	204	209	211	212	213	216	217	218	225	217
9	219	221	220	229	244	240	242	189	193	195	199	192	126	011	050	156	191	201	203	206	209	213	214	214	191
10	209	207	204	203	212	228	172	204	206	181	180	129	156	163	183	177	175	179	189	198	209	227	258	241	195
11	253	264	280	258	195	235	219	160	064	135	100	086	108	192	212	206	201	202	208	210	229	230	223	228	196
12	242	252	277	253	231	219	-099	055	094	019	074	172	212	186	181	195	212	210	191	206	214	226	256	270	181
13	289	269	257	239	237	242	224	211	197	187	197	185	160	163	173	201	205	210	209	210	231	285	286	285	223
14	285	274	258	247	224	159	072	191	055	053	116	133	122	144	201	201	209	210	210	210	219	221	227	235	186
15	221	232	237	254	265	302	282	228	210	179	129	106	130	193	192	193	211	215	210	223	257	259	273	284	220
16	307	312	267	223	211	211	211	211	210	195	184	176	182	193	194	199	201	201	200	200	202	206	214	223	214
17	228	226	215	209	217	227	212	214	200	206	204	158	173	194	196	206	209	214	214	220	242	246	249	253	214
18 D	299	320	340	335	287	194	128	167	-075	153	217	184	280	138	217	243	202	231	232	237	239	240	241	262	221
19	270	286	242	243	224	222	226	202	150	134	225	239	235	236	229	219	221	220	228	230	244	263	263	243	229
20	238	244	235	227	239	266	236	228	209	218	225	231	229	202	122	160	185	193	215	232	235	235	236	233	220
21	226	226	228	262	299	258	227	225	226	232	232	232	236	234	230	228	230	223	216	217	214	222	231	236	233
22 D	242	279	332	258	013	189	-020	039	185	089	116	227	202	239	236	227	238	229	229	220	221	227	226	227	195
23 D	228	230	229	245	255	239	235	230	189	215	224	234	237	233	228	224	221	219	211	236	223	251	250	229	230
24 D	222	213	222	211	026	157	206	246	151	-123	145	115	207	129	091	146	242	237	237	242	277	288	280	282	185
25	307	277	277	274	264	247	239	227	213	221	228	226	213	207	217	218	218	229	238	234	241	249	236	230	239
26 D	230	242	272	283	270	-035	168	164	144	048	-025	137	167	205	221	200	201	199	185	221	254	277	345	299	195
27	251	293	324	298	249	085	191	235	206	167	190	164	189	198	205	219	218	219	212	216	225	238	240	302	222
28	292	270	309	272	275	264	187	050	169	209	208	149	164	202	194	192	196	204	215	227	233	241	242	246	217
29	252	283	251	229	229	205	200	208	152	171	202	205	200	196	199	203	207	208	210	211	216	224	220	216	212
30 Q	217	218	218	215	210	210	208	201	199	197	202	208	209	211	210	209	200	198	190	197	207	220	229	228	209
31 Q	230	234	233	221	214	209	192	195	193	194	194	195	200	198	200	199	192	189	184	185	194	198	206	202	202
Mean	245	249	251	243	222	212	190	187	165	159	177	181	192	190	194	203	208	209	209	214	224	233	239	241	210

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook — May 1940

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	07	38	771	18	04	675	96	17	16	55.8	00	33	35.2	20.6	08	13	258	13	43	166	92
2	05	02	793	17	19	699	94	14	00	55.6	04	18	31.9	23.7	03	17	295	10	09	162	133
3 Q	23	35	758	08	08	616	142	08	12	64.2	23	32	38.5	25.7	23	36	234	08	06	62	172
4 Q	00	32	763	17	28	718	45	06	47	65.5	00	34	39.7	25.8	06	37	235	06	57	183	52
5	12	20	767	09	11	642	125	09	24	60.1	08	22	35.2	24.9	01	30	229	08	37	52	177
6 Q	13	39	762	20	03	716	46	15	14	54.4	23	09	39.5	14.9	23	55	232	07	33	194	38
7	05	25	794	07	45	638	156	07	55	68.6	23	41	36.3	32.3	05	27	293	07	38	92	201
8	00	57	781	19	38	713	68	15	56	56.8	01	51	38.5	18.3	03	15	270	14	46	195	75
9	05	12	1063	13	13	519	544	14	32	62.7	05	15	21.6	41.1	05	46	295	14	03	-10	305
10	05	59	904	11	09	565	339	05	52	63.4	08	38	34.8	28.6	22	02	269	11	01	100	169
11	02	41	890	08	37	556	334	04	15	64.7	02	42	29.5	35.2	02	52	315	08	43	-06	321
12	04	33	838	07	51	375	463	04	46	81.6	06	41	13.0	68.6	23	41	288	06	36	-286	574
13	00	58	829	19	48	690	139	16	54	58.5	00	24	29.6	28.9	22	49	294	11	50	153	141
14	00	49	810	06	06	428	382	06	08	60.9	05	45	-13.6	74.5	00	58	289	05	49	-86	375
15	06	02	843	09	22	294	549	10	20	72.3	09	28	19.7	52.6	05	56	326	10	27	59	267
16	01	11	844	11	41	703	141	14	05	55.4	00	21	30.6	24.8	01	11	335	11	50	162	73
17	06	06	790	15	48	686	104	14	50	56.6	21	08	28.4	28.2	24	00	267	11	50	130	137
18 D	05	09	1004	08	45	-015	1019	13	08	143.4	08	15	-18.7	162.1	13	16	479	08	14	-362	841
19	01	53	794	09	33	623	171	08	02	64.6	09	25	29.9	34.7	01	42	311	09	33	54	257
20	05	26	791	14	56	604	187	15	49	57.4	21	25	35.0	22.4	05	26	289	14	26	100	189
21	04	09	898	19	42	685	213	15	00	54.5	20	08	35.1	19.4	04	01	345	20	11	189	156
22 D	03	32	901	06	37	-120	1021	06	12	121.9	04	50	07.8	114.1	02	04	347	03	56	-336	683
23 D	04	24	788	18	41	658	130	17	46	65.7	20	48	20.8	44.9	04	26	277	08	41	142	135
24 D	04	17	1064	09	49	-318	1382	10	17	145.6	09	00	-49.4	195.0	11	57	819	09	32	-461	1280
25	00	33	940	12	51	672	268	02	33	67.2	21	46	31.5	35.7	00	38	317	08	07	194	123
26 D	23	11	1033	05	48	436	597	05	16	70.5	05	39	06.6	63.9	23	58	374	05	27	-141	515
27	00	06	1362	05	41	641	721	05	04	71.6	00	20	21.3	50.3	02	28	351	05	33	25	326
28	04	12	947	11	58	566	381	07	19	67.2	03	48	12.4	54.8	02	47	334	07	29	-38	372
29	01	14	809	09	18	674	135	05	08	57.2	05	51	23.5	33.7	01	12	290	08	13	129	161
30 Q	13	20	757	20	20	697	60	16	54	56.0	23	40	34.1	21.9	22	38	238	18	30	187	51
31 Q	00	57	763	19	11	707	53	16	48	52.7	23	00	32.7	20.0	01	35	242	06	27	179	63
Mean			866			540	326			69.4			22.0	47.4			314			38	276
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 21 — H = 12,000 γ + — June 1940

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	741	750	747	743	744	745	742	744	741	749	748	750	750	747	754	752	744	725	707	706	715	732	732	755	740
2	757	771	766	785	807	811	773	740	738	737	735	723	704	690	683	661	678	692	683	698	723	748	761	743	734
3	729	722	717	723	725	731	739	744	745	745	741	733	725	753	758	750	727	706	696	706	714	728	748	772	732
4 Q	754	763	737	734	733	735	740	746	747	754	762	765	763	771	767	754	732	723	713	713	715	728	738	742	743
5	761	751	745	746	751	765	756	746	730	743	756	760	779	774	768	767	754	732	723	722	723	763	797	851	757
6 D	909	1028	975	1056	639	645	768	637	497	467	361	507	554	762	726	692	692	663	661	701	741	813	870	940	721
7 D	840	985	955	1065	1008	751	785	736	623	364	546	585	611	760	753	771	744	708	722	716	720	745	743	880	755
8	973	877	760	752	755	735	714	688	587	672	725	728	724	697	692	720	732	736	701	699	714	733	772	752	735
9	733	733	735	757	780	729	736	724	563	336	511	707	762	759	742	716	726	722	691	703	692	714	768	772	700
10	773	770	729	722	721	734	736	700	724	739	735	739	737	740	742	731	721	712	715	728	714	715	712	731	730
11 Q	742	750	748	734	733	732	734	736	735	735	736	735	739	744	741	733	731	724	716	711	704	714	718	721	731
12	760	774	742	740	741	743	745	750	752	749	748	742	758	762	754	752	748	746	729	721	710	723	724	721	743
13	739	737	735	737	736	739	740	742	748	745	746	753	760	763	763	756	745	739	734	736	737	735	750	728	744
14 D	750	743	745	741	750	742	747	755	636	644	703	777	764	734	745	732	744	675	644	690	742	930	1033	1113	762
15 D	1026	943	929	912	778	625	693	476	491	483	423	461	634	611	652	691	671	689	718	698	721	731	739	743	689
16	809	837	845	753	722	740	727	687	354	555	550	626	728	731	695	727	718	701	698	688	725	731	729	746	701
17	742	753	784	801	748	745	703	510	586	675	708	668	674	689	679	762	738	701	686	726	720	710	742	744	708
18	753	741	778	823	922	743	068	619	541	710	674	654	729	728	741	741	730	719	719	711	714	734	732	744	699
19	740	737	750	761	752	756	709	727	700	677	598	700	653	742	725	708	710	728	709	719	713	728	730	731	717
20 Q	730	743	738	739	720	713	718	715	704	724	723	721	724	726	732	731	720	709	704	707	707	714	723	722	721
21 Q	734	743	753	742	739	741	736	703	734	740	735	728	727	738	743	738	718	706	690	690	702	716	727	743	728
22	736	741	739	740	745	746	740	730	734	736	740	707	759	778	757	754	750	742	718	722	727	736	729	769	741
23	809	907	811	749	732	733	732	731	726	730	735	740	737	744	742	731	720	709	697	694	706	616	721	729	741
24	793	865	795	821	695	750	755	732	731	733	736	727	678	575	695	681	692	691	698	719	740	755	789	836	737
25 D	780	777	812	1079	1004	768	753	893	761	646	723	755	096	-073	362	323	428	639	633	657	772	731	734	738	658
26	769	783	817	756	760	759	717	649	581	462	702	723	720	731	733	738	738	738	720	712	693	697	713	684	712
27	725	760	743	744	706	705	709	716	703	702	688	704	666	683	714	711	733	716	694	702	694	701	708	711	710
28	762	747	724	719	718	718	719	722	721	725	724	726	732	736	735	722	707	697	707	708	710	713	710	713	722
29	718	725	730	732	735	735	733	726	723	732	734	735	741	736	734	733	723	707	699	705	709	716	718	739	726
30	748	806	874	813	833	739	718	722	721	726	725	722	739	730	713	705	718	715	699	698	707	722	734	750	741
31																									
Mean	778	792	782	791	764	735	713	708	669	664	682	703	696	702	718	716	714	710	701	707	718	736	752	769	726

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Meanook D = 25°E + ... ' June 1940

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	37.8	39.6	41.0	42.3	41.9	42.2	41.9	42.2	42.3	42.6	44.3	46.8	49.9	52.3	56.9	54.9	51.4	47.4	41.1	38.6	34.0	34.1	34.1	37.0	43.2
2	39.6	39.9	39.0	30.9	34.4	39.5	38.6	38.2	38.4	39.3	40.2	44.7	47.7	54.3	58.2	54.2	45.7	42.5	40.9	36.2	33.4	32.4	32.6	34.4	40.6
3	35.4	38.1	39.8	41.0	41.0	41.0	40.5	41.4	41.3	42.3	41.3	46.7	52.1	56.6	53.3	54.1	51.4	45.7	39.1	36.2	34.8	36.3	37.5	37.7	42.7
4 Q	40.4	43.3	42.4	41.1	40.8	41.0	41.5	41.9	40.3	39.9	40.1	41.5	46.8	51.4	53.2	52.4	40.8	47.6	40.3	38.5	37.2	38.5	39.2	39.8	42.9
5	41.9	43.8	42.1	39.6	40.2	38.9	48.2	41.9	42.1	44.5	44.8	45.6	50.3	53.7	51.1	52.3	52.1	50.2	46.8	41.2	33.9	33.7	27.9	29.5	43.2
6 D	31.9	25.6	28.0	22.4	08.8	26.0	40.3	41.3	29.3	64.7	54.7	64.7	49.4	50.9	56.8	56.8	58.3	48.1	41.2	36.6	34.4	35.2	36.4	34.4	40.7
7 D	31.5	27.2	33.9	25.7	41.5	45.7	40.9	40.1	31.7	32.4	47.6	48.5	48.2	52.5	56.9	56.0	58.3	53.7	48.0	46.2	39.1	36.2	31.9	30.7	41.8
8	38.1	37.2	35.8	36.7	38.7	46.6	44.1	43.3	41.7	38.5	37.5	38.0	41.1	43.0	48.4	54.3	51.8	50.2	46.6	42.6	34.8	27.7	30.6	32.6	40.8
9	35.0	37.6	40.8	39.8	42.8	39.9	43.7	38.9	31.1	27.3	46.7	51.2	51.1	50.6	53.2	51.8	53.2	54.4	52.3	47.0	38.1	35.0	38.0	37.0	43.2
10	40.6	43.0	41.6	41.3	43.2	41.9	44.9	48.2	41.6	41.1	41.9	44.2	46.1	48.9	51.0	52.5	53.6	52.0	48.1	45.0	41.5	39.0	36.3	36.4	44.3
11 Q	36.5	39.1	39.9	40.8	41.7	42.1	42.6	42.1	42.2	43.0	43.1	45.5	48.5	52.2	53.4	54.3	52.4	46.9	44.8	43.4	39.1	37.8	37.5	35.6	43.5
12	35.2	36.6	40.9	40.5	40.5	41.5	42.2	42.1	42.8	41.9	43.9	42.1	46.7	48.0	50.5	49.5	50.9	51.5	48.2	42.3	35.8	37.8	37.8	38.5	42.8
13	39.8	40.9	42.2	42.6	42.6	42.4	42.9	44.5	43.8	42.8	44.2	45.7	47.8	50.1	51.3	52.4	52.8	52.3	43.8	40.5	37.7	39.3	40.0	40.6	44.3
14 D	41.0	42.4	43.2	43.6	42.0	41.2	41.6	47.5	56.3	50.8	51.2	47.2	47.6	45.0	49.8	44.3	41.2	42.3	56.6	50.8	46.4	51.1	49.1	49.4	46.7
15 D	39.5	34.8	39.5	41.7	39.9	46.3	47.3	58.4	44.2	43.4	58.6	54.8	56.3	54.3	56.0	54.3	56.0	48.3	52.5	44.0	42.0	42.1	40.9	40.7	47.3
16	37.6	45.1	41.6	40.7	43.0	46.4	45.0	43.5	36.6	63.0	54.8	50.8	54.2	55.8	57.2	58.4	56.8	51.7	47.3	42.6	41.4	37.7	35.1	37.6	46.8
17	38.3	38.6	39.6	46.6	43.1	45.1	74.4	53.1	46.6	41.5	41.4	45.8	46.6	51.6	51.3	53.5	55.6	50.7	42.5	38.3	37.3	37.5	40.3	41.9	45.9
18	42.7	44.5	45.9	52.6	39.4	38.0	48.8	46.5	54.1	49.8	43.7	47.8	50.4	53.6	55.4	55.7	54.4	47.8	43.7	39.6	35.3	35.0	34.5	35.9	45.6
19	38.5	42.3	46.7	54.1	46.2	53.1	51.2	45.9	44.0	42.0	39.8	41.1	43.1	51.5	57.7	57.6	55.8	49.3	47.3	42.9	41.1	42.0	42.1	43.7	46.6
20 Q	44.0	44.0	44.5	46.6	49.5	45.4	42.7	40.8	38.6	41.4	42.3	43.1	47.3	50.9	53.1	55.4	54.9	52.8	45.0	43.1	38.8	37.2	37.6	39.5	44.9
21 Q	40.2	43.7	46.4	49.4	47.6	43.9	45.5	38.2	43.5	41.7	43.2	46.1	49.3	53.0	54.5	54.5	52.9	50.6	46.8	41.2	38.6	37.4	88.5	40.2	45.3
22	41.2	42.3	42.2	42.7	45.2	44.9	42.9	41.9	43.4	43.8	44.2	35.3	57.8	56.4	61.3	60.9	58.6	56.1	48.5	43.1	39.1	37.7	34.0	33.1	45.7
23	33.1	31.6	40.0	39.4	40.6	40.5	40.4	40.9	41.4	42.0	42.0	44.4	48.4	52.2	54.7	55.7	54.3	51.2	51.4	46.1	41.5	37.5	34.1	34.6	43.2
24	33.0	40.1	39.3	32.6	44.9	47.4	39.6	38.9	47.5	45.0	44.6	44.6	44.3	45.3	57.8	55.7	56.0	55.8	49.5	42.6	41.4	40.2	40.4	42.0	44.5
25 D	41.6	40.7	37.9	30.3	26.2	11.6	23.7	41.8	33.2	38.5	52.5	40.3	49.0	52.3	62.6	66.5	54.1	56.3	62.7	43.6	40 1	44.5	46.7	50.3	43.6
26	51.0	38.2	45.5	43.9	44.8	45.4	41.6	52.8	50.4	51.7	52.6	49.9	51.4	54.6	56.6	56.2	56.7	59.4	52.3	40.8	42.1	40.8	38.4	37.7	48.5
27	37.8	40.5	48.1	46.5	42.2	42.7	45.5	46.1	45.6	45.7	42.2	43.1	44.3	51.5	56.4	58.2	56.8	53.9	47.9	47.0	43.5	40.8	40.9	41.3	46.2
28	40.0	45.5	44.2	43.5	43.7	44.3	44.2	44.6	43.0	43.3	44.7	47.2	49.6	51.2	53.0	53.7	56.1	55.2	45.9	43.7	40.4	39.6	40.4	40.4	45.7
29	39.5	40.4	42.1	42.3	43.1	42.3	46.4	44.8	44.1	45.6	46.1	46.2	50.0	52.8	54.8	55.6	53.9	48.3	50.9	42.8	39.1	37.2	37.9	40.5	45.3
30	42.9	43.6	45.4	44.4	45.5	45.1	43.7	43.7	45.1	44.5	44.5	47.6	51.4	54.9	57.5	60.1	56.6	54.1	42.4	40.9	41.3	42.4	40.9	41.5	46.7
31																									
Mean	38.8	39.7	41.3	40.8	40.8	41.7	43.9	43.9	42.2	43.8	45.3	46.0	48.9	51.7	54.8	55.1	53.8	50.9	47.2	42.6	38.8	38.1	37.7	38.5	44.4

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

Table 23 Meanook $Z = 59,000\ \gamma +$ June 1940

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	203	202	199	196	193	194	194	191	162	187	189	190	187	175	175	177	176	175	168	166	175	190	206	212	187
2	213	224	232	274	288	265	247	217	202	196	193	182	157	137	129	122	139	169	174	186	197	204	235	230	200
3	217	209	202	199	198	196	197	196	197	196	188	174	164	178	193	203	199	196	197	197	198	193	203	219	196
4 Q	233	243	223	207	204	199	199	202	203	202	202	202	200	190	188	186	185	186	186	188	189	192	194	197	200
5	204	211	207	201	200	207	198	195	175	193	205	203	203	198	191	191	188	182	185	182	184	199	229	275	200
6 D	309	333	341	219	078	246	160	215	242	-025	164	077	202	209	187	167	172	168	199	231	261	297	312	273	210
7 D	284	273	241	168	164	176	249	228	142	-042	-063	034	145	204	201	217	201	203	214	238	245	267	238	288	188
8	298	295	272	268	257	201	167	164	051	109	176	187	193	174	156	177	185	195	201	215	235	252	273	232	206
9	207	207	214	226	240	218	216	171	000	-143	-010	101	186	201	182	168	181	191	205	235	232	237	267	258	175
10	266	244	220	214	212	208	208	133	163	187	185	193	195	194	203	202	193	186	181	183	194	198	201	210	199
11 Q	215	221	215	203	201	199	197	196	193	194	191	187	195	194	193	190	185	189	188	194	194	198	203	211	198
12	216	219	208	203	200	198	197	196	195	190	190	189	196	198	196	195	190	190	182	175	177	189	197	202	195
13	209	209	201	199	199	200	200	200	200	194	194	196	197	200	199	194	185	189	189	189	194	198	208	211	198
14 D	217	221	215	215	213	202	200	169	-032	081	138	194	205	181	165	159	160	168	182	241	321	355	293	310	199
15 D	291	327	156	220	148	171	168	104	210	225	133	006	076	026	037	127	142	181	216	216	210	213	214	216	168
16	244	276	267	256	231	234	204	145	-068	063	099	111	175	197	181	196	195	190	194	196	217	230	227	227	187
17	228	226	255	275	252	230	102	058	220	150	150	101	100	117	068	166	193	189	188	203	201	204	214	226	180
18	228	216	242	290	221	247	044	200	066	126	137	119	174	176	188	196	193	196	197	205	212	219	218	216	189
19	216	218	237	231	209	190	153	151	098	094	074	128	069	179	190	191	194	199	205	214	213	217	231	244	181
20 Q	237	232	230	238	234	224	216	200	182	200	204	203	210	202	210	213	215	215	214	210	204	203	209	211	213
21 Q	217	224	235	242	237	229	225	178	203	211	210	202	186	190	197	197	202	204	204	211	210	212	211	217	211
22	221	224	216	213	214	202	210	205	205	205	200	098	124	163	173	181	184	185	177	182	186	198	202	226	191
23	270	360	284	241	224	218	214	199	194	195	199	200	199	199	196	193	189	187	180	187	192	207	215	213	215
24	254	289	254	280	069	185	235	215	182	213	214	213	162	024	104	121	158	167	203	235	237	238	275	305	201
25 D	268	242	300	130	190	041	160	076	173	294	081	229	-069	281	473	554	246	215	188	247	211	237	224	243	218
26	264	261	274	266	232	244	212	152	121	012	134	159	203	224	225	223	215	210	200	201	204	206	214	213	203
27	227	247	240	228	214	210	211	204	182	184	180	190	160	186	194	199	211	207	199	201	198	198	202	210	203
28	226	233	220	209	205	204	202	202	201	181	182	201	203	204	207	198	187	196	189	188	192	203	204	207	202
29	210	209	207	208	208	208	193	156	158	161	174	182	192	195	192	189	177	192	195	191	193	195	201	204	191
30	218	246	312	311	302	241	210	208	203	201	190	182	201	190	166	149	166	180	187	196	206	220	237	251	216
31																									
Mean	237	245	237	228	208	206	193	178	154	148	157	161	166	180	185	195	187	190	193	203	209	219	225	232	197

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook — June 1940

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	23	45	766	19	56	697	69	15	40	57.4	23	18	33.4	24.0	23	28	215	08	14	147	68
2	05	20	840	16	00	646	194	14	42	60.0	03	30	27.6	32.4	04	24	305	16	00	115	190
3	23	37	800	18	50	677	123	13	30	61.8	20	12	33.9	27.9	23	34	235	12	19	153	82
4 Q	01	13	782	19	10	712	70	14	17	54.4	20	20	36.6	17.8	01	14	255	16	00	180	75
5	23	23	880	17	44	710	170	13	24	56.5	23	28	26.9	29.6	23	12	295	08	48	157	138
6 D	03	21	1112	08	40	120	992	09	55	104.6	04	02	-40.6	145.2	10	44	356	04	07	-180	536
7 D	04	09	1129	09	32	264	865	05	00	69.3	09	36	17.3	52.0	23	59	365	09	46	-178	543
8	00	00	1024	08	40	511	513	15	52	56.5	21	10	27.1	29.4	01	48	309	08	42	28	281
9	04	06	794	09	18	259	535	10	06	75.3	09	05	17.1	58.2	22	03	273	09	14	-211	484
10	00	46	829	07	36	655	174	07	26	55.9	00	00	35.1	20.8	00	47	292	07	29	76	216
11 Q	01	31	766	21	04	696	70	15	16	55.0	23	34	35.2	19.8	01	30	231	16	26	183	48
12	01	45	783	19	23	697	86	17	30	53.1	20	34	35.3	17.8	01	44	228	19	25	165	63
13	22	01	777	23	36	715	62	17	02	55.2	20	43	35.8	19.4	23	55	221	17	03	180	41
14 D	23	22	1142	09	00	539	603	17	49	80.2	04	36	39.4	40.8	21	24	405	08	23	-111	516
15 D	00	08	1145	07	00	166	979	07	06	77.7	04	24	21.2	56.5	01	25	331	11	13	-57	388
16	02	24	869	08	34	153	716	09	03	75.2	08	24	21.0	54.2	02	00	326	08	21	-151	477
17	03	09	826	07	58	397	429	06	08	89.3	20	10	34.9	54.4	02	55	309	11	50	-10	319
18	04	03	991	06	24	-055	1046	08	39	70.9	04	48	28.6	42.3	06	43	470	06	14	-217	687
19	05	50	791	10	15	469	322	10	04	67.6	12	00	32.4	35.2	23	18	259	08	54	02	257
20 Q	01	04	757	08	11	701	56	16	00	56.8	21	44	36.7	20.1	01	12	242	07	58	173	69
21 Q	01	58	767	19	46	677	90	15	59	55.8	07	41	31.2	24.6	03	42	248	07	22	142	106
22	13	00	805	11	39	676	129	14	42	67.4	12	17	28.8	38.6	23	57	248	12	13	71	177
23	01	39	938	19	36	685	253	16	06	58.0	01	24	28.8	29.2	01	37	386	18	06	177	209
24	03	54	972	04	38	526	446	14	21	60.6	03	33	28.1	32.5	23	23	325	04	36	-193	518
25 D	03	38	1338	12	23	-305	1643	14	28	88.7	05	40	-10.2	98.9	13	53	854	12	22	-298	1152
26	02	34	1009	09	17	174	835	17	18	79.6	02	51	29.0	50.6	02	34	369	09	23	-158	527
27	01	44	798	12	46	622	176	15	00	59.1	00	26	36.5	22.6	01	32	259	12	40	129	130
28	00	59	795	17	50	695	100	17	13	60.9	20	53	38.1	22.8	00	51	246	09	35	161	85
29	23	52	747	18	27	691	56	16	12	57.0	21	52	36.3	20.7	00	48	214	07	50	143	71
30	02	46	942	18	52	684	258	15	18	62.7	19	36	38.5	24.2	02	29	348	15	00	139	209
31																					
Mean			897			495	402			66.1			27.3	38.8			314			25	289
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 1940

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	798	803	821	752	729	753	736	726	725	725	733	738	742	751	743	750	731	719	706	708	703	711	722	733	740
2 Q	744	738	735	724	733	729	725	729	732	733	735	740	747	749	752	745	735	721	706	689	683	706	728	745	729
3	756	764	745	727	729	745	742	725	743	735	730	712	657	730	766	744	722	691	657	677	716	762	780	976	739
4 D	968	805	826	853	853	812	600	627	464	445	627	744	750	747	749	739	706	704	714	700	727	742	850	892	735
5	807	725	700	719	705	737	734	726	701	655	730	721	701	670	733	714	719	704	685	701	722	743	771	763	720
6	786	757	832	778	743	755	766	692	689	733	743	730	697	698	741	743	724	727	731	729	718	724	716	732	737
7	758	745	737	736	735	732	741	730	730	733	736	741	732	733	716	715	718	726	724	710	698	705	718	737	729
8	755	773	766	750	741	738	738	735	736	738	740	732	714	734	741	744	739	728	704	696	696	703	727	780	735
9	752	796	762	746	749	739	949	719	718	757	755	754	775	764	776	782	770	758	732	744	733	725	724	735	751
10 D	764	792	794	841	810	493	343	755	351	398	371	440	459	511	729	788	751	732	743	742	751	758	762	769	652
11	787	848	820	797	762	745	746	739	722	643	736	737	739	747	745	749	750	726	735	729	724	748	742	745	748
12	731	743	768	737	771	742	735	741	735	740	737	752	754	765	764	755	745	728	718	709	712	724	728	738	740
13 D	748	739	749	737	733	755	736	729	749	376	365	413	-016	104	431	725	590	601	700	767	730	728	798	838	618
14 D	810	792	736	801	761	759	505	654	681	565	493	634	581	478	671	679	678	718	764	766	765	765	747	736	689
15	741	814	853	837	777	733	735	686	690	730	671	712	716	674	698	667	706	717	728	728	731	747	723	755	732
16	765	762	797	756	751	731	732	736	686	675	751	749	741	746	743	731	735	738	732	738	734	732	730	742	739
17 Q	748	752	741	736	737	738	714	731	726	709	731	741	742	755	749	732	722	723	721	729	718	720	720	726	731
18 Q	740	742	737	738	738	737	736	739	744	748	751	740	745	746	756	765	760	745	730	720	719	722	727	738	740
19	747	731	746	745	748	738	746	743	736	743	745	754	758	762	750	755	748	735	725	709	702	691	732	719	738
20 Q	746	757	754	754	746	743	748	742	741	739	741	742	746	751	748	750	740	729	711	707	712	713	727	735	738
21	738	751	741	738	747	753	754	754	749	682	658	482	732	749	752	743	738	715	702	710	711	709	715	735	719
22	722	732	743	761	785	862	669	351	592	496	737	734	739	683	681	732	735	734	719	715	718	723	738	749	702
23	756	735	724	732	757	751	752	750	744	743	732	724	700	713	748	755	740	729	717	699	700	719	733	726	732
24	732	754	736	768	761	739	745	736	714	566	720	758	752	760	755	738	742	737	730	711	709	710	725	769	732
25	791	793	771	751	746	735	549	582	720	617	722	755	749	763	757	756	747	743	735	727	724	717	728	747	726
26	759	737	758	748	751	749	746	721	691	716	748	750	760	758	754	749	741	733	721	716	724	732	730	734	739
27 Q	741	739	747	742	742	743	747	748	738	744	754	756	757	759	757	760	759	745	732	728	722	722	731	740	744
28	744	756	749	747	744	748	749	749	742	738	719	665	759	768	771	766	759	739	727	720	720	731	738	738	741
29	756	747	748	748	750	747	748	748	747	749	746	735	745	748	757	768	765	747	728	727	689	700	739	762	744
30 D	767	739	739	790	817	818	765	753	740	713	721	753	717	736	753	739	737	741	742	716	729	757	753	751	749
31	809	800	787	807	758	737	498	739	713	656	717	693	592	726	764	752	731	736	724	716	746	722	749	738	725
Mean	767	763	763	761	755	743	701	711	700	669	697	704	693	702	734	743	732	725	721	718	719	726	740	759	727

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26 Meanook D = 25°E + ... ′ July 1940

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	41.7	43.2	52.4	42.4	43.2	42.8	44.6	42.9	43.2	43.6	44.9	46.6	49.5	54.4	56.8	56.3	54.9	50.7	44.6	39.0	35.2	36.7	39.4	42.4	45.5
2 Q	43.3	44.7	45.5	44.9	45.5	45.6	42.6	43.3	43.4	44.6	45.9	47.2	50.1	53.0	55.4	56.4	56.3	52.4	47.8	44.2	38.1	35.9	37.6	39.7	46.0
3	42.4	44.6	44.7	42.6	42.5	42.1	49.5	52.0	43.8	42.0	47.2	49.1	59.6	64.1	58.6	60.8	60.2	55.6	51.4	45.6	35.9	37.1	36.7	39.4	47.8
4 D	38.9	37.4	37.3	37.6	42.2	41.7	43.3	44.0	32.8	36.5	36.7	47.2	53.7	56.3	57.0	58.1	56.4	53.7	50.3	45.5	41.9	37.7	41.1	40.0	44.5
5	39.4	40.6	43.0	42.5	44.3	45.0	55.6	43.0	39.0	40.2	44.2	45.8	48.2	49.9	51.8	53.4	52.4	52.1	52.4	45.6	38.4	39.8	41.0	40.8	45.4
6	38.1	37.8	35.9	47.1	43.3	43.3	39.0	33.3	41.7	43.0	41.9	42.6	43.3	47.7	55.0	57.6	57.3	51.0	49.5	45.5	37.2	37.8	36.1	36.5	43.4
7	41.0	38.9	38.4	40.1	40.3	41.0	41.7	44.3	41.1	40.6	41.0	42.4	44.7	47.5	48.5	49.9	52.8	52.7	50.2	44.6	40.4	37.6	37.3	38.7	43.2
8	38.9	39.8	42.3	44.5	43.8	42.7	42.7	42.3	41.0	40.6	40.7	41.1	40.8	49.4	53.7	55.9	56.3	55.0	52.0	44.9	40.6	36.8	33.7	31.9	43.8
9	37.5	39.1	40.8	43.2	44.6	44.1	44.6	47.6	51.7	44.9	43.2	41.0	48.5	46.2	51.2	57.3	50.6	52.1	51.6	42.9	39.7	36.7	31.6	32.6	44.3
10 D	33.5	34.5	42.0	43.2	49.5	21.6	37.6	46.0	21.2	30.0	68.4	54.7	58.4	48.8	50.2	55.5	54.0	49.4	40.3	42.3	39.1	41.0	41.1	39.4	43.4
11	39.9	40.8	42.0	46.2	45.6	45.9	44.6	43.3	43.9	39.4	42.1	44.3	48.8	53.7	56.0	55.9	55.0	52.9	48.0	42.7	41.0	38.5	38.1	36.5	45.2
12	38.7	40.7	42.4	43.4	44.2	47.5	43.6	41.9	41.6	42.0	43.8	45.9	48.9	50.8	52.5	53.2	51.4	52.5	48.9	45.1	39.0	38.5	38.4	38.6	44.7
13 D	40.7	42.1	44.1	42.9	43.9	45.0	49.5	46.0	45.8	40.6	49.1	55.9	60.5	49.8	54.3	53.6	64.1	46.9	45.9	40.7	44.3	44.7	45.9	46.2	47.6
14 D	43.7	46.5	45.4	45.7	47.4	46.9	39.7	42.5	41.8	43.4	27.2	47.2	52.7	60.4	59.6	58.0	57.9	44.6	46.9	45.6	44.8	41.6	39.0	39.8	46.2
15	41.0	41.0	47.3	48.5	47.2	46.3	40.8	40.4	41.4	42.3	43.2	44.6	44.3	44.6	51.1	51.9	51.5	52.7	47.5	42.5	43.9	42.9	39.4	39.7	44.8
16	39.7	43.3	51.5	48.8	49.7	43.6	43.4	42.5	39.4	39.1	41.1	43.3	46.3	50.8	54.6	54.0	52.1	43.7	43.6	41.1	39.4	38.4	39.5	38.9	44.5
17 Q	39.8	42.0	44.5	43.6	43.6	43.7	44.2	43.7	44.1	44.6	43.2	44.9	46.4	50.2	50.6	52.0	51.5	47.7	43.2	39.9	37.2	37.2	37.7	38.0	43.9
18 Q	39.4	40.8	42.7	42.5	44.1	44.7	43.6	42.5	42.4	42.4	42.5	40.6	46.4	50.1	53.7	54.5	52.3	48.9	44.6	41.2	37.7	36.4	37.1	39.1	43.8
19	41.3	43.0	43.6	45.1	44.9	41.3	41 1	40.8	41.0	42.0	43.3	48.1	49.8	51.2	53.3	55.4	52.7	48.8	46.4	42.4	39.7	36.3	36.0	38.0	44.4
20 Q	39.9	40.8	41.3	42.0	41.9	43.8	42.3	43.6	44.9	43.4	44.7	47.1	50.7	52.8	55.7	55.5	54.7	51.9	46.2	39.9	37.8	34.6	34.5	34.5	44.4
21	37.7	39.4	42.1	42.4	42.4	41.0	42.3	40.4	41.7	54.3	45.1	19.6	48.9	53.7	56.6	57.6	59.4	56.4	49.7	39.7	34.2	29.5	30.4	33.3	43.2
22	37.4	39.7	40.7	43.1	41.6	37.8	43.0	51.7	48.8	56.8	50.7	46.4	49.8	53.7	54.3	53.4	53.7	50.3	48.5	44.5	38.5	35.1	33.9	35.5	45.4
23	35.5	38.4	39.4	39.9	40.4	43.0	43.0	42.7	42.0	42.9	43.6	45.9	47.2	50.2	53.4	54.9	57.9	50.2	45.4	40.8	39.4	38.2	36.0	35.8	43.6
24	37.5	39.3	42.4	42.5	73.2	55.1	46.7	47.6	41.3	42.8	39.8	43.7	47.2	49.9	51.4	52.1	55.4	52.5	47.7	41.7	39.1	38.0	38.4	38.0	46.0
25	39.1	40.7	41.9	44.7	42.7	43.3	37.2	51.9	47.7	35.9	41.0	45.6	49.1	51.6	54.0	54.9	54.9	49.0	44.3	39.7	38.0	35.9	35.6	37.5	44.0
26	40.3	43.2	42.5	46.9	46.2	44.5	42.5	45.5	39.4	40.4	42.3	45.3	48.6	49.8	51.1	51.1	49.7	47.2	43.3	37.5	34.5	33.9	35.2	36.4	43.2
27 Q	37.7	38.9	39.4	40.8	42.3	41.6	41.9	41.0	39.4	40.6	43.7	45.3	46.8	49.5	49.8	51.0	51.4	52.0	46.4	41.0	36.9	34.5	34.9	34.3	42.5
28	35.5	38.7	40.4	39.9	39.8	42.1	44.3	43.8	47.1	46.9	46.8	42.8	46.4	52.4	55.1	53.3	52.7	51.2	44.7	39.5	36.5	36.7	38.4	39.0	43.9
29	40.3	41.7	40.8	42.7	41.7	41.6	38.5	39.7	41.3	41.5	44.3	47.3	54.0	54.9	53.0	53.7	52.8	52.4	45.0	44.9	39.1	31.5	31.6	32.9	43.6
30 D	33.8	36.7	35.5	32.6	35.1	38.4	36.5	39.3	38.2	45.8	48.2	45.9	48.1	50.2	54.9	56.0	53.8	52.7	43.8	42.7	34.2	33.8	36.5	38.4	42.1
31	40.2	46.3	46.2	43.3	42.4	46.2	40.3	44.9	40.7	46.3	43.0	42.8	49.3	52.4	52.8	52.7	51.1	46.5	46.0	42.0	38.2	35.6	36.8	38.4	44.4
Mean	39.2	40.8	42.5	43.1	44.5	43.0	42.9	43.7	41.7	42.6	44.0	44.8	49.3	51.6	53.7	54.7	54.4	50.8	47.0	42.4	38.7	37.1	37.1	37.8	44.5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook $Z = 59,000\ \gamma +$ July 1940

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	287	288	293	258	243	250	235	206	199	201	205	206	202	208	205	203	200	197	193	194	196	200	205	212	220
2 Q	214	210	208	205	208	206	206	204	200	200	201	200	197	193	194	189	187	187	190	194	207	216	227	227	203
3	230	236	223	214	217	219	187	182	224	214	202	187	135	148	202	197	189	188	188	198	236	258	267	349	212
4 D	279	267	284	273	189	233	053	121	063	035	049	158	194	188	188	189	177	187	197	214	240	262	294	309	193
5	292	275	258	241	223	204	146	172	183	137	195	195	182	172	196	195	206	210	209	226	229	253	292	285	216
6	287	291	321	288	270	265	244	156	175	180	212	215	190	199	229	231	216	212	206	222	239	235	228	247	232
7	259	247	230	223	221	220	218	197	186	197	210	221	215	212	202	197	203	223	231	237	237	237	244	246	221
8	247	241	244	241	232	221	224	223	217	212	208	206	192	197	202	201	194	191	193	199	202	211	222	235	215
9	261	242	251	280	253	252	231	205	067	120	184	175	178	211	204	192	202	202	197	199	202	207	222	222	207
10 D	238	265	286	291	195	035	060	233	126	-012	-004	-037	023	112	217	252	218	204	207	214	218	239	262	272	171
11	258	299	299	255	227	230	221	177	144	070	176	208	209	211	204	206	207	204	204	207	214	230	238	233	214
12	222	227	242	235	227	172	209	208	208	207	207	215	212	216	214	209	208	210	210	210	216	220	224	230	215
13 D	234	226	230	229	223	232	214	211	203	055	-051	109	042	-243	-176	093	113	126	223	261	235	239	287	281	150
14 D	264	251	229	262	236	233	011	132	143	094	001	054	-039	-052	099	148	148	203	232	217	224	238	239	229	158
15	227	270	306	271	240	227	226	158	131	203	154	171	179	160	182	160	182	206	216	214	234	248	245	255	211
16	263	268	268	222	217	230	222	197	114	097	193	213	218	213	212	205	206	209	206	213	216	225	227	236	212
17 Q	243	239	237	236	230	211	160	183	171	151	189	202	209	212	208	204	203	202	203	204	206	207	209	210	205
18 Q	216	218	214	209	211	208	206	206	206	204	185	173	185	191	194	200	205	204	198	198	207	211	217	228	204
19	236	231	231	228	227	221	214	212	204	202	204	209	211	209	199	192	200	199	201	202	205	208	222	224	212
20 Q	224	222	222	215	216	216	209	200	195	207	208	207	208	204	197	195	190	189	195	196	198	201	202	203	205
21	211	216	216	207	204	201	200	200	176	061	095	041	154	195	207	207	199	186	181	181	191	203	215	219	182
22	213	211	220	247	255	209	194	-025	103	129	176	184	190	148	143	166	189	203	206	210	223	230	229	227	187
23	246	235	216	212	229	237	230	225	206	206	199	190	162	168	200	202	201	199	191	190	192	207	220	224	208
24	218	227	222	229	205	174	205	169	159	-002	062	200	201	204	200	185	189	185	185	186	191	200	212	236	185
25	266	272	260	228	238	208	028	140	180	068	145	201	203	208	205	198	189	189	187	188	190	202	206	214	192
26	231	226	226	232	228	229	215	168	076	117	163	192	205	206	204	198	190	198	199	199	199	201	207	211	197
27 Q	215	213	213	212	211	212	217	209	187	163	197	201	199	194	192	184	184	188	182	183	186	195	205	207	198
28	211	213	212	208	206	211	215	197	186	160	121	066	164	179	190	192	193	200	198	197	200	208	213	221	190
29	227	218	206	207	213	216	214	207	199	196	201	208	188	179	178	180	181	181	181	184	185	189	193	198	197
30 D																									
31	234	268	249	273	183	174	-058	168	157	-032	119	144	081	158	204	203	201	205	196	204	212	219	228	217	175
Mean	242	244	244	238	223	212	178	181	166	135	154	170	170	167	183	192	192	196	200	205	211	220	230	237	200

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook — July 1940

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	30	842	19	51	696	146	02	26	58.4	20	50	34.5	23.9	02	21	342	18	32	192	150
2 Q	14	10	752	20	00	677	75	16	03	57.9	20	46	35.5	22.4	22	35	229	17	57	184	45
3	23	58	1120	12	21	619	501	13	04	67.5	20	36	29.4	38.1	23	43	383	13	14	12	371
4 D	23	59	1081	09	03	285	796	17	00	61.4	09	04	13.7	47.7	23	41	381	08	45	-59	440
5	00	01	918	09	24	607	311	06	28	61.9	00	33	35.5	26.4	22	02	301	06	37	98	203
6	02	47	943	07	59	585	358	15	57	61.5	07	42	25.5	36.0	02	37	371	07	45	102	269
7	01	23	765	21	04	689	76	16	47	54.7	22	38	36.7	18.0	01	14	259	07	48	167	92
8	23	26	816	20	07	690	126	16	24	57.6	23	24	29.9	27.7	03	01	253	12	23	188	65
9	01	22	816	08	07	648	168	08	00	74.5	22	29	27.6	46.9	03	46	304	08	28	23	281
10 D	05	21	977	06	19	105	872	05	46	113.5	05	40	-47.7	161.2	06	51	349	05	27	-296	645
11	01	18	860	09	16	579	281	04	10	65.7	09	00	25.6	40.1	02	10	316	09	14	-09	325
12	04	56	833	19	43	600	233	03	59	65.3	20	33	37.2	28.1	04	48	258	05	20	119	139
13 D	23	10	899	12	12	-357	1256	14	10	126.5	14	23	14.6	111.9	11	55	557	14	04	-434	991
14 D	03	55	865	13	15	230	635	13	10	96.0	10	23	10.6	85.4	03	49	311	06	21	-139	450
15	03	45	934	07	52	565	369	03	47	63.8	07	48	28.3	35.5	02	11	340	07	51	26	314
16	02	16	815	09	17	631	184	09	02	62.8	02	42	35.9	26.9	02	00	299	09	00	42	257
17 Q	00	55	769	09	33	694	73	16	02	53.4	20	34	35.8	17.6	00	55	245	09	34	131	114
18 Q	16	09	766	20	33	711	55	14	41	55.0	21	32	35.1	19.9	23	55	232	11	00	156	76
19	15	42	767	21	49	681	86	15	39	57.2	21	46	33.5	23.7	00	40	244	15	31	186	58
20 Q	02	13	769	20	49	689	80	16	35	56.0	22	00	33.3	22.7	02	15	225	08	16	177	48
21	23	38	759	11	19	313	446	09	37	63.8	11	23	14.1	49.7	23	30	230	11	16	-70	300
22	05	43	895	07	17	-045	940	06	52	78.8	05	02	14.7	64.1	03	52	281	07	04	-187	468
23	00	37	784	19	38	687	97	16	18	58.9	23	23	34.1	24.8	00	37	261	12	53	147	114
24	03	59	833	09	56	432	401	04	23	85.3	10	19	34.2	51.1	04	03	287	09	57	-191	478
25	01	05	823	06	29	455	368	03	09	56.9	06	26	14.0	42.9	01	16	282	06	13	-116	398
26	00	24	795	08	17	664	131	03	44	52.4	21	20	33.3	19.1	03	46	242	08	17	55	187
27 Q	13	40	766	20	54	717	49	17	28	53.7	23	22	33.2	20.5	06	29	223	09	16	152	71
28	13	33	777	11	05	549	228	14	16	57.6	11	00	32.9	24.7	23	55	225	11	15	-19	244
29	23	45	782	20	52	661	121	12	57	56.3	21	26	30.3	26.0	00	31	232	14	30	177	55
30 D	05	22	858	19	54	659	199	16	26	61.5	20	47	30.3	31.2							
31	03	46	892	06	11	279	613	04	21	64.0	06	53	16.3	47.7	03	43	302	06	04	-169	471
Mean			847			516	331			66.4			25.7	40.7			292			22	270
No. days			31			31	31			31			31	31			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Meanook $H = 12,000\ \gamma +$ August 1940

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	819	860	743	721	721	725	730	739	736	744	745	752	753	753	751	721	695	707	705	707	701	725	760	740
2	731	739	739	738	739	738	734	736	732	730	753	741	734	732	737	732	712	709	692	650	690	719	731	753	727
3 D	757	745	754	731	738	752	622	583	295	453	130	274	168	112	217	571	716	757	745	722	729	727	744	738	574
4	749	769	785	751	756	765	702	703	610	631	750	757	752	754	757	746	731	719	703	714	721	721	725	731	729
5	758	760	757	750	751	743	750	751	750	665	632	719	710	733	758	757	767	754	730	724	722	718	732	775	736
6 D	774	762	753	766	744	738	751	698	513	593	549	656	713	708	695	744	714	718	708	710	705	747	752	803	709
7	760	749	710	710	716	724	729	714	692	354	623	645	588	664	649	709	730	700	682	733	729	723	728	739	688
8	766	783	783	767	730	738	741	537	664	367	564	690	774	747	735	747	746	748	733	723	719	717	721	745	708
9 D	765	739	730	750	741	715	645	669	613	-046	046	035	182	218	500	745	684	668	719	870	879	846	816	740	594
10	745	720	718	721	733	739	727	723	666	697	746	711	713	764	764	740	744	737	742	748	732	732	740	740	727
11 D	733	731	750	747	744	741	686	732	628	500	694	731	722	629	648	682	665	710	717	713	735	721	766	774	704
12	809	782	780	776	768	714	707	733	738	708	659	623	604	657	702	721	674	723	719	716	715	718	733	751	718
13	760	754	741	733	738	733	726	728	714	724	733	733	739	735	733	735	736	733	730	719	709	715	727	738	732
14	760	738	747	743	760	731	737	734	726	668	680	678	691	733	753	745	725	697	699	697	696	705	721	743	721
15 Q	745	747	731	738	734	734	737	735	734	733	732	735	746	747	748	731	714	699	698	705	710	717	730	736	730
16 Q	739	738	739	740	741	746	745	739	739	741	742	744	741	754	756	743	725	710	697	695	695	708	735	751	734
17 Q	755	748	738	735	735	738	741	741	742	743	743	746	753	760	759	744	723	701	693	695	700	710	735	746	734
18	749	747	748	749	751	751	756	756	754	756	736	736	705	731	723	719	685	649	669	697	726	741	702	711	727
19	706	725	719	726	728	731	729	728	734	743	746	748	726	725	724	705	680	676	685	686	701	721	749	753	721
20	765	769	746	761	779	705	718	739	742	732	715	705	692	743	716	730	699	687	685	688	697	717	731	737	727
21	742	723	731	751	735	741	735	733	732	734	719	720	744	743	707	716	725	699	685	686	698	711	721	739	724
22	728	738	737	752	755	763	749	752	752	741	748	745	741	711	709	715	712	692	682	707	710	708	717	718	728
23	721	736	742	757	737	730	735	736	733	735	741	742	744	741	741	734	717	705	687	696	697	709	716	723	727
24 Q	725	734	737	734	732	733	734	733	734	737	736	737	740	744	745	732	720	703	686	686	690	703	718	729	725
25	742	738	739	739	738	738	738	738	735	737	739	740	742	737	736	734	723	711	697	699	704	724	725	728	730
26 D	727	742	741	740	741	741	742	746	745	740	745	741	736	724	722	725	735	718	702	678	720	770	799	741	736
27	794	731	726	740	739	714	744	706	717	733	740	735	742	743	734	714	707	695	691	695	706	715	742	732	726
28	736	735	748	736	738	737	736	737	655	728	650	719	747	741	737	737	718	699	699	696	708	735	736	753	723
29	735	742	740	741	739	742	735	748	741	731	721	703	727	716	741	725	706	687	687	697	708	718	728	744	725
30 Q	732	723	724	732	732	733	734	736	739	741	742	742	742	750	740	730	712	695	687	701	713	735	758	758	730
31	747	732	723	732	734	742	736	735	737	740	735	746	733	739	749	732	704	690	686	696	711	723	751	767	730
Mean	748	746	746	743	741	736	727	720	695	656	666	685	689	693	708	726	715	706	701	708	716	725	737	745	716

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30 Meanook D = 25°E + ... ′ August 1940

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	39.5	38.0	51.1	39.3	39.1	40.4	41.8	41.6	42.7	43.2	44.2	46.0	48.5	49.8	51.6	52.4	52.1	48.9	43.0	36.3	33.5	32.6	37.1	39.1	43.0
2	40.2	41.1	41.7	41.7	40.8	41.6	41.0	41.1	39.8	42.7	44.6	43.8	46.9	50.2	53.2	55.3	55.0	49.5	50.2	32.8	29.0	29.4	33.5	35.5	42.5
3 D	36.8	37.6	36.0	38.1	39.7	43.3	42.0	50.8	56.6	46.8	49.3	56.2	55.0	83.3	67.3	53.7	54.7	47.2	43.6	43.3	38.6	39.8	41.7	42.7	47.7
4	44.6	46.2	45.1	43.0	48.5	45.4	51.7	51.1	38.2	44.9	44.9	43.7	45.1	49.4	51.1	51.2	51.1	49.8	47.9	43.8	39.5	36.8	36.5	37.1	45.3
5	39.5	40.6	42.3	46.3	48.4	49.9	42.1	43.6	44.9	39.3	38.1	45.9	49.4	49.5	57.9	57.5	55.7	54.0	47.1	41.6	38.9	35.4	34.5	35.8	44.9
6 D	37.6	41.6	48.2	53.0	59.2	54.4	50.1	42.6	42.6	58.0	50.5	47.2	53.4	55.3	58.3	61.8	56.9	50.0	47.4	45.8	39.4	40.7	38.1	42.7	49.0
7	42.3	43.3	44.9	45.2	45.7	46.2	46.8	50.4	46.2	37.1	46.2	53.1	52.6	54.1	47.9	51.9	58.9	54.3	47.5	46.1	43.2	40.7	40.1	40.6	46.9
8	42.3	43.6	44.9	45.8	43.9	44.4	48.9	51.9	53.9	70.9	55.0	56.7	47.1	47.2	51.4	56.3	57.8	54.9	51.3	46.8	42.8	40.4	40.0	41.1	49.1
9 D	42.7	44.4	43.8	44.0	47.6	59.7	48.3	62.9	47.2	38.6	56.7	41.5	58.7	47.1	54.2	57.1	56.2	44.6	53.5	59.7	53.6	49.6	43.1	36.3	49.6
10	40.9	42.5	44.6	45.4	45.7	44.2	47.9	51.6	47.7	44.7	39.3	38.8	46.4	51.0	52.2	53.3	50.9	49.0	45.4	39.8	39.9	37.9	38.8	42.5	45.0
11 D	43.5	44.1	45.4	56.2	52.2	45.3	45.0	47.7	48.0	32.7	50.9	46.7	47.3	43.6	47.6	53.1	54.8	46.4	46.6	39.3	41.0	38.5	39.3	40.5	45.6
12	44.4	44.1	40.9	42.4	42.9	51.4	49.6	49.4	45.3	42.5	48.8	47.1	51.0	57.0	58.1	57.5	51.6	41.5	36.3	34.7	35.8	36.6	38.1	41.9	45.4
13	43.2	42.8	44.6	42.7	42.5	45.3	49.6	42.0	45.4	44.0	42.5	41.8	46.3	54.0	58.8	54.5	50.3	46.6	41.5	40.1	38.0	38.0	38.6	40.3	44.7
14	41.2	42.8	43.1	43.7	52.9	44.0	40.3	39.5	43.8	51.9	45.7	49.3	47.9	60.1	61.3	58.4	54.5	51.6	44.4	40.6	40.2	40.2	40.7	41.5	46.6
15 Q	42.4	43.3	44.1	42.8	42.3	43.7	44.1	41.1	42.0	42.8	41.9	42.8	47.3	51.9	55.7	56.1	53.6	49.8	44.1	38.9	38.3	38.5	39.4	40.2	44.5
16 Q	40.7	40.8	40.7	41.1	42.2	41.2	41.3	46.4	47.0	44.1	44.8	46.1	48.9	51.8	53.6	53.8	51.8	50.1	46.4	41.5	36.3	35.5	37.7	40.1	44.3
17 Q	40.5	41.5	41.2	40.1	41.1	41.5	41.8	42.4	43.1	43.5	44.1	45.4	48.0	51.0	53.3	55.8	55.7	52.2	45.1	40.1	36.3	35.4	37.2	40.1	44.0
18	42.1	42.9	41.8	41.1	41.4	41.5	41.0	41.4	42.7	47.5	50.6	47.6	45.7	55.8	61.5	62.3	54.6	59.6	35.4	26.9	33.1	33.7	32.0	32.8	44.0
19	40.2	42.8	44.5	43.3	42.5	42.1	42.8	43.1	44.2	44.1	43.8	44.1	42.4	49.4	53.5	52.8	42.8	47.5	38.0	30.3	31.7	32.8	33.7	35.0	42.0
20	34.2	32.7	35.1	38.8	41.1	42.0	42.9	39.2	38.3	41.5	41.6	43.3	45.8	56.5	55.7	54.9	53.1	46.3	43.2	40.3	38.6	38.9	37.7	39.0	42.5
21	39.9	42.1	41.2	40.3	39.9	38.9	40.2	40.9	42.9	43.2	42.8	48.0	47.1	47.7	51.5	49.6	49.3	49.6	46.2	36.4	34.1	32.4	33.8	35.7	42.2
22	35.8	37.6	39.2	39.9	39.5	38.8	38.9	39.9	42.3	44.4	46.3	46.8	48.1	47.7	49.7	55.5	48.9	49.0	40.2	35.5	35.0	34.6	34.0	37.1	41.9
23	38.6	39.8	38.9	39.0	38.9	42.0	42.8	45.3	43.1	42.4	43.7	44.4	46.4	49.2	52.0	52.9	53.2	50.2	44.9	42.7	39.0	36.8	37.6	38.8	43.4
24 Q	40.5	41.8	42.0	41.9	42.1	42.3	42.5	42.5	42.8	42.9	43.7	44.1	46.6	48.7	50.2	50.6	51.9	50.6	48.0	42.8	37.9	36.2	36.3	37.6	43.6
25	39.9	41.4	41.1	41.5	41.5	41.8	42.1	42.0	43.2	43.1	43.2	44.1	45.5	47.1	50.9	53.2	54.4	51.0	47.0	41.2	37.7	35.0	33.4	32.4	43.1
26 D	36.9	37.6	38.9	38.9	38.9	39.3	40.5	41.5	41.6	42.8	45.3	45.5	47.9	50.1	51.5	49.4	49.3	47.9	55.1	34.2	36.9	33.7	38.4	32.0	42.2
27	27.5	36.6	38.1	37.6	42.8	63.9	41.9	41.5	45.3	46.7	43.1	45.0	46.7	47.3	53.6	54.5	51.4	51.6	44.7	41.8	37.5	36.9	36.8	36.3	43.7
28	38.3	39.7	40.6	53.6	45.0	40.2	41.8	43.7	33.6	44.7	37.9	42.0	48.1	51.1	52.8	51.5	50.6	46.7	42.0	38.9	37.2	37.7	38.6	39.3	43.2
29	40.5	41.8	41.9	40.3	41.4	44.1	38.0	41.8	41.9	37.9	40.2	46.3	49.4	49.4	51.5	53.1	51.6	49.2	44.6	39.9	36.9	37.6	40.2	41.5	43.4
30 Q	42.5	41.8	41.6	42.0	41.9	42.4	42.7	43.1	44.0	44.1	45.0	45.5	46.7	49.7	52.2	53.5	51.9	49.3	43.5	35.5	32.4	34.6	35.4	37.3	43.3
31	41.2	40.5	40.1	39.9	41.5	43.7	40.2	42.8	42.7	44.1	44.7	45.3	46.4	49.3	54.4	53.9	52.3	48.3	43.5	40.9	38.3	37.5	38.9	37.6	43.7
Mean	40.0	41.2	42.2	42.9	43.6	44.7	43.6	44.7	44.0	44.4	45.1	45.9	48.2	51.8	54.0	54.4	52.8	49.6	45.1	40.0	37.8	36.9	37.5	38.4	44.5

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

Table 31 Meanook $Z = 59,000\ \gamma +$ August 1940

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	223	279	314	239	207	197	194	193	196	195	195	201	202	200	199	201	197	188	189	191	200	208	229	236	211
2	217	210	208	204	200	200	194	188	183	135	176	189	191	184	182	184	186	177	176	186	194	196	202	211	190
3 D	216	206	216	206	201	206	046	121	105	132	118	058	051	-071	-260	114	210	229	206	217	222	219	235	236	143
4	246	253	253	243	255	221	120	143	054	078	181	216	216	215	213	204	195	194	194	196	204	211	213	208	197
5	220	229	240	250	248	224	219	215	199	090	015	117	140	172	192	191	180	184	192	203	214	226	238	249	194
6 D	245	259	260	243	184	218	222	168	-038	015	-078	046	105	138	128	188	184	191	197	214	233	260	264	304	173
7	248	241	224	212	211	212	210	178	151	-061	068	067	000	041	056	116	089	089	203	233	236	233	227	231	155
8	242	258	287	275	232	222	201	081	127	-038	076	088	210	212	203	201	195	206	207	209	221	231	230	234	192
9 D	251	238	225	223	227	184	117	030	044	-089	-153	-172	-240	-216	107	223	232	213	244	346	297	319	329	296	136
10	250	229	241	231	230	229	210	178	153	169	108	176	178	221	226	212	216	216	218	220	218	226	225	234	209
11 D	229	232	251	247	214	207	095	202	106	009	132	177	197	135	121	151	146	199	228	240	244	246	257	281	189
12	299	270	297	319	293	126	138	195	189	145	069	064	028	069	119	153	136	175	201	220	234	237	241	265	187
13	282	269	262	250	236	208	201	210	176	168	178	195	209	207	191	189	196	203	210	218	225	236	241	239	217
14	247	234	243	248	246	228	237	223	197	092	122	171	198	207	208	218	218	217	221	227	229	233	240	259	215
15 Q	257	246	234	228	222	219	201	213	214	213	208	214	222	219	218	213	212	207	206	214	217	216	221	225	219
16 Q	226	224	222	221	219	219	224	219	213	219	217	217	218	216	215	213	210	206	204	207	214	214	218	220	216
17 Q	223	222	220	219	218	216	210	210	210	210	211	213	217	218	218	214	213	212	210	214	221	226	227	223	216
18	223	219	215	214	211	208	210	215	223	209	190	194	168	179	167	176	172	182	168	182	222	235	226	225	201
19	223	219	214	215	214	213	214	209	213	216	210	209	195	170	171	183	179	204	207	214	220	219	230	248	209
20	273	300	289	265	275	215	224	231	235	226	220	204	179	212	225	223	217	212	219	231	228	226	235	237	233
21	245	226	221	234	240	240	228	223	220	220	188	173	196	216	195	193	219	226	229	227	226	231	235	244	221
22	245	241	233	232	231	236	233	227	220	214	211	207	211	185	151	160	170	187	199	220	228	226	241	246	215
23	251	256	261	275	263	224	218	216	196	205	210	220	220	219	220	223	220	217	214	218	219	223	232	231	227
24 Q	226	225	224	223	221	220	220	220	220	220	218	219	219	218	217	213	212	209	209	210	215	222	226	226	219
25	225	224	221	219	217	217	215	214	213	214	214	215	217	216	213	212	211	205	199	200	202	210	213	220	214
26 D	219	227	225	216	214	213	211	211	209	207	152	195	209	205	195	186	205	205	198	205	213	234	311	272	214
27	285	272	244	247	238	084	217	217	170	183	210	218	221	220	220	217	219	220	219	219	222	224	234	237	219
28	240	234	239	250	224	222	221	188	094	185	140	176	206	202	206	217	214	208	210	218	225	234	232	238	209
29	238	258	238	229	223	212	160	201	211	166	147	149	185	202	226	222	223	225	221	222	225	230	232	238	212
30 Q	234	228	225	222	219	218	217	217	216	214	213	213	213	212	212	213	213	213	216	222	230	233	239	241	220
31	247	239	233	228	226	213	219	220	220	219	205	197	197	195	209	214	217	219	222	227	230	232	248	260	222
Mean	242	241	241	236	228	209	195	193	172	148	147	162	167	168	173	195	197	201	208	218	223	230	238	242	203

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook August 1940

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	29	903	17	43	681	222	02	24	57.6	22	32	30.0	27.6	02	31	345	17	30	182	163
2	23	49	771	19	24	633	138	18	54	63.2	20	07	24.1	39.1	00	00	226	09	34	102	124
3 D	17	49	793	10	20	-096	889	12	23	129.5	10	44	14.8	114.7	10	18	384	14	13	-331	715
4	02	20	802	09	00	476	326	07	05	56.6	09	00	16.9	39.7	04	31	265	08	49	-68	333
5	23	22	813	09	52	581	232	04	58	67.0	10	02	24.1	42.9	04	50	274	09	45	-61	335
6 D	23	37	854	10	17	412	442	03	58	78.7	08	51	24.6	54.1	23	35	332	10	23	-164	496
7	01	44	790	09	22	121	669	16	41	61.8	09	34	17.3	44.5	01	44	266	09	16	-210	476
8	03	56	826	09	33	242	584	09	48	82.5	07	40	31.9	50.6	02	56	310	09	21	-188	498
9 D	19	44	986	09	46	-309	1295	10	22	119.5	10	52	-33.9	153.4	19	44	397	12	42	-399	796
10	13	44	787	10	06	546	241	15	32	59.6	09	59	32.7	26.9	00	36	258	10	08	-03	261
11 D	23	16	792	08	26	403	389	03	45	66.9	09	30	18.2	48.7	24	00	322	09	13	-97	419
12	05	11	879	11	55	562	317	05	10	66.2	19	50	33.6	32.6	00	10	337	12	28	03	334
13	05	45	792	05	55	682	110	14	06	60.6	22	14	37.6	23.0	00	08	299	05	55	70	229
14	04	25	794	09	30	641	153	13	45	63.3	08	00	38.9	24.4	04	22	289	09	31	40	249
15 Q	23	49	763	18	16	694	69	14	51	57.1	19	37	37.6	19.5	00	00	260	06	37	190	70
16 Q	14	39	759	20	33	688	71	14	56	54.7	21	00	34.6	20.1	07	07	231	08	03	190	41
17 Q	13	57	764	19	38	689	75	16	08	57.4	21	13	33.7	23.7	22	00	233	07	00	210	23
18	09	38	761	17	36	627	134	17	18	67.5	19	06	22.0	45.5	21	46	241	12	30	144	97
19	23	03	772	16	22	659	113	14	28	57.7	19	41	29.1	28.6	24	00	264	14	16	154	110
20	04	28	998	05	39	636	362	12	17	57.9	04	26	11.7	46.2	04	29	334	11	43	155	179
21	12	48	757	19	16	674	83	14	33	53.1	21	14	32.3	30.8	23	53	249	11	28	156	93
22	05	34	766	18	03	673	93	15	01	57.2	22	04	32.4	24.8	22	38	251	14	12	143	108
23	03	38	767	18	57	669	98	16	00	54.5	04	06	35.0	19.5	03	49	286	08	02	180	106
24 Q	14	33	747	19	46	684	63	16	39	52.5	22	08	35.3	17.2	00	00	229	18	05	206	23
25	23	47	759	20	30	686	73	16	28	55.1	23	47	31.0	24.1	23	50	229	20	30	198	31
26 D	22	40	853	19	23	649	204	18	34	60.6	23	43	27.2	33.4	22	42	355	10	25	104	251
27	00	24	826	05	38	640	186	05	06	82.2	00	24	24.3	57.9	00	02	298	05	39	-19	317
28	23	32	780	08	08	584	196	03	59	70.1	08	11	22.4	47.7	03	45	268	08	08	-60	328
29	01	07	784	13	32	649	135	15	49	56.3	04	27	29.3	27.0	01	38	265	10	03	86	179
30 Q	23	17	775	19	16	675	100	16	04	55.1	20	45	31.0	24.1	22	14	247	09	58	212	35
31	23	02	792	18	49	677	115	14	26	56.2	23	30	36.3	19.9	23	03	266	05	43	190	76
Mean			807			543	264			65.7			26.3	39.4			284			42	242
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 33 Meanook $H = 12,000\ \gamma +$ September 1940

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	733	857	940	786	733	723	752	735	731	719	655	287	302	264	446	559	694	705	693	676	682	706	712	725	659
2	739	743	737	740	741	740	745	749	772	748	571	662	687	623	665	726	703	694	678	704	699	703	735	773	712
3	915	836	713	724	715	743	681	676	725	685	695	550	531	709	716	732	678	678	705	692	697	726	713	742	707
4	736	785	740	715	732	718	722	724	680	508	331	445	720	752	753	736	718	712	699	695	711	717	736	763	690
5	771	729	752	738	727	720	715	718	706	707	699	711	729	687	713	711	710	694	685	695	690	713	743	722	716
6	725	735	726	725	732	737	725	723	700	640	607	597	733	753	751	743	716	707	697	692	701	714	720	720	709
7 D	764	775	872	878	864	510	586	584	540	399	254	465	701	640	601	663	714	716	726	720	730	736	731	787	665
8	760	733	722	744	768	756	728	719	697	573	425	544	702	613	665	653	615	674	725	730	727	727	734	739	686
9	738	755	775	748	722	724	725	728	706	639	591	544	715	694	682	664	656	664	687	710	736	755	745	730	701
10 Q	730	717	712	724	733	729	729	728	728	728	728	730	730	729	728	721	710	701	706	711	720	729	729	720	723
11	721	727	730	730	730	730	730	731	732	718	710	710	725	729	724	730	720	711	711	711	712	726	730	723	723
12 Q	734	730	735	734	739	741	743	744	728	740	740	745	745	744	744	735	720	710	709	718	726	738	744	733	734
13	736	735	736	736	736	736	738	742	743	744	747	752	755	760	749	736	724	721	728	731	735	739	744	739	739
14	737	738	741	749	739	740	739	740	747	748	749	753	748	753	749	714	696	684	598	666	743	734	738	734	728
15	725	727	726	738	802	763	739	727	712	738	741	732	727	730	711	724	712	700	687	702	725	733	744	740	729
16	726	725	726	732	741	748	761	761	748	740	735	733	725	711	673	667	702	690	684	692	702	716	724	731	720
17 Q	730	724	723	727	729	731	734	738	742	741	739	743	744	740	737	727	710	698	695	702	706	715	720	737	726
18	741	739	738	738	738	739	739	741	744	746	747	745	745	747	745	735	712	691	683	684	699	720	726	737	730
19 Q	737	733	736	737	738	742	745	745	744	746	746	742	742	744	736	731	709	696	699	698	704	714	725	732	730
20	736	745	746	748	749	748	746	749	752	743	738	718	734	714	736	717	722	704	706	696	692	707	717	724	729
21	738	745	745	739	739	747	763	747	758	591	589	632	620	615	711	738	729	711	701	700	716	729	736	739	707
22	726	729	733	735	738	738	738	739	739	740	742	743	744	736	746	744	732	720	720	720	728	731	731	736	734
23 Q	730	735	736	742	741	737	740	741	740	740	739	738	740	741	742	734	730	726	718	717	724	742	741	740	736
24	727	735	736	740	740	737	739	740	739	739	738	737	740	740	737	729	729	724	716	716	721	740	739	739	734
25	737	738	743	746	750	783	801	742	735	732	720	694	712	753	741	723	691	657	660	696	721	733	712	723	727
26 D	721	729	732	726	728	730	726	728	731	732	733	732	731	730	722	703	683	492	497	652	685	689	718	737	700
27 D	728	871	823	844	727	730	659	514	633	535	593	620	638	642	609	596	668	632	627	715	750	732	784	799	686
28 D	788	780	777	833	685	788	323	476	484	685	319	459	642	533	530	586	636	630	702	795	741	734	715	715	640
29	737	734	743	737	734	738	642	707	702	678	694	680	689	687	649	681	713	706	706	715	725	734	733	725	708
30	722	716	724	724	725	725	725	728	728	729	728	729	724	725	732	716	706	689	686	687	709	727	725	740	720
31																									
Mean	743	750	751	749	740	732	713	712	712	688	651	656	697	691	698	702	702	688	688	705	715	725	732	738	712

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34 — D = 25°E+ ..... ′ — September 1940

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	36.6	35.0	44.5	54.5	49.3	47.1	49.4	65.5	42.8	42.5	50.5	47.5	55.1	36.0	65.4	58.4	47.0	46.6	45.0	41.5	39.4	37.6	39.7	41.5	46.6
2	44.2	44.2	44.0	42.5	42.9	44.2	40.6	41.5	43.1	45.9	41.8	50.6	59.7	54.9	57.4	58.4	51.9	49.2	40.7	35.9	35.0	34.7	36.4	38.0	44.9
3	44.1	37.7	41.8	41.6	41.8	45.4	40.2	46.1	42.5	44.1	39.2	39.2	46.7	50.7	54.2	54.4	51.0	41.5	44.5	41.8	40.6	41.4	38.9	40.2	43.7
4	41.5	49.0	41.6	40.5	43.8	41.8	41.9	43.2	49.9	61.8	34.2	52.5	47.3	49.7	52.8	53.2	51.0	48.5	46.4	43.5	42.5	41.6	37.2	40.3	45.6
5	42.7	42.9	44.4	52.8	45.8	44.2	41.8	43.3	45.8	49.0	42.4	41.8	44.1	44.4	53.2	55.3	51.9	46.7	43.5	41.9	34.7	36.4	38.9	42.5	44.6
6	44.0	44.1	46.6	43.8	43.8	51.0	40.5	48.0	52.4	47.0	49.3	47.1	53.2	52.4	53.6	54.4	54.6	54.0	49.6	46.8	42.8	41.4	38.5	37.6	47.4
7 D	35.3	38.0	46.1	35.9	28.5	32.4	45.7	32.4	40.5	26.9	52.0	40.7	48.7	55.8	55.1	54.4	51.9	46.6	46.8	45.4	42.7	42.8	39.9	38.3	42.6
8	42.8	40.5	42.4	39.9	42.8	44.0	42.7	44.1	49.7	51.5	63.9	45.4	49.6	45.8	46.1	47.0	42.7	40.2	39.5	40.2	40.1	41.2	41.6	41.9	44.4
9	40.6	42.1	49.8	53.5	40.7	42.7	42.9	42.9	45.3	48.1	54.5	38.9	50.6	52.2	47.9	45.3	44.1	38.9	39.2	38.9	41.5	41.9	42.1	43.7	44.5
10 Q	44.4	44.1	43.6	44.0	46.4	42.9	41.5	40.2	42.1	43.2	44.2	44.9	46.1	47.7	48.7	49.2	49.4	48.0	44.5	42.5	41.8	42.3	43.3	44.4	44.6
11	44.0	42.9	42.7	42.7	42.7	42.8	42.8	42.9	43.1	45.0	50.7	52.7	51.4	53.1	53.6	52.4	47.1	41.1	36.9	38.0	39.9	42.0	43.1	43.5	44.9
12 Q	42.1	41.4	41.2	41.4	41.2	41.6	41.9	41.5	45.9	49.3	44.5	46.4	48.3	50.6	52.0	50.7	50.7	48.0	44.1	40.2	38.9	39.3	39.8	41.8	44.3
13	42.8	41.9	41.4	41.2	41.5	41.9	42.3	42.8	43.8	44.5	45.7	46.8	47.6	50.6	53.6	53.6	50.9	46.6	44.9	42.7	41.8	41.5	42.3	42.4	44.8
14	41.2	40.2	37.7	41.4	41.8	39.0	40.9	41.8	42.9	44.4	45.3	46.4	48.0	50.5	50.9	55.7	51.0	46.4	58.3	19.4	30.8	33.4	36.6	39.8	42.6
15	42.1	41.5	42.7	41.6	41.5	53.2	41.2	43.3	61.0	47.1	45.7	47.0	48.1	51.1	50.0	53.5	48.5	44.6	40.2	36.7	37.5	39.8	42.0	43.1	45.1
16	42.8	42.4	41.8	41.5	41.5	41.9	54.0	49.3	42.9	44.9	45.7	48.0	49.4	54.5	50.5	53.2	48.7	49.3	43.1	41.2	40.2	41.9	43.5	44.2	45.7
17 Q	44.4	44.0	43.1	43.1	43.1	42.9	43.1	43.7	44.1	44.9	45.5	46.3	48.3	49.7	50.9	52.3	54.5	53.6	49.0	44.7	41.8	40.2	40.2	40.5	45.6
18	40.9	40.7	41.5	41.8	42.4	42.8	42.9	43.2	44.2	45.0	46.1	46.4	47.5	49.4	52.2	54.4	55.8	54.5	49.4	43.1	38.9	38.5	40.2	41.1	45.1
19 Q	40.6	41.2	41.2	41.2	41.8	41.8	42.3	42.8	43.5	44.1	45.1	46.1	47.3	49.6	53.2	55.5	55.9	54.5	47.0	42.4	39.5	38.9	39.2	40.1	44.8
20	40.2	40.3	40.6	40.9	41.1	41.5	41.4	42.0	44.1	46.1	47.7	46.7	49.3	49.2	55.5	58.1	54.8	53.5	49.4	45.7	39.0	37.6	38.5	38.9	45.1
21	40.2	39.3	38.9	40.6	41.0	41.5	42.9	44.4	51.3	38.1	43.6	63.2	46.7	52.2	49.8	54.0	53.2	51.5	45.5	42.0	39.0	38.3	40.1	40.5	44.9
22	41.5	42.1	42.8	42.9	42.9	42.8	42.8	46.6	45.4	51.5	39.3	48.6	50.9	52.0	50.6	50.9	51.9	52.5	51.4	46.3	42.3	40.2	41.2	41.2	45.9
23 Q	41.5	41.2	42.1	42.8	43.1	43.2	43.2	43.8	45.1	44.2	44.5	44.6	44.7	45.4	48.3	50.7	50.9	50.7	48.0	44.4	42.8	41.9	41.8	40.7	44.6
24	41.5	41.6	41.9	42.5	40.2	40.3	42.7	43.1	44.0	44.1	45.4	45.7	45.8	47.2	49.3	51.5	49.8	50.5	48.3	45.0	42.7	38.1	36.3	35.0	43.8
25	36.3	37.6	36.3	36.9	38.8	46.1	34.7	41.1	42.7	45.1	46.7	50.1	53.5	49.7	50.7	50.5	52.2	50.1	35.0	32.5	36.6	37.6	39.3	40.2	42.5
26 D	42.5	43.1	43.2	43.3	43.5	43.1	43.6	44.1	44.1	44.2	45.1	44.5	45.1	46.8	48.8	51.0	46.7	74.9	80.2	35.3	28.1	36.3	38.9	42.9	45.8
27 D	42.1	39.3	40.2	38.3	37.1	40.2	38.6	32.4	30.3	28.1	42.8	46.4	45.9	46.7	51.0	46.4	42.9	39.8	38.6	38.9	44.1	41.4	50.6	42.8	41.0
28 D	45.1	43.8	35.4	43.7	31.2	28.5	21.7	48.1	62.3	50.9	60.1	39.8	49.4	57.4	38.9	36.2	48.1	39.8	35.7	46.8	42.8	42.4	44.4	47.7	43.3
29	45.7	47.1	45.4	42.8	43.2	41.6	36.8	44.0	43.8	41.5	49.3	44.1	48.8	52.2	48.1	45.4	45.4	43.1	43.5	44.0	44.1	45.8	46.7	46.7	45.0
30	45.0	44.7	43.2	43.3	42.0	40.9	41.5	42.0	43.2	44.1	44.1	44.9	43.5	45.4	47.9	48.3	47.6	47.9	42.8	37.9	38.3	38.4	41.0	41.5	43.3
31																									
Mean	42.0	41.8	42.3	42.8	41.6	42.4	41.6	43.7	45.4	44.9	46.5	46.4	48.7	49.8	51.3	51.8	50.1	48.4	45.7	40.8	39.7	39.8	40.7	41.4	44.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook Z = 59,000 γ + September 1940

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	316	334	268	259	263	234	156	130	157	201	167	051	-082	052	131	133	158	206	228	238	247	247	242	240	191
2	241	238	234	235	239	241	242	241	254	242	081	118	131	157	165	185	200	214	221	227	235	239	250	275	213
3	345	324	251	239	237	194	151	223	229	183	176	112	100	179	210	228	223	229	249	250	276	298	277	273	227
4	266	311	279	244	266	256	236	223	125	020	016	050	164	213	237	235	227	227	240	240	255	278	283	286	216
5	264	256	276	243	231	242	233	223	180	155	168	171	209	176	194	215	220	218	224	240	241	243	248	230	221
6	225	234	239	239	235	215	200	221	187	101	096	094	170	224	224	219	219	220	220	220	224	243	256	254	207
7 D	261	303	273	232	119	163	223	272	206	119	146	155	167	161	145	172	225	223	225	227	235	254	271	285	211
8	280	241	226	243	265	272	241	212	160	015	050	087	161	075	103	146	168	190	215	228	238	240	242	252	190
9	268	286	286	271	241	241	229	220	154	036	049	096	183	147	113	126	168	189	223	245	271	287	277	271	203
10 Q	256	242	234	235	226	223	224	220	226	226	226	225	225	223	220	217	218	218	215	222	227	238	241	236	228
11	235	234	233	231	229	227	227	200	188	171	193	170	192	206	193	194	199	200	208	218	222	231	236	238	212
12 Q	239	236	235	233	231	229	228	233	228	234	231	226	227	226	225	227	227	227	226	226	230	231	234	229	230
13	228	226	227	227	227	227	226	226	225	224	221	220	221	221	220	219	219	218	218	222	225	225	223	220	223
14	223	225	234	264	253	230	225	225	222	221	220	220	217	220	220	215	204	200	205	203	235	217	233	241	224
15	238	228	228	235	276	244	244	226	114	191	244	233	223	228	216	221	235	233	238	238	239	241	241	243	229
16	239	234	233	235	246	257	256	211	227	239	236	231	219	199	122	135	177	211	222	229	240	244	241	239	222
17 Q	235	229	227	226	226	225	225	224	224	223	221	221	219	220	220	221	220	219	218	220	225	231	235	233	224
18	226	225	225	226	225	223	223	222	222	221	220	221	221	220	220	220	220	220	221	221	229	228	227	228	223
19 Q	228	228	228	228	227	227	224	224	226	224	223	222	221	223	219	216	214	213	212	214	219	225	227	228	222
20	226	225	224	225	226	233	228	227	224	200	175	174	180	164	185	183	183	203	218	220	226	234	235	238	211
21	230	235	236	231	231	237	247	223	210	141	071	129	150	116	171	204	223	227	233	240	234	234	231	232	205
22	235	229	230	229	230	231	232	241	228	187	151	195	201	208	205	216	221	220	223	230	239	240	234	235	220
23 Q	232	232	232	231	230	228	228	227	226	225	225	224	223	222	224	225	227	227	227	229	230	229	228	231	228
24	230	232	231	230	235	237	229	229	228	227	226	226	226	225	225	223	221	220	222	222	225	230	232	236	228
25	238	237	244	252	249	230	252	250	233	220	198	151	163	216	218	219	225	246	234	224	225	248	258	253	228
26 D	237	234	235	230	230	231	230	227	228	218	222	225	224	226	225	222	214	234	331	366	287	253	255	263	244
27 D	272	320	131	218	225	150	036	218	149	107	153	197	212	208	210	187	223	223	244	262	287	288	325	325	215
28 D	322	313	302	166	221	121	186	167	234	187	195	128	169	152	169	138	163	218	258	303	292	277	279	277	218
29	280	287	286	270	269	254	128	207	233	208	224	222	221	212	208	227	229	235	239	252	262	266	260	257	239
30	253	251	248	245	240	237	239	241	242	242	239	232	231	230	233	230	229	231	236	244	265	268	245	257	242
31																									
Mean	252	254	241	236	235	225	215	221	206	180	175	174	186	192	196	201	210	219	230	237	243	247	249	250	220

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook — September 1940

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	02	51	1016	12	45	-056	1072	07	01	105.5	13	07	-21.1	126.6	13	13	465	12	14	-167	632
2	23	43	801	10	27	501	300	12	31	63.6	20	50	31.7	31.9	23	56	292	10	27	26	266
3	00	50	1120	12	28	453	667	06	00	62.3	11	36	25.9	36.4	00	44	422	12	34	48	374
4	01	52	806	10	24	234	572	11	41	118.5	10	26	11.2	107.3	01	23	336	10	49	-95	431
5	00	13	790	13	47	663	127	03	41	65.0	20	14	31.6	33.4	02	56	306	09	00	61	245
6	12	46	762	10	34	549	213	16	01	58.7	06	21	31.1	27.6	22	49	268	10	34	52	216
7 D	02	25	1022	10	28	036	986	10	04	89.0	03	54	-14.3	103.3	10	30	471	05	02	-164	635
8	00	01	804	10	54	295	509	10	26	74.0	10	58	36.3	37.7	05	06	309	10	00	-56	365
9	03	04	858	13	11	443	415	02	59	79.9	11	10	21.7	58.2	02	50	327	11	09	-34	361
10 Q	04	37	739	17	22	700	39	15	08	50.2	07	31	38.0	12.2	00	00	263	07	30	208	55
11	12	46	738	10	54	670	68	11	02	55.4	18	12	36.8	18.6	23	52	241	10	25	144	97
12 Q	22	37	752	08	37	700	52	08	51	53.6	20	40	38.6	15.0	10	03	243	09	06	203	40
13	12	12	762	16	42	712	50	15	17	55.3	21	05	40.5	14.8	00	00	230	17	59	211	19
14	21	57	804	18	14	550	254	18	44	66.1	19	27	10.3	55.8	20	23	265	18	14	162	103
15	04	55	882	08	49	665	217	04	58	70.1	19	17	33.6	36.5	04	55	301	08	49	51	250
16	07	18	787	15	27	590	197	06	12	63.3	20	13	39.3	24.0	05	37	273	14	59	70	203
17 Q	11	55	747	18	03	692	55	16	36	55.4	22	57	39.9	15.5	21	34	235	18	46	218	17
18	10	28	754	18	33	672	82	15	43	58.4	20	46	37.3	21.1	20	48	232	09	54	216	16
19 Q	07	41	750	18	08	691	59	15	45	57.4	21	58	37.9	19.5	23	30	230	19	03	211	19
20	08	48	755	20	07	670	85	15	38	63.5	23	20	35.4	28.1	23	20	246	13	18	140	106
21	08	14	784	09	52	448	336	11	33	71.8	09	47	23.0	48.8	06	21	257	10	13	-12	269
22	14	06	748	17	38	715	33	09	30	63.5	10	09	36.4	27.1	20	36	243	10	00	85	158
23 Q	22	54	753	19	41	712	41	15	18	51.9	23	45	39.9	12.0	23	43	236	14	00	221	15
24	23	41	752	19	43	714	38	15	28	52.3	23	42	34.0	18.3	24	00	240	16	20	219	21
25	05	43	884	17	08	631	253	05	49	66.9	06	14	21.3	45.6	06	32	310	06	01	76	234
26 D	23	09	845	16	25	379	466	17	40	107.5	20	05	15.5	92.0	19	49	405	17	14	126	279
27 D	01	30	957	07	24	360	597	06	08	72.1	07	19	-24.4	96.5	01	25	384	06	47	-116	500
28 D	03	38	963	06	34	051	912	07	01	87.0	05	26	-40.4	127.4	06	52	392	06	00	-256	648
29	05	56	775	06	27	545	230	13	29	54.8	06	20	25.6	29.2	02	00	308	06	27	44	264
30	23	26	759	19	18	669	90	17	21	50.6	20	48	34.9	15.7	21	06	289	12	48	222	67
31																					
Mean			822			522	300			68.1			23.6	44.5			301			70	231
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 1940

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	730	789	797	815	764	775	680	670	637	320	374	406	483	445	692	709	576	597	633	708	716	707	705	703	643
2	712	712	712	717	708	715	728	730	713	703	676	576	664	632	620	693	647	597	685	691	708	719	716	712	687
3	715	725	719	727	776	842	695	528	500	330	489	547	568	677	716	715	715	703	688	711	724	734	717	720	666
4	733	739	773	766	758	778	729	725	724	725	726	726	727	721	725	723	722	712	709	710	709	714	718	718	730
5	720	726	740	734	731	739	743	735	726	713	701	715	726	716	680	726	729	727	717	721	722	719	722	725	723
6	734	733	729	731	731	731	730	720	703	739	699	675	674	595	693	729	699	701	715	715	727	730	729	766	714
7 D	792	815	743	797	856	796	701	202	285	390	578	496	026	359	402	354	510	579	615	659	750	863	853	799	592
8 D	874	938	874	866	596	848	712	271	504	449	415	593	599	710	682	697	601	659	645	679	719	734	761	755	670
9	748	718	730	734	736	726	726	716	712	654	658	707	733	732	732	716	725	719	718	718	717	713	720	718	718
10	722	724	726	727	729	733	733	733	727	736	713	654	623	714	745	741	730	711	713	714	720	728	716	722	718
11	735	722	726	734	732	688	724	729	725	737	737	693	685	727	718	731	732	732	720	711	714	718	725	726	722
12	732	735	753	744	742	752	743	733	731	733	733	685	726	749	742	733	714	711	703	706	717	712	705	717	727
13 Q	723	733	729	737	733	734	731	732	732	733	734	737	732	738	738	729	718	705	702	705	712	717	716	720	726
14 Q	728	731	732	731	733	736	737	739	739	740	740	742	746	741	740	728	721	711	706	705	713	717	719	727	729
15	736	744	744	751	750	782	770	745	738	376	623	754	740	727	742	739	719	702	694	694	710	720	713	731	714
16	728	728	730	731	728	726	709	694	591	685	733	751	743	736	729	715	686	701	672	686	691	719	717	717	710
17	732	739	748	743	740	741	741	740	741	740	741	747	746	745	739	736	727	713	705	708	717	725	724	725	734
18	723	726	738	738	747	750	767	496	684	734	750	725	750	742	744	739	728	708	708	711	736	730	740	735	723
19	732	730	737	794	750	741	733	721	676	529	667	629	550	691	740	730	712	703	701	703	721	731	735	725	703
20	740	735	726	730	741	749	739	727	735	731	730	726	721	731	730	721	710	697	698	702	712	715	722	691	723
21	723	737	740	740	739	743	758	770	736	723	632	552	749	747	731	727	710	694	704	694	700	711	738	697	716
22	728	735	739	746	740	753	423	655	729	730	708	426	502	731	751	739	730	720	704	703	707	711	718	726	690
23 Q	734	735	735	734	734	731	731	735	737	738	738	738	740	740	738	735	726	713	710	709	709	714	720	726	729
24 Q	731	733	735	736	737	737	737	736	737	738	738	738	742	740	737	728	721	717	710	712	718	724	726	730	731
25 D	736	741	747	744	743	739	744	746	747	747	753	738	713	746	764	760	748	735	734	730	742	745	718	742	742
26 D	740	750	751	744	745	746	744	745	750	671	689	744	730	725	594	662	507	624	709	658	710	771	735	715	707
27	728	711	717	745	749	734	665	612	681	676	592	490	621	679	696	684	707	697	695	698	704	707	711	706	684
28	732	745	734	736	728	729	698	643	566	613	632	736	724	703	717	732	722	710	707	708	686	704	713	721	702
29	730	732	733	719	735	747	741	734	723	723	719	713	716	730	734	730	729	721	713	709	713	717	723	728	726
30 Q	733	736	732	732	736	734	731	727	729	732	733	736	737	741	742	741	734	723	715	713	715	719	722	732	730
31	732	728	732	736	733	732	730	721	621	580	676	718	751	742	733	729	713	716	708	707	713	718	732	737	714
Mean	737	743	742	747	739	749	718	674	680	651	672	665	667	698	709	709	696	695	699	703	715	726	727	726	708

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38 Meanook — D = 25°E + ... ′ — October 1940

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	40.9	50.5	37.6	35.0	50.0	33.4	40.5	40.2	55.5	27.9	53.6	86.5	82.7	73.7	68.8	53.3	39.2	38.9	40.2	60.6	33.4	38.3	41.9	45.1	48.7
2	45.5	45.4	43.2	41.8	41.8	41.2	45.8	43.1	43.1	42.9	51.3	35.4	49.0	46.7	48.1	47.0	40.1	34.0	34.1	36.3	36.6	40.3	41.4	42.4	42.4
3	42.8	42.8	43.3	40.3	47.9	37.6	32.7	40.1	50.6	77.0	53.3	70.0	73.7	64.5	50.7	47.9	44.5	39.9	42.7	37.1	39.2	40.6	42.1	42.5	47.7
4	42.5	41.8	47.1	45.7	40.7	39.8	40.3	41.5	42.9	44.2	44.1	43.7	43.2	44.0	48.0	50.6	49.6	47.9	45.5	42.1	40.6	41.2	40.5	41.5	43.7
5	41.9	42.7	49.3	53.6	47.6	45.4	42.3	45.4	44.5	45.4	45.7	47.2	49.3	46.7	42.9	45.7	46.4	48.0	46.6	44.0	43.2	42.8	42.5	42.0	45.5
6	41.4	41.1	44.1	43.3	41.8	41.6	43.2	48.4	47.7	47.3	53.2	52.2	56.5	40.3	43.8	46.7	44.4	38.8	38.0	39.7	40.6	41.8	38.3	38.8	43.9
7 D	36.4	38.9	41.1	40.6	39.2	45.0	39.7	26.5	69.1	53.9	63.6	69.2	32.9	69.5	51.5	38.9	41.1	44.4	39.8	35.7	42.8	39.0	39.5	39.2	44.9
8 D	39.3	41.5	34.2	31.4	25.5	26.7	19.7	48.5	57.1	62.2	69.5	58.7	55.8	51.0	51.0	45.9	36.3	43.5	37.2	32.7	29.9	29.8	31.5	35.0	41.4
9	37.6	40.6	41.4	41.2	39.0	41.2	41.4	43.1	44.2	44.1	46.7	47.1	45.5	47.0	49.2	50.3	49.3	47.3	45.1	41.8	40.9	40.3	40.5	41.9	43.6
10	42.5	42.4	42.7	42.5	41.9	41.5	48.5	44.1	45.9	46.3	47.2	43.8	48.0	48.1	48.4	49.9	49.4	46.7	42.1	38.0	38.5	36.8	34.2	35.3	43.5
11	33.3	36.0	42.7	43.5	43.8	36.2	43.7	43.8	43.2	46.4	45.0	41.4	50.1	48.3	48.4	49.2	47.5	47.6	44.1	43.8	42.3	41.5	40.5	41.5	43.5
12	32.8	33.7	39.9	40.2	39.5	40.2	41.2	41.0	42.9	43.1	44.1	45.7	47.1	48.5	50.9	53.3	54.2	48.9	45.4	41.6	40.2	39.5	40.1	39.0	43.0
13 Q	37.9	37.5	40.3	42.0	41.5	41.4	42.4	42.7	42.8	42.9	43.8	44.2	45.0	46.6	49.3	51.5	51.6	48.1	44.5	42.0	40.6	41.5	42.8	43.2	43.6
14 Q	42.0	41.4	42.0	42.3	42.5	42.8	42.8	42.9	42.5	42.8	44.0	44.6	45.7	47.1	49.3	52.4	52.5	50.9	47.9	44.4	41.2	40.3	40.1	40.5	44.4
15	41.1	41.9	41.5	40.3	38.8	44.5	60.7	42.8	44.2	22.9	41.9	49.6	51.9	45.1	50.7	52.4	53.1	49.3	44.1	39.3	37.6	38.9	39.0	40.1	43.8
16	42.4	42.8	43.2	42.5	42.4	42.5	47.9	45.9	38.6	49.2	48.0	45.0	45.7	47.0	42.7	46.2	45.8	45.7	45.0	33.7	36.7	39.9	40.9	42.8	43.4
17	41.5	41.6	42.0	42.4	42.3	41.6	42.8	42.4	43.6	44.0	44.7	46.6	45.9	46.1	48.3	51.5	51.4	49.7	46.7	44.2	40.5	40.1	40.5	37.2	44.1
18	37.6	38.6	39.5	40.5	40.2	40.2	22.9	35.5	45.3	47.0	46.6	42.8	42.1	42.8	51.5	52.2	52.3	52.4	41.9	39.9	39.0	37.1	34.6	33.7	41.5
19	36.3	39.0	39.3	41.5	47.0	44.1	43.5	57.0	52.4	50.6	42.9	41.5	40.5	35.1	45.9	49.3	46.7	45.8	42.8	38.5	39.3	40.3	38.5	39.9	43.2
20	39.8	38.3	41.2	40.6	42.8	42.0	45.1	39.8	42.9	44.1	43.6	43.6	42.5	44.5	46.8	49.2	49.8	46.6	42.5	37.7	38.4	38.9	36.6	35.1	42.2
21	41.1	41.2	40.7	42.1	42.3	41.9	43.8	49.3	45.7	44.0	49.9	52.4	46.6	45.9	48.0	51.5	49.0	45.4	43.7	42.0	42.3	44.2	37.5	39.7	44.6
22	38.8	38.4	42.7	44.5	41.5	40.2	47.0	44.5	45.3	41.5	45.0	40.2	36.2	44.1	47.6	49.0	49.0	46.8	43.1	42.4	41.2	40.2	40.1	40.5	42.9
23 Q	41.5	42.7	43.1	43.1	42.9	42.8	42.9	42.5	42.7	42.8	43.1	42.9	43.3	44.5	46.7	48.0	47.9	45.7	43.1	41.5	41.5	41.5	41.8	41.8	43.3
24 Q	41.5	41.9	42.4	42.8	42.9	42.8	42.8	42.7	42.8	42.8	42.9	43.5	43.2	44.1	46.3	49.0	49.7	45.8	42.0	41.1	40.5	41.1	41.1	41.1	43.2
25 D	41.5	41.6	41.8	42.3	42.4	42.5	41.9	42.0	42.8	45.4	44.4	44.4	40.1	45.1	49.6	51.0	50.6	47.2	42.8	42.8	39.4	35.0	34.1	38.9	42.9
26 D	39.4	39.4	40.5	40.6	40.6	39.5	41.2	42.7	44.0	50.2	50.7	42.9	39.3	42.9	32.9	41.4	26.8	31.5	36.8	31.4	35.4	41.8	41.8	41.8	39.8
27	43.3	44.0	45.8	46.1	47.9	45.1	39.5	45.8	45.3	45.7	42.5	34.2	41.8	47.9	44.8	43.3	42.8	40.9	37.9	40.2	41.5	40 9	39.8	39.9	42.8
28	41.6	50.9	44.9	44.1	55.9	46.4	45.0	50.6	46.4	45.4	36.0	47.1	49.2	43.6	43.7	46.1	46.1	41.2	39.2	40.3	42.0	40.9	41.2	41.5	44.6
29	42.8	43.1	42.1	47.0	43.5	41.6	43.2	43.1	44.4	42.8	44.4	42.8	44.1	43.6	45.3	45.7	45.3	43.8	42.8	41.4	41.2	41.5	42.0	41.9	43.3
30 Q	41.9	42.1	43.8	43.6	46.7	42.7	42.8	43.8	49.2	45.0	44.4	45.1	45.9	45.8	46.6	48.7	49.8	48.1	44.9	43.7	42.5	42.0	42.3	42.0	44.7
31	41.8	44.4	43.7	42.3	42.0	43.7	44.1	43.8	40.1	40.7	49.2	51.1	48.4	48.9	49.8	47.0	41.9	43.3	42.0	41.4	39.8	41.1	41.4	42.4	43.9
Mean	40.3	41.6	42.2	42.2	42.7	41.2	42.0	43.4	46.0	45.5	47.3	47.9	47.5	47.7	48.0	48.5	46.6	45.0	42.4	40.7	39.6	40.0	39.6	40.3	43.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Meanook $Z = 59,000\ \gamma +$ October 1940

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	286	319	327	314	251	243	157	196	179	027	-027	-047	015	-029	083	127	165	201	245	357	330	257	242	250	186
2	261	256	252	250	248	247	164	197	241	218	199	129	169	148	117	163	180	176	228	247	256	262	260	258	214
3	256	262	261	277	281	283	203	138	067	058	037	071	031	078	188	194	212	222	255	264	244	248	248	253	193
4	264	293	305	275	301	302	259	248	246	242	238	233	233	231	232	237	237	236	236	235	238	247	248	248	253
5	251	257	255	266	261	282	263	246	244	206	172	192	209	220	201	213	229	228	231	241	243	243	244	242	235
6	246	246	250	249	244	241	241	205	179	205	160	139	109	104	170	199	200	222	226	235	245	263	273	292	214
7 D	346	329	305	335	316	226	220	201	266	322	186	270	091	-021	231	093	094	186	249	307	336	337	311	303	243
8 D	303	211	095	-069	056	123	199	189	281	301	224	153	236	227	219	174	179	234	244	268	297	310	287	286	209
9	268	254	252	252	262	264	262	250	241	214	183	206	230	243	244	240	242	241	243	248	253	254	255	249	244
10	248	249	248	248	248	255	258	247	226	229	216	150	138	180	224	240	244	243	243	252	263	270	274	284	236
11	299	294	277	275	267	167	224	236	222	221	232	182	145	198	209	219	223	227	229	232	244	249	254	263	233
12	305	325	301	282	274	269	258	252	245	236	230	194	191	224	233	234	232	231	230	230	233	238	243	247	247
13 Q	254	266	266	254	245	243	238	235	237	235	231	230	229	230	239	240	235	231	230	232	237	240	241	241	240
14 Q	238	237	234	234	233	233	234	235	233	231	228	227	230	232	232	232	231	231	231	233	237	239	238	236	233
15																									
16	253	248	246	245	240	236	229	203	034	127	183	216	222	211	196	193	198	215	229	247	239	233	238	239	213
17	241	237	241	249	252	250	244	239	235	235	231	228	231	230	227	229	230	229	227	226	225	231	232	236	235
18	240	239	236	233	235	240	249	035	179	216	224	178	215	224	221	225	222	222	224	224	226	237	261	267	220
19	257	250	254	304	277	255	247	161	093	-012	144	156	130	197	241	235	235	240	245	241	248	271	256	243	215
20	252	250	251	257	256	247	234	207	233	232	228	239	253	257	251	246	236	228	227	218	225	234	240	239	239
21	236	237	242	240	240	249	248	181	217	218	131	051	180	227	225	225	220	227	236	235	243	267	277	249	221
22	246	249	264	244	252	219	-054	159	223	239	212	090	034	195	233	236	241	231	231	231	233	237	237	237	205
23 Q	234	234	232	229	228	228	227	227	226	226	225	225	224	225	229	229	228	222	226	228	236	237	236	232	229
24 Q	230	230	230	228	228	227	225	225	224	224	223	223	222	222	225	226	226	225	225	227	230	231	229	226	226
25 D	228	229	228	226	225	224	224	224	223	217	227	207	184	197	222	220	217	213	210	209	208	208	211	221	217
26 D	224	222	220	222	224	225	225	220	213	160	142	192	188	167	026	137	103	210	260	245	273	294	260	246	204
27	249	259	275	271	231	231	133	144	204	188	142	119	108	175	228	206	241	228	234	238	247	246	247	248	212
28	269	281	260	253	222	188	185	132	058	079	085	209	207	203	211	208	218	215	224	227	238	241	237	227	203
29	227	226	227	238	263	248	233	225	201	211	211	205	202	215	220	219	221	222	225	226	226	225	224	223	223
30 Q	225	227	228	230	237	233	227	211	191	214	221	218	215	217	218	218	218	216	216	216	223	223	223	226	220
31	233	239	232	235	231	230	233	222	144	086	107	153	206	208	201	206	203	205	210	216	225	224	224	225	204
Mean	256	255	250	245	244	237	216	203	200	194	182	175	176	188	206	209	212	222	232	241	247	250	248	248	222

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook — October 1940

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	01	25	864	09	38	122	742	11	45	103.9	09	46	00.1	104.0	20	08	438	09	42	-135	573
2	06	50	786	11	18	477	309	06	45	61.0	11	10	28.2	32.8	20	25	267	11	20	76	191
3	05	44	873	09	14	137	736	09	33	97.6	06	28	02.5	95.1	05	14	321	09	46	-80	401
4	02	54	938	18	02	700	238	03	00	62.9	04	05	36.3	26.3	02	54	334	13	43	225	109
5	05	14	774	14	48	663	111	03	43	68.8	02	58	37.5	31.3	05	13	315	10	49	138	177
6	23	22	769	13	49	546	223	12	30	62.6	13	28	34.1	28.5	24	00	302	13	03	62	240
7 D	00	50	939	12	22	-089	1028	11	34	100.1	07	18	-23.9	124.0	07	28	480	07	46	-341	821
8 D	02	11	992	07	12	154	838	10	24	94.8	06	58	-44.6	139.4	09	32	445	03	59	-199	644
9	00	07	792	09	59	531	261	15	10	51.6	00	01	35.4	16.2	00	09	286	09	57	154	132
10	14	40	755	12	13	591	164	06	40	53.2	22	41	33.6	19.6	23	24	291	12	44	127	164
11	00	26	765	05	33	598	167	05	50	58.4	05	19	10.3	48.1	00	25	309	11	59	80	229
12	02	13	765	12	44	623	142	16	27	62.3	00	56	27.2	35.1	01	24	337	11	47	151	186
13 Q	14	16	744	17	43	695	49	16	17	54.2	01	47	36.7	17.5	01	53	275	12	53	225	50
14 Q	12	34	751	19	37	702	49	15	59	55.4	22	04	39.0	16.4	21	14	242	11	52	224	18
15	05	56	837	09	39	111	726	06	05	76.5	09	43	-05.7	82.2							
16	10	52	758	08	41	524	234	09	28	51.1	08	42	20.6	30.5	19	25	253	08	33	-105	358
17	01	45	751	19	00	703	48	15	56	53.5	23	19	34.0	19.5	04	26	259	14	36	219	40
18	06	27	815	07	34	236	579	15	52	58.4	06	54	-25.5	83.9	06	29	284	07	29	-130	414
19	03	23	830	09	11	412	418	07	56	72.3	09	07	23.4	48.9	03	24	333	09	06	-95	428
20	00	43	767	23	44	673	94	16	26	51.6	23	18	33.3	18.3	03	01	267	07	02	191	76
21	07	00	875	11	19	426	449	11	34	72.7	22	15	35.3	37.4	22	06	305	11	16	-50	355
22	05	47	869	06	29	040	829	05	53	83.1	06	58	-00.5	83.6	04	52	284	06	19	-128	412
23 Q	13	23	741	19	41	703	38	15	55	48.8	19	46	40.7	08.1	21	00	240	17	12	221	19
24 Q	12	12	747	17	00	696	51	16	17	51.3	20	08	39.3	12.0	21	08	235	12	22	219	16
25 D	21	12	773	22	04	678	95	16	40	56.2	21	57	30.1	26.1	14	37	234	12	51	163	71
26 D	21	19	791	16	36	436	355	14	53	57.1	14	16	05.1	52.0	21	36	306	14	32	-74	380
27	04	27	816	11	04	412	404	07	07	65.3	11	48	19.1	46.2	02	50	292	06	50	-55	347
28	05	06	774	09	01	462	312	05	01	71.5	10	13	31.1	40.4	01	28	301	09	00	01	300
29	05	14	753	12	12	685	68	03	50	55.1	22	15	36.0	19.1	04	48	268	12	13	178	90
30 Q	14	25	749	19	06	710	39	08	12	55.4	23	04	39.9	15.5	04	19	239	08	15	167	72
31	12	20	759	08	47	465	294	10	45	53.2	08	41	32.9	20.3	01	16	244	08	52	20	224
Mean			804			478	326			65.2			20.7	44.5			300			48	252
No. days			31			31	31			31			31	31			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 41 Meanook $H = 12,000\ \gamma +$ November 1940

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	735	737	732	730	735	735	689	694	466	407	607	611	647	713	731	740	729	712	701	706	719	729	737	739	687
2	743	741	738	727	733	732	728	683	656	710	724	629	724	746	747	737	725	711	705	707	710	728	729	730	718
3	730	731	746	747	772	731	743	716	589	634	348	502	608	701	745	747	729	709	700	703	717	718	730	738	689
4	734	731	728	750	756	688	713	726	706	734	730	740	687	547	613	657	678	682	702	722	695	721	742	765	706
5	743	747	748	788	796	842	744	357	477	468	482	550	584	630	715	739	729	711	706	708	707	717	723	725	672
6	731	731	734	739	740	731	739	725	673	673	722	731	739	740	741	740	736	725	719	712	726	728	730	732	726
7	740	739	731	730	734	758	739	729	719	724	709	542	582	731	751	748	741	730	721	727	731	732	738	745	720
8 Q	744	737	736	737	737	732	732	730	737	737	739	734	725	750	752	749	745	737	731	728	734	736	738	740	737
9	736	739	739	733	747	786	741	658	549	391	359	567	593	559	617	711	699	729	722	722	723	728	731	733	667
10 Q	739	739	740	747	742	736	732	731	734	736	725	744	745	743	741	739	731	722	721	720	727	732	738	740	735
11 Q	738	736	735	737	735	734	735	737	743	744	745	745	745	744	741	735	730	719	716	716	724	732	736	735	735
12 D	733	738	738	742	742	742	741	749	740	542	393	634	714	727	727	727	718	715	695	700	726	730	751	784	706
13 D	884	906	862	997	887	786	885	718	740	662	633	588	549	583	633	698	706	718	724	725	718	727	730	733	741
14	747	733	740	745	743	751	784	768	739	680	572	709	665	709	740	728	709	698	709	715	733	718	712	726	720
15	746	752	741	740	746	737	724	696	748	741	736	727	741	735	737	724	725	715	718	720	712	710	723	732	730
16	750	757	755	752	740	738	733	733	737	736	736	742	743	742	741	723	657	641	677	687	678	683	689	722	720
17	722	729	732	736	736	731	731	730	729	730	731	734	736	737	732	691	668	708	703	676	708	733	718	731	721
18 Q	740	744	746	745	740	736	736	733	732	728	713	724	731	729	733	728	724	713	709	710	717	723	723	730	729
19 Q	742	749	754	750	748	748	743	739	709	684	749	743	743	743	743	742	738	732	730	732	735	740	741	743	738
20	748	748	748	747	748	743	744	746	747	748	750	750	750	749	750	743	741	730	723	724	716	698	730	735	740
21	742	744	748	743	746	749	743	759	538	255	271	543	591	820	770	748	734	731	726	724	727	723	725	757	682
22 D	747	758	775	807	801	861	777	545	649	460	324	462	705	782	744	741	735	729	728	730	707	700	745	733	698
23	727	746	732	790	768	724	403	-112	023	214	295	410	485	721	764	740	732	719	710	710	712	720	736	738	592
24	726	726	725	724	723	726	738	724	734	732	729	732	730	732	731	730	731	722	714	715	723	721	726	740	727
25 D	755	744	742	743	743	742	741	735	704	382	691	640	442	416	068	494	519	739	715	715	722	730	723	732	641
26	723	740	733	723	725	718	702	486	050	484	696	732	732	727	712	737	694	723	732	734	733	734	737	741	677
27	736	726	726	743	743	740	740	737	722	732	738	714	639	640	733	741	731	725	711	713	722	732	747	749	724
28	750	749	748	741	744	743	744	742	738	740	735	738	721	747	748	739	747	739	735	729	729	730	722	740	739
29 D	740	747	747	755	780	819	803	745	510	605	695	663	444	415	460	663	663	588	663	687	716	718	754	752	672
30	740	779	780	756	750	752	740	728	677	611	670	689	706	721	709	696	716	735	729	723	726	724	726	726	721
31																									
Mean	744	747	746	755	753	750	733	673	634	614	625	659	665	693	696	719	712	714	713	715	719	723	731	739	707

72849-7

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42 Meanook D = 25°E + ... ′ November 1940

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	42.8	43.2	43.6	44.1	43.2	44.1	52.4	45.7	47.1	42.7	47.7	58.0	60.6	56.3	43.6	49.3	47.0	43.7	39.4	38.9	40.2	40.7	41.2	42.7	45.8
2	43.6	44.1	44.1	48.5	43.7	43.5	48.7	54.4	53.2	48.8	44.4	36.3	44.1	48.0	48.1	48.5	48.4	47.0	45.3	42.9	42.0	40.6	41.2	41.1	45.4
3	40.4	41.4	46.3	43.5	41.7	50.9	46.0	47.6	46.6	53.5	39.1	56.4	57.6	60.0	57.3	53.1	49.6	41.7	37.6	36.2	37.6	37.1	36.8	38.5	45.7
4	39.3	40.8	43.9	44.9	42.4	54.7	49.7	47.5	49.8	45.6	45.0	46.2	51.5	50.6	49.8	43.0	43.7	41.9	37.1	42.6	40.1	38.5	39.2	36.5	44.3
5	39.2	42.2	43.0	47.2	51.5	41.0	47.9	51.0	47.2	53.6	50.0	41.7	43.1	44.5	44.5	48.3	47.9	45.8	42.0	42.0	42.0	42.2	41.8	42.2	45.1
6	42.7	43.4	51.7	42.7	42.6	46.6	46.1	42.5	39.1	41.7	41.8	45.6	47.3	46.9	46.9	48.1	47.5	45.9	41.6	41.0	40.5	41.2	41.3	42.3	44.0
7	42.6	43.3	44.4	42.2	43.9	45.1	41.6	51.1	57.4	42.1	45.2	37.0	39.0	50.4	47.8	47.8	47.7	46.4	42.6	41.4	40.9	41.6	42.1	41.6	44.4
8 Q	42.2	41.3	42.6	41.8	41.8	42.2	41.9	43.6	45.1	45.2	46.0	44.5	43.9	47.9	47.0	47.8	46.6	44.2	41.3	40.1	40.1	40.3	40.8	41.4	43.3
9	40.9	40.7	41.1	40.8	39.4	41.5	45.6	41.2	53.6	50.3	50.6	56.2	68.2	58.0	47.4	47.7	44.2	41.6	42.0	40.6	42.5	41.5	40.6	40.7	45.7
10 Q	40.9	42.5	42.5	43.9	41.3	42.1	43.8	45.5	44.1	42.9	41.5	44.1	44.3	44.3	45.1	45.8	46.1	45.5	43.4	42.5	42.0	41.7	42.4	42.5	43.4
11 Q	42.5	42.5	42.8	42.8	41.8	42.2	41.2	42.2	42.2	42.4	42.6	43.0	43.7	43.9	44.8	46.4	46.9	45.4	43.5	42.5	41.2	41.5	40.9	40.7	42.9
12 D	41.1	41.1	41.6	42.1	42.4	42.3	42.4	42.4	44.1	61.9	96.6	64.8	54.7	50.5	46.3	49.7	50.2	43.3	41.7	36.0	37.7	38.5	43.8	42.8	47.4
13 D	41.1	36.2	18.3	01.2	13.5	25.9	34.6	37.9	38.5	43.8	53.8	54.1	57.0	61.9	57.1	48.6	53.5	44.7	43.7	41.2	40.8	39.7	42.0	42.0	40.5
14	42.1	41.2	39.1	41.1	41.6	41.5	40.7	45.3	40.8	41.0	41.1	45.4	49.8	44.2	49.3	50.3	50.2	44.0	40.8	41.1	40.5	41.1	41.2	41.5	43.1
15	40.8	41.6	44.1	44.3	42.7	42.7	51.8	29.4	40.8	43.2	44.5	46.3	44.2	46.6	45.7	48.9	47.7	43.6	42.5	41.9	41.0	35.9	35.8	38.1	42.7
16	38.9	42.3	44.6	44.4	42.6	43.1	42.0	43.0	42.7	43.5	44.1	44.0	45.6	44.8	46.6	51.4	35.5	30.5	35.8	35.2	32.2	37.6	33.6	37.1	40.9
17	42.2	45.0	45.3	45.4	44.9	44.3	43.5	42.3	42.0	42.4	43.1	44.3	44.8	45.3	47.0	46.2	43.1	40.7	40.0	33.1	31.9	36.1	38.9	38.8	42.1
18 Q	43.3	43.6	43.9	44.4	43.6	43.0	43.0	42.8	43.6	44.2	41.4	44.9	44.6	44.8	46.2	47.9	48.4	47.8	45.2	42.4	41.3	40.7	40.1	41.6	43.9
19 Q	43.3	42.3	43.0	43.7	43.5	43.0	42.2	43.7	42.3	39.4	46.1	49.5	47.8	47.5	47.9	48.8	50.0	47.9	45.2	42.8	41.6	41.3	41.6	42.3	44.4
20	41.7	42.2	42.7	43.0	42.6	42.6	42.3	42.2	42.2	42.3	42.2	42.5	42.9	44.0	46.1	44.5	45.8	45.7	43.2	43.2	41.2	37.1	36.4	36.6	42.3
21	40.3	39.6	43.6	45.1	43.8	41.5	41.4	46.0	48.7	71.1	40.6	55.2	61.8	41.9	46.5	48.7	47.3	45.3	44.1	42.3	40.9	40.5	41.9	43.8	45.9
22 D	43.8	39.6	41.9	37.4	45.1	37.0	26.2	44.4	41.5	44.0	58.5	64.0	54.2	48.1	49.0	48.6	46.2	43.8	43.0	41.4	41.8	38.8	40.1	40.9	44.1
23																									
24	44.3	44.7	45.0	44.7	45.2	48.5	40.5	41.1	41.4	42.6	43.0	45.2	47.0	45.7	47.3	48.0	45.7	42.8	42.1	40.4	39.8	38.3	38.7	40.7	43.4
25 D	41.3	41.8	42.1	43.0	42.5	42.9	42.8	42.5	45.7	39.6	45.6	59.4	69.1	46.8	20.0	44.3	24.6	40.5	36.4	40.1	39.9	41.1	38.6	37.4	42.0
26	42.7	44.1	48.5	47.3	53.8	54.0	43.7	29.5	01.7	35.8	42.0	52.8	52.0	47.1	47.2	44.7	41.6	42.5	41.6	40.8	42.0	43.2	43.3	43.3	42.7
27	42.4	43.8	48.4	43.3	43.4	43.6	43.3	44.3	44.6	42.5	43.2	46.3	45.1	31.3	45.9	48.4	48.5	44.7	39.4	38.1	37.7	41.0	39.8	40.8	42.9
28	41.7	42.7	43.0	43.3	43.2	42.9	42.0	42.1	41.7	42.3	41.1	43.9	40.1	44.6	45.4	44.5	44.6	43.3	42.0	41.0	40.0	37.3	38.1	36.1	42.0
29 D	41.6	43.6	43.8	40.6	42.2	85.2	42.3	39.0	53.6	35.3	48.9	57.5	60.5	54.4	11.0	38.8	41.8	30.5	26.3	31.6	37.4	39.6	44.2	41.8	43.0
30	42.2	44.6	41.9	59.2	45.5	43.5	42.0	39.3	33.8	26.3	35.9	51.1	50.5	45.7	42.6	36.4	42.4	37.9	35.4	37.0	39.3	39.3	41.0	42.0	41.4
31																									
Mean	41.8	42.3	43.0	42.6	42.6	44.9	43.2	43.1	43.3	44.5	46.4	49.0	50.2	47.8	45.2	47.0	45.6	43.1	40.8	40.0	39.9	39.8	40.3	40.6	43.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Meanook $Z = 59,000\ \gamma +$ November 1940

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	225	225	224	224	223	224	067	104	099	121	152	025	066	161	216	212	204	211	215	223	224	223	223	219	180
2	221	222	221	226	229	223	187	075	120	175	193	112	171	204	214	215	215	217	222	224	226	228	227	222	200
3	227	228	256	260	222	239	245	222	125	167	092	-038	073	114	143	172	187	197	210	218	224	226	230	231	186
4	239	251	252	264	251	170	197	218	187	217	206	217	174	018	-005	046	125	195	225	243	252	261	272	280	198
5	293	257	250	246	236	227	234	-042	150	165	066	157	156	157	204	202	208	207	215	218	224	225	227	226	196
6	223	232	227	230	229	227	222	199	163	136	188	200	203	202	209	208	209	216	215	215	221	224	223	219	210
7	220	217	219	222	239	263	241	138	165	189	171	101	125	164	191	211	212	211	211	212	214	211	209	209	198
8 Q	213	215	226	222	226	231	224	212	211	191	196	200	177	189	196	201	200	199	200	203	208	210	210	209	207
9	212	212	214	223	253	234	211	172	052	214	-027	101	057	107	179	181	162	172	199	215	225	226	228	227	177
10 Q	228	229	229	237	227	223	219	205	199	206	195	207	213	214	214	214	215	215	215	214	214	215	214	212	216
11 Q	211	212	211	210	211	214	214	213	211	210	210	209	208	208	209	211	211	209	207	210	213	214	213	213	211
12 D	217	220	216	214	210	210	209	209	205	162	050	106	188	193	199	196	192	195	207	226	250	279	275	267	204
13 D	238	088	094	013	187	178	214	164	174	259	250	218	163	143	153	214	227	239	245	242	237	236	233	230	193
14	231	239	253	260	240	252	244	241	233	198	113	208	196	241	248	237	225	221	224	228	242	245	250	250	230
15	259	262	265	261	251	241	212	149	231	241	232	221	230	225	232	226	226	221	225	235	237	235	238	244	233
16	234	248	241	231	241	242	241	232	231	226	229	219	225	230	228	226	200	180	201	233	234	250	262	267	231
17	250	246	239	234	231	224	223	222	227	230	231	231	230	228	225	194	175	186	194	197	208	244	244	259	224
18 Q	246	243	241	241	233	232	231	230	226	223	219	222	232	231	238	239	237	234	232	234	236	234	231	233	233
19 Q	240	239	233	229	225	224	226	226	197	141	221	227	232	226	225	225	225	223	224	225	224	224	221	222	222
20	222	224	223	222	222	221	221	220	219	219	219	218	213	204	204	206	203	209	213	219	225	224	234	257	219
21	277	281	271	249	238	240	241	215	076	-092	209	218	238	273	280	251	240	238	235	233	238	241	251	298	227
22 D	299	314	333	347	354	311	187	103	097	211	205	-007	049	229	244	234	230	232	233	237	239	242	260	256	227
23	248	263	272	289	254	151	222	105	248	108	260	238	204	206	228	241	243	233	231	234	232	236	240	241	226
24	239	240	237	236	235	223	168	213	227	232	232	233	223	224	221	220	220	220	221	228	230	230	231	232	226
25 D	235	238	241	240	233	232	231	233	202	-127	152	126	077	-004	-045	-007	035	196	223	231	239	252	258	270	165
26	261	254	268	249	200	159	159	076	-066	166	178	222	239	218	221	219	211	239	238	236	238	238	235	234	204
27	233	235	243	243	239	235	234	237	200	229	229	206	146	111	166	201	214	220	221	232	232	236	233	231	217
28	229	228	230	233	239	239	234	230	221	220	215	222	212	221	226	226	229	222	223	227	232	233	241	252	228
29 D	243	244	235	240	242	093	192	220	009	-013	140	124	017	057	097	155	195	202	210	229	249	263	306	278	176
30	249	274	255	238	220	233	226	213	146	072	078	135	145	198	196	186	185	213	222	231	236	243	243	241	203
31																									
Mean	239	236	237	234	235	220	212	182	166	163	177	169	169	180	192	199	202	212	218	225	230	235	239	241	209

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook — November 1940

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	06	18	809	08	57	136	673	11	59	72.3	09	11	10.0	62.3	09	37	231	06	45	-106	337
2	13	34	751	12	29	576	175	06	52	65.3	11	11	27.2	38.1	03	46	236	07	33	44	192
3	04	29	866	10	19	154	712	12	00	84.7	10	24	07.2	77.5	04	25	286	11	01	-70	356
4	23	06	793	13	44	487	306	05	47	71.8	06	06	29.4	42.4	24	00	305	14	00	-81	386
5	05	22	883	07	25	137	746	07	29	78.3	08	07	07.5	70.8	05	37	331	07	46	-159	490
6	04	41	751	08	58	619	132	01	59	58.3	04	46	37.4	20.9	01	51	250	09	19	83	167
7	05	32	790	12	01	418	372	08	02	64.7	11	38	26.7	38.0	05	48	276	11	33	52	224
8 Q	13	37	759	12	17	713	46	13	06	49.4	12	12	37.9	11.5	05	54	238	12	27	158	80
9	05	20	822	09	44	206	616	12	24	77.9	09	56	13.0	64.9	09	42	328	10	06	-187	515
10 Q	03	21	753	10	15	711	42	16	08	46.5	10	18	39.5	07.0	03	21	248	10	25	184	64
11 Q	21	05	750	19	00	712	38	15	46	47.7	04	51	40.9	06.8	21	07	220	12	39	205	15
12 D	23	38	813	10	22	259	554	10	18	111.9	19	27	29.8	82.1	22	54	307	11	07	16	291
13 D	03	09	1166	12	11	497	669	02	36	74.6	03	46	-51.6	126.2	02	36	466	03	50	-432	898
14	06	31	824	10	16	517	307	12	24	57.7	02	55	35.9	21.8	02	56	280	10	42	70	210
15	00	37	764	07	20	618	146	06	38	70.3	07	22	13.0	57.3	02	40	273	07	16	44	229
16	23	19	763	17	32	622	141	15	43	53.9	17	56	24.6	29.3	23	20	298	16	53	168	130
17	21	08	784	16	19	630	154	15	18	56.9	19	52	24.6	32.3	21	13	292	16	21	149	143
18 Q	00	04	757	10	22	688	69	16	17	48.9	10	21	39.0	09.9	00	54	266	10	36	210	56
19 Q	10	34	762	08	59	589	173	11	36	53.7	08	58	27.0	26.7	00	44	245	09	02	74	171
20	22	53	777	21	35	683	94	16	15	48.7	22	56	31.9	16.8	24	00	300	16	09	200	100
21	07	42	867	10	25	068	799	10	25	97.8	10	07	-14.4	112.2	10	34	434	09	31	-259	693
22 D	05	48	961	09	57	087	874	10	49	116.6	06	52	-02.0	118.6	09	55	465	10	53	-186	651
23	03	52	873	07	40	-351	1224								08	16	583	07	32	-398	981
24	06	36	774	18	36	699	75	05	44	57.2	06	49	29.5	27.7	01	00	242	06	20	128	114
25 D	10	31	801	14	38	-340	1141	12	16	98.5	14	32	-48.9	147.4	23	50	277	09	15	-352	629
26	06	43	815	08	35	-112	927	08	47	86.6	08	16	-53.4	140.0	02	26	297	08	14	-384	681
27	07	55	773	13	05	588	185	14	30	52.7	13	33	25.2	27.5	07	57	254	13	33	78	176
28	00	02	760	22	03	707	53	17	19	46.5	23	07	33.8	12.7	23	24	263	12	48	91	172
29 D	05	08	1041	13	58	192	849	05	18	113.5	14	30	-49.6	163.1	23	15	340	09	02	-240	580
30	02	02	810	09	33	533	277	02	14	70.5	09	48	17.1	53.4	01	43	312	09	34	12	300
31																					
Mean			820			401	419			70.1			13.4	56.7			305			30	275
No. days			30			30	30			29			29	29			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 45 Meanook $H = 12,000\ \gamma +$ December 1940

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	752	751	742	768	758	743	717	639	714	642	604	733	752	731	742	751	743	719	729	728	731	734	729	725
2	746	745	765	782	747	752	739	736	735	688	313	635	711	724	723	660	732	729	714	724	728	725	708	723	708
3	750	755	748	756	748	741	742	739	738	704	637	564	656	728	700	736	756	737	748	728	725	710	728	744	722
4	743	746	745	731	747	747	776	749	730	685	683	684	618	717	722	730	747	739	724	733	732	732	736	743	727
5	745	745	746	738	761	776	763	750	739	739	722	738	740	740	729	739	746	738	733	731	736	738	731	735	742
6 Q	745	747	748	743	739	744	743	740	723	726	731	737	747	748	748	754	750	737	728	723	720	722	726	732	738
7 Q	743	743	737	739	741	741	742	740	740	729	732	744	747	748	746	743	741	740	740	739	735	733	733	741	740
8 Q	747	745	748	747	749	748	748	747	747	749	749	749	750	751	752	751	749	742	740	734	733	733	734	738	745
9	745	754	762	763	762	780	800	761	680	734	700	722	614	647	751	752	751	742	735	736	739	740	740	740	735
10	742	747	753	754	758	763	754	751	749	744	740	730	762	754	753	747	715	732	742	731	730	730	736	736	744
11	738	750	747	750	750	747	749	749	746	741	741	735	738	741	740	740	734	725	727	730	731	704	702	754	738
12	741	732	755	756	757	757	749	728	730	762	744	741	739	729	728	714	695	745	739	729	730	736	736	736	738
13	745	753	772	764	758	747	746	746	726	591	736	747	749	747	748	738	744	741	734	729	727	723	735	741	737
14	746	756	760	762	760	757	753	743	732	731	716	583	638	748	758	749	722	620	638	711	731	719	728	740	721
15	742	745	756	748	750	753	749	749	745	740	739	735	737	737	705	726	749	728	720	712	710	735	731	722	736
16	752	757	751	747	746	744	756	740	722	677	713	738	726	705	741	751	747	733	728	728	733	735	737	743	735
17	750	749	750	750	749	748	746	744	743	742	737	744	717	681	725	754	754	746	727	726	732	730	737	750	739
18 Q	748	748	753	753	754	753	749	746	748	732	735	731	739	754	754	751	749	744	739	733	734	741	735	744	744
19 Q	753	736	744	757	760	754	748	744	743	736	716	704	730	755	754	750	744	733	720	724	731	734	744	748	740
20 D	756	747	755	751	747	758	774	747	728	627	287	354	373	376	757	599	616	700	723	723	721	718	750	770	661
21 D	779	819	807	837	760	866	583	565	489	513	533	353	647	748	670	696	741	731	714	712	707	732	730	731	686
22 D	744	737	756	749	766	749	737	685	629	583	531	465	412	590	735	680	740	723	734	727	730	740	735	739	684
23	721	733	747	739	736	730	729	703	683	632	651	701	514	632	703	657	614	702	718	695	693	700	713	739	691
24	767	748	738	746	744	744	744	726	716	723	714	711	716	709	727	755	748	741	736	735	728	723	721	732	733
25	748	744	744	744	755	753	751	550	684	734	660	611	679	731	761	734	697	722	733	734	732	726	734	739	717
26	744	744	743	726	737	748	730	725	693	513	542	575	670	754	767	755	755	749	737	720	725	725	736	735	710
27	741	747	745	734	740	748	745	727	700	731	745	734	664	579	730	725	746	755	745	742	742	739	735	741	728
28	748	742	740	739	744	752	744	735	716	693	752	749	735	742	743	753	754	753	747	743	734	679	708	785	739
29	864	743	735	762	785	793	791	702	718	690	615	640	744	742	731	711	679	707	732	744	718	722	735	744	731
30 D	754	743	751	739	763	766	728	551	467	667	641	520	643	686	723	741	725	692	696	697	750	751	770	764	697
31 D	770	800	797	800	808	783	729	619	705	707	687	677	729	743	718	714	670	656	684	711	743	743	747	752	729
Mean	752	750	753	753	754	758	744	715	703	693	664	660	681	708	735	727	728	727	726	726	729	727	732	742	724

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46 Meanook D = 25°E + ... ′ December 1940

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	42.9	43.8	44.1	46.8	49.4	43.5	42.4	40.7	31.5	43.5	40.5	31.2	43.6	45.9	40.9	41.6	45.4	42.6	38.1	36.7	37.2	40.1	40.3	39.0	41.3
2	40.2	44.5	44.8	51.1	41.5	45.5	47.9	53.3	45.4	44.0	44.8	46.7	45.5	44.9	44.5	44.4	42.4	41.0	42.2	40.2	39.8	40.0	38.6	40.9	43.9
3	41.7	43.6	47.8	44.3	44.5	44.0	43.9	42.7	42.5	44.4	38.3	49.3	45.4	46.7	35.2	43.1	46.5	43.2	42.5	38.9	40.2	40.5	38.5	40.5	42.8
4	41.8	41.9	42.1	47.4	43.0	45.1	58.7	43.6	44.3	38.9	40.9	47.7	39.9	44.7	39.7	34.4	37.9	37.9	39.9	41.8	40.6	41.1	41.9	41.1	42.3
5	41.4	41.5	41.7	51.7	42.7	40.8	44.3	43.5	44.7	41.7	40.5	41.8	42.7	43.5	41.1	43.4	45.4	44.8	40.6	39.6	38.5	38.9	38.7	41.3	42.3
6 Q	41.7	42.0	42.2	43.3	44.0	44.3	43.6	42.5	41.7	44.3	43.5	43.6	42.9	42.2	42.6	43.1	45.3	45.6	44.6	43.3	42.5	41.4	41.7	41.8	43.1
7 Q	41.6	42.0	44.4	43.1	43.9	43.3	42.7	42.9	42.6	40.9	40.9	42.5	41.7	42.7	43.1	43.8	44.6	43.6	43.0	42.3	41.6	41.2	41.6	41.4	42.6
8 Q	41.7	42.0	42.5	42.7	42.7	42.7	42.6	42.5	42.5	42.2	42.2	42.4	42.4	42.9	43.1	43.8	45.7	45.5	44.8	43.9	43.5	42.9	42.2	42.0	43.0
9	41.6	41.7	41.5	41.7	41.6	40.9	38.3	45.5	44.5	47.7	48.1	48.1	50.7	47.3	47.6	45.8	46.1	44.7	43.5	43.0	42.8	41.6	40.3	38.6	43.9
10	40.9	40.7	39.0	41.3	42.5	41.3	41.6	42.9	44.6	44.2	47.9	44.4	45.8	46.1	45.2	47.0	46.4	36.4	40.3	41.5	41.9	40.6	39.2	41.7	42.6
11	40.9	40.8	42.3	41.1	40.6	40.6	41.1	43.0	39.9	43.7	43.7	45.5	46.0	44.9	44.7	44.9	45.6	46.5	40.7	39.0	39.1	39.5	36.1	36.4	41.9
12	35.0	38.1	39.4	41.0	41.5	41.5	40.8	39.9	49.8	45.7	44.8	45.8	44.1	38.8	37.3	38.2	43.4	45.7	45.4	43.3	39.7	39.4	40.8	38.9	41.6
13	39.9	48.0	36.3	38.9	41.4	42.2	43.6	43.2	42.8	29.2	41.8	44.2	43.2	42.9	43.2	44.1	44.6	45.0	43.6	42.0	41.2	38.8	38.9	39.6	41.6
14	40.7	39.6	39.8	40.3	41.5	41.5	40.2	40.5	42.9	39.4	44.6	39.3	32.4	46.0	45.3	45.4	44.1	27.5	20.3	27.6	32.9	35.1	35.5	38.9	38.4
15	40.0	41.4	40.7	42.3	43.2	42.6	41.5	43.0	42.4	42.7	42.6	45.3	44.5	44.5	40.4	45.9	45.8	45.9	43.2	38.7	37.5	38.7	37.2	37.9	42.0
16	40.9	40.6	42.6	44.0	43.3	43.3	43.0	41.9	42.6	34.9	40.4	44.8	43.3	40.6	44.7	47.9	47.5	44.8	43.1	40.1	37.8	38.8	38.8	40.1	42.1
17	39.6	40.4	40.5	40.7	41.7	42.4	42.7	41.9	41.4	41.0	41.1	44.2	42.4	35.7	34.6	40.5	44.0	43.0	38.6	38.7	38.9	37.5	36.7	38.4	40.3
18 Q	40.0	40.6	40.3	41.8	42.6	42.5	41.7	43.2	41.3	43.2	43.4	42.9	40.0	41.7	42.9	43.5	44.3	42.9	42.1	41.2	39.1	38.7	39.0	38.0	41.5
19 Q	38.4	39.2	41.6	42.0	42.3	42.1	41.2	41.3	42.3	42.0	39.1	42.5	41.8	43.6	43.2	43.9	44.3	42.5	41.6	41.0	40.4	40.0	37.9	39.2	41.4
20 D	38.0	40.4	42.0	42.2	42.9	48.8	42.1	44.6	42.6	44.2	-12.0	55.0	80.3	45.5	44.6	37.4	39.6	41.3	39.1	42.3	39.2	39.5	34.9	37.1	41.3
21 D	40.5	46.1	41.6	50.0	46.4	36.8	37.9	37.3	30.8	35.0	52.9	35.3	41.2	51.9	47.1	40.3	45.0	42.8	42.5	41.3	40.4	41.7	39.5	40.0	41.8
22 D	41.9	54.7	52.6	49.5	46.7	49.9	45.6	39.4	46.8	49.5	41.1	72.4	42.1	37.4	47.4	44.1	38.6	38.9	40.8	41.2	40.8	40.0	41.9	42.0	45.2
23	41.7	46.5	41.6	42.2	43.1	44.1	46.4	43.1	47.7	51.9	44.2	49.3	42.4	38.3	37.6	31.7	27.5	35.8	37.4	38.9	38.4	38.8	39.5	43.4	41.3
24	41.1	40.3	41.2	42.9	46.9	43.2	45.4	44.9	43.2	41.2	44.0	45.9	42.3	42.7	37.2	42.0	42.7	42.9	41.1	40.4	41.0	40.3	40.3	40.4	42.2
25	39.4	39.8	41.1	48.8	42.4	42.8	44.7	38.5	47.7	46.8	35.2	39.5	48.8	43.0	42.9	39.2	34.0	32.3	36.6	40.6	40.3	40.4	41.4	41.9	41.2
26	42.1	41.5	41.8	42.7	39.9	41.4	44.7	43.7	46.3	37.1	50.7	58.3	50.3	45.0	43.7	44.0	44.4	44.1	41.6	37.8	38.0	41.6	41.1	42.3	43.5
27	41.7	41.8	41.7	44.6	45.4	44.5	44.3	44.0	45.4	44.3	42.7	43.9	46.2	35.0	36.7	35.7	40.5	39.6	39.7	39.8	40.2	41.0	41.5	41.9	41.8
28	41.0	41.4	40.0	42.3	46.5	42.4	41.4	42.6	42.8	43.1	41.0	42.9	44.3	38.4	41.9	43.1	43.9	42.3	41.5	41.3	42.0	39.6	39.1	38.1	41.8
29	39.8	42.3	42.0	43.7	53.2	49.1	37.7	34.2	42.8	41.0	41.4	37.4	44.0	43.0	40.0	41.7	34.4	36.1	37.2	41.0	40.3	39.1	39.4	41.4	40.9
30 D	41.2	42.5	43.5	43.5	58.4	52.1	44.8	24.6	-29.8	49.2	55.5	48.3	45.3	42.3	43.8	44.3	42.8	31.7	31.0	27.1	35.2	37.4	39.5	39.6	38.9
31 D	39.2	40.1	57.2	42.2	38.8	43.1	45.3	34.7	45.2	44.8	44.0	34.8	41.6	44.8	46.9	48.3	39.3	33.7	27.2	33.8	40.1	39.1	40.2	40.9	41.0
Mean	40.6	42.2	42.6	43.9	44.0	43.5	43.3	41.6	40.7	42.6	41.6	45.0	44.7	43.0	42.2	42.5	42.6	41.0	39.8	39.6	39.7	39.8	39.4	40.2	41.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook $Z = 59,000\ \gamma +$ December 1940

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	246	244	246	253	219	247	235	198	094	172	164	095	183	207	203	201	213	215	223	234	244	251	264	261	213
2	277	277	276	287	270	259	219	217	218	187	026	091	159	180	189	170	222	218	228	234	243	247	254	275	218
3	258	255	261	248	242	236	235	233	222	191	107	084	146	170	129	158	217	230	242	239	246	256	255	250	213
4	247	240	245	250	251	246	195	202	213	157	124	149	151	178	155	169	184	210	224	237	233	235	240	243	207
5	242	241	243	252	258	263	242	250	232	231	212	224	225	225	222	231	231	233	236	236	240	248	249	246	238
6 Q	248	248	249	250	261	253	247	236	212	166	200	227	232	233	233	233	237	239	240	244	247	248	248	248	237
7 Q	248	243	247	247	247	241	238	236	234	218	224	233	235	235	237	237	236	235	236	237	239	240	242	243	238
8 Q	242	241	241	240	239	239	239	239	239	239	237	236	237	238	239	241	241	241	241	241	241	241	241	241	240
9	241	243	243	243	245	274	285	274	206	212	222	234	135	089	176	229	236	239	238	240	240	239	238	240	228
10	244	244	248	243	242	259	261	257	254	243	231	209	233	236	233	231	219	185	217	224	240	244	246	246	237
11	245	247	245	251	257	256	250	240	229	228	246	239	232	232	231	232	232	230	230	231	232	235	239	268	240
12	262	262	257	247	243	246	247	238	199	254	238	227	220	209	192	173	165	195	215	215	219	222	225	236	225
13	249	263	266	257	253	242	242	239	224	086	202	234	234	233	232	230	230	229	232	232	234	234	241	244	232
14	246	253	251	255	261	257	259	261	236	233	224	097	088	171	233	233	216	190	186	241	242	246	252	265	225
15	261	253	257	255	251	250	251	249	247	242	242	230	231	233	212	213	233	229	245	246	236	253	265	302	245
16	281	261	256	253	272	268	261	249	231	119	173	229	210	204	223	234	236	236	233	233	233	237	240	239	234
17	237	240	242	244	243	242	242	243	236	234	237	239	201	148	167	225	222	235	234	234	239	240	247	256	230
18 Q	264	270	271	259	252	245	239	239	241	236	195	179	193	230	235	235	235	235	235	235	235	237	241	243	237
19 Q	244	247	247	247	246	245	246	250	238	233	233	238	236	249	250	247	244	241	236	233	232	237	239	243	242
20 D	248	252	251	251	251	258	246	265	235	156	-118	-166	-023	050	157	081	185	252	246	244	256	285	328	300	187
21 D	295	314	313	269	223	276	241	247	124	176	108	206	173	180	194	212	247	248	250	264	272	296	276	268	236
22 D	265	300	286	294	291	275	257	167	120	039	024	018	106	155	200	193	256	245	247	254	254	258	258	258	209
23	263	269	264	263	260	257	252	205	208	177	177	223	133	188	199	182	170	201	231	249	266	275	277	291	228
24	286	283	274	273	272	249	255	247	203	191	209	209	200	186	217	247	242	241	240	243	250	251	255	248	240
25	254	246	254	271	265	260	253	036	101	205	159	118	096	131	210	213	202	220	226	238	246	254	255	255	207
26	251	250	252	255	252	221	243	227	171	-051	003	065	111	208	246	248	247	247	243	247	256	254	255	255	206
27	252	255	255	263	270	269	263	237	201	227	241	226	132	056	167	206	224	223	227	235	243	247	247	248	226
28	251	250	253	253	254	254	250	240	155	111	214	230	208	220	208	238	240	241	244	249	249	247	273	330	236
29	356	276	277	247	234	269	299	231	222	217	179	171	219	233	233	219	198	198	235	255	252	253	274	278	243
30 D	271	261	265	266	276	256	256	-109	-094	191	183	220	190	154	216	239	239	240	242	254	247	246	246	248	208
31 D	243	335	304	284	309	286	221	086	173	201	194	193	199	220	209	209	178	167	185	237	253	254	265	263	228
Mean	259	260	259	257	255	255	247	214	194	185	171	174	178	190	208	213	222	225	232	240	244	249	254	259	227

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook — December 1940

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	06	816	10	56	482	334	04	05	70.2	11	20	16.2	54.0	23	24	273	08	34	43	230
2	03	48	830	10	29	103	727	11	05	77.0	10	20	18.9	58.1	02	34	326	10	43	-67	393
3	15	43	771	11	25	463	308	11	08	67.0	14	38	31.1	35.9	21	58	271	11	25	15	256
4	06	34	812	12	06	593	219	06	18	71.8	09	38	30.1	41.7	03	50	256	10	09	91	165
5	05	45	899	10	28	711	188	03	44	57.1	06	03	14.5	42.6	05	43	316	05	50	133	183
6 Q	02	05	758	21	04	713	45	04	19	48.9	08	46	39.7	09.2	04	20	268	09	37	145	123
7 Q	13	04	751	09	27	726	25	02	30	45.3	09	25	40.0	05.3	02	45	249	09	38	210	39
8 Q	14	57	752	20	06	732	20	16	39	47.2	00	00	41.0	06.2	00	30	242	12	00	236	06
9	06	38	852	12	59	517	335	12	10	54.7	06	04	22.5	32.2	06	32	312	13	00	57	255
10	18	06	777	16	52	680	97	16	03	53.1	17	05	29.1	24.0	04	31	275	17	23	175	100
11	23	49	776	22	00	672	104	17	32	47.5	08	14	34.7	12.8	23	55	283	09	00	194	89
12	09	07	776	15	56	665	111	07	55	53.7	00	24	31.6	22.1	09	00	280	16	12	139	141
13	02	07	788	09	27	461	327	01	04	52.9	09	28	02.9	50.0	00	58	283	09	23	-55	338
14	14	28	776	11	56	495	281	13	46	49.3	17	53	15.0	34.3	23	34	279	12	07	32	247
15	16	20	769	14	38	682	87	15	58	51.4	14	38	21.0	30.4	23	48	330	14	52	196	134
16	09	02	806	09	21	614	192	08	59	67.2	09	12	26.6	40.6	04	56	283	09	14	25	258
17	14	14	769	13	16	663	106	11	00	47.2	14	10	31.7	15.5	23	10	262	13	00	139	123
18 Q	12	53	762	10	05	725	37	07	54	46.5	23	07	36.8	09.7	02	14	280	10	42	159	121
19 Q	03	29	767	12	02	688	79	16	53	46.0	10	34	32.6	13.4	12	56	256	12	14	142	114
20 D	14	39	865	12	54	-014	879	11	59	113.1	10	43	-38.3	151.4	22	23	371	11	17	-275	646
21 D	04	23	967	11	08	180	787	11	02	83.1	06	45	02.9	80.2	01	18	415	10	56	25	390
22 D	07	34	787	12	01	213	574	11	58	101.9	07	38	-15.6	117.5	01	35	331	09	49	-51	382
23	23	44	780	12	33	455	325	09	47	57.9	16	28	20.2	37.7	23	56	309	12	33	84	225
24	00	38	776	13	18	690	86	04	48	56.3	05	46	32.0	24.3	00	00	302	08	52	139	163
25	07	20	817	07	32	495	322	07	58	61.9	07	44	22.6	39.3	03	34	285	07	31	-104	389
26	04	45	877	09	25	319	558	10	46	69.6	04	52	14.1	55.5	04	44	317	09	34	-134	451
27	17	11	764	13	24	441	323	03	47	54.7	13	02	22.8	31.9	04	00	275	13	25	-50	325
28	23	44	847	21	40	651	196	04	13	57.4	23	21	33.2	24.2	23	47	365	08	54	55	310
29	00	11	1071	07	08	550	521	03	58	77.1	07	03	14.3	62.8	03	59	366	07	08	109	257
30 D	04	55	847	07	48	222	625	04	52	89.0	08	25	-56.6	145.6	04	55	305	07	46	-425	730
31 D	01	54	853	07	43	563	290	02	31	64.8	07	42	23.9	40.9	01	45	430	07	32	-15	445
Mean			815			521	294			62.6			17.0	45.6			303			44	259
No. days			31			31	31			31			31	31			31			31	31

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day adjusted for non-cyclic change

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 49 Meanook — **HORIZONTAL INTENSITY (gammas)** (All Days) — 1941																								
January	+20.1	+21.3	+24.1	+31.0	+34.8	+24.4	+20.6	-7.0	-10.8	-18.8	-33.8	-26.6	-30.1	-32.4	-10.7	+1.7	-5.1	-10.8	-4.3	-4.3	-3.0	-0.7	+6.0	+15.3
February	+28.7	+32.7	+35.3	+38.9	+49.1	+44.5	+23.6	+7.9	-15.4	-71.0	-98.4	-59.3	-33.1	-28.8	-16.5	+11.4	+11.3	+1.7	-7.0	-4.2	+0.5	+8.5	+13.3	+25.1
March	+63.6	+67.5	+61.5	+61.9	+66.0	+46.4	+19.6	-13.4	-63.1	-114.6	-127.3	-97.9	-70.6	-24.2	-16.2	-4.9	-7.0	-21.1	+0.5	+9.1	+20.1	+37.8	+56.1	+49.3
April	+37.4	+42.0	+38.5	+29.3	+31.8	-0.2	-2.3	-19.3	-33.4	-55.7	-38.7	-31.8	-15.8	-11.0	-6.6	+3.3	+2.1	-5.0	-6.5	-4.3	+0.4	+10.6	+15.4	+18.6
May	+30.5	+33.9	+35.2	+33.9	+28.2	+15.5	-10.3	-21.5	-30.8	-32.7	-38.6	-37.8	-33.6	-9.6	+3.3	+7.0	+2.0	-5.8	-8.4	-6.6	-4.2	+3.2	+20.0	+26.1
June	+45.3	+35.2	+38.6	+27.2	+19.3	+17.5	+11.8	-45.2	-48.9	-39.6	-39.0	-21.7	-4.8	+5.5	+7.1	+9.5	-0.2	-8.5	-15.0	-16.9	-12.0	-4.8	+12.1	+28.3
July	+44.7	+54.6	+58.2	+39.6	+45.1	+40.0	-0.2	-64.9	-110.6	-67.0	-70.1	-39.2	-35.9	-11.2	+12.3	-14.7	+17.9	+9.5	+2.9	+2.9	+11.9	+19.5	+25.0	+29.9
August	+70.2	+61.1	+44.1	+47.1	+44.9	+29.3	+7.4	-44.5	-56.0	-62.9	-76.4	-62.2	-62.0	-36.1	-26.4	-12.0	-3.1	-1.9	+0.7	+1.9	+9.6	+24.4	+41.4	+62.2
September	+39.5	+29.5	+31.5	+41.9	+23.8	+27.7	+22.5	-21.2	-43.1	-61.5	-39.9	-83.7	-23.0	-27.4	-34.7	+2.0	+2.1	-3.0	-5.1	+4.8	+23.0	+26.0	+28.0	+40.4
October	+18.0	+15.7	+20.8	+23.7	+24.3	+21.5	+9.7	-11.0	-25.4	-32.1	-34.3	-19.3	-3.4	-0.8	+8.1	+5.6	-0.8	-11.9	-17.2	-13.4	-6.2	+1.0	+7.8	+20.1
November	+31.0	+38.0	+46.5	+52.0	+44.8	+21.8	-27.7	-37.0	-67.5	-80.4	-59.8	-28.2	-21.0	-14.7	+7.7	+2.8	+3.6	+1.5	-1.1	+5.6	+12.3	+16.1	+24.3	+28.6
December	+14.3	+15.5	+16.7	+21.2	+16.8	+22.4	+8.9	+5.7	-4.3	-18.9	-31.4	-21.3	-3.0	-10.8	-27.3	-9.5	-2.7	-4.8	-7.3	-3.1	+1.8	+4.1	+5.6	+10.7
Year	+36.9	+37.3	+37.6	+37.3	+35.8	+25.9	+7.0	-22.6	-42.4	-54.6	-57.3	-44.1	-28.0	-16.8	-8.3	+0.2	+1.7	-5.0	-5.7	-2.4	+4.5	+12.1	+21.2	+29.5
Winter	+23.5	+26.9	+30.6	+35.8	+36.4	+28.3	+6.4	-7.6	-24.5	-47.3	-55.8	-33.8	-21.8	-21.7	-11.7	+1.6	+1.8	-3.1	-4.9	-1.5	+2.9	+7.0	+12.3	+19.9
Equinox	+39.6	+38.7	+38.1	+39.2	+36.5	+23.8	+12.4	-16.2	-41.2	-66.0	-60.0	-58.2	-28.2	-15.8	-12.4	+1.5	-0.9	-10.2	-7.1	-1.0	+9.3	+18.6	+26.8	+32.1
Summer	+47.7	+46.2	+44.0	+37.0	+34.4	+25.6	+2.2	-44.0	-61.6	-50.6	-56.0	-40.2	-34.1	-12.8	-0.9	-2.6	+4.2	-1.7	-5.0	-4.7	+1.3	+10.6	+24.6	+36.6
Table 50 Meanook — **DECLINATION (minutes)** (All Days) — 1941																								
January	-1.53	-0.90	-0.01	+1.14	+1.21	+1.25	+0.61	-1.16	-0.69	+1.35	+1.60	+3.08	+2.15	+1.68	+0.17	+1.84	+2.02	-0.60	-1.08	-1.55	-2.62	-3.17	-2.64	-2.04
February	-2.26	-1.93	-1.33	+0.72	+0.73	-0.12	+1.05	-0.73	+0.02	+0.19	+1.29	+3.17	+4.30	+3.21	+3.22	+2.35	+2.84	+0.33	-1.85	-2.59	-3.39	-3.62	-3.33	-2.43
March	-4.27	-2.09	-1.73	-0.07	-0.08	+0.34	-4.41	-3.63	-2.31	-0.21	+1.95	+0.68	+3.08	+1.84	+5.34	+7.32	+7.03	+5.51	-0.45	-1.97	-1.89	-2.17	-3.48	-4.20
April	-5.60	-2.92	-2.11	-0.79	+0.04	-0.43	+0.08	-1.07	-0.31	+1.27	+1.50	+2.53	+2.37	+4.87	+6.58	+6.16	+6.52	+4.06	+0.27	-2.25	-4.31	-5.08	-5.84	-5.60
May	-6.57	-4.26	-3.64	-2.93	-1.65	-0.28	-1.46	+1.36	+1.39	+1.46	+0.20	+1.90	+3.86	+6.50	+7.31	+7.58	+7.84	+5.32	+1.22	-2.15	-4.93	-5.90	-6.22	-5.85
June	-6.36	-5.00	-3.73	-3.89	-2.33	-3.02	-2.30	-0.72	-0.94	-0.66	+1.49	+2.77	+5.63	+6.80	+8.73	+9.87	+9.14	+6.49	+3.00	-0.68	-4.20	-6.21	-6.93	-6.72
July	-5.13	-3.88	-3.83	-3.87	-3.30	-1.95	-2.98	-0.56	-0.27	+1.92	+1.56	+1.01	+2.30	+6.20	+9.27	+9.72	+9.52	+6.15	+2.41	-2.05	-4.59	-6.26	-6.83	-6.52
August	-3.88	-3.71	-2.95	-2.21	+0.22	-0.01	-1.33	-1.93	-0.67	-1.08	+1.77	+2.31	+3.51	+6.99	+9.92	+10.45	+7.68	+3.19	+0.04	-4.09	-6.46	-6.91	-6.25	-4.59
September	-4.62	-5.57	-4.57	-4.09	-1.74	-3.73	-6.26	-2.42	-0.66	+1.44	+3.18	+5.95	+4.91	+7.37	+8.39	+8.45	+6.63	+3.88	+0.98	-2.14	-1.86	-4.98	-4.14	-4.40
October	-2.05	-1.98	-1.65	-0.70	-0.66	-0.27	+0.38	+0.15	+0.75	+1.85	+2.94	+2.58	+1.91	+2.99	+3.44	+4.22	+4.82	+2.59	-1.48	-3.91	-4.53	-4.48	-3.98	-2.70
November	-0.93	-1.10	-1.22	-0.25	-1.61	-0.02	+1.31	-1.68	+1.68	+1.76	+0.11	+3.82	+4.86	+3.34	+2.06	+3.28	+1.54	+0.55	-2.23	-3.87	-3.60	-3.68	-2.56	-1.65
December	-1.14	-0.32	+0.39	+2.48	+1.97	+1.63	+0.55	-0.34	+0.92	-0.52	+0.34	+2.65	+2.38	+2.59	+1.51	+3.05	+2.84	-0.72	-3.20	-4.05	-4.06	-3.71	-3.13	-2.02
Year	-3.69	-2.80	-2.20	-1.20	-0.60	-0.55	-0.90	-1.06	-0.09	+0.73	+1.50	+2.71	+3.44	+4.70	+5.53	+6.19	+5.70	+3.06	-0.20	-2.61	-3.87	-4.68	-4.61	-4.06
Winter	-1.46	-1.06	-0.54	+1.02	+0.58	+0.68	+0.88	-0.98	+0.48	+0.70	+0.84	+3.18	+3.42	+2.70	+1.74	+2.63	+2.31	-0.11	-2.09	-3.02	-3.42	-3.54	-2.92	-2.04
Equinox	-4.14	-3.14	-2.52	-1.41	-0.61	-1.02	-2.55	-1.74	-0.63	+1.09	+2.39	+2.94	+3.07	+4.27	+5.94	+6.54	+6.25	+4.01	-0.17	-2.57	-3.15	-4.18	-4.36	-4.22
Summer	-5.48	-4.21	-3.54	-3.22	-1.76	-1.32	-2.02	-0.46	-0.12	+0.41	+1.26	+2.00	+3.82	+7.12	+8.81	+9.40	+8.54	+5.29	+1.67	-2.24	-5.04	-6.32	-6.56	-5.92
Table 51 Meanook — **VERTICAL INTENSITY (gammas)** (All Days) — 1941																								
January	+23.4	+26.1	+27.1	+24.9	+19.8	+18.1	+16.0	-10.5	-19.0	-24.1	-28.1	-31.0	-41.7	-31.7	-24.3	-17.0	-12.0	-0.4	+8.9	+10.6	+11.6	+15.3	+17.7	+21.3
February	+32.8	+37.6	+42.8	+42.8	+36.6	+27.0	+2.9	-9.0	-28.7	-75.6	-80.0	-64.3	-41.9	-38.0	-22.2	-1.6	+3.0	+3.7	+9.3	+14.6	+20.4	+25.8	+30.3	+32.5
March	+29.1	+23.6	+32.9	+28.1	+16.3	+1.4	-18.6	-34.6	-45.5	-69.1	-64.4	-47.6	-42.2	-19.5	+6.1	+19.9	+15.9	+27.2	+18.0	+18.4	+23.1	+24.4	+31.6	+26.0
April	+33.4	+32.2	+35.1	+29.4	+26.7	-8.7	-6.1	-29.9	-28.7	-60.1	-40.1	-42.2	-31.3	-27.8	-18.4	-8.8	-0.9	+5.9	+9.9	+14.4	+20.0	+28.1	+34.6	+33.4
May	+32.4	+40.3	+36.4	+34.4	+27.1	+10.0	-7.0	-18.6	-27.5	-28.5	-26.9	-47.4	-41.7	-27.9	-15.9	-7.0	-4.0	-3.6	-3.9	+0.7	+7.0	+17.1	+26.7	+29.0
June	+36.6	+36.3	+27.5	+27.5	+18.7	+16.2	-3.3	-34.6	-33.4	-29.3	-24.9	-30.3	-19.2	-12.8	-11.9	-5.9	-5.8	-5.2	-4.1	-2.4	+2.3	+10.9	+19.3	+27.6
July	+36.7	+33.5	+17.0	+16.5	+11.7	+12.0	-5.8	-49.2	-42.1	-40.6	-31.4	-37.0	-15.4	-0.5	+7.1	+3.8	-1.7	-1.1	+0.7	+4.8	+12.1	+19.7	+21.3	+27.5
August	+34.3	+32.7	+33.7	+30.3	+13.7	-2.6	-15.0	-30.3	-45.3	-40.1	-17.1	-28.5	-34.3	-33.0	-5.2	-8.5	-11.0	-3.5	+3.8	+10.8	+18.6	+28.0	+32.7	+36.3
September	+21.6	+8.6	+12.2	+12.9	+0.1	-7.0	-27.8	-5.8	-23.0	-28.2	-22.6	-16.4	+3.6	-6.2	-37.5	-0.4	+10.4	+17.4	+19.7	+15.8	+13.0	+13.3	+11.5	+14.7
October	+18.3	+15.7	+14.9	+21.3	+20.9	+6.3	-14.6	-28.3	-33.4	-29.8	-17.5	-16.1	-14.1	-16.4	-11.2	-5.3	-2.7	-0.6	+3.6	+8.9	+15.6	+20.6	+21.9	+21.7
November	+22.8	+31.0	+24.4	+17.0	+14.4	+14.9	-11.2	-13.7	-23.0	-49.5	-35.8	-26.5	-26.0	-27.5	-12.5	-2.1	+0.5	+1.4	+8.0	+12.8	+15.9	+20.2	+23.3	+21.8
December	+15.9	+17.0	+17.2	+18.9	+14.3	+16.2	+10.2	-2.1	-19.1	-21.4	-31.6	-13.6	-17.7	-10.4	-13.9	-3.4	-6.6	-9.8	-1.9	+0.6	+6.6	+10.8	+11.4	+13.7
Year	+28.1	+27.9	+26.8	+25.3	+18.3	+8.6	-7.4	-22.2	-30.7	-41.3	-35.1	-33.4	-26.8	-21.0	-13.3	-3.0	-1.2	+2.6	+6.0	+9.2	+13.8	+19.5	+23.5	+25.5
Winter	+23.7	+27.9	+27.9	+25.9	+21.3	+19.0	+4.5	-8.8	-22.4	-42.6	-43.9	-33.8	-31.8	-26.9	-18.2	-6.0	-3.8	-1.3	+6.1	+9.6	+13.6	+18.0	+20.7	+22.3
Equinox	+25.6	+20.0	+23.8	+22.9	+15.8	-2.0	-16.8	-24.6	-32.6	-46.8	-36.2	-30.6	-21.0	-17.5	-15.2	+1.4	+5.7	+12.5	+12.8	+14.4	+17.9	+21.6	+24.9	+24.0
Summer	+35.0	+35.7	+28.6	+27.2	+17.8	+8.9	-7.8	-33.2	-37.1	-34.6	-25.1	-35.8	-27.6	-18.6	-6.5	-4.4	-5.6	-3.4	-0.9	+3.5	+10.0	+18.9	+25.0	+30.1

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day adjusted for non-cyclic change

HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 52 Meanook 1941

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	+7.1	+7.0	+5.4	+2.3	+4.5	+6.4	+4.0	-6.1	-2.7	-2.2	-3.0	-2.1	+2.1	+2.2	+5.0	+6.7	+4.7	-4.6	-9.0	-10.3	-8.1	-7.2	-2.8	+0.1
February	+6.0	+8.0	+8.8	+11.6	+12.2	+10.4	+8.3	+5.5	+1.1	-30.3	-4.3	+1.1	-8.9	+8.9	+10.7	+7.9	+0.3	-5.5	-9.8	-14.8	-13.4	-6.8	-6.4	-0.4
March	+5.2	+7.2	+14.0	+12.2	+14.0	+10.8	+8.9	+7.1	+1.3	-6.3	+1.1	+4.5	+7.7	+5.1	+10.3	+8.9	-3.5	-18.7	-22.2	-20.0	-17.4	-15.6	-11.2	-4.0
April	+6.0	+9.8	+8.0	+9.4	+6.0	+3.2	-2.3	+5.9	+8.9	+3.7	+0.1	-4.1	+0.7	+11.5	+10.3	+7.5	-3.9	-11.1	-15.6	-13.8	-15.4	-11.4	-11.0	-2.2
May	+1.9	+5.9	+10.1	+13.6	+28.2	+19.8	+5.2	+4.6	-10.0	-8.3	+1.5	-0.7	+3.3	+3.5	+0.1	-5.2	-6.2	-11.2	-13.2	-10.6	-11.2	-12.3	-5.3	-2.5
June	+9.0	+8.0	0.0	+1.2	+1.1	-0.9	-0.1	-6.1	+1.2	+4.4	+3.0	+5.6	+11.4	+12.2	+11.0	+8.2	-0.5	-8.7	-14.5	-14.5	-13.8	-10.6	-6.4	+0.8
July	+6.3	+8.1	+11.0	+11.0	+9.1	+7.5	+8.5	+5.5	+7.0	+6.0	+8.1	+9.9	+12.9	+14.1	+16.2	+11.4	-1.9	-17.5	-27.7	-33.7	-32.8	-25.6	-12.3	-1.9
August	+10.2	+9.3	+6.3	+6.4	+5.0	+5.1	+5.2	+5.9	+6.3	+8.2	+9.6	+9.1	+12.5	+14.4	+14.2	+4.1	-11.5	-21.4	-28.9	-26.8	-21.8	-17.1	-6.5	+1.0
September	+8.9	+8.6	+5.1	+6.8	+7.3	+8.0	+6.4	+9.7	+8.8	+9.9	+8.8	+4.1	+6.9	+8.2	+6.5	-1.6	-14.7	-24.6	-28.2	-27.1	-17.4	-6.3	-1.0	+6.1
October	+2.4	+7.3	+9.9	+11.0	+8.8	+6.9	+4.7	-6.8	-6.5	-7.5	+3.6	-4.4	+8.8	+12.2	+8.5	+5.1	-2.2	-11.5	-17.1	-15.0	-12.2	-6.1	-0.7	+1.4
November	+8.1	+9.0	+9.5	+6.9	+4.8	+5.9	+6.3	+3.8	-3.0	-0.9	-1.8	-0.6	-2.2	+6.4	+3.9	+1.2	-1.2	-7.9	-12.9	-13.4	-8.7	-10.5	-4.2	+1.3
December	+5.1	+8.1	+8.9	+5.4	+4.4	+2.4	+1.8	+0.8	+1.3	-2.7	-4.1	-2.7	+4.1	+4.7	+5.3	+0.5	+0.4	-6.4	-10.0	-9.4	-8.6	-7.1	-4.7	+1.7
Year	+6.3	+8.0	+8.1	+8.1	+8.8	+7.1	+4.7	+2.5	+1.1	-2.1	+1.9	+1.6	+4.9	+8.6	+8.5	+4.6	-3.4	-12.4	-17.4	-17.5	-15.1	-11.4	-6.0	+0.1
Winter	+6.6	+8.0	+8.2	+6.6	+6.5	+6.3	+5.1	+1.0	-0.8	-9.0	-3.3	-1.1	-1.2	+5.6	+6.2	+4.1	+1.0	-6.1	-10.4	-12.0	-9.7	-7.9	-4.5	+0.7
Equinox	+5.6	+8.2	+9.4	+9.8	+9.0	+7.2	+4.4	+4.0	+3.1	0.0	+3.4	0.0	+6.0	+9.2	+8.9	+5.0	-6.1	-16.5	-20.8	-19.0	-15.6	-9.8	-6.0	+0.3
Summer	+6.8	+7.8	+6.8	+8.0	+10.8	+7.9	+4.7	+2.5	+1.1	+2.6	+5.6	+6.0	+10.0	+11.0	+10.4	+4.6	-5.0	-14.7	-21.1	-21.4	-19.9	-16.4	-7.6	-0.6

DECLINATION (minutes) (Quiet Days)

Table 53 Meanook 1941

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-2.18	-1.24	-0.73	+0.25	-0.57	-0.40	-0.28	-2.70	-0.51	-0.33	+0.77	+1.22	+0.34	+0.29	+1.13	+2.59	+3.20	+3.74	+2.70	+0.53	-1.41	-2.55	-1.82	-2.06
February	-2.70	-2.75	-2.17	-0.64	-0.77	-0.04	+3.24	-0.43	+0.42	-1.37	+1.69	+1.26	+0.62	+1.01	+1.73	+3.82	+5.81	+3.76	+0.78	-0.97	-3.08	-3.25	-3.19	-2.66
March	-3.41	-3.46	-3.82	-2.55	-2.22	+1.13	-0.47	-1.32	-0.75	-1.56	-0.70	+0.35	+1.05	+1.52	+4.04	+6.07	+6.08	+5.29	+2.77	+0.44	-1.35	-2.36	-2.46	-2.43
April	-3.78	-2.75	-1.92	-2.42	+1.19	+1.59	+0.06	0.00	-1.05	-1.33	-1.76	-0.88	+2.20	+5.00	+6.83	+8.29	+8.10	+5.46	+0.87	-2.11	-4.50	-5.74	-5.83	-5.40
May	-5.16	-3.11	-1.46	-2.18	-3.23	-2.16	+0.27	-0.56	-0.51	-0.51	+0.56	+2.23	+4.89	+6.54	+7.69	+7.51	+6.98	+3.97	+0.22	-2.87	-4.16	-4.80	-5.13	-5.08
June	-4.30	-3.75	-2.59	-1.82	-1.30	-1.69	-0.91	-2.24	-1.56	-0.23	+0.27	+2.38	+4.44	+6.05	+7.17	+8.64	+8.12	+6.35	+1.59	-2.20	-4.42	-6.05	-6.41	-5.56
July	-4.43	-3.14	-2.52	-1.99	-2.10	-1.87	-2.63	-1.08	-0.67	-0.68	+1.30	+2.23	+4.17	+6.88	+8.86	+9.73	+9.44	+7.13	+2.47	-2.38	-6.49	-8.42	-7.88	-5.85
August	-3.92	-3.15	-2.84	-2.45	-2.18	-1.23	-1.94	-0.67	-1.04	-0.45	+0.30	+1.75	+3.77	+6.40	+8.67	+9.08	+8.67	+5.98	+1.45	-2.82	-5.65	-6.98	-6.17	-4.56
September	-2.40	-2.58	-2.32	-1.78	-1.44	-0.70	-3.87	-1.77	-0.47	+0.25	+1.09	+0.93	+3.59	+5.37	+6.61	+7.41	+6.71	+4.09	-0.08	-3.60	-4.76	-4.36	-3.42	-2.50
October	-2.45	-2.56	-1.84	-2.28	-1.71	-1.13	-1.40	+1.76	+2.92	+2.61	+1.27	+1.74	+1.16	+2.15	+3.25	+4.72	+5.10	+3.04	-0.03	-2.27	-3.48	-3.72	-3.46	-3.29
November	-0.91	-0.33	+0.04	-0.94	-0.30	+0.95	-0.41	-0.26	-0.16	+1.15	+0.79	+1.00	+0.22	+1.39	+2.37	+2.86	+2.86	+1.51	-0.21	-1.50	-2.74	-2.46	-3.05	-1.77
December	-0.89	0.00	-0.01	+0.60	+0.63	+0.64	+0.26	-0.55	-0.94	-1.49	-0.32	+1.67	+3.35	+2.18	+1.95	+1.20	+2.23	+1.10	-0.82	-1.91	-2.44	-2.57	-2.14	-1.71
Year	-3.04	-2.40	-1.85	-1.52	-1.16	-0.41	-0.67	-0.82	-0.36	-0.33	+0.45	+1.33	+2.48	+3.73	+5.02	+5.99	+6.11	+4.29	+0.97	-1.77	-3.62	-4.44	-4.25	-3.57
Winter	-1.67	-1.08	-0.72	-0.18	-0.25	+0.29	+0.70	-0.98	-0.30	-0.51	+0.73	+1.29	+1.13	+1.22	+1.80	+2.62	+3.52	+2.53	+0.61	-0.96	-2.42	-2.71	-2.55	-2.05
Equinox	-3.01	-2.84	-2.48	-2.26	-1.04	+0.22	-1.42	-0.33	+0.16	-0.01	-0.02	+0.54	+2.00	+3.51	+5.16	+6.62	+6.50	+4.47	+0.88	-1.88	-3.52	-4.04	-3.79	-3.40
Summer	-4.45	-3.29	-2.35	-2.11	-2.20	-1.74	-1.30	-1.14	-0.94	-0.47	+0.61	+2.15	+4.32	+6.47	+8.10	+8.74	+8.30	+5.86	+1.43	-2.57	-4.93	-6.56	-6.40	-5.26

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Meanook 1941

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+4.7	+5.2	+5.4	+6.1	+6.7	+6.8	+7.9	-13.2	-11.6	-2.1	-3.1	-4.4	-4.2	-2.5	-2.5	-1.8	0.0	+0.3	0.0	-0.7	-1.1	+1.0	+1.8	+1.3
February	+11.6	+13.5	+14.2	+14.0	+13.7	+18.8	+17.2	+6.9	-1.6	-47.2	-28.1	-10.6	-18.6	-8.7	-3.6	-1.6	-2.3	-6.4	-3.4	-0.5	+2.8	+5.2	+6.7	+7.4
March	+10.2	+9.7	+17.4	+22.2	+20.9	+11.8	-5.7	-5.6	-19.3	-31.9	-22.8	-16.5	-8.3	-6.0	-1.1	+0.9	+0.6	-1.3	-0.2	+1.7	+5.4	+5.6	+6.7	+6.4
April	+16.8	+15.5	+13.8	+12.4	+13.7	+6.0	-17.7	-20.4	-10.5	-12.7	-24.8	-28.3	-21.7	-8.2	-4.3	-5.1	-3.6	+1.5	+5.4	+6.9	+12.6	+18.0	+18.3	+17.6
May	+13.5	+16.8	+22.3	+27.7	+36.8	+14.7	+3.2	-4.5	-15.6	-22.0	-14.1	-16.0	-11.8	-12.1	-11.8	-11.6	-8.9	-10.2	-10.3	-8.6	-2.7	+3.3	+8.6	+14.3
June	+13.2	+15.3	+8.0	+7.1	+9.4	+8.3	+5.7	-6.2	-7.7	-4.2	-4.5	-5.0	-0.2	-2.3	-4.4	-6.9	-6.6	-5.7	-7.9	-7.8	-5.5	-2.6	+3.7	+7.8
July	+14.5	+12.7	+11.8	+10.2	+10.0	+7.3	-1.9	-5.9	-11.2	-6.2	-4.2	-6.7	-1.3	-4.8	-4.4	-3.4	-5.7	-8.7	-8.9	-8.0	-5.0	+0.2	+7.3	+11.7
August	+11.7	+9.3	+8.4	+7.2	+5.0	+0.9	+1.5	-6.5	-4.0	-1.0	-1.0	-1.7	-1.7	-1.6	-2.2	-5.0	-7.9	-9.3	-10.3	-7.4	-2.2	+1.8	+6.3	+10.1
September	+6.8	+4.1	+2.6	+2.5	+1.0	+5.7	-7.8	-4.4	-1.3	-2.0	-3.3	-6.0	-6.4	-3.3	-0.6	+0.3	+0.4	-3.1	-3.5	-1.6	+0.7	+3.8	+6.3	+7.8
October	+7.9	+8.0	+5.8	+5.9	+7.5	+8.8	+8.0	-6.9	-24.3	-25.6	-9.8	-10.5	-6.7	-0.6	+0.4	+2.5	+2.5	+2.0	+1.4	+1.9	+3.3	+4.2	+5.8	+8.3
November	+2.7	+2.9	+3.8	+6.2	+11.1	+12.7	+11.6	+2.6	-4.1	-11.1	-8.6	-6.8	-6.8	-3.4	-1.9	-1.9	-2.6	-4.2	-3.3	-1.7	-0.2	+0.4	+0.7	+2.1
December	+5.8	+4.0	+4.9	+4.5	+4.4	+4.0	+2.3	-2.5	-4.6	-7.4	-5.3	-5.5	-4.7	-2.9	-6.2	-5.2	-3.1	-3.1	-0.2	+1.4	+3.7	+4.7	+4.8	+5.0
Year	+9.9	+10.6	+9.9	+10.7	+11.7	+8.8	+2.0	-5.6	-9.6	-14.5	-10.8	-9.8	-7.7	-4.6	-3.6	-3.2	-3.1	-4.0	-3.4	-2.1	+0.3	+3.8	+6.4	+8.3
Winter	+6.2	+6.4	+7.1	+7.7	+9.0	+10.6	+9.8	-1.6	-5.5	-17.0	-11.3	-6.8	-8.6	-4.4	-3.6	-2.6	-2.0	-3.4	-1.7	-0.4	+1.3	+2.8	+3.5	+4.0
Equinox	+10.4	+9.3	+9.9	+10.8	+10.8	+8.1	-5.8	-9.3	-13.8	-18.0	-15.2	-15.3	-10.8	-4.5	-1.4	-0.4	0.0	-0.2	+0.8	+2.2	+5.5	+7.9	+9.3	+10.0
Summer	+13.2	+16.0	+12.6	+13.6	+15.3	+7.8	+2.1	-5.8	-9.6	-8.4	-6.0	-7.4	-3.8	-5.2	-5.7	-6.7	-7.3	-8.5	-9.4	-8.0	-3.8	+0.7	+6.5	+11.0

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day adjusted for non-cyclic change

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Meanook 1941

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	+61.9	+61.5	+63.3	+52.0	+57.4	+57.4	+60.7	-53.7	-7.5	-49.4	-93.2	-75.8	-123.6	-106.2	-12.6	-3.5	-43.5	-43.1	+13.0	+19.8	+30.4	+31.5	+34.9	+69.3
February	+58.4	+67.9	+72.9	+67.2	+70.4	+90.1	+55.1	+5.8	-16.4	-131.3	-141.7	-49.8	-74.4	-120.9	-105.9	-14.2	+15.8	-6.9	-18.9	+17.2	+24.8	+36.1	+44.1	+54.8
March	+218.1	+241.4	+193.0	+171.7	+196.3	+109.4	+11.1	-71.0	-274.0	-393.1	-435.3	-378.6	-130.2	-87.7	-62.7	-38.4	+13.4	-59.7	+57.4	+59.5	+100.5	+164.6	+216.2	+177.7
April	+98.8	+106.1	+113.5	+63.6	+82.7	-51.6	-52.4	-83.5	-120.4	-172.3	-185.9	-70.6	-19.6	-24.7	-48.3	-7.6	+11.5	+3.0	+12.2	+36.1	+58.4	+83.3	+86.1	+82.6
May	+99.1	+112.2	+124.1	+133.8	+85.3	+31.0	-104.8	-98.3	-129.4	-165.7	-172.8	-120.9	-109.9	-77.0	+2.9	+27.0	+24.1	+19.0	+18.4	+28.9	+29.6	+50.7	+87.6	+106.1
June	+120.8	+100.3	+115.8	+81.3	+42.6	+56.5	+67.6	-170.3	-183.0	-199.5	-187.6	-72.5	-40.1	-14.6	+2.5	+24.8	+13.1	+8.2	+3.1	+14.0	+24.7	+39.6	+64.7	+88.0
July	+177.6	+212.6	+220.8	+118.0	+153.2	+159.4	-45.3	-237.9	-367.9	-284.7	-373.7	-215.5	-225.1	-79.7	+21.1	-145.3	+80.9	+84.7	+83.4	+111.6	+140.8	+130.0	+133.0	+148.6
August	+235.6	+243.5	+188.6	+191.9	+223.4	+92.7	+52.5	-162.6	-187.5	-228.4	-254.9	-229.6	-336.8	-266.3	-218.8	-99.1	+7.4	+43.9	+66.3	+65.8	+75.7	+129.0	+169.3	+199.6
September	+103.0	+47.9	+57.9	+119.0	+21.1	+69.1	+97.2	-139.2	-113.1	-150.8	-121.8	-356.1	-65.5	-134.2	-197.4	+32.7	+54.4	+55.0	+51.1	+96.5	+156.4	+122.5	+95.9	+97.6
October	+49.6	+37.8	+62.6	+71.3	+61.7	+68.3	+32.3	-16.8	-52.4	-86.8	-88.4	-74.4	-62.0	-46.6	+12.8	+18.0	-10.8	-45.5	-36.3	-15.9	-6.5	+12.6	+33.0	+83.2
November	+104.4	+99.8	+144.6	+146.3	+173.7	+45.7	-226.8	-140.4	-277.2	-198.3	-158.7	-60.2	-103.2	-111.3	+3.1	-15.2	-1.8	+31.0	+36.9	+79.7	+93.1	+99.6	+118.8	+115.8
December	+51.1	+37.5	+46.4	+89.4	+61.2	+91.9	+30.5	+25.7	+19.8	-37.2	-133.8	-91.3	-20.7	-84.2	-185.6	-66.2	-17.5	+20.5	+3.1	+4.0	+32.2	+36.0	+38.3	+49.7
Year	+114.9	+114.1	+117.0	+108.8	+102.4	+78.3	-1.9	-95.2	-142.4	-174.8	-196.6	-149.6	-109.9	-96.1	-66.0	-23.9	+12.2	+9.2	+23.8	+43.1	+63.3	+78.0	+93.5	+106.1
Winter	+69.0	+66.7	+81.8	+88.7	+90.7	+71.3	-20.1	-40.6	-70.3	-104.0	-131.8	-69.3	-80.5	-105.6	-76.0	-24.8	-11.8	+0.4	+8.5	+30.2	+45.1	+50.8	+59.0	+72.4
Equinox	+117.4	+108.3	+106.8	+106.4	+90.4	+48.8	+22.0	-77.6	-140.0	-200.8	-207.8	-219.9	-69.3	-73.3	-73.9	+1.2	+17.1	-11.8	+21.1	+44.0	+77.2	+95.8	+107.8	+110.3
Summer	+158.3	+167.2	+162.3	+131.2	+126.1	+84.9	-7.5	-167.3	-217.0	-219.6	-247.2	-159.6	-180.0	-109.4	-48.1	-48.2	+31.4	+39.0	+42.8	+55.1	+67.7	+87.3	+113.6	+135.6

DECLINATION (minutes) (Disturbed Days)

Table 56 Meanook 1941

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	-0.24	+2.26	+2.00	+6.53	+6.83	+3.23	+1.83	-5.89	+2.39	+3.76	+2.62	+7.46	+6.80	+8.90	-1.42	-0.95	-1.67	-12.53	-11.25	-6.77	-4.85	-4.38	-3.94	-2.62
February	-1.69	-2.50	+0.27	+3.47	+2.76	+0.43	+1.92	-2.95	+4.32	+1.70	+5.59	+10.66	+7.98	+4.21	+2.08	-1.80	-1.89	-7.54	-10.03	-6.80	-2.85	-2.35	-2.34	-3.75
March	-10.75	-3.58	-5.01	-6.99	-1.98	-3.37	-22.00	-13.63	-18.24	-1.48	+17.37	+3.86	+10.12	-0.05	+10.98	+18.36	+21.31	+18.96	-0.69	-0.84	+1.49	-0.17	-5.70	-8.05
April	-6.81	-2.13	-4.41	-4.92	-3.94	-8.58	-2.08	-4.94	-2.56	+8.75	+9.37	+6.73	+9.63	+11.75	+12.51	+3.00	+5.42	+2.82	-1.20	-4.12	-6.28	-5.21	-5.81	-6.91
May	-9.05	-6.14	-8.36	-4.97	-5.72	+0.95	-10.99	+2.10	+3.43	+7.10	+4.24	+5.43	+4.57	+8.20	+5.58	+8.17	+8.12	+6.83	+2.81	+0.48	-4.59	-5.06	-6.78	-6.45
June	-7.20	-7.05	-6.46	-6.36	-4.57	-5.78	-8.99	-0.34	-1.32	+2.61	+8.56	+7.31	+8.57	+4.90	+8.65	+11.04	+10.34	+7.15	+3.00	-0.01	-3.68	-5.02	-7.11	-8.30
July	-4.09	-2.53	-6.10	-12.16	-8.01	-2.73	-11.40	-4.38	-5.43	+12.71	+3.22	-0.28	-2.82	+17.38	+12.93	+12.59	+8.36	+4.20	+3.87	-0.17	-0.36	-3.38	-5.71	-5.77
August	-3.96	-0.39	+0.10	-0.36	+4.17	+7.32	-0.49	-6.70	+1.43	-4.21	+8.08	+5.29	-4.15	+6.94	+15.17	+16.07	+3.34	-5.05	-6.62	-9.21	-8.92	-5.98	-5.91	-5.94
September	-12.09	-21.11	-17.51	-16.47	-8.19	-20.13	-23.89	-5.71	-7.23	+5.69	+9.53	+15.73	+5.55	+13.65	+12.71	+14.13	+14.37	+12.73	+14.31	+10.41	+14.83	-2.23	-2.27	-6.81
October	-2.37	-1.77	-1.91	+2.11	-1.72	-4.30	+3.40	+2.36	+1.05	+4.41	+3.05	+5.36	-2.84	+5.01	+3.45	+6.09	+7.26	+2.04	-6.04	-6.26	-5.63	-6.03	-5.81	+0.19
November	+0.96	-8.01	-9.20	-6.36	-11.15	-3.12	+2.14	-1.93	+10.24	+7.48	+4.09	+14.70	+19.04	+9.57	-0.96	+0.36	-5.17	-3.94	-6.28	-7.05	-3.32	-3.26	+0.19	+0.90
December	-1.94	-1.51	-0.97	+6.16	+4.07	+2.73	+0.44	-1.19	+1.17	-3.52	-1.99	+5.97	+4.87	+6.29	-0.14	+6.75	+4.47	-2.34	-5.17	-5.95	-5.72	-5.19	-4.43	-3.96
Year	-4.74	-4.54	-4.80	-3.36	-2.12	-2.77	-5.84	-3.60	-0.89	+3.75	+6.14	+7.35	+5.61	+8.06	+6.79	+7.77	+6.19	+1.94	-2.27	-3.02	-2.49	-4.02	-4.64	-4.62
Winter	-0.73	-2.44	-1.98	-2.45	+1.13	+0.82	+1.58	-2.99	+4.53	+2.36	+2.58	+9.70	+9.67	+7.24	-0.11	+1.09	-1.06	-6.59	-8.18	-6.64	-4.18	-3.80	-2.63	-1.86
Equinox	-8.00	-7.15	-7.21	-6.57	-3.96	-9.07	-11.14	-5.48	-6.74	+4.34	+9.83	+7.92	+5.62	+7.59	+9.91	+10.14	+12.09	+9.14	+1.60	-0.20	+1.10	-3.41	-4.90	-5.40
Summer	-6.08	-4.03	-5.20	-5.96	-3.53	-0.06	-7.97	-2.33	-0.47	+4.55	+6.02	+4.44	+1.54	+9.36	+10.58	+11.97	+7.54	+3.28	+0.76	-2.23	-4.39	-4.86	-6.38	-6.62

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Meanook 1941

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	+54.0	+67.0	+66.5	+52.5	+46.0	+26.4	+32.8	-40.0	-46.9	-79.1	-70.8	-53.0	-116.8	-67.4	-46.7	-35.1	-24.0	+2.0	+31.2	+33.0	+29.7	+37.9	+40.0	+59.8
February	+51.9	+58.9	+63.1	+62.1	+55.5	+30.1	+6.1	-33.5	-48.3	-114.1	-126.9	-59.0	-58.1	-89.1	-62.1	-9.5	+1.7	+7.1	+16.7	+26.9	+42.5	+58.3	+66.5	+53.5
March	-4.5	-39.4	+5.3	+3.6	-37.9	-88.4	-69.8	-53.7	-66.6	-105.7	-95.0	-61.7	-43.5	-12.6	+123.1	+159.0	+132.1	+166.4	+59.0	+19.1	+21.0	-1.1	+5.2	-13.3
April	+61.4	+51.2	+59.5	+21.3	+43.3	-58.1	-2.2	-26.4	+0.4	-146.4	-88.1	-67.9	-21.1	-41.5	-46.4	-34.8	-1.8	+10.8	+22.1	+35.9	+44.7	+56.3	+61.8	+66.8
May	+64.4	+63.1	+63.6	+44.7	+27.6	-9.1	-13.1	-18.2	-56.3	-64.8	-43.5	-92.4	-95.2	-86.3	-44.8	-10.7	-0.4	+5.1	+8.3	+20.0	+34.9	+60.2	+70.7	+71.0
June	+52.7	+54.3	+36.4	+39.2	+8.9	+34.9	-11.0	-90.8	-29.9	-49.3	-19.6	-46.4	-49.4	-37.0	-36.1	-15.1	-12.8	-7.4	+8.3	+17.3	+29.2	+42.0	+41.1	+40.7
July	+44.7	+18.7	-68.6	-44.4	-13.7	+3.7	-20.2	-69.0	+47.9	-60.3	-41.2	-123.6	-11.0	+79.6	+76.9	+41.1	-0.4	-1.0	+2.1	+16.3	+29.0	+39.6	+21.5	+33.1
August	+62.7	+72.6	+81.4	+68.9	+37.4	-74.8	-84.1	-74.5	-79.8	-26.3	-22.7	-3.8	-92.8	-141.5	+0.9	-21.2	-43.5	-14.7	+12.8	+35.2	+59.7	+88.2	+89.0	+71.9
September	-9.8	-111.0	-59.7	-26.5	-66.7	-37.0	-42.8	+76.9	+41.1	-50.1	-69.4	+16.8	+104.6	+74.8	-129.1	+57.5	+76.5	+109.0	+97.2	+53.9	+11.5	-20.9	-54.0	-43.0
October	+11.3	+10.4	+10.9	+30.4	+16.3	-27.6	-76.2	-99.3	-75.8	-33.7	+45.8	+27.9	-8.9	-49.8	-19.9	-6.2	-7.1	-2.2	+11.8	+27.3	+42.0	+58.3	+62.2	+51.3
November	+19.8	+46.3	+36.1	+29.2	+2.6	+3.5	-90.3	+21.2	+49.2	-64.1	-9.1	-26.0	-77.8	-112.7	-56.7	-11.8	-0.4	+7.5	+31.3	+41.2	+40.0	+42.5	+42.5	+36.4
December	+24.8	+34.8	+40.9	+38.9	+13.2	+34.6	+13.1	-1.7	-22.6	-66.0	-112.7	-20.3	-46.3	-13.1	-32.8	+25.0	+8.1	-12.1	-3.4	+5.2	+17.1	+28.5	+22.6	+23.4
Year	+36.1	+27.3	+27.9	+26.7	+11.0	-13.5	-29.8	-34.1	-24.0	-71.7	-54.5	-42.5	-43.0	-41.4	-22.8	+11.5	+10.7	+22.5	+24.8	+27.6	+33.4	+40.8	+39.1	+37.6
Winter	+37.6	+51.8	+51.4	+45.7	+29.3	+23.6	-9.6	-13.5	-17.2	-80.8	-79.9	-39.6	-74.8	-70.6	-49.6	-7.8	-3.6	+1.1	+19.0	+26.6	+32.3	+41.8	+42.9	+43.3
Equinox	+14.6	-22.2	+4.0	+7.2	-11.2	-52.8	-47.8	-25.6	-25.2	-84.0	-51.7	-21.2	+7.8	-7.3	-18.1	+43.9	+49.9	+71.0	+47.5	+34.0	+29.8	+23.2	+18.8	+15.4
Summer	+56.1	+52.2	+28.3	+27.1	+15.0	-11.3	-32.1	-63.1	-29.5	-50.2	-31.8	-66.6	-62.1	-46.3	-0.8	-1.5	-14.3	-4.5	+7.9	+22.2	+38.2	+57.5	+55.6	+54.2

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook $H = 12,000\ \gamma +$ January 1941

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	752	746	750	741	741	741	751	741	739	738	741	741	740	702	677	625	675	734	750	721	693	719	742	741	727
2	764	756	753	758	758	756	751	742	744	743	741	720	709	724	765	756	759	749	736	737	743	736	742	753	746
3	758	757	757	753	753	749	750	750	749	748	753	755	757	758	759	763	758	749	748	746	740	741	744	748	752
4	737	751	769	767	796	784	745	727	670	656	690	742	753	752	748	752	750	751	735	733	729	728	737	747	740
5 Q	748	746	745	744	742	744	744	745	743	742	746	748	752	753	752	754	759	746	751	749	752	753	759	763	749
6	770	759	794	1103	1176	924	855	843	684	723	745	739	736	740	743	748	735	742	735	727	727	728	742	744	790
7	744	748	751	745	747	748	745	743	761	738	743	742	741	740	739	732	690	668	691	745	725	723	732	730	734
8	735	748	761	760	759	754	761	749	764	750	742	747	734	748	749	749	742	738	734	734	727	723	728	743	745
9	753	758	749	753	747	747	727	665	708	710	698	697	626	651	652	759	748	738	729	716	729	734	744	752	720
10	744	752	761	767	764	755	755	744	750	745	744	743	738	708	729	759	753	745	742	721	715	729	744	742	744
11	749	756	765	765	763	750	752	748	741	740	701	704	728	644	719	767	757	747	721	719	723	737	730	741	736
12	764	762	760	761	762	752	758	756	762	747	739	735	738	701	715	765	757	740	738	739	732	736	742	749	746
13	752	759	763	750	751	752	754	747	739	729	747	752	749	748	750	752	750	744	737	733	725	728	743	748	746
14 Q	753	756	757	755	757	756	757	752	749	749	748	748	749	748	750	749	748	743	739	734	739	740	739	739	748
15 Q	752	757	752	752	757	758	756	748	746	746	739	739	748	746	760	765	756	745	739	738	739	743	750	754	749
16	756	752	755	753	749	746	738	729	730	729	698	675	674	703	696	751	749	738	733	734	738	748	762	761	733
17 D	774	793	827	762	745	735	776	723	696	699	754	714	718	407	662	715	628	628	702	713	698	698	689	853	713
18 D	787	760	741	745	748	737	698	577	732	688	552	705	713	725	763	745	701	675	661	662	725	748	748	727	711
19	746	752	746	759	754	756	744	690	595	686	616	660	739	693	649	688	705	669	699	726	736	735	739	737	709
20	748	746	743	753	750	735	735	730	723	720	718	709	707	736	750	746	741	733	725	727	730	728	738	746	734
21 Q	756	756	752	741	748	758	750	750	748	747	746	748	750	752	747	748	743	735	728	730	734	735	741	746	745
22	753	751	753	748	744	744	745	753	752	752	752	753	751	754	762	761	758	746	742	725	728	724	730	744	747
23 D	745	743	745	744	752	746	745	733	696	665	677	616	556	575	604	550	572	589	722	744	727	720	724	743	685
24 D	744	756	739	749	790	798	809	566	622	504	675	342	129	560	669	748	601	621	711	725	737	714	733	745	658
25 D	744	739	747	741	732	750	753	609	692	671	349	716	737	672	708	692	747	737	733	718	727	738	740	737	705
26	760	752	752	746	742	741	746	745	686	717	608	612	684	681	727	718	747	736	746	737	728	723	736	744	721
27	752	747	737	739	747	745	751	746	702	682	557	653	705	686	688	714	739	732	728	728	738	738	733	728	717
28	749	761	768	762	758	755	750	745	744	641	734	748	715	716	745	762	747	744	729	716	722	731	741	745	739
29	746	754	753	752	748	745	746	744	725	739	731	725	745	753	752	748	743	730	726	727	725	727	735	737	740
30	737	744	755	747	754	754	747	738	741	734	727	707	700	673	686	718	727	726	716	723	737	737	737	744	730
31 Q	754	748	750	749	749	747	745	707	734	739	741	742	748	749	754	756	757	748	739	739	738	736	741	743	744
Mean	752	754	756	763	767	757	753	725	722	714	698	706	702	700	722	734	727	722	728	728	729	732	738	748	732

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook D = 25°E + ... ′ January 1941

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	40.4	40.9	41.6	42.7	42.2	59.9	40.5	39.1	40.0	40.5	41.4	40.9	41.3	40.0	36.6	21.4	30.0	39.2	46.0	41.7	39.3	36.4	36.6	39.1	39.9
2	38.3	38.3	40.2	42.5	42.2	42.1	42.1	42.1	42.2	42.6	43.8	44.7	44.8	44.0	41.8	43.4	43.6	43.8	42.6	42.6	41.2	39.7	38.8	38.7	41.9
3	38.0	39.3	40.4	41.8	42.1	42.2	42.8	43.2	40.6	40.0	40.4	40.6	39.9	41.0	41.4	42.7	44.2	44.0	42.2	40.8	39.7	38.0	37.1	37.4	40.8
4	34.9	36.6	36.0	40.9	37.8	46.0	44.2	43.0	36.6	38.0	40.4	44.8	43.1	43.5	44.8	43.9	43.8	44.2	44.3	44.0	41.2	40.0	39.2	39.1	41.3
5 Q	38.8	40.0	40.6	40.7	40.7	41.0	41.3	44.3	42.6	40.6	41.0	43.6	41.1	41.7	43.3	43.5	47.0	47.0	45.3	41.9	39.7	37.6	37.6	37.1	41.6
6	37.2	35.5	41.4	30.1	09.8	39.7	40.7	31.5	29.7	38.7	42.2	42.0	41.4	42.3	43.0	44.4	46.2	45.9	45.0	42.6	39.1	38.8	39.4	38.5	38.5
7	39.3	38.3	40.0	40.1	39.7	40.3	40.5	41.0	50.6	44.8	42.3	40.7	41.4	42.6	43.1	46.6	46.5	31.8	30.6	37.4	37.2	37.9	37.0	37.6	40.3
8	37.2	38.7	40.1	41.1	40.1	40.2	40.9	43.1	41.1	48.3	47.9	45.5	42.3	43.0	43.7	45.0	45.2	43.6	40.7	39.6	37.1	38.0	36.8	35.4	41.4
9	35.5	40.2	40.1	41.5	40.0	39.1	39.7	45.0	45.4	47.6	44.5	45.9	48.8	42.2	35.5	47.5	46.5	46.2	42.2	38.7	35.8	34.4	36.8	38.9	41.6
10	38.7	39.4	38.0	38.9	40.5	41.3	40.0	39.6	41.0	42.3	42.2	42.2	42.3	36.1	43.0	44.6	43.9	43.2	43.7	42.3	38.3	37.4	38.4	39.6	40.7
11	38.3	37.2	37.1	38.0	38.8	39.2	39.7	40.7	41.3	43.0	42.0	61.5	43.5	37.0	43.9	46.3	46.2	46.2	43.5	36.2	36.1	35.9	36.6	37.6	41.1
12	37.0	36.8	39.7	40.3	40.7	40.6	40.0	40.3	41.3	41.3	45.3	43.9	42.8	38.8	38.7	47.4	47.4	45.7	43.3	40.5	37.1	37.0	37.1	37.7	40.9
13	42.0	39.3	39.8	40.3	41.0	41.3	38.5	40.1	42.8	44.4	43.5	40.7	39.8	41.1	42.6	44.1	45.8	46.2	43.3	39.2	38.3	35.9	35.9	37.1	41.0
14 Q	38.6	39.8	40.3	42.1	41.1	40.7	41.6	38.5	41.5	40.3	40.4	40.8	41.5	41.8	41.1	42.4	42.8	43.4	44.0	41.6	39.2	37.7	39.9	38.0	40.8
15 Q	37.2	38.9	39.5	41.5	38.5	40.4	41.2	40.6	40.1	41.1	44.1	43.7	42.1	41.0	42.3	45.0	43.8	46.0	44.2	42.0	39.3	39.0	40.3	40.7	41.4
16	40.2	40.8	41.4	41.2	41.1	40.6	39.7	42.3	42.5	42.7	43.3	42.7	41.1	48.9	48.1	52.7	48.0	45.0	42.8	39.8	38.5	38.6	39.3	40.3	42.6
17 D	34.3	44.1	42.4	44.6	42.7	41.0	40.4	50.5	49.7	42.5	41.2	44.0	48.1	68.3	43.0	33.8	43.3	21.3	25.6	33.6	36.6	33.8	31.7	37.8	40.6
18 D	43.7	42.1	42.4	62.8	46.3	43.3	43.7	18.7	42.3	43.7	30.3	40.8	42.4	42.7	44.7	43.8	38.4	30.7	30.7	26.4	29.9	34.9	37.3	41.8	39.3
19	46.2	41.1	41.6	47.6	60.6	52.0	40.7	35.2	16.7	44.1	42.4	38.0	42.5	47.2	41.9	41.1	39.8	33.4	33.8	36.8	35.4	36.7	37.7	43.0	40.6
20	40.3	40.4	51.4	45.5	43.4	40.1	41.2	36.3	34.3	40.7	46.3	41.8	38.1	41.9	44.2	45.4	45.1	43.7	42.3	40.1	38.6	37.7	38.8	39.9	41.6
21 Q	39.4	39.7	40.3	41.1	40.8	40.1	39.2	38.9	39.2	40.1	40.3	40.6	40.4	40.8	41.1	43.2	42.7	42.3	42.3	40.8	39.7	39.2	39.0	39.3	40.4
22	38.8	40.6	40.3	41.0	40.4	40.2	41.5	47.6	40.7	41.0	41.8	41.5	39.7	42.4	43.6	44.2	45.1	44.2	42.0	41.1	39.5	38.9	40.7	39.3	41.5
23 D	37.8	39.9	41.1	40.5	44.7	43.3	43.1	40.7	44.3	50.8	49.4	38.9	54.7	47.1	33.7	41.1	37.3	32.5	30.5	39.3	38.6	38.6	39.0	37.3	41.0
24 D	41.9	40.4	41.3	41.9	44.2	43.0	40.8	35.3	44.8	39.5	53.5	68.5	45.1	49.9	42.9	46.9	39.9	21.8	25.5	34.7	40.4	40.8	41.2	40.4	41.9
25 D	40.4	44.5	42.9	43.3	67.1	46.8	42.8	27.4	37.3	45.1	41.9	48.7	47.7	40.9	33.4	34.8	38.3	37.0	37.8	38.9	37.4	37.5	39.0	37.9	41.2
26	44.6	40.4	41.1	40.8	41.6	42.2	59.3	40.3	41.2	43.1	42.5	39.8	37.4	39.9	39.9	44.1	44.7	40.0	39.3	38.9	39.0	38.9	39.9	39.1	41.6
27	42.8	41.9	42.2	45.2	39.9	39.3	41.6	55.8	35.9	42.2	33.9	37.3	49.3	41.6	37.2	37.3	37.9	35.0	37.2	37.3	39.0	38.5	38.9	39.0	40.3
28	39.3	43.0	42.5	42.8	41.1	39.4	38.9	40.9	42.8	38.2	39.8	44.2	40.4	32.7	36.3	41.5	41.6	40.5	41.2	40.3	38.7	37.4	39.0	39.1	40.1
29	39.9	42.1	41.5	40.8	39.6	39.6	39.1	39.3	36.1	39.4	42.5	40.9	38.7	39.1	39.4	40.3	41.3	41.3	41.5	40.7	37.9	37.0	37.3	37.4	39.7
30	38.6	38.7	39.1	39.9	54.6	39.8	39.8	40.2	41.6	40.3	42.4	50.3	49.7	37.8	34.6	40.7	37.6	37.3	36.5	36.7	36.5	36.4	38.3	38.7	40.2
31 Q	39.9	40.2	40.5	40.7	40.9	40.7	40.2	29.1	39.0	41.2	43.0	42.4	41.6	41.2	42.9	43.9	44.8	45.1	42.8	41.5	40.2	38.9	39.3	39.8	40.8
Mean	39.3	40.0	40.9	42.0	42.1	42.1	41.5	39.7	40.2	42.2	42.4	43.9	43.0	42.5	41.0	42.7	42.9	40.2	39.8	39.3	38.2	37.7	38.2	38.8	40.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Meanook $Z = 59,000\ \gamma +$ January 1941

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	244	244	253	254	253	252	237	242	240	241	241	241	238	219	164	110	113	177	235	238	250	258	260	249	227
2	263	266	263	249	247	247	246	245	245	244	228	207	192	198	249	250	248	248	244	245	241	240	242	243	241
3	239	242	244	245	245	246	246	241	236	232	237	238	240	241	241	241	237	236	235	237	237	238	239	239	240
4																									
5 Q	244	243	243	243	242	241	239	233	232	231	230	235	238	236	234	237	240	238	235	232	231	231	231	232	236
6	239	251	297	327	222	324	296	226	186	227	256	237	239	238	238	240	239	240	240	241	241	242	242	241	249
7	241	246	248	248	252	250	252	245	257	225	238	237	234	234	232	212	199	219	232	226	224	236	247	253	237
8	243	255	262	259	261	262	263	265	271	270	251	232	228	245	245	240	235	232	228	229	233	239	249	250	248
9	248	254	247	247	242	243	230	131	184	186	186	145	105	171	131	211	231	233	243	240	246	246	243	243	212
10	252	264	269	266	254	253	262	238	257	255	246	235	231	211	212	237	239	251	256	250	247	249	262	257	248
11	256	270	273	273	266	266	266	256	251	258	178	149	209	176	223	254	253	245	242	245	256	257	257	258	243
12	262	265	265	266	260	267	269	280	260	253	249	226	227	215	226	249	247	247	248	252	253	257	260	263	253
13	282	273	269	268	270	269	266	263	254	242	241	249	255	257	259	257	255	252	248	245	248	250	256	255	258
14 Q	259	260	261	258	257	257	257	258	260	259	255	250	250	249	250	251	251	250	248	248	248	252	249	248	254
15 Q	254	259	259	265	271	272	281	266	258	255	245	235	235	244	242	239	244	245	247	244	244	247	248	247	252
16	249	247	246	245	245	246	242	237	249	234	207	135	113	105	084	115	190	235	241	242	249	254	254	252	213
17 D	294	375	380	283	261	256	254	199	184	217	268	240	228	175	186	154	180	238	242	250	257	271	281	362	251
18 D	279	273	279	290	259	226	222	111	230	207	173	217	208	222	249	244	231	225	267	290	262	272	276	282	241
19	304	274	268	286	263	253	245	171	054	141	183	194	240	201	202	220	211	230	235	244	255	260	267	277	228
20	277	277	287	266	265	237	235	203	211	203	220	224	231	242	255	254	253	254	254	252	252	255	259	254	247
21 Q	253	252	255	259	258	252	248	248	249	249	248	249	248	248	249	249	249	253	254	255	253	253	254	252	252
22	247	248	248	248	249	248	247	242	236	243	244	240	234	234	242	243	243	243	245	248	252	256	256	256	246
23 D	253	256	257	259	254	253	259	227	146	051	148	113	005	113	107	196	219	248	299	262	262	269	269	280	208
24 D	282	270	260	265	288	222	281	259	181	103	169	116	-099	114	140	199	166	207	250	267	272	275	274	269	210
25 D	271	272	270	281	286	295	270	148	151	155	019	182	209	176	224	173	228	238	246	246	248	257	257	265	224
26	304	279	247	242	243	249	216	246	197	229	175	189	182	192	229	223	234	240	235	235	239	243	246	249	232
27	248	250	254	256	252	248	258	207	172	193	073	106	125	174	213	211	218	246	256	266	269	267	259	266	220
28	273	279	271	258	255	257	257	257	252	117	193	226	203	195	206	230	238	242	247	256	259	261	261	261	240
29	252	254	246	244	242	241	240	233	213	215	213	214	216	228	234	236	235	239	241	244	239	240	242	243	235
30	242	241	248	258	293	268	248	250	240	219	207	170	149	158	163	174	172	196	231	247	240	239	240	244	222
31 Q	249	246	242	237	236	241	242	155	168	219	229	230	228	229	230	231	231	229	228	228	228	230	234	233	227
Mean	260	263	264	262	256	255	252	226	218	212	208	205	195	205	212	219	224	236	245	247	248	252	254	257	236

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook — January 1941

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	41	776	16	11	588	188	05	37	72.1	15	49	16.8	55.3	22	41	278	16	10	72	206
2	14	54	779	12	44	691	88	16	36	47.4	01	15	37.0	10.4	14	28	270	13	34	181	89
3	02	51	768	20	29	730	38	17	14	44.7	00	12	37.0	07.7	06	08	248	09	27	231	17
4	05	16	824	09	49	630	194	05	12	59.6	09	53	30.9	28.7							
5 Q	15	40	776	09	15	731	45	17	00	48.7	23	45	35.4	13.3	15	50	247	09	40	225	22
6	04	33	1253	08	30	557	696	07	39	66.3	04	32	-15.8	82.1	02	54	367	08	23	93	274
7	08	46	796	17	42	633	163	08	32	61.5	17	46	24.1	37.4	08	15	282	16	43	185	97
8	08	45	793	21	49	714	79	09	42	51.3	08	14	33.7	17.6	09	13	294	11	27	220	74
9	15	26	780	14	01	557	223	12	16	52.7	14	02	20.2	32.5	01	14	257	07	32	58	199
10	03	03	780	13	53	669	111	16	15	48.8	13	51	30.5	18.3	02	15	275	13	57	164	111
11	14	50	797	13	37	601	196	12	39	64.7	13	37	30.2	34.5	02	31	279	11	17	100	179
12	08	42	796	13	38	677	119	15	54	49.8	08	52	32.5	17.3	08	34	299	08	52	194	105
13	00	51	776	09	49	716	60	17	09	47.9	06	31	34.2	13.7	00	55	291	09	48	230	61
14 Q	06	53	763	19	12	730	33	18	16	44.7	07	51	35.9	08.8	02	30	265	12	40	247	18
15 Q	15	03	775	10	26	717	58	15	02	48.8	05	58	32.9	15.9	06	24	292	11	36	228	64
16	23	28	773	14	43	627	146	15	56	56.2	11	12	32.6	23.6	22	02	258	14	59	18	240
17 D	23	22	919	13	42	133	786	13	29	97.0	17	54	10.6	86.4	02	07	455	13	19	82	373
18 D	00	19	857	08	14	298	559	03	33	78.2	07	09	-22.6	100.8	19	48	352	07	09	-121	473
19	02	00	785	08	33	533	252	04	55	76.8	08	43	07.8	69.0	00	00	330	08	36	-21	351
20	07	10	782	12	04	671	111	02	53	70.7	05	54	25.2	45.5	02	32	299	07	28	168	131
21 Q	01	16	772	21	26	711	61	15	43	46.2	19	43	36.6	09.6	03	33	263	16	03	244	19
22	07	36	771	21	48	709	62	07	54	52.0	20	09	36.3	15.7	21	11	264	13	14	228	36
23 D	04	39	780	12	57	332	448	13	00	73.1	17	41	-29.4	102.5	18	12	327	12	58	-78	405
24 D	05	02	885	12	54	-157	1042	12	16	117.1	12	34	-18.7	135.8	07	27	351	12	51	-341	692
25 D	16	41	793	10	09	255	538	04	22	78.5	07	43	11.8	66.7	05	18	320	10	41	-57	377
26	00	51	820	10	35	515	305	06	02	74.0	10	42	27.7	46.3	00	17	398	10	31	117	281
27	06	59	844	10	08	488	356	07	15	75.4	10	17	24.0	51.4	07	06	288	10	48	34	254
28	02	21	781	09	28	485	296	01	58	56.8	09	14	23.1	33.7	01	56	295	09	30	-83	378
29	01	22	767	08	46	709	58	11	44	45.4	08	42	32.1	13.3	01	06	262	08	44	190	72
30	04	31	772	11	49	611	161	04	15	61.3	14	30	31.8	29.5	04	43	318	12	57	123	195
31 Q	08	19	780	07	46	653	127	18	14	45.7	07	29	24.3	21.4	00	53	254	07	51	73	181
Mean			810			565	245			61.7			21.6	40.1			299			100	199
No. days			31			31	31			31			31	31			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 5 Meanook $H = 12,000\ \gamma +$ February 1941

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	746	751	754	755	756	753	752	748	747	747	745	746	694	745	757	749	735	738	737	724	731	733	735	738	742
2	744	751	754	751	750	748	748	749	736	698	742	720	747	762	757	752	742	737	733	705	700	728	745	742	739
3	738	743	753	839	1010	845	784	738	610	377	535	700	646	550	675	762	748	718	664	655	690	738	749	765	710
4	761	747	764	759	748	742	749	743	711	717	719	746	710	686	717	737	726	717	727	728	729	729	730	731	732
5	742	737	738	752	757	763	770	753	747	726	718	664	663	730	713	721	738	739	701	717	720	698	728	773	730
6	753	778	777	771	754	825	763	749	724	644	486	531	705	658	643	690	718	746	731	716	714	717	720	749	711
7 D	772	787	808	768	836	947	793	686	604	692	670	669	734	659	675	734	742	718	724	716	706	733	734	724	735
8	734	748	757	756	764	747	742	702	588	679	557	591	697	752	734	749	749	741	729	734	726	733	732	734	716
9	737	753	754	762	761	754	681	633	744	740	747	748	747	742	735	733	743	746	736	717	706	703	714	731	732
10	739	740	743	747	743	749	743	731	674	736	740	732	715	712	738	752	752	742	734	732	730	725	724	743	734
11 Q	741	752	748	750	753	752	743	736	742	734	732	731	734	738	734	744	745	743	723	717	707	732	729	736	737
12 Q	740	742	742	750	751	751	753	746	737	653	715	755	755	754	752	754	751	745	736	734	736	735	728	736	740
13 D	754	751	763	759	753	754	753	723	655	516	512	687	684	478	654	744	727	673	689	724	731	729	727	742	695
14	757	791	782	746	756	763	725	689	606	360	122	569	735	729	747	746	749	757	747	737	740	748	747	759	692
15	739	753	770	793	850	757	755	732	680	571	554	740	673	669	725	765	750	720	714	706	732	739	743	746	724
16	750	748	734	747	759	750	746	747	746	739	739	739	747	749	754	757	747	739	728	720	722	730	714	740	741
17	752	746	757	756	762	756	697	730	685	604	271	518	654	728	739	753	740	720	718	693	711	729	741	748	696
18 Q	745	738	744	748	747	744	746	744	726	673	734	717	715	753	754	745	749	738	734	723	729	734	738	745	736
19	748	748	747	748	747	741	742	742	739	731	741	738	750	754	750	741	711	701	721	738	738	734	740	742	739
20	750	751	753	750	748	742	749	733	685	714	721	684	663	701	735	766	757	751	744	737	726	721	705	766	731
21 D	774	804	789	761	756	756	743	739	728	694	619	730	683	518	393	601	718	710	741	748	700	702	767	751	705
22 D	754	746	762	805	770	753	771	750	713	276	399	467	450	720	667	708	685	739	699	691	724	768	746	744	680
23 D	750	763	753	753	746	749	723	638	724	671	596	702	580	523	583	643	707	625	551	705	760	745	742	808	689
24	768	745	750	750	763	782	708	768	750	715	605	434	570	692	728	705	689	708	713	716	736	735	751	746	710
25	752	755	752	757	754	751	756	733	759	726	644	544	589	645	635	746	736	707	699	727	717	746	753	747	714
26	751	750	750	754	783	782	745	752	722	604	619	592	746	744	745	747	729	727	722	709	729	736	742	748	726
27 Q	754	753	752	751	750	748	744	750	750	738	749	753	754	751	753	744	718	705	718	725	727	729	735	740	741
28	766	751	750	761	757	753	750	751	751	751	729	608	750	768	765	750	734	717	713	711	717	731	737	753	738
29																									
30																									
31																									
Mean	750	754	757	761	771	776	746	730	706	651	624	663	689	693	706	734	733	724	715	718	723	731	736	747	722

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook D = 25°E + ...′ February 1941

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	39.2	39.1	39.4	40.3	40.4	41.0	42.5	40.3	41.0	40.6	41.6	44.2	38.8	41.6	42.5	47.5	47.2	43.4	41.2	38.2	34.8	35.4	36.8	38.2	40.6
2	39.0	39.2	39.6	39.9	40.1	40.1	40.1	40.5	42.5	48.1	49.4	48.4	42.6	42.2	42.7	43.1	44.4	45.1	44.2	40.4	30.0	33.2	37.5	40.1	41.4
3	40.8	37.9	36.2	35.3	18.4	42.9	38.7	39.9	41.0	45.5	36.8	48.1	56.2	54.0	53.3	49.5	47.9	44.7	36.5	32.1	30.1	34.7	37.9	39.9	40.8
4	37.3	37.7	38.6	33.9	39.9	40.0	40.1	37.4	37.7	42.5	45.8	47.2	53.3	52.9	53.4	46.5	45.2	41.4	38.0	38.4	37.5	37.4	37.9	40.0	41.7
5	38.2	38.3	37.3	41.0	38.4	39.4	41.8	39.9	39.2	43.8	45.3	48.1	51.0	52.2	52.5	42.2	46.2	46.2	37.8	35.8	36.0	35.4	30.0	34.8	41.3
6	36.6	33.9	34.5	37.4	38.2	42.7	59.5	42.9	40.4	42.1	43.4	47.0	52.7	44.3	36.4	42.7	45.6	43.1	43.9	41.2	37.7	35.7	34.3	33.5	41.2
7 D	37.1	29.3	27.6	34.4	32.5	37.8	46.4	38.7	42.2	53.1	45.1	39.7	42.5	42.6	40.9	35.1	41.0	40.0	40.4	36.4	36.4	38.0	37.4	36.2	38.8
8	36.9	36.1	35.7	38.4	56.2	38.4	39.9	40.0	35.2	37.4	59.0	30.5	40.4	45.2	42.3	43.9	43.8	43.6	41.8	41.2	38.7	40.1	37.4	36.6	40.8
9	37.8	39.1	39.2	49.9	40.9	37.5	52.8	39.2	43.0	40.5	40.2	41.4	41.0	42.4	42.7	40.4	44.3	43.3	42.7	42.7	40.5	35.9	34.0	38.4	41.2
10	36.9	38.8	41.5	38.8	42.3	43.1	45.0	36.1	40.4	45.2	43.7	43.1	40.0	39.7	41.4	43.9	43.7	41.9	40.7	40.6	39.4	37.5	35.8	36.9	40.7
11 Q	38.0	37.4	37.1	40.4	40.0	38.5	46.6	37.2	42.7	39.7	41.5	43.2	45.6	41.9	40.5	42.7	44.5	42.6	40.4	36.3	34.0	35.0	35.3	36.2	39.9
12 Q	34.9	34.0	36.7	40.2	39.1	41.8	42.7	42.1	42.3	42.1	46.5	42.4	41.7	40.7	42.7	44.1	45.2	45.7	43.1	42.7	39.3	37.5	36.1	35.9	40.8
13 D	35.0	34.1	37.5	38.7	40.7	40.2	40.5	41.1	56.0	51.7	62.2	51.8	57.1	47.9	43.9	44.3	40.5	28.7	29.8	34.9	37.9	36.5	37.2	38.8	42.0
14	39.7	47.0	46.5	41.7	41.9	47.3	46.7	47.1	48.9	33.9	14.9	35.4	44.1	42.3	42.7	42.6	42.4	43.1	41.8	40.0	38.5	37.9	37.9	36.3	39.6
15	38.8	41.7	38.8	45.9	58.9	32.0	41.7	41.4	38.7	31.1	51.3	44.7	50.5	41.4	42.8	45.0	45.7	40.4	38.8	35.9	35.0	34.9	37.5	39.2	41.3
16	40.0	39.6	42.8	44.0	42.4	41.8	40.5	40.5	40.4	37.8	42.8	42.7	41.7	41.3	43.5	45.3	44.7	41.9	40.0	36.2	36.2	36.6	41.4	40.4	41.0
17	38.9	40.2	40.5	38.9	43.2	43.3	26.6	39.7	33.8	38.2	51.9	45.3	42.4	42.8	45.9	42.4	43.7	41.8	38.8	35.1	36.3	35.6	36.3	38.9	40.0
18 Q	38.5	39.9	39.2	39.0	39.9	41.1	45.1	41.2	38.5	36.6	41.5	37.3	37.2	40.8	41.6	41.5	44.8	43.8	40.2	39.2	38.6	38.0	37.9	38.0	40.0
19	38.4	38.8	39.2	39.6	39.4	39.3	39.6	39.8	40.2	41.4	42.9	39.3	39.9	42.4	42.7	44.0	42.9	34.7	34.0	38.0	39.0	39.0	39.0	39.0	39.7
20	38.6	38.6	39.0	39.7	39.3	39.2	41.4	41.5	31.4	43.7	45.5	48.3	47.4	41.2	41.5	43.3	43.2	44.4	42.0	41.1	39.0	34.5	35.3	33.7	40.5
21 D	36.7	40.2	50.3	42.9	41.8	41.6	39.9	41.1	41.6	48.0	47.7	46.8	47.1	53.1	48.3	38.9	35.1	29.8	40.1	41.2	42.0	39.3	37.2	36.4	42.0
22 D	38.9	40.5	37.7	60.0	53.1	37.6	45.3	36.3	40.3	16.8	42.8	73.1	45.5	37.9	42.7	41.8	37.7	32.9	33.2	35.4	39.9	41.8	43.2	37.9	41.3
23 D	40.7	40.7	46.0	39.6	44.4	44.1	37.1	28.1	42.0	39.9	31.6	43.8	50.1	42.4	37.9	34.7	40.5	35.6	11.5	23.7	35.6	39.2	40.3	44.4	38.1
24	38.1	38.9	39.7	41.9	41.8	42.2	26.4	43.3	37.2	46.4	42.8	37.0	36.3	36.6	42.4	38.8	34.7	35.0	39.3	39.4	38.8	37.5	38.1	41.9	38.9
25	42.3	43.4	38.9	40.3	41.6	39.3	40.4	41.5	41.3	42.4	36.3	42.4	40.9	38.0	41.9	40.4	40.8	36.8	38.3	36.5	33.1	34.3	36.8	41.9	39.6
26	39.3	38.9	50.1	55.9	43.5	41.5	37.7	40.7	41.6	36.8	28.9	42.3	44.2	46.8	44.5	43.2	43.9	44.2	42.8	42.1	40.3	38.0	37.3	37.1	41.7
27 Q	39.3	39.1	39.8	39.8	39.5	40.0	41.7	39.3	39.7	36.1	39.1	40.8	41.2	41.3	42.4	44.2	48.1	43.9	39.4	39.0	38.0	37.8	37.7	38.0	40.2
28	37.2	39.8	38.2	38.3	38.5	38.5	38.1	38.0	36.4	38.6	40.3	29.0	43.0	47.7	47.8	47.2	45.4	44.5	40.3	36.7	35.0	34.5	35.6	35.7	39.3
29																									
30																									
31																									
Mean	38.3	38.6	39.2	41.3	41.3	40.4	41.6	39.8	40.6	40.7	41.8	43.7	44.8	43.7	43.7	42.8	43.3	40.8	38.6	37.9	37.1	36.8	37.1	38.0	40.5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook $Z = 59,000\ \gamma +$ February 1941

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	238	239	239	240	240	242	241	238	233	232	232	229	182	206	231	228	220	210	219	228	228	231	237	239	229
2	236	237	238	237	237	237	237	236	228	145	206	198	217	237	238	241	237	235	234	232	224	231	247	242	229
3	246	256	286	333	311	314	290	243	260	159	265	246	178	114	176	266	255	242	250	276	266	276	282	278	253
4	271	276	298	298	268	260	267	254	249	235	198	239	210	182	185	237	230	228	240	246	247	245	245	244	244
5	252	254	262	272	269	276	286	266	266	244	227	194	162	206	198	209	216	219	215	224	233	244	264	289	240
6	289	282	316	289	280	312	221	246	229	121	059	074	175	161	160	131	148	204	230	236	243	249	249	270	216
7 D	304	300	300	285	327	256	266	208	134	167	229	243	239	181	196	241	239	242	268	249	247	258	251	249	245
8	284	268	269	268	272	259	245	220	135	092	094	057	209	160	201	216	242	232	236	247	248	257	253	252	217
9	253	259	273	289	264	268	199	211	220	222	225	238	236	233	231	236	239	234	233	233	260	256	256	258	243
10	253	272	267	266	272	260	237	219	142	199	220	211	199	189	226	233	229	227	226	228	232	234	238	248	230
11 Q	254	259	256	250	251	263	261	234	232	233	224	223	222	222	221	231	230	226	229	233	245	249	246	248	239
12 Q	254	258	265	265	264	262	259	246	236	149	154	212	228	233	230	230	230	226	227	227	228	229	229	228	232
13 D	241	264	259	261	258	234	226	222	157	020	005	151	140	070	119	195	208	212	217	224	241	250	256	261	196
14	271	357	297	265	259	236	111	160	047	-030	-035	057	175	197	205	221	243	227	227	228	239	240	244	249	195
15	260	268	287	283	200	179	229	202	121	012	-026	167	127	172	180	214	237	223	244	239	243	241	241	240	199
16	240	238	263	268	251	238	231	218	207	189	181	209	217	215	214	216	215	217	218	224	226	237	263	253	227
17	242	241	241	253	273	236	133	127	138	044	-002	-001	174	212	221	243	240	238	242	240	248	246	244	244	197
18 Q	242	240	239	241	239	249	245	237	218	096	184	207	199	220	223	225	224	221	223	227	229	228	230	229	222
19	230	229	228	227	227	225	227	226	223	195	195	213	216	212	218	217	208	207	205	206	211	213	218	225	217
20	220	220	220	220	222	225	225	220	094	125	149	120	115	202	202	203	204	206	211	210	213	217	231	268	198
21 D	267	281	305	274	243	230	211	202	184	117	076	166	155	101	178	228	215	184	220	242	242	282	305	253	215
22 D	239	243	246	285	244	232	192	171	171	025	020	040	135	185	133	180	191	221	225	208	243	279	263	243	192
23 D	225	223	222	222	222	215	152	046	129	117	052	120	057	034	080	125	172	193	170	228	256	239	244	278	168
24	234	214	214	228	230	148	048	124	154	146	121	052	049	105	151	166	185	204	204	215	218	205	211	224	169
25	218	220	214	209	210	200	196	141	179	170	125	025	082	095	132	165	179	174	189	200	198	212	227	218	174
26	205	202	241	216	241	221	191	183	182	054	-006	-001	135	159	187	214	200	200	200	198	199	199	196	194	175
27 Q	194	195	195	196	196	199	200	199	192	172	183	193	192	191	192	192	198	198	197	194	195	199	201	202	194
28	209	209	209	206	203	202	200	192	180	176	148	056	142	177	186	185	186	187	192	196	199	200	205	209	186
29																									
30																									
31																									
Mean	245	250	255	255	249	238	215	203	184	137	132	148	170	174	190	210	215	216	221	226	232	238	242	244	212

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Meanook — February 1941

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	06	36	761	12	23	665	96	06	13	49.5	09	32	33.9	15.6	06	29	245	12	24	167	78
2	13	30	767	09	41	681	86	05	59	52.2	20	29	29.0	23.2	22	41	249	09	41	106	143
3	04	39	1086	09	42	212	874	09	39	82.2	04	42	01.0	81.2	03	13	374	13	39	79	295
4	02	51	793	13	27	654	139	13	22	62.0	03	10	28.6	33.4	03	17	309	10	13	154	155
5	23	36	793	12	07	591	202	14	05	61.1	22	08	26.6	34.5	22	58	318	12	09	94	224
6	05	55	921	10	05	381	540	06	15	75.2	09	56	12.2	63.0	05	39	349	11	04	-03	352
7 D	05	54	1090	08	13	469	621	09	30	64.7	02	28	21.8	42.9	03	58	359	08	13	50	309
8	07	39	789	08	37	430	359	04	10	65.9	08	05	13.0	52.9	00	32	295	11	34	06	289
9	03	44	782	07	07	394	388	03	45	68.7	07	03	22.3	46.4	03	35	321	07	03	131	190
10	15	11	766	08	29	640	126	06	14	50.8	08	10	28.8	22.0	08	44	287	05	13	124	163
11 Q	01	40	761	20	40	696	65	06	26	53.9	07	00	30.7	23.2	05	35	274	08	04	213	61
12 Q	11	15	764	09	43	577	187	10	20	48.9	01	46	33.2	15.7	03	57	271	09	46	92	179
13 D	15	05	782	13	30	375	407	08	40	89.2	17	40	16.1	73.1	23	49	278	10	14	-129	407
14	01	22	866	10	39	-150	1016	10	02	72.6	10	33	-38.5	111.1	01	34	425	10	31	-150	575
15	04	35	1236	09	56	476	760	04	40	89.5	05	05	-30.7	120.2	04	22	336	10	36	-76	412
16	03	40	773	22	32	685	88	17	15	49.2	20	23	32.7	16.5	02	36	289	10	00	164	125
17	05	52	960	10	26	160	800	10	28	75.7	06	19	-12.7	88.2	04	08	306	10	28	-78	384
18 Q	13	16	766	09	22	606	160	06	20	47.7	09	08	25.6	22.1	05	41	254	09	18	35	219
19	13	10	758	17	53	684	74	11	28	45.7	18	21	30.3	15.4	23	30	233	10	24	181	52
20	23	00	784	11	58	615	169	11	40	54.5	08	26	27.2	27.3	23	58	316	08	23	29	287
21 D	01	52	932	14	13	172	760	14	04	78.8	17	16	22.1	56.7	01	53	373	13	49	152	221
22 D	03	45	847	09	45	150	697	11	25	89.9	09	50	-09.2	99.1	03	07	323	09	19	-94	417
23 D	23	52	859	06	53	402	457	12	32	55.8	06	54	-04.9	60.7	23	14	315	06	52	-88	403
24	07	09	888	11	22	316	572	06	01	68.3	06	13	-04.0	72.3	16	56	276	06	23	-89	365
25	22	25	789	12	07	332	457	12	22	56.4	12	54	27.9	28.5	22	30	243	12	01	-86	329
26	05	41	831	11	04	502	329	02	50	65.4	10	42	18.2	47.2	02	27	268	11	04	-84	352
27 Q	01	17	759	17	47	691	68	16	28	50.6	09	23	33.3	17.3	23	42	206	09	29	151	55
28	00	50	777	11	30	539	238	13	51	49.5	11	18	24.3	25.2	00	56	219	11	25	-05	224
29																					
30																					
31																					
Mean			846			468	378			73.9			18.3	55.6			296			37	259
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 1941

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	762	749	767	765	884	1090	745	808	212	155	037	412	726	569	206	329	454	440	752	597	662	734	841	744	602
2	679	709	712	716	778	719	689	651	422	633	394	631	675	714	684	656	588	680	671	709	725	726	762	734	669
3	726	742	758	742	750	735	717	723	689	627	518	542	561	715	706	643	594	653	697	680	700	699	712	724	681
4	761	746	749	747	799	765	808	592	671	326	439	707	745	718	567	557	706	708	719	717	707	708	759	761	687
5	825	735	735	859	746	824	785	750	742	647	514	406	357	642	524	720	677	680	677	670	692	710	743	753	684
6	760	766	743	732	756	749	746	688	727	696	504	667	733	723	712	711	702	656	721	723	727	723	723	743	714
7	725	727	744	746	742	741	732	722	711	545	621	714	739	741	732	725	714	711	713	714	733	730	739	743	717
8	761	743	775	734	741	739	734	734	712	716	742	717	731	742	725	711	698	695	692	699	712	722	731	747	727
9	748	746	746	737	744	757	741	676	662	725	735	737	739	737	733	726	723	717	721	718	712	730	744	726	728
10 Q	735	741	757	761	776	759	748	735	733	713	722	730	730	735	744	734	717	700	702	710	716	723	730	740	733
11	718	733	740	743	747	745	749	744	735	728	729	726	735	748	744	729	711	709	708	707	700	716	723	721	729
12	735	735	735	735	735	735	736	735	742	744	745	745	735	652	656	740	737	726	716	707	706	716	722	711	724
13	722	748	749	758	816	845	795	782	764	741	735	735	736	735	735	716	705	690	689	681	702	734	741	736	741
14 D	901	1225	968	865	973	659	431	091	459	028	085	000	165	625	714	749	736	719	705	743	731	766	810	807	623
15	729	732	727	728	733	724	735	659	460	675	669	625	603	721	739	729	724	696	696	703	714	722	735	716	696
16 Q	717	716	726	728	719	721	725	725	717	702	708	719	732	734	737	735	724	712	709	710	714	716	717	722	720
17 Q	735	736	739	726	734	732	739	737	726	737	743	744	745	733	740	738	732	714	707	707	707	716	723	732	730
18	737	745	755	759	754	753	747	755	754	755	759	759	760	763	762	760	745	726	718	727	727	735	722	709	745
19	724	740	742	740	737	738	742	748	737	717	724	423	-069	385	527	724	773	721	711	720	729	725	746	763	665
20	777	763	749	780	745	749	747	603	638	482	439	523	481	629	674	684	621	706	706	728	738	721	756	765	675
21	771	767	754	764	746	739	534	670	661	463	540	505	621	642	753	726	724	723	667	737	718	743	741	762	686
22	746	760	745	744	741	625	760	665	642	607	562	665	486	680	715	694	628	662	704	737	719	718	759	732	687
23	743	746	746	758	750	760	732	722	703	670	648	651	705	740	740	725	670	684	693	718	731	745	766	724	720
24	722	735	745	730	744	740	740	742	745	721	656	712	730	746	736	716	726	707	709	711	719	716	723	732	725
25	734	733	736	743	744	747	740	744	675	476	725	762	747	742	743	748	733	723	706	708	712	711	714	726	720
26 Q	738	739	743	742	740	742	734	742	736	724	742	742	743	735	743	752	736	726	724	719	716	707	710	721	733
27 Q	736	741	744	745	744	745	745	745	745	745	745	744	747	749	750	750	740	723	717	726	734	736	742	745	741
28 D	779	754	759	738	742	771	769	743	720	194	295	583	550	272	503	435	731	618	687	651	736	788	784	775	641
29	810	797	790	809	754	718	610	613	633	568	647	705	699	574	681	687	668	599	643	710	727	820	801	779	702
30 D	814	760	871	778	812	742	676	583	421	608	567	479	450	492	673	711	570	356	599	749	805	935	1031	955	685
31 D	1082	961	836	943	795	504	648	628	020	246	030	-182	637	777	758	746	732	719	689	697	702	728	737	724	632
Mean	763	767	761	761	765	746	719	686	636	584	572	601	628	674	682	694	692	677	699	708	718	736	754	748	699

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook D = 25°E + ... ′ March 1941

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	35.5	35.5	35.7	37.6	57.5	49.1	06.1	22.9	06.8	14.7	68.0	50.4	43.4	65.3	88.4	120.3	126.6	138.5	54.3	55.9	51.9	61.2	49.7	40.2	52.4
2	38.3	43.3	45.0	39.4	41.7	55.3	37.4	38.2	34.5	39.5	36.4	37.3	45.5	43.5	45.5	48.7	47.1	48.1	47.5	42.5	45.4	40.0	36.9	35.9	42.2
3	35.1	37.4	40.3	37.7	43.0	41.6	40.8	46.4	40.7	36.4	33.9	33.8	34.1	38.1	39.5	40.2	40.3	42.5	34.1	36.0	38.7	39.0	39.9	39.7	38.7
4	34.2	41.2	39.5	38.3	47.1	40.3	33.1	32.0	40.8	45.6	39.0	43.8	43.5	45.0	44.1	42.6	48.7	48.5	43.5	39.3	41.3	43.3	39.5	32.6	41.1
5	41.3	38.3	34.7	46.0	45.5	40.4	45.5	39.6	39.5	38.1	38.3	37.2	39.4	47.5	49.2	43.9	41.4	44.6	43.5	37.7	38.8	37.7	35.8	35.2	40.8
6	35.5	40.8	39.4	39.6	39.8	53.0	40.4	39.0	39.6	43.6	17.4	38.6	41.7	41.8	45.2	47.4	43.8	41.0	36.2	36.9	37.8	38.3	39.2	40.7	39.9
7	41.7	41.0	41.3	40.4	39.5	39.2	42.1	44.6	48.8	50.0	45.2	43.8	45.6	43.4	45.5	46.9	43.8	40.8	36.6	33.1	35.6	36.4	35.7	35.6	41.5
8	35.6	36.2	36.4	38.1	37.9	37.8	38.4	39.6	38.2	38.7	42.0	42.6	46.0	44.3	44.3	43.5	41.7	35.6	32.0	31.3	32.6	35.5	36.4	36.2	38.4
9	35.1	47.9	35.3	36.5	39.1	40.8	49.1	35.1	39.1	40.9	39.2	40.4	40.4	40.5	41.7	42.4	43.4	44.0	39.6	39.1	39.0	38.1	38.2	38.1	40.1
10 Q	40.7	38.2	32.9	37.4	35.3	50.5	39.4	37.8	39.0	37.8	39.2	41.4	43.6	43.0	45.5	45.9	44.8	43.1	39.5	37.4	36.5	36.5	37.9	37.9	40.0
11	38.4	38.6	37.2	38.3	38.4	40.9	40.8	39.9	39.0	39.5	42.2	47.3	43.5	44.3	48.5	48.2	48.2	47.4	39.9	40.3	31.3	35.3	31.6	32.9	40.5
12	37.9	38.1	39.9	40.0	40.1	39.8	39.0	39.5	39.5	40.1	41.2	41.6	41.7	41.3	49.2	47.3	51.1	46.0	40.9	37.8	36.2	37.4	37.0	36.2	40.8
13	40.4	36.2	34.0	39.7	36.3	35.8	37.0	36.6	35.9	41.0	41.1	42.1	42.3	43.6	45.4	48.2	48.0	47.0	38.2	32.3	31.7	32.1	32.8	33.1	38.8
14 D	27.5	51.9	47.6	29.6	36.9	68.2	29.3	67.1	46.0	55.1	50.9	61.2	84.4	39.6	44.1	49.7	48.9	44.1	40.6	43.9	39.2	39.5	40.8	43.1	47.0
15	37.8	38.7	38.2	50.0	40.5	46.0	43.5	32.7	35.8	40.9	48.6	38.0	33.1	42.3	44.8	44.4	43.6	42.2	37.9	39.1	37.9	38.2	41.7	40.8	40.7
16 Q	37.9	37.5	39.5	39.5	41.8	42.7	37.6	38.0	37.5	36.1	38.0	39.5	40.1	40.5	43.4	44.9	44.4	43.6	40.6	38.4	37.0	37.1	37.0	37.3	39.6
17 Q	36.6	37.0	37.4	38.3	37.8	36.9	40.5	40.9	40.9	40.5	39.2	39.3	38.9	39.1	41.9	44.7	42.8	41.0	39.1	37.3	34.4	33.3	32.4	32.3	38.4
18	33.1	33.7	34.5	34.4	34.5	34.8	35.7	36.6	35.4	37.0	37.3	37.8	35.9	37.8	39.5	41.8	42.6	41.9	39.6	37.6	36.6	37.0	34.5	35.0	36.9
19	38.4	36.5	35.8	36.2	36.6	36.9	37.8	49.6	46.1	45.7	47.0	51.5	58.2	51.9	42.4	41.5	45.4	37.9	36.3	36.5	34.3	33.1	35.2	33.9	41.0
20	33.5	44.8	36.9	56.4	48.8	37.5	42.6	21.9	48.3	40.6	35.6	41.5	45.3	37.4	42.3	45.8	35.9	34.3	34.4	39.2	38.5	41.0	41.0	34.9	39.9
21	41.0	37.2	52.3	62.8	40.3	31.6	19.0	34.5	48.4	42.2	20.8	25.4	36.8	40.9	44.5	44.8	40.6	39.7	47.4	42.6	31.9	33.1	34.0	38.0	38.7
22	38.8	37.6	56.3	51.3	52.4	47.6	43.7	41.1	41.8	29.4	49.0	43.7	36.7	34.5	38.8	42.0	39.0	37.0	36.7	38.6	39.0	37.4	35.9	38.0	41.1
23	38.6	37.0	37.1	38.3	36.8	42.3	36.0	41.1	45.5	40.2	42.2	31.6	45.2	42.9	43.6	44.2	37.1	38.6	31.1	34.2	34.6	38.4	42.2	39.7	39.1
24	35.4	36.2	36.8	39.7	37.4	37.4	38.5	41.8	40.3	39.3	35.4	36.8	38.0	40.2	40.9	41.2	42.6	42.3	39.3	35.4	37.5	35.3	35.7	35.1	38.3
25	35.1	35.8	37.2	43.6	42.2	38.1	35.3	35.4	42.0	32.8	40.5	40.6	40.6	40.3	42.9	46.7	47.4	43.2	39.7	37.5	37.0	35.7	35.4	35.5	39.2
26 Q	36.0	36.8	37.0	36.6	37.5	38.3	42.2	37.1	38.3	36.7	39.0	39.4	38.9	38.5	41.4	43.2	44.6	44.4	41.6	40.7	39.2	37.2	35.8	35.4	39.0
27 Q	34.9	35.7	35.9	36.6	37.0	37.1	37.1	38.1	38.4	38.3	37.6	38.0	38.9	41.0	42.3	44.8	46.3	46.2	44.2	38.9	36.0	33.3	33.1	32.8	38.4
28 D	28.6	28.1	31.3	31.1	33.3	29.5	31.3	35.9	38.4	52.8	101.0	62.8	64.6	39.8	46.3	42.7	52.7	44.2	34.2	30.8	38.4	26.1	25.2	26.7	40.7
29	25.6	26.7	35.4	31.9	35.8	38.1	33.5	31.1	38.4	41.6	39.5	39.4	41.3	43.6	47.6	48.9	45.4	43.3	37.8	30.7	42.0	40.3	31.6	32.6	37.6
30 D	36.8	36.9	42.0	41.7	39.8	41.8	36.8	37.3	33.5	56.0	46.3	40.6	33.2	32.9	51.2	52.4	51.4	40.6	40.2	42.0	62.0	59.3	45.3	39.3	43.3
31 D	33.2	45.5	34.6	41.7	37.7	12.1	16.7	32.9	03.0	33.3	40.4	24.5	45.6	43.2	46.4	48.6	49.3	50.2	50.5	46.9	40.1	37.6	35.5	35.9	36.9
Mean	36.1	38.3	38.6	40.3	40.3	40.7	35.9	36.7	38.0	40.1	42.3	41.0	43.4	42.2	45.7	47.7	47.4	45.9	39.9	38.4	38.5	38.2	36.9	36.2	40.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Meanook $Z = 59,000\ \gamma +$ March 1941

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	207	213	232	243	212	153	-014	220	185	300	532	155	185	496	1128	1218	1016	1212	607	307	300	239	311	353	417
2	300	286	290	296	300	270	240	225	220	210	212	214	216	212	210	206	214	262	254	257	277	274	275	259	249
3	260	290	276	263	265	261	234	224	191	162	088	001	095	219	211	169	208	247	242	241	235	235	237	241	212
4	274	291	276	245	255	208	217	131	159	043	100	172	236	217	129	108	189	206	238	237	241	270	283	284	209
5	320	248	255	220	103	270	248	237	237	193	115	053	-105	118	119	231	196	197	242	260	263	278	303	274	203
6	278	297	259	250	272	224	230	135	189	197	147	115	218	219	210	207	210	195	218	224	223	224	225	230	216
7	234	232	244	239	229	228	218	202	162	043	141	187	219	224	221	212	208	206	210	214	221	224	234	248	208
8	252	246	296	237	226	225	228	215	182	148	177	171	168	206	208	209	198	198	203	209	208	233	235	238	213
9	262	287	256	245	246	245	164	140	146	174	203	205	210	208	212	216	217	215	211	219	228	234	238	262	218
10 Q	264	255	294	320	302	245	236	233	215	189	181	189	198	195	204	210	213	209	210	210	212	212	214	218	226
11	217	219	220	218	218	225	231	223	215	206	176	184	197	176	197	205	203	195	195	192	192	194	242	242	208
12	211	208	206	203	202	197	196	197	197	199	198	194	182	116	081	151	158	164	174	178	192	202	213	216	185
13	218	218	236	254	287	296	270	234	230	201	202	198	197	196	196	193	187	183	183	185	191	220	238	245	219
14 D	296	097	244	251	139	066	212	071	235	259	081	146	330	201	208	222	219	214	207	228	235	235	268	240	204
15	217	214	221	246	239	215	143	052	-130	045	120	137	075	142	188	191	199	198	203	210	209	220	240	218	167
16 Q	224	226	220	214	213	213	207	201	175	127	149	162	189	198	199	197	196	197	198	201	203	205	204	203	197
17 Q	204	204	205	206	207	207	194	172	155	177	198	198	196	191	197	198	194	193	195	200	202	199	199	200	196
18	203	213	213	209	207	208	204	196	206	201	200	201	197	200	205	206	201	202	205	205	207	208	209	221	205
19	219	214	208	207	206	205	209	218	191	157	155	118	-055	002	061	196	200	198	203	206	230	230	228	231	176
20	252	266	231	238	225	235	150	-001	139	156	043	089	185	211	189	189	169	198	218	226	239	249	256	253	192
21	263	240	254	217	230	174	026	098	117	083	085	070	170	147	232	218	214	221	227	312	307	260	249	253	194
22	227	231	276	234	217	138	206	138	086	041	-041	180	098	192	187	197	174	202	256	267	257	246	254	255	188
23	246	237	235	250	251	244	156	154	154	119	120	143	158	199	217	213	189	221	219	228	239	256	301	258	209
24	237	237	239	239	236	228	223	205	177	174	159	186	194	210	212	205	209	217	222	223	234	243	244	232	216
25	227	225	225	231	217	222	201	190	131	-003	136	203	209	211	211	212	210	210	215	218	224	223	221	219	200
26 Q	220	223	224	225	235	247	186	216	207	194	208	223	226	227	227	227	225	217	218	215	223	222	226	222	220
27 Q	222	221	222	221	220	217	216	215	214	213	207	200	201	208	214	216	216	216	214	216	218	218	216	212	215
28 D	232	258	300	257	215	240	241	228	224	-111	-100	164	158	046	-074	012	207	185	221	241	273	300	258	266	177
29	262	285	297	308	263	217	113	115	128	102	161	203	193	172	189	189	186	191	232	264	275	319	305	269	218
30 D	266	255	282	197	244	202	205	126	038	112	217	219	119	078	242	237	124	129	181	244	224	139	116	010	175
31 D	061	068	060	165	099	-003	113	196	098	028	-085	131	118	247	246	244	236	237	228	228	229	241	236	231	152
Mean	238	232	242	237	225	210	190	174	164	140	145	162	167	190	215	229	225	237	227	228	233	234	241	236	209

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook March 1941

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	39	1233	09	55	-118	1351	14	55	162.2	07	00	-55.9	218.1	17	16	1671	06	41	-142	1813
2	22	00	802	10	30	214	588	10	36	65.0	05	53	-0.5	65.5	04	02	353	16	42	203	150
3	02	10	792	10	45	371	421	07	32	52.3	11	06	20.1	32.2	01	25	309	11	09	-77	386
4	04	26	890	09	51	-96	986	10	51	71.1	07	09	-06.8	77.9	01	42	321	10	01	-199	520
5	04	14	1078	12	29	240	838	03	30	72.9	11	56	16.9	56.0	00	20	373	12	31	-231	604
6	05	35	806	08	34	450	356	05	35	76.2	10	29	08.9	67.3	02	51	355	10	45	-05	360
7	02	11	779	09	22	472	307	09	43	57.6	19	01	28.7	28.9	02	13	262	09	24	-25	287
8	02	56	828	09	04	679	149	02	54	51.8	19	47	28.7	23.1	02	37	392	09	25	130	262
9	06	21	789	08	02	556	233	06	01	59.4	08	06	22.8	36.6	01	24	319	08	00	45	274
10 Q	05	09	800	09	52	693	107	05	39	67.7	02	36	28.3	39.4	03	23	345	09	53	167	178
11	05	38	762	20	34	686	76	14	14	49.9	22	25	27.4	22.5	23	04	278	10	09	156	122
12	18	34	800	13	54	554	246	14	36	53.1	20	20	34.2	18.9	23	59	222	14	08	27	195
13	05	40	867	19	25	653	214	15	50	51.3	08	10	21.9	29.4	05	35	321	17	54	172	149
14 D	01	00	1432	09	55	-191	1623	12	11	140.6	11	59	-27.2	167.8	12	29	528	07	31	-255	783
15	01	17	801	08	25	329	472	04	25	73.1	12	02	19.3	53.8	22	33	252	08	31	-211	463
16 Q	01	17	779	19	01	695	84	04	59	47.0	08	43	31.7	15.3	01	30	232	09	34	110	122
17 Q	06	37	759	20	12	693	66	06	46	47.7	23	33	31.4	16.3	03	30	209	08	51	142	67
18	21	20	768	23	34	689	79	16	41	46.3	23	26	31.1	15.2	23	28	230	07	14	190	40
19	23	54	821	12	20	-180	1001	12	21	99.3	12	44	-01.1	100.4	11	46	274	12	18	-303	577
20	06	34	831	10	13	238	593	02	25	71.1	08	16	-04.0	75.1	00	57	306	10	18	-108	414
21	05	52	853	09	43	338	515	03	07	71.8	06	43	01.6	70.2	20	16	373	06	48	-145	518
22	06	37	806	12	33	328	478	10	50	82.8	09	47	16.2	66.6	02	28	330	05	29	-70	400
23	22	48	842	10	11	585	257	06	03	53.6	17	14	23.7	29.9	22	18	336	09	51	36	300
24	02	07	763	10	21	593	170	17	33	48.0	19	24	30.2	17.8	22	35	258	10	11	139	119
25	11	33	768	09	08	303	465	04	07	52.2	09	31	27.0	25.2	03	35	238	09	34	-112	350
26 Q	06	07	770	09	07	699	71	06	18	46.1	09	22	34.9	11.2	05	07	263	06	21	150	113
27 Q	14	53	755	18	37	706	49	16	27	47.1	23	18	32.0	15.1	00	51	223	11	48	198	25
28 D	22	06	905	09	39	-24	929	10	08	140.8	13	27	-04.1	144.9	21	04	341	09	38	-365	706
29	21	44	885	09	43	498	387	06	49	52.8	06	33	12.6	40.2	21	44	361	07	14	45	316
30 D	21	52	1141	07	57	111	1030	21	21	81.3	12	54	09.4	71.9	02	17	364	07	42	-162	526
31 D	00	45	1159	11	35	-233	1392	12	00	99.7	08	10	-45.0	144.7	11	09	758	08	58	-264	1022
Mean			873			372	501			70.7			12.7	58.0			368			-25	393
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 1941

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	716	724	726	732	729	724	726	726	725	725	725	708	708	726	729	724	718	708	708	708	715	725	742	747	723
2	758	753	754	753	751	743	754	718	694	706	736	716	692	626	662	716	731	718	708	707	700	703	716	729	718
3	733	750	761	761	775	750	725	736	731	734	740	724	698	708	707	698	705	719	710	696	700	684	717	722	724
4	740	773	750	737	736	738	736	740	736	668	697	726	734	744	742	732	722	714	710	710	709	712	717	736	728
5	740	744	744	745	745	762	783	735	743	741	737	737	733	743	741	728	717	716	716	716	716	718	719	724	735
6	746	748	755	755	775	744	759	748	737	736	730	730	731	736	732	719	720	719	716	718	728	720	712	722	735
7 D	737	745	746	739	740	740	739	748	752	751	589	582	688	750	766	752	734	733	723	716	719	694	732	761	724
8	794	744	736	726	732	739	745	744	746	736	735	736	700	719	745	739	722	715	717	720	724	729	735	729	734
9	716	739	756	851	795	783	736	753	689	754	729	698	673	605	644	719	730	728	727	727	728	720	733	723	727
10 D	737	736	742	726	729	728	745	578	670	668	695	698	720	747	745	647	655	682	695	712	719	753	702	718	706
11	755	781	757	746	775	739	747	685	469	389	751	748	725	700	720	727	729	713	709	706	692	703	701	722	704
12	719	747	726	728	752	729	693	699	703	729	709	635	619	720	731	741	726	727	721	712	712	717	721	722	714
13	742	734	742	740	733	734	736	737	743	743	732	725	724	731	732	745	734	716	704	696	703	710	721	735	729
14 Q	756	752	751	756	743	737	740	738	742	733	742	742	743	748	752	751	741	735	723	710	692	687	695	704	734
15	717	720	720	722	723	722	725	728	730	732	731	735	742	740	740	735	731	710	699	693	680	686	686	690	718
16	754	741	733	742	741	740	741	745	750	721	654	394	676	720	732	757	756	744	737	729	720	724	727	742	718
17	741	744	740	741	732	740	743	744	746	747	710	686	748	768	768	766	756	734	735	732	734	733	735	734	740
18	764	736	734	743	742	736	736	727	734	747	739	727	599	625	727	738	727	730	735	736	736	771	760	737	729
19 D	759	742	742	740	797	492	466	425	147	617	638	541	690	643	668	677	716	706	706	722	734	738	737	746	650
20	762	744	750	738	738	735	729	512	705	760	754	735	746	742	735	744	740	735	728	736	728	734	752	725	730
21	749	761	744	718	732	736	731	738	728	694	718	718	725	703	723	734	728	717	709	707	717	725	728	733	726
22 Q	740	739	743	740	737	732	713	742	747	748	747	747	740	743	734	731	716	710	709	717	716	725	718	735	732
23 Q	744	742	746	737	738	739	739	739	742	738	713	678	698	748	748	738	728	719	712	716	715	713	724	733	729
24 D	736	743	745	743	744	745	753	785	583	105	089	508	495	423	261	605	624	598	649	727	829	906	932	867	633
25 D	874	917	949	730	767	404	406	421	624	379	445	707	702	710	719	685	736	707	703	722	713	751	757	754	678
26	770	781	759	737	764	714	739	680	608	307	701	747	739	729	736	729	725	710	715	717	729	734	729	742	710
27 Q	732	739	724	725	726	728	730	739	733	717	707	721	730	724	722	726	711	699	699	704	711	725	717	722	721
28	732	734	746	761	852	744	716	715	696	603	511	568	684	716	711	676	678	692	698	677	704	791	811	804	709
29	973	1004	934	855	703	698	717	711	651	708	735	731	726	735	735	729	726	720	712	709	711	709	710	724	753
30 Q	721	738	735	746	741	733	717	720	727	727	734	732	731	731	730	724	715	710	705	708	711	713	709	711	724
31																									
Mean	755	760	756	747	750	718	716	698	684	662	679	686	702	707	711	721	720	713	711	714	718	728	733	736	718

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Meanook $D = 25°E + \ldots\ldots'$ April 1941

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	36.0	36.4	36.5	39.5	38.3	38.2	38.2	38.3	39.4	39.5	39.4	37.4	36.9	41.4	44.1	46.0	46.0	44.6	40.0	37.3	35.9	36.5	36.4	33.4	39.0
2	34.8	35.0	32.0	34.6	34.3	36.5	39.5	33.3	42.6	46.4	44.0	41.7	40.2	43.1	42.0	44.7	45.0	42.5	40.7	39.5	36.4	33.4	31.6	31.5	38.6
3	32.0	31.6	30.9	45.4	32.9	31.4	38.1	38.8	43.2	47.2	43.9	39.5	34.8	39.9	43.4	44.6	41.7	39.8	38.8	37.6	35.6	33.6	34.4	34.6	38.1
4	28.1	26.8	33.0	31.6	33.3	37.8	38.2	39.1	34.7	30.9	30.4	31.8	32.5	35.5	38.3	40.3	41.7	39.8	37.6	35.1	33.1	31.7	29.4	31.3	34.2
5	34.2	35.1	35.2	37.5	36.8	37.5	36.9	37.3	38.5	38.6	39.4	40.3	40.6	41.2	41.9	44.9	44.7	41.0	38.9	35.9	35.1	34.7	32.5	32.4	38.0
6	30.3	31.7	31.7	30.0	33.7	48.6	44.1	38.9	37.8	40.3	40.7	42.7	44.1	44.7	44.1	41.9	41.5	41.1	37.5	35.8	34.6	33.0	33.7	34.9	38.2
7 D	35.4	36.2	36.6	36.7	37.5	37.1	37.7	39.2	37.7	39.4	35.4	45.6	56.4	50.1	49.4	46.7	48.1	43.3	40.8	37.7	36.6	32.0	31.0	32.1	39.9
8	35.6	35.9	36.6	36.3	38.9	36.9	40.2	40.3	40.8	38.5	38.5	38.9	35.0	40.3	45.6	46.8	46.2	43.4	41.1	37.1	35.6	33.2	33.2	34.0	38.7
9	34.7	35.0	36.6	46.8	58.0	40.4	41.1	39.2	40.2	46.0	41.4	36.0	35.9	39.4	40.4	40.8	44.1	43.2	37.8	34.3	34.0	32.5	33.3	39.2	39.6
10 D	36.7	36.9	36.9	39.4	40.4	44.7	44.7	22.4	45.3	39.0	38.8	35.6	41.1	46.3	46.8	40.8	36.6	35.6	35.4	36.3	34.2	37.7	34.5	36.4	38.4
11	36.0	37.9	46.0	37.0	47.7	45.0	46.7	35.4	53.7	39.0	43.3	42.9	41.5	39.8	44.8	46.0	47.8	43.1	38.2	34.2	36.5	34.3	35.3	35.7	41.2
12	34.4	34.7	44.8	60.1	41.3	43.3	38.9	40.7	34.7	37.2	34.1	40.8	32.5	45.4	49.0	50.0	48.0	45.1	41.7	39.3	36.7	35.9	35.9	35.9	40.8
13	35.1	37.3	38.6	37.7	39.6	38.9	41.2	36.5	39.0	37.9	35.0	35.7	37.3	40.3	41.6	44.1	45.6	44.8	39.5	36.9	34.1	31.8	32.0	33.1	38.1
14 Q	35.9	35.7	36.3	36.4	40.2	42.6	40.4	38.9	39.8	38.9	39.6	39.1	38.3	39.0	42.5	44.5	45.5	43.3	39.6	37.4	33.3	30.5	29.9	28.7	38.2
15	29.1	31.1	32.1	32.4	32.2	32.2	32.2	32.5	33.1	33.9	34.6	36.3	38.5	40.0	39.3	39.9	42.0	42.4	42.4	40.2	36.0	32.5	31.5	32.1	35.4
16	26.1	29.2	33.8	35.7	36.8	37.6	37.6	37.6	37.4	36.0	42.9	54.2	50.6	45.2	39.1	43.8	46.4	45.5	42.1	38.1	35.9	33.4	32.6	33.0	38.8
17	34.8	36.1	37.8	38.8	39.4	37.9	36.5	37.7	37.1	40.0	40.5	40.1	37.8	42.6	47.7	49.5	51.8	47.0	37.7	35.2	32.8	33.4	33.5	34.0	39.2
18	33.8	39.4	38.0	44.8	38.3	40.0	39.7	40.1	38.2	39.9	37.3	37.2	35.3	34.3	42.4	44.8	43.8	40.2	38.2	35.8	37.3	38.6	38.0	34.8	38.8
19 D	32.2	34.2	37.7	38.4	38.7	34.8	37.7	41.4	25.0	46.5	61.1	52.9	50.7	47.3	46.4	47.8	43.9	45.3	38.4	36.5	33.8	36.1	36.8	36.4	40.8
20	35.6	38.4	41.3	37.8	39.1	37.1	37.7	38.7	37.3	39.0	37.5	41.0	41.6	43.8	46.9	46.4	44.7	42.0	39.9	36.1	33.8	38.4	33.4	32.6	39.2
21	32.5	36.8	39.5	40.5	40.1	45.2	43.0	36.6	34.8	33.6	34.8	34.7	32.6	42.1	45.7	46.9	46.8	43.8	38.4	33.0	32.1	32.1	32.6	32.7	38.0
22 Q	34.5	36.1	37.0	37.9	50.4	47.7	40.5	36.5	36.6	36.8	37.4	38.6	40.9	45.2	44.4	45.8	45.3	43.4	38.6	35.4	32.7	30.4	29.9	31.8	38.9
23 Q	34.1	35.7	36.5	36.3	36.6	37.2	36.6	37.0	37.2	36.6	34.3	32.0	40.0	45.4	48.5	49.5	48.7	45.0	39.8	36.3	34.5	33.9	34.1	32.7	38.3
24 D	31.3	32.3	32.3	31.7	31.9	32.2	33.2	33.6	37.4	91.8	74.7	60.5	58.9	71.0	77.3	34.9	53.0	50.0	43.1	34.9	36.7	33.5	32.8	28.4	44.9
25 D	29.6	49.3	34.3	29.4	32.3	09.1	37.4	40.1	43.5	29.1	39.2	41.7	44.0	47.3	46.2	48.7	49.7	44.4	41.1	39.1	32.7	40.4	41.9	38.5	38.7
26	41.5	54.1	50.1	42.7	55.4	56.2	40.6	42.3	40.1	29.8	40.7	47.9	47.8	50.5	52.8	53.7	53.2	48.2	42.7	41.3	40.5	40.1	39.6	40.1	45.5
27 Q	41.9	42.7	42.8	43.2	43.6	44.0	44.5	47.3	41.3	41.0	39.1	43.6	47.9	49.2	50.6	51.7	50.1	47.9	41.9	38.9	36.2	36.6	36.5	38.1	43.4
28	39.5	42.2	43.6	48.2	43.9	41.7	45.3	46.9	45.6	47.1	49.6	69.7	57.0	51.7	49.6	50.2	44.3	41.5	38.5	45.0	34.9	30.2	27.2	24.8	44.1
29	20.2	31.3	29.7	34.6	34.3	38.9	36.2	41.5	39.7	39.3	37.8	36.9	38.7	40.4	41.0	42.2	41.9	40.2	36.9	34.9	32.7	31.8	31.8	32.3	36.0
30 Q	34.6	35.6	37.0	32.9	33.3	34.5	36.0	37.6	36.8	36.6	37.0	38.1	39.3	41.2	42.8	44.2	44.8	41.2	37.6	34.2	33.2	31.9	32.1	33.0	36.9
31																									
Mean	33.7	36.4	37.2	38.5	39.3	38.8	39.4	38.2	39.0	40.5	40.8	41.8	41.6	44.1	45.8	45.4	45.8	43.3	39.5	37.0	34.9	34.1	33.6	33.6	39.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Meanook $Z = 59,000\ \gamma +$ April 1941

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	239	236	236	237	231	226	223	221	220	212	211	194	178	200	210	219	218	220	221	222	229	233	256	251	223
2	256	256	253	264	267	257	250	156	135	150	192	186	156	118	177	201	206	216	219	221	221	235	237	233	211
3	231	231	261	283	274	156	194	217	201	190	211	206	177	183	169	172	179	202	215	224	228	228	234	231	212
4	230	249	254	237	225	221	211	210	200	139	166	187	196	208	220	218	218	219	220	221	222	224	226	228	214
5	223	218	220	219	219	252	268	230	224	215	211	210	209	207	211	210	210	211	211	212	216	221	229	238	221
6	239	244	272	273	271	202	214	223	227	220	215	209	207	206	206	194	198	209	210	211	216	218	221	221	222
7 D	217	211	208	208	207	206	207	201	205	198	-013	-048	068	142	178	193	200	203	207	207	213	227	256	306	184
8	268	230	222	219	223	221	200	194	206	200	183	191	174	190	205	208	204	205	213	217	219	224	227	236	212
9	245	234	231	264	221	247	218	208	211	151	194	170	157	118	120	182	208	222	222	220	218	222	231	230	206
10 D	231	229	231	244	243	229	109	-088	117	187	196	195	189	211	207	150	153	195	198	212	220	245	258	255	192
11	249	261	248	235	246	199	136	-001	-027	075	186	200	197	174	193	189	203	210	215	228	233	236	238	238	190
12	223	242	253	248	230	046	120	159	123	161	168	109	106	177	189	202	208	210	208	213	214	213	214	214	185
13	217	220	219	212	212	208	200	184	187	196	176	158	168	173	174	191	196	196	195	196	201	207	212	214	196
14 Q	215	210	206	207	205	196	170	168	181	156	171	192	196	194	197	198	195	198	202	201	207	209	209	210	196
15	213	215	214	212	210	210	209	208	207	207	202	192	190	193	201	201	198	192	190	189	185	190	197	200	201
16	201	223	223	201	198	190	187	186	185	155	091	-056	065	136	183	202	203	199	196	192	193	197	194	194	172
17	192	192	191	192	194	193	193	193	176	156	119	120	165	189	186	186	183	174	171	173	180	186	192	196	179
18	226	249	224	214	196	191	183	156	153	166	166	152	020	022	108	172	180	196	201	204	206	225	268	227	179
19 D	232	225	245	238	220	-180	149	239	213	157	115	099	164	161	148	164	186	198	200	220	228	223	221	215	178
20	218	231	223	216	211	200	116	-076	040	181	199	192	192	189	177	191	193	197	201	206	213	221	231	233	183
21	245	250	236	224	219	207	198	198	186	149	169	172	185	175	191	196	195	195	198	194	200	204	199	195	199
22 Q	198	198	199	200	205	184	122	155	177	189	191	191	185	182	183	183	186	191	197	199	205	212	211	213	190
23 Q	212	210	210	208	208	209	205	204	204	191	140	085	104	177	197	195	192	194	198	201	204	208	211	207	191
24 D	203	202	201	201	201	199	201	223	190	-332	132	174	212	006	-057	066	139	165	219	227	252	264	265	265	159
25 D	254	224	252	060	195	110	182	157	146	-068	008	124	150	166	190	156	221	206	204	236	238	255	251	235	173
26	255	252	240	241	178	161	217	156	123	-079	163	215	215	213	216	213	214	212	207	209	218	226	239	255	198
27 Q	245	237	228	221	216	210	203	194	193	192	162	177	193	191	187	187	195	206	210	211	219	227	228	224	206
28	227	226	234	263	290	228	199	190	135	008	-050	002	108	119	136	155	145	190	204	215	242	294	314	267	181
29	265	218	272	296	234	212	205	146	090	149	197	207	206	213	217	216	217	214	213	214	218	223	222	225	212
30 Q	226	233	235	234	241	236	215	179	193	208	210	210	209	209	207	203	204	207	207	208	212	217	214	214	214
31																									
Mean	230	229	231	226	223	188	190	166	167	136	156	154	165	168	178	187	195	202	206	210	216	224	230	229	196

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook April 1941

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	28	753	11	45	688	65	15	10	48.6	23	52	31.0	17.6	22	39	261	12	24	158	103
2	00	43	777	14	04	562	215	16	17	48.6	07	37	27.3	21.3	04	00	289	13	42	68	221
3	05	30	821	05	49	645	176	03	26	57.0	05	35	17.1	39.9	04	01	292	05	36	33	259
4	01	46	787	09	34	644	143	05	42	46.4	01	53	26.5	19.9	02	15	278	09	36	102	176
5	06	17	827	18	53	708	119	15	50	46.3	23	50	31.5	14.8	06	19	289	13	07	205	84
6	05	06	807	21	18	701	106	05	06	64.6	03	22	27.8	36.8	02	52	290	05	44	136	154
7 D	23	45	806	10	54	251	555	12	05	66.8	10	54	09.0	57.8	24	00	365	10	49	-138	503
8	00	01	859	12	34	665	194	15	52	48.2	00	01	29.1	19.1	00	00	365	12	35	147	218
9	03	48	999	13	48	554	445	04	08	68.9	12	45	30.8	38.1	03	32	348	08	40	16	332
10 D	06	37	1040	08	28	507	533	05	37	65.0	07	13	08.5	56.5	22	58	273	07	08	-147	420
11	04	34	912	09	06	34	878	04	50	80.7	09	22	07.9	70.8	01	54	319	08	14	-117	436
12	05	05	791	05	45	465	326	05	25	82.5	05	55	04.0	78.5	03	13	267	05	47	-214	581
13	02	12	759	19	48	691	68	06	37	50.6	10	33	31.3	19.3	01	21	230	07	40	154	76
14 Q	00	23	760	20	51	678	82	05	09	49.7	22	59	27.7	22.0	00	22	217	09	38	140	77
15	13	06	747	22	47	666	81	16	37	45.4	00	21	26.9	18.5	02	18	220	20	23	182	38
16	00	40	807	11	23	283	524	11	40	71.1	11	02	24.2	46.9	01	52	251	11	22	-97	348
17	13	20	778	11	08	648	130	16	47	56.0	23	00	31.9	24.1	24	00	232	11	00	91	141
18	21	43	801	12	45	550	251	03	34	48.5	12	49	27.7	20.8	22	15	305	12	25	-39	344
19 D	04	51	997	08	20	-149	1146	08	31	76.7	08	53	-31.8	108.5	08	12	656	05	23	-444	1100
20	00	42	782	07	36	450	332	07	53	60.8	07	25	19.7	41.1	22	10	244	07	07	-123	367
21	01	11	800	09	01	675	125	04	15	53.4	21	23	29.3	24.1	01	39	277	09	39	123	154
22 Q	21	37	768	06	44	691	77	05	28	60.8	21	50	28.3	32.5	05	18	220	06	33	88	132
23 Q	13	43	758	11	36	661	97	15	26	50.4	11	08	29.1	21.3	22	24	213	11	42	62	151
24 D	22	16	1048	10	02	-114	1162	09	16	96.3	14	26	-58.1	154.4	10	50	407	09	20	-618	1025
25 D	01	07	1070	08	03	-151	1221	01	23	74.3	03	47	-14.2	88.5	07	12	359	04	59	-361	720
26	04	35	857	09	43	23	834	04	37	79.9	09	46	14.6	65.3	04	26	290	09	37	-298	588
27 Q	07	32	753	17	43	693	60	07	34	56.9	20	03	34.6	22.3	00	18	256	10	11	154	102
28	04	41	910	10	12	430	480	11	37	79.4	23	48	21.3	58.1	22	02	367	10	13	-123	490
29	00	46	1115	08	11	595	520	07	22	53.1	00	30	14.1	39.0	02	05	321	08	09	30	291
30 Q	03	32	754	18	11	701	53	16	30	45.1	04	58	31.1	14.0	04	12	252	07	18	171	81
31																					
Mean			848			481	367			61.1			17.9	43.2			298			-22	320
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 17 Meanook $H = 12,000\ \gamma +$ May 1941

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	730	731	733	732	732	731	732	732	737	736	732	735	734	732	723	731	707	694	702	714	713	712	720	732	725
2 Q	732	740	752	769	825	776	768	734	728	730	726	722	723	715	705	705	712	705	715	717	714	714	732	718	732
3 Q	731	739	741	748	779	786	709	750	730	707	712	714	722	724	732	723	714	715	714	718	719	720	719	721	729
4	723	731	736	751	749	848	857	752	730	737	492	663	713	753	743	728	715	712	712	722	730	723	733	731	728
5 Q	718	717	728	730	730	733	732	729	677	700	739	730	738	742	735	727	731	732	730	726	720	716	714	721	725
6	725	726	729	732	737	740	766	741	712	723	728	565	579	715	717	727	727	718	725	728	734	746	754	740	718
7	742	747	749	758	783	736	749	755	748	747	748	750	751	752	749	749	744	733	730	720	730	732	741	738	745
8	735	740	734	736	732	736	737	742	745	749	733	680	698	753	760	753	734	724	715	708	701	698	721	735	729
9	748	740	736	758	800	773	733	697	673	667	712	731	721	706	739	747	744	735	719	706	714	725	741	753	730
10	764	764	771	768	747	743	749	750	768	759	730	764	742	766	761	749	743	732	731	724	706	716	730	747	747
11	772	757	747	747	742	742	746	747	747	713	685	718	684	749	753	741	733	717	710	710	713	720	729	733	732
12	746	748	747	751	737	737	740	743	752	754	761	760	764	768	768	768	761	749	738	737	748	737	745	736	750
13	772	797	780	735	729	740	740	700	657	723	745	732	733	749	774	767	763	748	737	734	724	722	714	726	739
14	730	744	749	746	746	746	744	742	745	749	744	722	733	745	753	746	740	737	734	729	718	721	734	760	740
15	730	728	740	736	741	746	744	746	753	736	720	741	751	755	757	754	749	746	732	732	720	719	739	763	741
16	780	742	734	741	738	735	737	692	743	739	688	523	650	695	647	723	749	746	727	728	732	739	738	741	717
17 D	745	747	751	761	794	588	052	295	255	203	172	335	421	369	614	765	763	754	742	728	727	741	763	747	576
18	752	752	755	763	747	733	737	734	730	715	745	739	740	738	734	721	726	709	706	702	689	709	729	745	731
19 Q	745	740	745	740	730	727	736	728	731	735	738	735	736	737	736	728	733	723	719	727	729	716	723	736	732
20 Q	739	749	740	736	732	732	736	737	739	741	747	750	752	754	747	745	733	718	710	713	716	726	739	745	736
21 D	763	728	743	734	748	755	748	710	707	712	752	753	763	744	740	717	716	710	723	731	735	736	813	783	740
22 D	871	949	978	1032	816	853	772	690	590	595	477	624	569	657	744	723	740	725	708	698	701	726	737	771	739
23 D	760	764	791	793	748	792	719	692	666	512	603	620	588	690	715	713	714	702	707	741	748	775	860	936	723
24 D	802	821	808	802	776	625	646	585	601	618	603	537	586	634	683	701	674	693	704	741	734	775	767	798	696
25	821	807	777	744	796	688	733	721	687	670	722	690	618	643	678	686	687	700	716	727	750	776	832	738	725
26	769	759	749	724	731	726	721	686	726	742	711	626	676	735	730	737	712	700	699	703	720	748	785	793	725
27	749	747	733	752	735	740	740	696	737	727	701	747	727	719	729	740	718	710	706	716	725	721	726	755	729
28	748	750	747	759	751	758	654	671	654	674	746	722	645	748	746	740	717	718	718	718	719	746	770	776	725
29	756	786	775	787	774	748	747	674	618	707	726	727	717	736	757	737	719	706	718	725	733	732	747	748	733
30	797	770	737	734	735	736	742	744	747	753	757	760	763	773	769	760	747	727	733	728	728	728	739	753	748
31	782	823	890	786	748	766	752	755	750	749	749	753	760	747	708	708	740	726	705	690	725	731	734	741	751
Mean	757	761	762	761	755	742	717	706	696	694	688	689	694	718	730	734	729	721	719	721	723	730	747	754	727

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18 Meanook $D = 25°E + \ldots\ldots'$ May 1941

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	34.7	36.6	36.8	37.1	37.6	37.9	37.6	37.0	37.3	37.6	38.4	40.8	41.9	44.6	45.4	48.3	47.1	38.8	34.0	29.0	32.9	32.8	31.4	31.0	37.8
2 Q	32.3	34.7	30.8	28.5	28.2	36.2	37.9	33.7	39.8	38.9	39.3	41.5	44.2	42.7	43.7	42.7	41.8	37.0	35.7	35.1	33.7	31.4	28.9	27.5	36.1
3 Q	26.9	28.9	31.5	32.0	33.2	29.4	35.7	39.7	38.6	36.6	37.0	39.4	44.0	45.4	44.8	45.1	46.0	42.4	38.1	34.9	35.1	35.0	34.7	33.6	37.0
4	33.7	33.8	34.4	39.9	38.1	28.5	37.9	36.2	40.2	35.7	36.8	42.4	44.1	47.0	43.8	40.6	41.6	36.3	33.3	34.0	34.1	34.2	36.2	36.6	37.5
5 Q	36.3	40.3	37.6	37.6	37.9	38.8	40.6	38.6	33.7	37.1	40.2	40.8	42.8	43.8	45.8	43.8	42.4	40.2	36.6	36.4	36.6	35.6	35.4	35.3	38.9
6	34.7	35.0	35.1	35.4	35.0	41.5	38.5	37.3	45.0	48.4	42.4	45.7	48.1	45.4	44.4	46.6	44.9	41.6	37.9	35.7	35.3	32.5	33.4	34.9	39.8
7	34.2	35.4	36.4	32.8	29.4	44.1	37.6	42.4	39.6	37.3	37.3	38.5	39.9	43.2	44.4	44.4	44.4	41.9	39.9	36.3	34.6	32.7	32.1	33.2	38.0
8	33.4	34.6	35.9	36.7	35.5	35.9	36.0	36.4	36.6	35.8	33.7	45.9	50.6	49.4	48.1	49.0	48.3	45.4	40.8	40.6	34.9	26.7	29.7	30.7	38.8
9	29.8	33.0	36.4	35.6	41.3	45.0	46.8	46.0	41.2	42.3	39.5	42.8	40.0	39.3	42.0	44.1	44.9	41.6	38.9	34.8	29.8	32.2	31.6	29.4	38.7
10	30.3	36.7	31.6	33.8	36.3	39.7	39.0	36.1	38.7	37.3	37.2	37.8	38.9	43.7	44.6	46.0	45.8	43.9	34.5	32.4	31.1	29.9	29.9	30.5	36.9
11	31.9	34.1	34.3	34.6	35.2	40.7	37.7	37.3	35.6	36.4	31.6	34.8	32.5	42.8	44.7	45.0	43.8	42.5	39.3	35.2	32.4	30.9	29.8	30.2	36.4
12	31.9	33.8	35.5	35.1	42.8	34.2	35.1	35.2	35.2	35.5	36.1	38.5	40.3	41.6	44.2	45.8	45.9	44.5	41.6	36.7	35.1	33.7	28.6	27.3	37.3
13	21.8	27.3	34.7	33.4	42.4	40.2	37.4	38.2	43.3	48.2	40.0	39.4	40.3	42.5	45.5	44.7	48.0	49.8	40.7	40.3	36.3	34.3	34.5	34.7	39.1
14	33.8	33.5	33.8	34.8	33.5	34.7	35.9	37.3	36.8	36.7	35.1	35.4	40.7	41.6	43.5	42.3	42.6	41.3	39.4	37.1	34.3	32.5	31.5	32.1	36.7
15	31.9	33.0	33.1	33.7	33.5	35.5	34.7	35.4	37.2	34.5	35.9	37.7	42.5	44.7	44.6	45.0	43.8	43.5	40.0	34.1	31.9	30.3	29.0	27.8	36.4
16	26.7	28.0	32.0	34.8	36.8	34.8	37.2	57.2	38.7	37.4	35.8	33.9	50.2	49.0	47.1	39.7	39.5	45.2	40.7	35.4	32.0	30.8	29.6	31.1	37.6
17 D	32.2	33.0	33.8	34.8	36.7	65.9	15.7	53.9	56.8	62.8	50.4	57.1	53.6	56.9	39.8	44.1	47.7	46.8	44.5	38.1	32.4	32.5	32.6	32.8	41.8
18	32.5	33.7	38.3	39.5	46.0	35.9	38.7	37.6	36.5	33.0	36.1	35.9	39.0	41.6	44.5	46.1	48.1	45.2	44.5	37.6	30.5	28.3	31.1	32.5	38.0
19 Q	32.5	33.6	44.0	41.7	35.9	36.5	37.3	34.4	34.8	35.6	36.0	37.5	40.5	43.3	45.0	45.9	45.7	42.6	38.6	33.2	31.6	31.6	32.0	33.6	37.6
20 Q	33.9	34.6	36.4	36.8	36.1	35.7	37.2	38.1	37.8	36.4	37.4	39.0	40.9	44.4	46.0	46.8	45.7	44.3	38.7	32.6	28.7	28.8	29.7	30.9	37.4
21 D	30.0	30.1	32.6	34.8	35.2	32.5	38.1	32.7	39.1	40.4	43.1	39.2	42.0	45.6	48.1	50.0	49.5	45.3	30.3	32.5	30.1	28.7	27.7	27.9	36.9
22 D	24.5	35.5	20.5	36.8	23.6	36.2	35.5	39.0	37.5	49.4	40.8	40.4	28.8	39.4	44.4	48.3	46.9	45.2	43.0	34.3	35.5	31.6	29.2	30.0	36.5
23 D	30.0	33.5	33.8	28.6	35.7	29.1	46.0	37.5	33.9	35.3	47.9	42.2	46.0	39.6	43.6	46.4	48.2	45.9	49.2	50.9	33.9	35.3	35.2	37.7	39.4
24 D	29.4	28.6	29.0	31.7	31.8	32.7	32.9	39.2	41.7	39.5	31.0	40.3	44.6	51.7	44.3	44.4	40.7	43.4	39.6	39.2	37.8	39.2	34.2	32.2	37.5
25	29.9	35.7	31.2	31.3	35.6	34.4	35.2	34.7	38.2	42.0	36.9	38.3	39.2	43.5	45.6	42.0	47.0	39.1	31.9	30.0	32.7	33.1	35.3	35.2	36.6
26	32.3	38.8	34.6	35.1	36.8	36.6	43.4	40.7	37.8	34.6	32.9	28.8	34.7	43.6	47.6	45.5	48.2	42.6	38.6	30.6	25.3	27.4	30.0	31.6	36.6
27	34.1	34.9	36.6	34.7	37.6	36.2	33.5	31.5	35.2	33.0	33.1	39.2	39.9	39.2	43.2	42.8	45.7	40.5	35.3	31.5	30.1	27.4	27.4	28.8	35.5
28	31.0	30.9	32.1	33.0	33.9	34.3	34.4	47.5	44.7	41.9	37.8	36.7	33.0	43.5	47.5	48.3	45.6	40.5	37.3	33.0	27.6	26.5	25.7	28.9	36.5
29	24.9	27.4	32.4	32.7	43.0	39.5	40.4	44.4	46.1	38.2	37.1	35.3	36.5	36.9	41.8	44.4	46.3	43.2	37.8	35.3	32.7	31.1	30.1	29.8	37.0
30	28.8	32.7	32.1	34.5	35.7	37.4	37.3	37.0	35.6	35.4	35.6	37.0	41.8	45.8	47.5	45.7	45.3	42.3	38.3	37.4	33.2	33.3	33.0	32.9	37.3
31	31.4	31.1	34.9	32.2	33.3	35.8	39.2	34.0	34.0	35.8	37.4	40.1	41.7	42.8	44.3	44.1	44.4	44.5	41.4	31.4	27.2	28.7	29.7	29.6	36.2
Mean	31.0	33.3	33.9	34.6	35.9	37.3	36.1	38.9	38.9	39.0	37.7	39.4	41.4	44.0	44.8	45.1	45.4	42.8	38.7	35.3	32.6	31.6	31.3	31.6	37.5

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

Table 19 Meanook $Z = 59,000\ \gamma +$ May 1941

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	208	209	208	208	207	206	205	204	203	203	200	199	198	196	188	185	175	184	179	187	210	225	254	246	204
2 Q	227	229	244	282	315	262	230	172	193	205	199	193	192	185	177	179	190	187	187	194	208	213	223	226	213
3 Q	220	225	230	241	262	197	186	225	203	175	162	161	167	169	180	182	181	182	185	187	194	206	205	209	197
4	209	209	209	234	231	250	077	156	203	236	205	141	169	200	210	208	205	202	200	199	202	207	212	210	199
5 Q	211	221	205	201	202	212	201	186	139	116	178	173	181	185	183	183	183	177	174	173	172	174	177	183	183
6	186	186	185	182	182	179	147	128	115	120	148	021	064	128	148	167	178	181	188	184	181	176	170	171	155
7	179	188	196	216	176	200	216	217	198	185	178	174	172	174	173	172	172	172	173	172	172	178	177	173	184
8	173	174	173	173	170	170	172	172	171	168	137	035	066	129	165	169	161	156	147	155	170	173	170	163	155
9	159	171	183	207	228	152	136	125	072	072	097	144	142	147	168	177	183	177	172	173	174	177	191	198	159
10	228	251	246	247	203	190	129	148	174	172	136	158	167	171	181	175	171	167	167	166	164	167	176	182	181
11	199	212	190	183	177	172	162	167	169	131	069	122	116	161	174	172	175	177	175	176	174	177	180	180	166
12	189	192	187	188	186	179	178	175	173	172	172	173	175	174	171	169	165	164	160	161	165	171	185	191	176
13	222	259	248	213	212	207	191	147	096	115	144	131	144	155	170	170	162	156	152	153	163	165	165	167	171
14	175	173	166	165	165	165	166	165	164	163	158	110	107	140	153	161	157	152	147	150	154	163	171	188	157
15	209	211	190	173	170	171	170	171	167	141	089	125	156	166	166	163	161	154	148	155	157	160	171	182	164
16	195	215	191	191	192	182	168	078	152	155	104	-049	057	079	069	138	160	176	173	171	171	174	174	175	146
17 D	174	176	177	184	185	003	016	110	057	243	137	-068	-007	-026	050	153	186	179	177	191	190	196	217	200	129
18	191	204	204	219	190	187	185	177	166	146	172	176	174	176	173	163	166	160	166	173	177	190	203	200	181
19 Q	190	185	206	190	182	179	177	171	169	168	162	162	167	165	166	165	165	164	160	157	160	167	173	177	172
20 Q	183	185	185	181	177	175	171	170	162	168	168	168	169	168	165	161	162	162	163	164	168	170	176	185	171
21 D	197	189	184	183	175	185	184	158	146	128	149	178	175	170	167	159	146	143	134	134	155	170	261	275	173
22 D	283	242	225	137	221	225	208	131	158	027	064	074	072	075	125	167	178	185	184	193	213	234	202	205	168
23 D	210	223	235	247	174	221	141	159	013	-064	159	120	077	151	161	159	179	190	198	222	238	280	278	288	177
24 D	245	276	291	270	184	125	194	163	160	161	096	060	037	032	110	149	153	176	200	215	237	283	261	256	181
25	255	264	241	253	252	138	202	180	130	061	154	139	090	086	106	126	145	157	167	189	203	229	261	193	176
26	210	225	210	199	195	180	164	093	158	177	149	073	109	163	173	184	176	170	169	172	173	189	223	237	174
27	201	197	184	195	197	189	165	087	136	154	099	158	158	143	160	172	174	171	161	166	173	177	182	194	166
28	200	199	211	213	210	190	041	053	052	096	157	150	084	141	164	166	158	165	165	165	165	183	205	226	157
29	217	257	226	234	215	215	220	146	071	144	155	157	154	168	179	180	176	176	181	180	184	198	211	221	186
30	243	239	193	183	185	184	183	182	178	176	174	177	179	180	177	173	167	158	160	167	170	178	187	202	183
31	224	271	312	280	225	227	205	214	205	209	202	203	204	189	161	142	171	175	175	183	187	187	193	203	206
Mean	207	215	211	209	202	184	167	156	147	146	148	127	133	146	158	167	170	171	170	175	181	192	201	203	174

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook — May 1941

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	33	752	17	00	687	65	14	52	50.1	19	37	25.9	24.2	22	17	260	16	16	172	88
2 Q	04	35	844	07	36	691	153	12	30	45.5	04	10	22.0	23.5	04	35	343	07	16	125	218
3 Q	05	33	862	06	13	580	282	06	30	49.6	06	01	07.1	42.5	04	25	280	05	58	78	202
4	06	33	997	10	29	398	599	06	28	63.6	06	43	-06.1	69.7	10	37	277	06	44	-111	388
5 Q	09	52	752	09	04	610	142	14	22	47.4	08	53	25.9	21.5	01	21	229	09	00	52	177
6	06	47	798	11	49	464	334	08	48	55.8	20	47	31.0	24.8	06	26	201	11	44	-59	260
7	04	32	888	04	46	638	250	17	19	48.0	04	38	15.1	32.9	04	08	248	04	39	-05	253
8	13	56	774	10	54	643	131	12	33	54.0	21	38	24.0	30.0	21	32	179	11	10	-01	180
9	04	48	861	09	30	641	220	05	22	60.7	06	43	26.0	34.7	04	35	263	08	45	41	222
10	23	42	782	21	58	695	87	16	09	49.4	02	51	28.0	21.4	01	10	264	06	48	75	189
11	00	32	786	10	24	641	145	15	26	45.9	10	21	28.1	17.8	01	20	228	10	24	31	197
12	20	36	785	23	26	701	84	04	30	53.9	23	02	26.3	27.6	04	24	285	19	50	156	129
13	01	33	818	08	24	577	241	09	25	53.2	00	20	20.2	33.0	02	17	277	08	26	50	227
14	23	37	772	11	53	707	65	16	00	46.8	22	40	30.8	16.0	24	00	193	11	54	77	116
15	02	03	772	10	07	694	78	15	19	47.8	23	25	26.4	21.4	00	06	231	10	10	72	159
16	00	32	829	11	36	409	420	07	17	65.9	11	20	22.9	43.0	01	23	219	11	26	-150	369
17 D	05	14	902	06	30	-154	1056	07	16	125.1	06	45	-51.1	176.2	09	59	511	06	39	-258	769
18	00	46	789	20	28	669	120	04	05	63.1	21	37	27.2	35.9	03	53	255	09	24	129	126
19 Q	03	06	760	17	58	715	45	02	55	54.3	20	56	30.6	23.7	02	44	218	19	26	154	64
20 Q	22	52	775	18	13	701	74	14	27	47.8	20	50	28.1	19.7	01	07	190	08	20	161	29
21 D	23	54	843	07	09	669	174	17	31	53.3	18	52	17.3	36.0	23	04	286	09	50	115	171
22 D	01	17	1168	09	57	86	1082	03	31	66.4	14	10	10.8	55.6	01	05	310	09	52	-154	464
23 D	23	23	949	09	19	377	572	06	30	61.8	09	06	03.9	57.9	23	15	350	08	59	-191	541
24 D	03	51	877	11	16	478	399	11	24	60.6	07	48	10.1	50.5	21	16	302	12	57	-16	318
25	00	59	876	12	38	572	304	05	35	50.8	05	17	03.5	47.3	01	35	285	09	28	24	261
26	23	27	813	12	02	583	230	07	55	54.0	11	50	22.2	31.8	23	29	251	11	52	41	210
27	00	06	797	10	18	647	150	16	45	46.3	10	03	23.6	22.7	04	21	207	07	46	65	142
28	22	47	788	09	00	562	226	07	47	56.2	06	00	13.5	42.7	04	12	240	08	58	0	240
29	03	43	840	08	14	515	325	07	52	65.6	01	07	22.3	43.3	03	43	282	08	13	-47	329
30	01	00	834	17	37	698	136	14	02	48.9	01	10	28.4	20.5	01	29	277	17	30	152	125
31	02	27	922	19	22	666	256	17	11	47.5	20	30	26.1	21.4	01	50	323	15	08	126	197
Mean			839			566	273			54.4			20.2	34.2			267			29	238
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 1941

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	746	751	760	764	779	762	748	718	679	745	744	742	731	729	746	744	732	731	723	719	717	727	742	752	739
2 Q	756	752	736	743	746	735	738	743	746	751	753	755	756	753	753	752	742	734	729	730	730	730	734	742	743
3 Q	756	753	746	745	745	745	751	748	751	752	742	738	754	762	757	756	738	731	736	737	735	745	744	745	746
4 Q	745	746	745	746	745	746	745	746	747	750	751	756	757	757	756	755	746	730	722	725	726	727	731	737	743
5 Q	760	757	751	750	747	745	742	733	737	738	736	747	756	757	755	745	737	726	714	716	720	726	736	753	741
6	757	746	752	743	745	744	747	754	755	746	733	754	741	736	744	737	731	713	708	707	715	720	728	736	737
7	749	747	746	743	743	743	738	741	748	752	755	758	764	755	737	738	730	729	729	726	730	738	745	752	743
8	754	753	748	745	744	744	744	742	745	747	752	753	759	763	757	753	739	722	716	718	728	733	745	745	744
9	746	750	750	749	750	751	758	759	759	771	759	715	770	776	794	771	748	729	709	711	721	729	736	744	748
10 D	794	770	746	745	742	769	861	504	656	669	474	744	741	772	658	734	722	751	739	750	758	743	748	746	722
11 D	792	742	738	732	734	737	749	751	745	733	734	741	760	752	749	739	717	714	707	706	724	736	722	741	737
12	756	765	762	752	763	733	737	719	699	753	752	750	732	693	711	731	737	719	701	701	698	690	692	700	727
13 D	720	719	713	705	727	756	770	271	169	161	187	601	552	549	720	725	704	654	634	676	720	795	928	999	632
14 D	1057	983	1034	808	777	747	765	508	600	687	693	675	682	698	708	709	709	708	727	729	724	730	730	747	747
15 D	768	815	876	945	762	803	723	645	446	284	506	409	598	690	712	752	749	750	745	746	735	732	734	746	695
16 Q	742	745	734	733	733	734	732	707	732	737	738	736	737	734	735	733	734	734	724	716	716	714	717	720	730
17	722	736	742	739	740	743	742	671	619	677	669	657	667	749	761	764	729	713	706	688	718	732	876	980	731
18	1052	968	1020	832	806	776	840	771	727	722	714	716	740	743	745	739	729	723	721	691	702	711	709	712	775
19	726	729	731	735	726	731	733	742	746	747	732	658	716	754	739	759	731	729	732	720	731	739	741	790	734
20	808	725	794	866	792	740	476	352	516	730	706	582	690	739	738	723	728	723	703	708	711	731	754	822	702
21	803	765	765	742	750	747	728	697	713	711	657	700	710	740	731	730	706	706	702	688	710	730	740	758	726
22	755	742	726	723	737	731	733	722	605	510	693	754	748	755	755	742	721	706	698	690	712	717	748	756	716
23	766	742	755	741	740	738	736	736	740	738	740	740	745	750	737	720	722	721	722	715	720	716	711	718	734
24	728	730	738	735	734	739	737	737	734	730	673	720	740	731	709	740	736	726	717	705	706	713	740	727	726
25	740	751	746	730	731	730	729	727	729	725	730	730	732	735	731	728	718	706	707	704	705	714	759	751	729
26	778	788	764	754	744	747	758	751	741	741	732	731	729	731	736	732	722	717	714	724	725	739	730	717	739
27	738	740	733	768	821	812	789	653	663	740	719	726	733	739	750	749	744	731	733	738	730	725	737	738	740
28	771	750	755	747	744	741	740	740	732	715	743	734	744	757	725	735	743	729	719	709	685	697	707	755	734
29	767	780	743	741	731	745	752	744	744	747	742	743	761	755	752	742	749	744	734	727	720	712	711	722	742
30	730	741	733	738	729	738	741	740	736	731	702	713	740	742	746	741	733	729	713	706	704	701	723	733	728
31																									
Mean	776	766	769	758	750	748	743	686	682	691	692	709	726	737	738	741	731	723	716	714	719	726	743	760	731

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 22 Meanook $D = 25° E + \ldots\ldots '$ June 1941

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	30.7	33.0	32.3	33.2	35.6	35.7	35.2	31.7	35.3	35.7	36.3	38.3	39.9	42.1	46.3	46.5	46.2	43.5	40.5	35.4	32.4	31.5	31.7	31.8	36.7
2 Q	31.7	30.7	34.0	35.6	35.9	36.1	35.3	34.7	35.0	35.4	35.9	37.1	39.3	42.1	45.1	46.2	44.8	40.8	36.3	33.7	32.4	31.3	31.3	32.2	36.4
3 Q	35.2	35.3	35.9	35.7	35.6	35.4	35.3	35.4	35.3	37.4	36.7	39.5	43.4	45.7	44.1	45.7	42.2	41.5	37.8	34.0	32.7	32.7	32.3	33.7	37.4
4 Q	34.8	35.0	34.4	35.6	35.8	34.1	34.4	35.3	36.6	37.3	38.3	40.4	41.8	42.2	43.9	45.6	45.6	43.6	38.3	33.9	31.1	28.7	29.1	30.7	36.9
5 Q	31.8	33.2	33.7	34.1	34.0	34.5	33.9	34.7	33.3	37.1	38.3	41.3	42.5	43.7	44.7	44.5	46.0	46.3	40.0	35.3	32.6	30.2	29.2	29.6	36.8
6	31.1	33.1	32.7	33.0	34.7	34.3	34.7	34.5	34.9	33.7	38.4	42.2	41.0	47.1	47.3	44.7	43.0	40.8	36.9	33.0	29.3	27.5	29.8	32.1	36.2
7	32.8	34.3	35.3	35.8	35.6	35.2	35.9	41.0	38.3	35.3	35.7	38.4	40.8	44.4	46.5	47.4	44.5	37.3	36.3	33.6	31.3	30.1	32.4	34.7	37.2
8	35.0	34.7	35.3	35.3	36.2	35.6	35.2	36.9	38.7	36.9	38.0	36.6	41.0	43.0	45.1	47.0	45.2	42.1	37.1	31.7	28.8	28.9	31.4	33.7	37.1
9	34.1	34.4	34.3	34.0	34.0	34.0	33.0	34.0	35.0	34.7	43.0	40.5	45.8	42.8	51.9	48.4	46.1	44.0	38.2	34.1	32.4	30.5	28.8	29.7	37.4
10 D	31.3	34.3	33.7	32.7	31.8	34.0	44.1	23.5	42.8	38.7	42.1	41.4	46.5	45.6	56.9	60.0	52.2	45.1	36.6	34.5	30.5	29.1	28.8	29.7	38.6
11 D	30.1	30.1	31.5	32.7	33.3	34.3	33.7	33.2	34.0	35.7	38.9	40.8	43.7	45.7	47.1	47.9	50.9	46.0	39.1	34.7	28.8	29.1	27.4	29.7	36.6
12	31.4	33.9	37.9	36.3	40.5	33.9	36.6	39.9	37.0	36.7	37.8	39.2	38.9	38.0	42.1	46.0	48.2	46.9	47.7	42.6	41.0	36.1	32.2	30.3	38.8
13 D	30.9	34.1	34.7	33.1	30.6	30.9	31.3	82.1	31.3	48.8	62.1	46.6	46.5	31.2	43.0	46.8	47.0	45.2	38.7	33.9	33.2	36.1	32.2	24.7	39.8
14 D	32.9	29.6	28.8	22.8	38.6	30.6	23.1	21.1	36.1	37.5	36.8	39.9	38.2	39.5	42.6	44.2	43.0	42.5	42.9	40.7	37.1	33.2	29.8	28.6	35.0
15 D	23.9	21.7	24.0	31.9	27.8	26.2	07.7	23.2	34.0	37.1	49.6	52.5	52.6	47.1	38.2	40.8	43.1	41.4	42.1	40.5	36.3	31.7	30.5	30.0	34.7
16 Q	29.3	31.4	33.3	34.3	36.6	35.9	41.0	33.2	36.5	36.2	36.7	38.2	39.9	41.3	42.8	46.0	44.8	44.4	40.4	37.0	34.0	31.8	31.0	31.0	37.0
17	32.6	34.0	34.3	36.9	35.2	35.0	35.3	27.9	28.7	43.1	42.1	36.7	35.7	44.9	47.8	51.2	50.3	41.9	39.5	38.7	40.2	34.3	30.0	23.1	37.5
18	11.6	19.7	35.0	31.7	30.1	33.2	34.4	35.7	34.8	35.0	36.5	38.7	42.8	47.9	50.9	51.2	50.3	46.2	43.9	37.8	29.5	27.0	28.9	31.7	36.0
19	33.1	33.5	34.1	34.5	34.5	34.7	36.1	36.6	35.0	34.4	33.6	34.1	47.0	47.1	46.2	48.4	43.1	43.2	36.6	34.3	34.4	32.7	28.5	25.7	36.7
20	25.4	31.5	26.9	28.7	35.6	33.5	51.4	41.1	41.4	39.6	38.2	38.7	49.7	49.9	49.6	50.0	45.8	43.6	39.2	38.0	30.5	30.1	28.8	29.5	38.2
21	35.6	32.4	41.1	33.7	33.2	37.8	40.9	47.0	40.5	33.5	31.3	37.1	42.6	45.3	48.0	45.7	44.7	40.9	41.1	34.0	31.0	31.3	32.2	32.6	38.1
22	32.1	33.2	34.3	34.1	34.8	34.7	38.9	35.7	35.6	26.7	36.3	39.1	42.6	46.1	44.9	44.4	44.3	40.5	36.6	36.7	31.1	27.9	30.6	32.8	36.4
23	31.5	31.4	30.7	32.7	37.5	34.4	33.2	34.3	33.9	35.8	35.7	38.4	41.1	42.3	44.7	45.8	45.8	43.1	39.9	36.1	32.3	31.9	31.3	33.2	36.5
24	34.0	35.0	35.7	35.7	35.6	35.6	34.6	37.0	36.6	36.2	40.0	46.0	46.1	48.4	45.6	47.4	50.9	46.1	42.7	41.7	36.3	32.8	31.4	32.7	39.3
25	32.8	32.2	34.7	35.8	35.4	35.4	36.6	37.0	37.3	38.0	38.0	39.1	41.1	43.0	44.4	46.2	46.5	46.2	46.1	40.0	34.8	32.6	30.2	28.7	38.0
26	27.8	35.0	33.2	32.6	33.0	34.8	35.6	34.8	36.2	36.3	38.7	39.5	41.5	43.7	48.2	47.5	48.2	46.0	43.1	39.1	33.0	29.1	27.6	28.3	37.2
27	25.5	28.4	29.8	27.8	46.1	35.6	34.3	44.5	44.7	39.1	40.6	43.7	47.5	48.6	44.9	46.9	47.4	46.2	46.0	40.4	37.9	32.8	33.0	34.3	39.4
28	35.6	38.2	41.8	39.2	36.7	36.7	40.5	41.1	39.7	37.9	39.5	42.1	46.9	47.9	45.2	46.2	46.2	45.1	45.3	42.8	37.1	33.1	30.7	31.3	40.3
29	32.7	34.8	31.0	30.2	32.4	31.9	33.3	36.9	37.3	36.3	37.5	40.4	44.3	45.7	48.4	50.5	51.2	50.3	42.2	36.7	31.5	31.5	31.8	32.4	38.0
30	33.1	33.1	34.9	34.7	34.5	36.6	36.6	35.7	37.5	35.6	33.6	38.0	39.5	43.1	47.0	48.4	48.2	45.7	40.6	36.5	32.1	29.7	30.9	31.5	37.4
31																									
Mean	31.0	32.4	33.6	33.5	35.0	34.4	35.1	36.7	36.4	36.7	38.9	40.2	43.0	44.2	46.1	47.2	46.5	43.9	40.4	36.7	33.2	31.2	30.5	30.7	37.4

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

Table 23 Meanook $Z = 59,000\ \gamma +$ June 1941

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	212	205	202	214	238	202	217	124	044	173	194	190	177	162	175	186	185	189	186	181	181	192	201	213	185
2 Q	221	217	197	197	206	201	193	183	181	182	185	187	189	185	184	183	184	184	176	173	174	177	180	183	188
3 Q	189	191	190	187	188	190	188	184	183	178	171	157	174	179	179	181	181	176	178	182	186	186	185	186	182
4 Q	192	197	196	194	191	188	187	182	178	179	180	183	183	179	177	173	173	175	166	166	169	172	184	187	181
5 Q	190	193	192	191	189	194	202	197	186	186	187	195	196	191	184	175	174	177	179	176	177	180	191	202	188
6	209	211	202	195	185	183	184	183	178	170	147	172	171	159	164	173	176	177	175	176	181	182	186	193	180
7	196	194	194	193	193	189	182	169	167	180	187	189	187	183	165	157	162	165	167	175	187	191	193	197	182
8	195	196	194	191	191	192	194	185	172	155	171	186	190	187	178	179	180	182	184	182	178	180	195	205	185
9	207	204	201	199	198	197	196	193	189	167	156	073	167	193	188	186	184	182	180	179	181	186	195	201	183
10 D	235	241	227	203	198	218	162	052	134	177	040	141	161	175	026	100	104	133	171	187	197	191	188	193	161
11 D	212	205	198	193	194	197	198	208	213	206	194	199	205	197	194	189	190	185	188	191	207	222	216	206	200
12	210	218	238	232	216	168	178	158	092	186	200	198	187	136	134	183	200	196	183	175	176	178	182	185	184
13 D	197	189	188	179	177	207	149	-107	078	199	426	237	116	077	176	189	175	175	191	214	242	286	270	252	187
14 D	248	238	178	230	205	223	161	130	117	157	171	158	169	188	190	187	187	180	189	190	198	213	226	236	190
15 D	256	284	277	278	158	218	164	153	199	-094	-037	-074	-004	073	129	156	177	188	201	204	202	199	207	219	156
16 Q	219	222	207	207	212	206	194	157	166	185	184	181	183	179	177	175	175	178	178	179	180	184	189	190	188
17	195	201	199	198	194	190	188	094	-030	035	065	065	116	164	166	172	167	167	164	169	206	265	320	316	166
18	287	281	212	259	266	233	227	223	194	187	185	185	187	191	187	181	178	174	176	174	168	169	171	179	203
19	185	188	189	191	188	187	185	193	181	179	171	066	079	128	137	149	155	155	167	162	172	187	208	240	168
20	274	225	228	278	224	212	-060	051	138	159	142	066	089	137	154	154	152	153	149	161	169	188	198	240	162
21	225	208	217	190	199	198	138	099	123	116	072	115	141	162	168	172	162	162	171	174	170	173	177	197	164
22	214	206	181	163	169	168	168	151	102	040	096	148	177	175	192	191	187	188	186	186	186	190	219	225	171
23	221	214	223	210	199	173	180	180	174	176	173	174	181	182	175	169	166	167	167	169	171	172	170	172	182
24	177	182	181	177	174	173	174	172	169	153	064	132	162	161	151	155	157	155	152	154	164	178	192	202	163
25	205	207	205	192	181	174	175	170	169	170	175	179	174	175	178	176	176	173	171	171	163	168	180	190	179
26	251	254	217	219	217	209	203	198	181	171	169	165	163	161	166	167	166	165	157	156	161	184	204	211	188
27	220	231	218	221	197	193	187	-069	-024	094	137	159	165	164	185	193	188	177	173	174	169	166	166	178	161
28	188	204	208	183	180	182	175	146	148	064	112	138	151	164	143	149	154	159	150	148	155	163	168	196	160
29	226	231	210	205	186	184	185	179	171	171	169	168	176	177	175	174	172	170	168	160	160	164	167	174	180
30	186	196	196	195	189	178	163	162	162	155	101	093	146	166	177	180	171	168	161	168	168	168	176	184	167
31																									
Mean	215	214	206	206	197	194	175	143	144	148	153	148	159	165	166	172	172	172	174	175	180	188	197	205	178

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook June 1941

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	46	834	08	01	611	223	16	46	47.8	07	40	26.9	20.9	04	47	274	08	04	-58	332
2 Q	01	46	762	02	04	727	35	15	30	46.7	00	55	29.8	16.9	00	14	226	19	30	171	55
3 Q	01	52	769	11	07	709	60	12	53	46.5	22	42	31.8	14.7	00	40	195	11	10	137	58
4 Q	14	53	760	15	51	720	40	15	06	46.6	22	00	28.0	18.6	02	10	199	19	50	165	34
5 Q	01	24	770	18	48	707	63	17	15	48.4	06	10	28.1	20.3	06	30	212	19	48	174	38
6	14	33	762	19	28	690	72	14	26	50.9	10	09	25.0	25.9	00	59	213	10	23	112	101
7	13	08	767	17	14	715	52	15	05	48.8	21	28	29.5	19.3	23	50	202	08	18	144	58
8	00	02	767	18	22	707	60	15	30	48.6	21	20	27.8	20.8	23	55	207	09	38	133	74
9	14	52	801	11	43	677	124	14	45	54.8	22	27	28.0	26.8	24	00	214	11	26	45	169
10 D	06	21	939	07	28	369	570	16	36	79.5	07	04	-00.8	80.3	01	02	249	10	20	-62	311
11 D	00	20	932	00	01	632	300	16	48	54.1	00	40	23.6	30.5	00	17	228	06	08	183	45
12	04	45	846	13	59	642	204	04	48	59.0	23	28	28.0	31.0	04	43	282	08	23	45	237
13 D	23	42	1144	07	35	-117	1261	10	03	150.1	09	41	-20.7	170.8	10	10	622	07	38	-366	988
14 D	00	25	1219	07	28	408	811	02	32	51.7	06	54	00.7	51.0	00	36	271	06	54	-39	310
15 D	03	51	1013	09	16	194	819	08	59	90.5	09	11	-11.9	102.4	08	33	480	09	13	-274	754
16 Q	01	11	752	07	31	674	78	06	08	46.1	07	16	26.2	19.9	01	24	227	07	34	120	107
17	23	43	1043	08	06	524	519	15	51	54.1	23	24	18.0	36.1	22	36	338	08	49	-97	435
18	00	04	1103	19	58	683	420	16	38	54.0	00	58	06.2	47.8	02	08	324	02	16	119	205
19	23	48	818	11	19	601	217	15	30	51.9	11	05	24.3	27.6	24	00	262	11	36	18	244
20	04	07	935	07	31	249	686	06	17	90.9	07	56	18.7	72.2	03	05	306	06	32	-257	563
21	00	00	863	10	52	550	313	07	01	58.7	10	38	24.9	33.8	02	17	238	10	49	-08	246
22	11	44	776	09	22	445	331	13	45	49.9	09	28	16.2	33.7	22	33	234	09	30	-27	261
23	00	19	778	22	33	699	79	16	49	47.7	01	52	29.5	18.2	02	04	230	17	00	166	64
24	15	46	756	10	17	638	118	16	43	52.5	22	20	30.6	21.9	23	53	206	10	20	20	186
25	22	27	776	20	04	693	83	17	18	48.3	23	20	27.5	20.8	01	49	211	20	30	162	49
26	00	56	868	23	17	677	191	16	20	49.9	23	46	23.3	26.6	01	06	323	20	00	154	169
27	04	26	926	08	38	558	368	04	44	62.3	00	40	21.7	40.6	03	58	247	07	32	-232	479
28	00	20	803	20	48	683	120	13	05	49.1	23	59	28.7	20.4	02	08	230	09	28	37	193
29	00	54	795	22	12	701	94	15	30	53.4	00	01	28.5	24.9	00	44	248	19	58	155	93
30	23	45	762	10	39	676	86	15	52	49.6	21	35	27.8	21.8	01	25	199	10	53	48	151
31																					
Mean			861			581	280			51.4			20.9	30.5			263			30	233
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 25 — H = 12,000 γ + — July 1941

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	777	759	822	800	789	778	750	732	690	705	727	737	741	750	750	743	742	741	735	723	710	723	713	705	743
2	732	767	766	752	732	733	734	543	655	722	706	711	738	742	750	741	741	730	722	711	714	713	718	721	721
3	731	719	728	739	734	739	736	741	743	743	743	751	754	759	740	719	706	710	716	710	717	719	702	707	729
4 D	729	738	745	758	772	858	950	750	762	754	721	614	572	711	772	753	719	679	653	686	735	688	744	766	734
5 D	865	919	1161	1065	825	754	143	193	-733	-189	-801	-365	-435	015	464	-451	712	764	741	709	821	749	745	701	390
6 D	712	698	694	679	700	684	666	675	667	685	537	475	457	467	410	507	527	593	646	793	790	822	772	813	644
7 D	851	983	745	347	761	760	675	050	407	242	498	666	716	741	745	738	742	723	720	715	701	693	704	722	652
8	711	713	708	701	705	720	624	555	069	465	531	468	700	621	674	663	703	712	685	678	702	699	703	702	634
9	713	712	713	713	713	712	712	713	712	713	708	700	658	655	664	727	741	715	684	673	688	727	738	731	706
10	747	757	775	731	727	723	719	536	571	712	725	720	722	693	678	664	658	646	681	676	739	846	795	673	705
11	694	710	741	703	710	720	716	592	488	624	630	720	726	728	733	739	730	725	720	720	723	727	725	725	699
12	726	732	729	729	732	735	694	597	598	500	566	668	540	631	745	729	722	714	706	705	706	711	717	718	681
13 Q	720	722	730	718	722	725	725	722	721	710	717	710	726	724	728	721	707	695	687	686	694	703	707	727	714
14 Q	720	724	727	731	733	727	722	725	724	723	727	727	725	729	734	727	724	715	704	695	691	693	715	726	720
15	734	722	737	727	729	730	724	722	730	731	721	730	711	733	740	728	721	714	703	697	695	699	713	711	721
16	732	737	746	763	785	836	759	736	739	699	722	738	724	733	723	744	715	698	677	699	714	700	724	723	732
17	742	736	724	715	726	717	724	679	598	730	726	725	724	723	716	712	711	680	685	686	706	707	710	709	709
18	755	742	734	718	722	722	727	732	737	727	737	737	736	741	741	740	722	702	704	705	690	713	701	701	724
19	706	719	722	724	718	717	713	714	716	718	721	715	713	719	720	712	699	663	666	665	673	709	707	729	707
20	722	720	711	715	730	732	721	720	707	720	720	704	705	715	740	728	701	699	690	696	676	696	711	729	713
21 D	753	747	781	763	730	763	362	165	080	107	199	555	587	690	737	749	727	687	680	678	680	721	723	764	601
22	723	817	812	831	836	655	716	568	685	671	698	722	666	649	629	640	722	729	725	713	701	696	728	740	711
23	750	767	759	820	756	736	720	690	378	526	571	571	680	648	717	756	737	737	719	701	706	702	726	785	694
24	776	774	752	751	752	716	724	719	715	658	728	743	724	714	715	722	724	716	705	678	673	688	703	719	720
25	741	740	748	729	748	749	729	607	597	688	705	693	712	740	729	735	716	706	691	689	702	706	707	723	710
26 Q	730	726	734	730	721	719	725	718	726	734	730	733	728	727	737	744	728	709	689	671	667	673	696	708	717
27 Q	725	728	727	737	728	726	725	722	726	727	728	732	739	745	738	731	718	702	693	688	690	698	710	717	721
28	745	735	716	728	730	735	729	737	732	735	742	727	724	747	755	747	736	718	700	686	692	707	716	714	726
29 Q	732	737	735	738	742	742	748	744	743	742	746	756	756	756	756	747	728	707	705	709	713	725	732	735	736
30	737	736	736	732	746	732	735	738	728	737	731	732	746	736	733	729	727	719	709	705	709	693	716	729	728
31	747	746	734	726	729	729	729	734	739	744	745	745	747	744	742	733	719	716	716	710	719	721	717	717	731
Mean	741	751	755	736	741	736	696	631	586	629	626	657	660	685	708	681	714	705	699	699	708	715	721	725	696

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26 Meanook D = 25°E + ...′ July 1941

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	30.0	31.3	31.4	46.9	49.1	40.3	36.8	36.4	42.7	38.4	39.2	40.8	41.6	43.3	45.1	46.8	47.9	46.1	44.0	37.9	34.4	33.9	32.9	32.6	39.6
2	32.5	34.4	45.9	40.4	36.6	39.1	39.0	35.5	45.6	39.6	37.9	38.8	44.2	47.3	48.2	47.9	48.2	46.6	43.6	39.5	36.9	33.8	34.2	34.6	40.4
3	35.8	37.8	37.8	36.6	36.8	36.5	36.5	37.4	37.8	36.6	39.5	40.0	40.4	43.6	45.7	46.4	48.5	40.1	39.1	36.5	33.5	31.4	28.7	30.8	38.1
4D	33.4	35.1	36.2	35.8	32.5	36.9	30.3	35.1	43.9	43.0	35.2	36.0	40.0	47.4	48.8	52.5	49.6	37.7	39.1	35.1	32.6	30.5	32.0	26.0	37.7
5D	38.4	43.0	20.5	12.3	42.0	32.3	06.6	30.8	13.0	44.6	29.4	02.0	36.2	109.2	110.6	87.3	55.1	51.1	46.0	36.8	66.1	43.4	39.1	33.6	42.9
6D	35.1	40.3	38.8	38.2	41.3	42.6	46.2	47.4	33.9	43.3	36.0	68.2	40.7	46.1	11.2	25.1	46.9	45.7	57.0	56.9	44.8	54.0	41.0	47.2	42.8
7D	43.5	41.7	32.0	24.0	15.4	39.1	35.5	17.6	41.7	33.5	55.1	53.4	42.6	48.2	54.2	53.0	49.9	49.9	45.1	40.1	37.9	36.8	39.8	42.6	40.5
8	39.0	39.5	40.0	40.4	40.8	42.6	37.0	52.0	42.4	51.3	52.9	52.1	47.6	58.3	55.1	54.8	51.3	46.6	39.6	35.3	32.7	32.0	34.2	35.2	43.9
9	37.3	39.0	39.0	39.4	39.5	38.5	39.8	38.8	39.2	39.1	39.4	39.1	42.7	47.0	46.1	50.0	52.2	49.5	43.3	36.5	33.6	29.9	26.4	24.7	39.6
10	28.7	31.6	27.4	35.3	36.2	35.2	39.4	27.8	39.1	39.4	39.2	41.7	45.1	45.3	46.8	46.0	52.6	42.1	40.3	37.4	38.8	40.8	34.3	27.4	38.2
11	30.5	35.1	36.2	36.9	36.9	37.5	40.3	55.5	51.2	43.3	35.5	36.4	39.1	44.7	48.2	49.4	50.8	48.5	44.4	39.4	35.7	35.2	35.5	36.9	41.0
12	38.2	38.7	39.4	40.4	38.3	38.4	48.8	48.5	45.1	43.6	46.6	45.9	36.6	38.6	48.2	49.8	47.8	43.9	39.6	36.0	33.8	32.1	31.7	32.3	40.9
13Q	33.4	34.2	35.1	35.3	35.5	36.2	37.0	39.0	38.1	38.2	44.6	44.2	46.0	48.3	50.4	50.5	49.5	46.4	42.9	37.9	34.0	32.2	31.3	33.0	39.7
14Q	36.4	37.2	36.9	36.9	36.6	39.1	34.7	40.4	38.1	38.8	39.8	40.8	42.0	44.6	46.5	46.5	47.0	45.2	41.4	38.3	35.2	33.0	33.6	35.2	39.3
15	35.1	35.3	35.1	36.1	36.8	36.4	36.9	38.8	40.1	40.4	41.2	43.5	44.6	50.2	52.2	53.1	52.8	49.2	44.7	39.9	37.4	35.3	34.9	33.9	41.0
16	33.6	34.2	34.4	32.7	33.5	32.3	36.9	37.0	38.2	37.9	46.8	45.6	47.9	50.7	55.1	52.1	56.1	53.0	38.8	37.4	34.3	32.6	32.9	31.7	40.2
17	36.8	38.2	37.4	36.8	43.0	40.1	38.1	34.0	38.8	42.4	40.0	41.2	43.0	44.8	48.1	49.5	47.4	49.6	44.3	37.5	35.6	36.5	35.5	36.2	40.6
18	36.2	37.7	36.1	37.2	36.9	37.8	39.1	39.1	40.3	43.3	42.4	41.6	44.7	43.6	48.7	51.2	53.0	49.6	47.8	42.1	36.2	34.3	35.2	35.6	41.2
19	35.8	35.8	36.8	39.0	35.3	35.2	35.2	36.9	37.3	38.2	39.1	40.0	40.5	40.5	43.3	45.1	46.9	44.3	40.8	36.4	32.6	32.0	32.2	33.6	38.0
20	34.9	34.9	35.2	35.1	39.8	37.2	37.5	34.7	35.3	37.3	38.7	41.5	45.3	50.6	53.1	52.2	53.4	48.3	44.2	38.5	35.5	32.8	34.7	36.0	40.3
21D	34.2	32.7	47.9	35.2	35.5	42.6	32.0	55.2	48.8	108.0	69.7	48.7	36.5	46.5	50.8	56.4	52.1	48.8	44.8	43.3	30.3	32.3	33.9	36.5	45.9
22	36.5	38.8	44.4	39.6	38.2	42.0	36.8	45.3	45.1	39.5	51.7	43.1	46.2	49.5	50.4	49.8	51.2	48.7	44.6	40.4	37.0	34.0	33.0	31.8	42.4
23	32.6	34.9	38.2	49.4	37.8	48.6	52.0	43.3	40.0	32.9	45.7	33.9	41.3	41.6	42.1	43.0	43.9	40.5	38.1	35.6	36.4	33.4	35.2	32.2	39.7
24	35.8	32.9	31.2	32.1	37.4	48.4	34.9	35.3	35.2	30.4	37.5	39.5	44.0	49.1	49.8	45.7	46.2	42.7	40.9	37.0	33.2	32.2	30.4	32.9	38.1
25	35.8	37.4	35.3	35.2	33.6	33.8	45.9	65.1	54.3	49.8	37.9	38.8	44.7	46.9	48.2	50.8	49.5	45.9	41.0	37.0	35.3	33.6	33.8	34.3	41.8
26Q	35.5	36.6	37.5	38.4	38.7	37.4	36.6	35.8	38.6	38.1	38.1	39.0	41.0	44.2	46.9	49.6	50.4	46.6	41.8	36.6	30.9	27.9	27.7	30.0	38.5
27Q	31.3	33.9	35.3	35.5	35.3	35.5	35.5	36.1	36.9	36.6	37.8	39.2	42.0	45.3	47.6	49.5	48.5	46.2	39.8	33.8	29.0	27.5	28.7	30.6	37.4
28	31.6	34.3	36.2	35.3	35.6	37.0	37.8	35.5	36.5	38.1	37.8	37.5	38.3	44.2	47.2	49.6	48.5	45.5	38.8	33.9	31.6	31.4	31.6	33.0	37.8
29Q	32.7	33.9	34.2	35.6	35.1	34.2	34.9	35.2	36.9	36.9	38.3	40.1	42.1	44.3	45.3	45.0	44.3	43.8	39.1	33.8	31.2	30.1	32.2	34.9	37.2
30	36.9	35.7	34.2	33.6	34.0	33.0	34.2	35.5	40.3	41.7	40.0	41.6	45.2	46.5	48.2	48.3	48.6	46.0	40.7	35.7	32.2	31.6	31.6	33.2	38.7
31	34.3	34.8	36.4	36.1	35.3	35.5	37.2	39.9	39.5	37.8	38.1	39.9	42.0	46.9	48.5	47.8	48.2	46.4	42.9	38.1	33.2	33.9	34.3	34.0	39.2
Mean	34.9	36.2	36.2	36.2	36.8	38.1	37.1	39.5	39.8	42.0	41.6	41.1	42.4	48.3	49.4	49.8	49.6	46.3	42.5	38.1	35.5	33.9	33.3	33.6	40.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook $Z = 59,000\ \gamma +$ July 1941

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	196	216	251	225	212	228	211	179	112	126	157	176	176	176	179	175	174	168	169	167	165	175	180	188	182
2	206	223	234	203	188	186	187	017	039	199	185	133	156	166	173	172	174	175	173	176	178	182	190	198	171
3	202	196	186	184	180	179	173	171	171	166	152	158	156	157	160	146	136	137	149	157	166	173	173	174	167
4 D	179	180	179	188	203	147	188	095	156	178	152	095	070	117	180	170	154	122	146	172	203	220	195	210	162
5 D	288	299	051	123	227	213	214	282	448	197	079	-194	505	826	790	556	318	289	235	235	265	296	254	240	293
6 D	242	231	230	240	242	231	223	217	197	172	070	-011	-061	-010	-024	051	119	190	234	260	247	260	239	274	169
7 D	242	098	-125	-086	-025	154	061	-282	140	-034	174	148	202	230	222	206	190	191	184	179	186	193	203	215	119
8	206	202	196	194	197	204	066	-003	001	083	037	029	101	080	103	123	151	175	184	188	198	186	185	189	136
9	196	197	200	200	198	191	193	188	186	179	171	152	111	103	142	184	195	184	180	171	175	189	203	220	180
10	252	239	238	234	199	185	150	010	-006	129	179	183	181	159	135	116	139	149	180	225	277	317	272	200	181
11	197	199	214	210	198	186	175	041	-047	076	095	168	172	164	170	176	179	183	179	176	181	186	191	196	161
12	202	205	204	203	202	199	125	-006	071	052	077	108	059	079	180	185	183	181	178	179	183	183	185	190	150
13 Q	191	187	192	184	183	181	184	183	180	175	174	153	183	176	175	173	172	172	174	176	177	182	189	195	180
14 Q	190	187	183	183	186	184	144	171	177	176	178	178	175	174	177	181	177	174	175	176	181	185	192	195	179
15	195	188	190	187	189	198	165	179	178	172	167	175	140	155	178	169	162	166	169	168	171	174	182	191	175
16	198	194	194	226	243	223	206	196	190	155	143	183	176	169	167	173	173	173	164	166	176	190	216	238	189
17	267	227	199	192	217	186	188	119	034	155	180	180	183	187	186	185	192	189	194	194	197	203	204	212	186
18	240	238	228	206	193	191	190	188	186	158	170	183	184	188	191	191	188	180	170	173	186	195	200	199	192
19	200	209	226	228	224	211	203	192	186	177	174	172	180	182	184	184	186	188	185	181	185	203	218	239	196
20	232	224	214	210	187	195	199	184	136	170	189	176	165	165	184	184	174	173	178	186	184	189	191	196	187
21 D	212	227	266	259	233	224	166	298	256	145	281	308	195	203	207	195	192	180	191	217	228	215	205	217	222
22	229	269	242	238	026	117	175	040	099	109	110	160	145	135	122	123	138	159	170	179	190	186	200	206	157
23	221	255	239	219	213	206	067	097	054	-015	-008	-003	099	102	133	185	182	185	184	182	185	189	205	242	151
24	278	267	236	223	203	104	191	173	161	083	104	166	158	155	155	157	161	166	173	167	166	176	187	194	175
25	197	191	186	175	180	189	130	-013	-058	018	069	102	138	169	171	175	169	174	174	170	174	179	180	179	142
26 Q	179	177	181	180	178	172	173	155	139	159	163	163	158	149	149	155	156	157	155	153	157	163	177	182	164
27 Q	184	185	178	178	178	177	171	155	145	157	160	164	167	167	166	165	161	158	155	151	151	158	166	171	165
28	181	187	176	172	170	168	175	167	156	140	156	153	141	159	163	164	161	157	146	142	150	158	163	165	161
29 Q	175	179	177	178	177	175	171	159	156	155	157	162	164	164	165	163	160	150	151	159	164	168	168	171	165
30	180	181	181	176	180	184	180	150	079	154	156	156	163	160	159	157	154	150	147	151	159	159	162	166	160
31	164	166	167	164	165	169	161	156	158	159	160	162	165	164	164	164	161	156	162	157	156	162	171	187	163
Mean	210	207	191	190	185	186	168	124	132	133	142	137	158	173	181	178	172	173	174	178	186	193	195	201	174

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook July 1941

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	54	973	08	33	662	311	03	42	62.6	01	00	27.7	34.9	02	48	332	08	25	73	259
2	02	53	792	07	39	339	453	07	51	59.9	07	32	23.2	36.7	02	45	244	07	54	-153	397
3	13	14	776	17	29	672	104	16	45	50.8	22	30	28.7	22.1	00	50	202	16	30	120	82
4 D	06	29	1026	11	55	468	558	16	00	54.8	20	09	08.6	46.2	06	26	252	05	55	-39	291
5 D	02	17	1416	10	46	-2157	3573	13	26	161.2	11	04	-169.6	330.8	12	49	1568	12	04	-528	2096
6 D	21	49	895	14	46	279	616	11	09	93.0	14	19	-28.5	121.5	23	40	306	14	39	-173	479
7 D	01	17	1123	07	30	-178	1301	03	23	83.7	07	48	-49.4	133.1	08	08	286	02	52	-428	714
8	06	41	832	08	24	-134	966	08	06	79.2	08	18	-01.8	81.0	05	56	241	07	55	-137	378
9	21	02	814	13	30	627	187	16	23	54.7	23	02	20.4	34.3	24	00	241	13	29	86	155
10	21	56	887	08	01	269	618	16	46	57.3	08	02	-01.8	59.1	21	03	347	07	58	-104	451
11	02	19	767	08	26	421	346	07	44	73.9	00	06	28.4	45.5	02	24	222	08	15	-151	373
12	14	28	752	12	55	374	378	06	52	66.7	13	05	22.3	44.4	05	39	210	07	23	-43	253
13 Q	02	22	750	19	47	682	68	14	04	50.8	22	23	31.2	19.6	23	49	197	11	27	138	59
14 Q	06	13	744	19	42	685	59	15	56	47.9	06	28	28.0	19.9	05	44	201	06	24	96	105
15	13	53	752	18	24	688	64	15	00	54.7	06	29	31.3	23.4	05	32	203	06	48	135	68
16	05	45	935	09	57	633	302	14	42	59.9	20	35	30.0	29.9	04	43	270	09	58	90	180
17	00	17	763	08	15	486	277	04	43	59.2	08	04	20.9	38.3	00	40	274	08	26	-10	284
18	00	33	764	17	53	685	79	16	51	57.2	21	44	33.9	23.3	00	54	248	07	49	126	122
19	02	14	741	19	20	656	85	16	45	48.2	20	50	31.2	17.0	23	14	242	11	03	170	72
20	08	36	826	08	56	603	223	16	14	57.6	08	52	22.8	34.8	00	30	234	08	53	-04	238
21 D	05	36	889	08	17	-554	1443	09	57	232.8	08	27	-34.0	266.8	10	10	541	09	48	-106	647
22	01	47	1034	04	56	454	580	02	09	72.2	04	51	01.8	70.4	01	46	343	04	53	-250	593
23	03	30	949	08	43	126	823	05	56	71.3	09	38	16.0	55.3	03	23	299	09	11	-105	404
24	05	07	825	09	46	601	224	05	00	60.7	09	44	25.1	35.6	01	11	291	05	21	01	290
25	06	17	796	07	49	532	264	06	59	76.5	21	27	31.8	44.7	05	54	212	08	03	-110	322
26 Q	15	08	745	20	28	665	80	15	58	50.8	22	49	27.5	23.3	23	16	184	08	18	107	77
27 Q	01	06	745	19	53	684	61	15	23	49.5	21	33	27.4	22.1	01	12	193	08	00	121	72
28	13	46	756	19	37	677	79	16	22	50.9	22	30	30.9	20.0	01	42	192	09	30	132	60
29 Q	14	14	761	17	36	701	60	15	21	46.0	21	32	30.0	16.0	01	10	181	18	30	150	31
30	07	45	756	21	26	686	70	16	52	50.4	22	00	29.9	20.5	05	22	187	08	15	31	156
31	02	00	769	22	33	689	80	16	22	50.7	20	40	31.6	19.1	24	00	192	07	34	149	43
Mean			850			388	462			69.2			14.8	54.4			250			-20	270
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 1941

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	729	723	730	736	741	742	740	704	723	750	758	765	768	757	740	726	710	720	717	728	734	767	729	736
2 D	709	699	714	702	735	779	568	268	299	321	561	606	683	746	417	359	559	634	676	708	723	739	759	793	615
3	759	759	716	743	743	759	704	710	716	708	636	609	639	683	719	718	710	703	709	699	713	727	739	750	711
4 D	787	835	801	802	931	643	678	543	338	472	272	258	-393	-659	064	241	532	642	736	720	723	865	1014	1031	536
5	1136	1096	913	922	802	776	724	698	700	697	707	711	712	701	656	629	650	667	700	721	736	774	793	836	769
6	762	736	725	724	736	737	624	677	650	586	618	595	676	713	693	631	714	704	690	704	731	728	765	1044	707
7	944	878	831	766	748	736	724	665	559	601	698	628	729	745	736	712	665	681	711	711	708	712	701	711	721
8	734	712	720	715	720	723	721	719	720	719	687	712	729	729	722	712	710	695	686	685	687	683	698	708	710
9 Q	721	726	725	723	724	723	723	724	725	730	731	734	738	741	742	730	714	708	697	696	706	707	712	722	722
10 Q	734	732	728	728	728	731	728	729	731	733	734	735	738	741	743	734	724	712	701	694	690	697	715	722	724
11	736	733	712	727	726	735	742	704	635	732	747	742	738	734	730	728	723	711	700	694	695	694	702	712	718
12	725	740	723	723	728	734	736	733	715	728	727	732	724	720	733	723	706	701	699	696	701	707	708	734	721
13	724	724	728	728	733	732	735	725	723	602	622	721	742	742	750	738	723	716	712	714	702	710	719	733	717
14	737	720	725	734	721	723	731	728	728	727	733	735	736	740	745	728	712	699	703	701	700	706	714	723	723
15	747	727	722	724	724	729	726	724	725	723	725	726	729	727	732	731	716	705	697	696	698	701	706	720	720
16 Q	723	726	727	728	727	727	728	728	726	728	731	725	734	731	734	732	718	706	696	699	702	712	717	729	722
17 Q	748	742	730	731	725	726	729	730	731	733	736	737	738	739	734	720	709	705	709	715	717	716	730	734	728
18	729	733	737	733	732	733	731	734	734	739	741	741	743	741	740	734	714	719	718	716	715	703	703	726	729
19	757	748	773	784	738	808	742	498	577	649	476	426	451	684	701	721	708	730	722	721	723	726	756	729	681
20	736	734	734	738	732	741	730	696	697	737	730	726	723	733	740	734	723	716	715	709	708	708	719	717	724
21	733	730	737	734	743	750	745	712	735	741	753	752	756	760	751	731	708	707	693	679	720	737	737	735	732
22	738	738	728	728	728	728	729	732	734	735	740	741	747	745	743	730	710	697	687	687	695	708	724	723	725
23 Q	730	727	729	731	731	730	731	733	734	734	734	734	735	742	741	729	703	689	681	692	707	715	727	733	724
24	733	725	736	737	736	741	752	737	632	603	743	750	749	751	739	728	701	689	687	688	696	721	728	727	718
25	717	728	732	735	735	736	737	737	741	742	736	740	749	752	751	737	716	687	666	673	697	700	754	743	727
26 D	755	785	727	728	742	753	732	717	633	540	514	394	388	714	741	690	658	683	670	695	676	755	783	851	680
27 D	991	993	784	842	846	430	485	012	107	334	-251	-113	002	445	190	607	754	757	721	690	724	760	802	812	530
28	729	716	775	792	737	764	724	629	484	362	-072	307	603	588	709	737	720	709	718	719	710	714	707	727	638
29 D	728	719	752	742	741	758	720	589	649	176	636	735	686	494	587	722	670	661	707	716	754	769	753	797	678
30	903	767	731	753	711	748	573	491	637	654	712	665	631	660	601	697	702	701	698	704	715	715	722	738	693
31	736	736	729	733	752	735	737	760	749	744	727	712	662	734	744	728	709	700	703	707	705	719	717	746	726
Mean	770	761	744	747	745	729	708	656	644	637	624	638	638	664	674	688	697	698	701	702	710	725	742	762	700

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30 Meanook D = 25°E + ... ′ August 1941

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	35.1	37.2	37.2	37.8	36.8	36.8	36.9	37.0	42.0	43.9	39.1	39.8	42.4	45.1	48.4	48.7	47.2	40.9	37.2	36.8	31.4	25.1	24.2	27.9	38.1
2 D	31.0	35.3	39.1	40.9	35.8	35.3	57.0	40.3	30.6	27.1	53.3	49.8	42.7	48.6	65.1	49.6	33.9	37.8	39.4	33.0	31.3	34.3	38.3	39.2	40.4
3	37.7	37.9	35.5	43.2	44.0	44.3	40.5	40.4	41.4	37.4	30.3	35.7	48.8	49.2	49.8	46.9	44.0	42.4	35.2	31.7	30.9	31.6	33.2	35.2	39.5
4 D	35.8	39.2	41.9	28.6	56.3	51.4	25.9	28.6	18.6	14.5	50.4	37.8	04.7	55.5	68.2	99.3	67.2	39.0	30.0	39.0	45.1	51.4	53.3	49.7	43.0
5	41.1	31.7	42.0	31.2	33.2	30.0	32.0	34.3	34.0	35.6	36.2	38.3	41.0	42.0	45.3	45.5	37.7	35.5	36.2	33.5	31.3	30.6	31.7	32.0	35.9
6	32.0	33.9	33.9	32.7	32.5	33.4	44.8	39.5	40.4	34.4	36.9	42.9	46.6	47.0	48.3	45.2	44.8	46.6	40.7	37.5	31.3	28.8	24.0	34.2	38.0
7	31.0	25.7	23.5	31.8	49.2	35.1	35.5	31.3	27.5	33.4	36.8	34.9	37.9	44.7	44.8	46.6	46.8	42.4	40.8	36.4	32.9	33.9	32.0	33.4	36.2
8	32.6	34.8	34.6	35.1	36.9	40.4	41.2	36.5	35.7	35.3	31.6	37.7	41.7	44.0	45.5	45.9	45.5	43.0	38.2	36.0	32.6	30.6	32.1	35.1	37.6
9 Q	36.2	37.8	38.7	38.1	38.6	39.2	39.1	39.2	39.4	39.4	39.5	40.9	43.4	45.6	47.3	47.6	48.5	47.0	44.0	39.2	35.5	32.7	33.9	35.7	40.3
10 Q	36.5	37.5	38.7	39.5	38.6	38.2	38.1	38.1	38.3	39.0	39.8	41.3	42.9	45.5	48.2	49.5	49.8	48.6	44.0	37.9	32.1	28.8	28.8	30.8	39.6
11	31.3	32.7	34.9	34.6	36.5	36.6	35.3	37.5	42.4	44.6	40.9	56.0	54.7	54.4	52.1	54.8	51.8	46.5	44.3	36.8	32.0	29.0	30.1	32.7	40.9
12	35.3	34.4	36.4	36.2	35.8	36.1	39.1	39.0	38.8	43.1	42.5	36.6	43.4	46.8	47.3	49.5	52.5	49.2	44.2	39.1	35.6	33.1	32.0	31.0	39.9
13	31.6	33.6	37.4	36.8	35.3	45.5	42.6	42.0	38.2	28.4	35.5	44.3	43.5	45.5	50.2	52.1	51.2	46.0	42.7	39.4	34.4	33.0	33.6	35.5	39.9
14	35.7	36.4	36.8	37.7	54.4	41.5	39.6	38.8	39.1	39.1	40.0	40.9	42.9	44.0	46.1	48.1	48.5	44.8	40.8	35.3	33.0	32.9	35.2	36.5	40.3
15	35.5	36.4	35.5	35.6	35.3	36.5	37.5	37.5	37.7	39.1	40.7	42.2	44.3	45.3	48.3	49.1	51.4	47.0	41.8	38.2	37.0	36.5	36.4	37.8	40.1
16 Q	38.7	39.1	38.9	38.9	38.9	39.3	39.0	38.3	39.3	40.3	40.3	41.9	43.5	46.5	49.3	49.3	48.5	46.9	42.6	36.9	34.5	33.4	33.8	35.2	40.6
17 Q	34.7	34.6	34.7	36.0	36.8	38.8	38.8	39.6	40.3	41.1	41.9	42.7	43.7	45.5	47.9	48.0	46.7	43.1	38.8	36.0	34.0	33.6	33.7	34.7	39.4
18	36.1	36.5	36.5	37.2	37.9	38.5	39.1	41.1	40.1	40.4	40.4	41.8	43.2	45.8	49.5	52.2	48.9	43.1	40.4	35.5	34.8	31.5	34.2	35.5	40.0
19	31.3	30.6	38.4	36.2	39.0	36.8	40.0	44.8	27.5	41.0	36.8	21.0	42.0	51.4	48.4	48.5	45.6	40.3	40.3	32.7	32.6	33.2	35.7	39.0	38.0
20	38.9	41.9	40.3	39.5	40.3	39.6	38.1	39.1	39.3	40.0	40.2	41.3	44.6	50.4	50.6	50.2	49.0	46.8	40.3	38.5	36.7	36.3	36.8	37.2	41.5
21	37.6	38.5	36.4	40.6	43.8	36.6	38.9	37.6	40.9	41.9	41.6	45.3	48.5	50.8	50.7	48.5	50.2	39.3	39.8	25.9	25.4	29.4	31.6	34.3	39.8
22	36.8	36.8	36.7	36.5	37.1	37.4	37.5	38.0	38.5	39.1	39.7	40.5	43.5	46.2	48.0	48.4	48.0	43.5	39.1	34.5	34.6	31.9	34.4	37.1	39.3
23 Q	38.7	39.2	38.3	38.3	38.8	39.5	37.0	42.7	38.3	38.3	39.9	41.4	44.3	47.4	48.7	48.6	47.0	41.0	34.1	31.7	31.0	31.5	33.4	34.8	39.3
24	34.3	35.3	34.1	34.3	35.3	38.6	41.1	40.0	37.6	34.3	40.5	42.2	45.6	46.4	48.7	49.4	50.2	45.5	40.8	34.4	32.7	32.1	31.1	32.7	39.0
25	35.6	35.5	38.2	38.1	38.2	38.4	39.9	40.4	39.4	39.5	39.3	42.9	44.5	45.9	47.5	49.5	48.9	47.2	43.3	39.1	25.4	24.3	29.9	30.3	39.2
26 D	28.8	38.7	33.8	36.6	37.4	45.5	40.0	38.5	54.3	52.8	46.8	51.8	61.9	50.9	50.3	48.4	33.7	26.9	36.4	31.6	28.3	31.9	32.0	34.1	40.5
27 D	40.2	39.3	39.7	39.3	36.8	59.7	40.5	24.7	66.2	40.5	57.2	51.9	38.3	48.5	61.6	48.7	49.0	42.1	42.3	38.0	31.7	33.1	33.7	33.2	43.2
28	38.8	33.9	37.1	41.4	51.4	42.2	41.0	48.2	50.9	58.7	71.3	62.3	57.5	38.5	46.3	50.4	47.5	42.4	40.5	36.8	35.1	36.1	36.6	36.8	45.1
29 D	35.6	38.1	39.9	48.0	51.1	42.6	33.4	35.0	39.4	47.3	37.3	41.1	38.9	39.8	40.6	45.6	45.5	42.9	34.1	29.0	37.0	38.7	33.8	36.1	39.6
30	49.8	36.9	35.3	41.6	34.2	36.7	19.9	27.2	36.0	29.8	39.0	35.7	32.8	42.3	45.5	41.5	42.0	40.2	39.3	36.0	35.8	34.3	34.7	38.1	36.9
31	36.1	36.2	34.8	39.8	41.0	39.6	39.8	35.4	37.4	37.4	39.2	38.8	45.3	47.4	49.1	48.2	46.5	40.8	39.3	36.5	33.2	31.8	31.5	32.2	39.0
Mean	35.8	36.0	36.8	37.5	39.9	39.7	38.4	37.8	39.0	38.6	41.4	42.0	43.2	46.7	49.6	50.1	47.4	42.9	39.7	35.6	33.2	32.8	33.4	35.1	39.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Meanook $Z = 59,000\ \gamma +$ August 1941

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	198	187	170	167	162	164	165	152	120	120	161	170	169	165	156	146	150	147	150	161	161	182	206	220	164
2 D	250	264	303	266	245	190	-098	-144	054	333	120	154	172	160	086	-061	056	142	173	183	189	198	212	216	153
3	215	212	192	202	150	156	087	129	131	145	112	073	063	072	112	135	151	178	185	183	178	181	183	184	150
4 D	210	251	255	221	132	-039	100	143	-007	-004	182	283	014	-230	448	385	137	135	177	208	242	315	304	204	169
5	129	120	107	172	232	225	212	180	183	178	185	186	185	175	139	097	121	152	167	176	188	203	217	217	173
6	183	188	194	195	192	198	007	071	112	062	055	-002	061	092	121	113	156	169	181	189	201	219	248	326	147
7	284	286	274	234	210	186	206	149	036	083	141	141	171	183	178	170	160	172	189	187	182	193	200	207	184
8	201	186	183	180	180	175	156	167	173	172	129	157	180	179	178	174	176	177	176	176	180	179	180	184	175
9 Q	185	181	180	178	177	174	174	168	167	167	169	170	170	168	169	166	160	158	157	160	173	174	177	181	171
10 Q	184	180	180	177	173	169	169	168	167	167	167	168	172	172	171	164	159	155	158	158	158	161	164	169	168
11	176	181	173	174	170	173	189	150	043	128	169	167	166	164	162	161	161	159	162	164	171	178	181	180	163
12	178	185	192	185	179	184	197	180	159	144	152	136	165	166	169	170	168	163	164	173	182	188	189	197	174
13	194	197	205	198	189	187	152	162	168	003	018	125	176	180	180	176	173	171	165	168	170	172	175	189	162
14	195	190	180	200	199	181	196	178	170	154	173	174	173	173	173	172	172	166	161	163	167	171	176	179	176
15	194	190	192	190	196	194	194	182	177	170	171	176	174	165	165	166	163	164	165	165	174	177	177	177	177
16 Q	178	173	173	172	172	172	171	170	170	171	167	161	161	161	161	159	158	158	160	171	173	175	180	183	169
17 Q	186	187	184	183	178	166	168	168	168	169	170	171	168	169	167	165	165	169	168	167	172	175	179	182	173
18	178	174	170	168	167	167	167	167	166	166	166	166	166	167	166	166	161	152	151	154	158	164	171	176	166
19	190	188	236	253	209	216	160	125	037	069	-024	-220	-129	056	125	159	158	175	191	182	177	176	191	200	129
20	193	203	196	189	188	193	185	124	102	162	171	165	165	159	166	173	174	178	179	180	179	181	181	189	174
21	195	199	192	196	187	207	199	156	160	162	164	186	186	181	173	169	172	174	176	181	184	188	188	190	182
22	189	185	181	176	174	175	173	173	174	174	173	176	178	179	178	176	168	167	169	172	178	187	194	189	177
23 Q	185	185	184	185	184	182	184	152	166	179	180	179	178	179	178	178	175	170	162	163	169	180	187	191	177
24	193	192	195	195	212	198	190	184	129	028	153	183	186	186	182	181	179	175	176	175	180	189	189	190	177
25	187	189	185	182	179	179	179	181	177	178	176	177	180	179	177	171	168	164	169	181	200	203	208	205	182
26 D	248	262	211	202	211	196	176	162	084	070	173	117	-022	076	160	125	074	138	170	203	229	260	280	301	171
27 D	221	196	238	270	261	-076	051	279	214	309	235	138	086	118	126	148	216	200	202	241	264	265	288	249	197
28	267	232	259	199	184	211	210	-085	-158	-018	340	055	141	117	177	189	183	188	199	208	201	209	211	221	164
29 D	224	231	243	230	184	203	200	039	109	-085	033	147	146	030	048	162	166	180	212	213	248	278	238	268	164
30	296	273	273	252	040	150	161	094	116	072	163	139	091	136	132	166	171	181	184	202	219	218	207	217	173
31	212	201	200	206	166	122	113	194	185	191	186	158	105	162	176	179	173	177	184	191	192	197	199	212	178
Mean	204	202	203	200	183	167	155	139	124	130	153	141	135	137	164	161	159	166	174	181	188	198	203	206	170

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook — August 1941

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	42	793	09	01	662	131	15	42	50.5	21	31	21.3	29.2	23	55	242	09	00	71	171
2 D	02	58	894	07	27	-65	959	06	54	98.9	07	38	-29.8	128.7	09	16	563	07	18	-505	1068
3	05	39	844	10	59	571	273	05	38	66.7	10	47	20.6	46.1	00	46	234	06	05	20	214
4 D	04	43	1263	12	31	-1247	2510	11	33	169.3	12	51	-104.1	273.4	13	35	1289	08	12	-352	1641
5	00	13	1292	15	17	607	685	00	37	65.1	03	13	09.2	55.9	04	42	252	02	25	29	223
6	23	23	1117	06	42	495	622	06	25	64.8	22	50	22.2	42.6	23	22	355	06	46	-143	498
7	00	34	1023	09	04	444	579	04	40	60.2	09	00	15.0	45.2	01	02	312	09	00	-40	352
8	02	04	743	20	32	665	78	16	36	47.6	10	20	27.1	20.5	00	46	208	10	28	105	103
9 Q	14	23	749	18	12	689	60	16	30	49.6	22	25	32.5	17.1	00	54	187	17	59	149	38
10 Q	23	27	748	21	08	682	66	16	53	50.5	21	29	26.8	23.7	00	22	187	17	30	155	32
11	01	22	774	08	09	500	274	15	45	56.1	21	14	28.4	27.7	07	15	204	08	29	-25	229
12	01	40	761	20	33	687	74	16	40	56.3	23	11	29.1	27.2	06	04	202	09	24	124	78
13	05	54	770	10	04	539	231	05	43	54.8	09	23	35.7	19.1	02	12	225	10	09	-46	271
14	14	21	749	17	21	691	58	04	26	64.3	20	43	32.6	31.7	03	49	228	09	07	145	83
15	00	26	761	19	12	691	70	16	41	52.4	02	01	33.1	19.3	06	08	205	17	05	161	44
16 Q	12	30	743	18	42	692	51	14	40	51.2	20	41	32.8	18.4	23	48	185	17	07	157	28
17 Q	00	36	755	17	43	697	58	14	48	48.4	22	05	30.8	17.6	00	44	190	16	00	164	26
18	23	46	759	22	24	679	80	15	36	53.1	21	49	30.2	22.9	23	52	186	18	04	149	37
19	05	20	902	11	51	279	623	07	45	63.0	11	43	-11.4	74.4	02	53	296	11	48	-367	663
20	00	10	752	08	05	634	118	13	48	52.1	06	44	32.7	19.4	02	18	211	09	13	58	153
21	10	15	781	19	20	667	114	16	15	55.7	19	35	22.9	32.8	06	28	219	07	36	113	106
22	12	31	749	18	59	669	80	15	06	49.5	21	25	31.4	18.1	22	45	196	18	00	166	30
23 Q	07	23	755	18	20	681	74	07	15	49.1	20	20	30.5	18.6	23	36	193	10	38	138	55
24	06	07	779	08	43	401	378	16	35	53.9	09	25	16.5	37.4	06	08	216	09	15	-48	264
25	22	53	767	19	18	647	120	17	25	53.7	21	15	20.3	33.4	22	06	219	17	51	158	61
26 D	23	43	889	12	14	44	845	12	06	83.8	20	25	25.0	58.8	23	40	313	12	06	-204	517
27 D	01	36	1123	12	13	-963	2086	08	18	127.9	12	57	-59.4	187.3	12	19	568	12	31	-403	971
28	03	32	974	10	16	-389	1363	10	45	160.3	11	03	13.0	147.3	10	31	644	08	27	-232	876
29 D	23	54	894	09	33	-49	943	09	37	93.3	09	28	11.7	81.6	24	00	314	09	27	-296	610
30	04	03	1089	06	48	238	851	04	52	80.5	06	38	-15.3	95.8	00	16	329	04	07	-180	509
31	06	19	794	12	14	597	197	04	03	54.5	04	51	31.0	23.5	03	56	225	06	03	54	171
Mean			864			391	473			68.9			14.3	54.6			303			-23	326
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 1941

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	752	739	740	738	782	725	743	635	583	745	737	738	736	709	717	701	684	700	699	718	728	748	721	718
2	744	719	726	732	732	735	700	559	748	726	677	657	722	697	704	709	699	689	696	704	724	735	726	753	709
3	751	731	726	733	731	732	733	735	736	736	740	740	740	739	735	726	710	703	696	700	708	718	733	736	728
4 Q	735	734	730	739	735	736	738	739	740	742	741	740	737	737	731	724	716	706	699	699	705	722	722	730	728
5 Q	739	739	735	733	739	730	733	738	739	744	742	742	741	738	734	725	708	699	698	704	723	730	732	735	730
6 Q	736	736	737	738	736	736	737	740	741	741	741	741	743	746	744	734	715	704	705	709	717	733	743	746	733
7	754	746	748	749	754	763	847	809	818	768	734	735	736	676	589	726	714	713	701	708	726	735	722	741	738
8	767	755	758	755	750	749	760	749	749	716	701	738	737	745	746	732	717	701	703	706	710	725	737	745	736
9	734	741	737	737	739	734	732	732	728	695	745	743	739	737	732	731	715	698	692	691	690	700	726	745	725
10	726	719	725	726	736	736	735	735	736	735	736	738	741	742	742	731	717	707	700	707	715	724	727	743	728
11	745	735	724	733	733	739	746	745	744	737	715	709	654	658	698	727	711	688	687	693	712	725	738	747	718
12 Q	740	739	731	734	735	735	736	736	735	735	739	730	743	742	740	733	722	713	711	708	716	722	726	732	730
13 D	733	736	737	736	737	737	738	741	749	750	759	768	733	422	354	656	722	714	714	718	722	741	744	740	704
14	773	837	967	826	675	667	414	525	514	519	712	700	648	726	724	733	735	726	704	705	713	719	741	758	698
15 D	754	774	731	739	737	650	685	705	682	668	570	646	671	651	707	746	730	712	731	701	698	722	741	729	703
16	789	797	730	738	749	738	739	736	730	732	734	737	736	734	734	730	719	700	692	676	701	730	736	739	732
17	739	743	744	741	741	754	756	745	729	729	654	702	720	721	735	740	715	696	705	705	722	736	737	742	727
18 D	752	738	751	748	772	864	918	585	065	543	185	-1101	138	045	-459	332	380	424	375	599	656	693	566	496	419
19 D	481	194	288	570	103	329	400	-441	403	131	826	834	749	735	695	702	707	699	714	740	974	714	687	774	542
20 D	764	767	752	772	727	736	716	685	507	126	023	045	354	449	689	701	707	700	696	699	707	718	717	725	603
21	730	704	745	837	860	726	688	671	162	-030	262	210	376	578	683	576	697	715	704	703	703	702	706	706	601
22 Q	716	717	715	713	715	727	713	721	715	714	708	695	699	707	713	706	696	686	678	677	685	695	706	722	706
23	721	719	718	718	718	717	718	718	635	737	725	722	710	683	589	587	623	661	697	706	708	708	722	733	696
24	725	708	737	752	752	772	750	734	727	721	724	698	659	653	754	733	711	691	672	670	698	715	778	968	729
25	820	780	721	723	709	708	704	692	510	520	584	566	537	576	648	689	687	669	679	685	702	709	715	705	668
26	725	723	722	721	723	721	722	725	725	727	718	720	731	728	718	718	719	712	710	713	720	728	725	729	722
27	728	725	723	725	744	730	700	685	703	671	723	707	737	726	733	718	693	711	712	723	729	737	739	732	719
28	730	731	732	734	741	749	747	742	740	747	743	742	747	743	740	737	725	722	721	727	734	729	719	736	736
29	728	728	745	747	784	732	768	750	732	633	571	634	740	734	733	704	712	711	701	719	713	728	714	736	716
30	752	783	735	732	733	732	742	751	696	724	691	579	718	738	731	702	704	720	720	715	707	723	733	732	720
31																									
Mean	735	725	727	737	719	723	718	674	652	634	656	612	672	668	661	698	698	692	690	700	719	721	724	736	695

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34 Meanook D = 25°E + ... ′ September 1941

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	34.1	31.5	41.3	32.5	32.9	35.7	37.7	38.2	33.7	38.3	37.5	38.6	43.1	46.0	46.8	47.9	43.5	41.3	34.8	30.5	31.9	31.9	32.6	33.5	37.3
2	33.4	35.7	35.7	36.4	35.9	34.3	27.9	09.6	42.4	37.8	36.7	35.5	41.5	44.4	46.0	44.1	43.8	40.8	36.0	33.5	34.7	33.7	32.2	35.2	36.1
3	41.4	35.6	34.6	36.2	36.3	36.7	37.5	39.7	38.0	38.2	40.3	39.7	41.2	42.4	43.7	44.3	43.4	41.2	37.1	34.9	32.5	31.6	34.1	35.3	38.2
4 Q	35.8	35.8	34.8	34.9	35.8	38.5	35.8	36.4	38.4	39.0	39.7	40.4	41.9	44.1	44.9	46.5	45.3	41.0	35.8	31.9	31.5	31.9	32.4	34.9	37.8
5 Q	34.1	34.5	36.1	36.7	36.3	37.1	36.9	37.0	37.1	37.4	37.3	38.3	40.9	42.3	43.8	43.5	42.3	39.9	36.4	32.7	32.8	33.6	35.1	36.0	37.4
6 Q	35.7	35.6	35.6	35.9	36.2	36.7	36.7	37.0	36.9	37.4	38.7	40.5	42.0	43.4	45.2	46.4	45.6	42.4	36.9	33.4	30.9	31.7	33.1	34.6	37.8
7	35.0	35.1	35.2	35.1	34.2	31.8	33.2	31.5	36.0	40.3	48.4	45.8	47.2	51.2	55.3	48.6	47.3	43.3	43.9	42.0	33.7	28.9	29.8	32.4	39.4
8	31.2	31.4	33.1	34.6	35.4	35.9	36.0	43.7	35.7	39.7	34.8	36.8	39.2	43.6	46.4	48.7	47.2	43.2	35.8	32.5	29.4	28.8	30.2	27.5	36.7
9	31.1	33.0	34.1	35.0	34.3	35.4	35.3	35.4	33.9	29.3	38.2	38.3	40.5	42.3	44.9	45.8	45.7	44.8	37.9	34.1	33.7	32.7	33.0	33.1	36.7
10	36.6	34.3	35.7	39.3	39.9	43.4	36.3	36.5	36.9	38.3	39.5	39.5	41.8	43.7	45.7	47.7	45.8	43.0	39.2	33.7	33.2	34.1	34.1	34.0	38.8
11	34.6	34.2	35.5	34.8	35.2	35.6	39.5	39.0	37.3	38.1	39.4	50.5	40.0	45.7	49.5	46.1	43.1	39.4	35.8	30.5	30.4	32.4	33.8	36.1	38.2
12 Q	38.3	36.5	38.3	39.8	36.2	37.0	37.3	37.2	39.1	39.2	40.8	36.5	41.4	42.2	43.6	43.6	43.3	40.9	38.6	36.8	34.8	34.0	34.9	34.8	38.5
13 D	35.1	35.5	36.3	36.5	36.9	37.3	37.1	37.3	37.4	38.4	39.8	40.8	39.1	38.4	60.8	51.6	41.6	41.9	37.1	36.3	35.1	33.5	32.4	30.5	38.6
14	29.3	29.3	42.3	59.3	42.8	38.5	27.9	26.7	48.1	30.9	37.3	35.7	41.2	46.0	47.8	46.0	44.2	41.2	38.0	34.7	34.1	34.1	35.1	35.4	38.6
15 D	45.7	39.4	33.4	39.7	38.3	28.0	32.0	38.6	36.4	35.4	33.7	37.3	37.9	36.3	41.6	44.5	42.5	42.5	39.9	26.6	26.3	28.0	31.5	33.8	36.2
16	34.4	41.5	34.7	33.0	47.0	51.1	39.2	36.8	37.6	38.5	38.9	40.3	41.2	42.0	43.2	45.1	44.9	45.7	44.8	32.5	31.4	31.1	32.9	34.0	39.2
17	31.8	34.9	35.8	32.0	34.0	34.7	35.3	35.4	36.3	39.9	36.4	41.5	47.1	50.9	47.6	46.7	44.2	38.6	34.6	31.4	32.9	34.5	36.2	37.5	37.9
18 D	37.7	37.6	36.8	36.3	38.6	31.4	06.8	18.1	41.1	42.8	38.9	110.0	95.6	119.5	87.0	91.4	110.4	105.9	119.8	118.7	135.6	79.2	71.5	47.6	69.1
19 D	12.5	-24.7	-04.3	-07.4	37.2	-03.1	-01.5	68.2	23.8	36.0	55.4	41.9	39.8	52.0	54.2	59.7	55.5	56.7	61.6	57.6	65.3	35.9	38.1	36.3	35.3
20 D	39.2	35.9	40.1	42.0	37.1	34.4	34.4	37.1	52.6	102.9	106.5	74.9	41.2	47.5	45.0	48.1	46.1	40.5	36.6	35.9	34.4	34.5	37.0	39.2	46.8
21	39.9	39;6	36.8	37.3	44.1	34.9	42.8	33.4	35.6	37.9	48.4	69.3	48.6	45.4	55.0	50.0	44.1	39.6	37.3	37.6	36.4	36.6	38.0	38.2	42.0
22 Q	37.1	37.5	36.2	36.2	35.5	39.2	25.8	35.2	37.6	39.5	40.0	39.8	42.4	45.3	45.8	47.1	46.9	45.9	41.4	36.5	35.3	35.9	36.1	35.7	38.9
23	36.2	36.2	36.2	36.3	37.4	37.4	37.5	37.6	35.9	40.0	40.4	40.5	39.8	42.8	42.2	45.6	40.1	34.6	33.6	35.3	34.9	31.8	33.9	33.0	37.5
24	33.6	35.5	33.3	33.6	47.0	40.0	37.4	37.9	37.9	37.9	40.4	41.1	41.5	46.6	50.1	49.7	45.6	45.7	34.0	28.0	32.3	33.6	34.4	34.5	38.8
25	34.6	30.0	33.0	35.4	37.4	38.0	38.0	48.3	56.0	40.6	38.1	51.7	50.5	41.3	38.0	39.5	37.2	33.2	29.3	30.7	31.3	28.8	31.0	34.1	37.8
26	36.5	36.8	37.2	37.4	36.7	37.0	37.2	37.6	39.7	39.8	37.8	39.1	42.7	42.8	43.9	44.4	42.4	40.6	37.8	35.3	34.8	34.6	36.1	35.4	38.5
27	35.8	36.5	36.1	36.6	44.0	35.7	26.5	50.1	49.1	50.5	50.5	53.1	48.9	46.5	45.0	41.9	38.5	34.5	32.2	32.9	35.3	36.2	37.4	37.8	40.5
28	36.2	36.2	35.9	35.7	35.8	36.5	35.5	36.5	39.8	42.6	40.9	41.1	41.4	42.1	42.6	42.1	39.3	37.2	34.8	32.6	34.9	32.3	32.2	33.3	37.4
29	33.6	35.3	34.6	32.9	35.8	44.3	35.5	35.4	37.4	41.3	41.8	47.6	49.2	44.0	45.3	45.4	45.4	38.7	37.2	36.9	35.4	35.3	36.2	33.5	39.1
30	31.7	47.5	39.5	34.3	34.6	36.1	36.2	37.5	34.3	36.9	40.5	34.3	40.4	42.6	43.1	43.7	36.3	35.2	34.1	32.6	32.0	32.2	33.6	33.9	36.8
31																									
Mean	34.7	33.8	34.8	35.3	37.6	35.6	33.1	37.0	38.7	40.8	42.6	45.4	44.3	46.8	47.8	47.9	46.0	43.3	40.4	37.3	37.8	34.4	35.3	35.0	39.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook $Z = 59,000\ \gamma +$ September 1941

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	197	215	231	217	229	230	041	146	138	123	174	191	191	191	173	180	186	186	185	187	197	197	204	209	184
2	223	212	206	202	195	198	130	024	185	192	147	133	181	179	184	190	199	196	198	201	210	220	210	229	185
3	230	208	201	201	196	193	196	202	199	189	181	189	191	192	195	196	196	194	193	196	198	193	193	197	197
4 Q	199	194	193	193	193	194	196	196	193	192	191	191	192	191	192	192	192	186	180	182	184	193	196	198	192
5 Q	198	195	192	191	192	196	195	191	190	190	185	187	188	187	188	189	191	187	187	189	188	190	191	192	190
6 Q	189	190	189	190	189	189	188	183	188	187	187	187	187	186	186	186	184	178	177	179	183	185	188	193	186
7	190	189	188	187	190	209	240	219	177	188	190	160	160	135	066	156	182	185	186	195	211	244	224	206	186
8	217	258	245	233	230	219	214	193	169	188	194	192	199	200	197	199	197	197	203	208	216	234	235	230	211
9	230	219	218	174	182	179	163	157	133	076	138	151	155	154	154	158	158	156	158	159	161	170	176	195	166
10	205	187	170	169	165	154	154	154	155	156	157	158	157	157	158	156	159	162	165	167	166	167	168	170	164
11	170	170	169	170	168	170	152	150	169	161	111	100	096	044	068	089	127	141	148	157	161	165	173	178	142
12 Q	174	166	165	167	157	156	156	153	137	135	143	144	153	156	154	154	155	155	159	161	161	160	160	157	156
13 D	157	155	154	154	154	154	154	153	155	152	142	146	119	-053	-226	-069	107	155	166	165	169	196	206	218	124
14	215	239	275	213	087	111	-239	-158	-027	057	129	153	127	146	138	157	164	160	159	173	183	198	237	240	131
15 D	256	209	207	188	043	-036	-049	067	089	053	075	094	109	105	128	158	151	147	160	162	215	225	194	182	130
16	206	250	186	183	204	117	166	162	159	158	159	158	156	158	160	159	158	157	169	170	170	180	188	193	172
17	191	194	186	182	185	193	177	184	173	162	075	098	130	122	150	157	148	155	162	162	165	165	167	169	160
18 D	169	167	178	180	193	046	106	182	340	444	494	558	870	843	-018	712	646	763	664	445	145	-014	-150	-118	327
19 D	015	-446	-194	093	000	318	267	702	460	171	223	146	297	312	265	255	235	222	224	223	256	216	212	241	196
20 D	258	266	264	162	188	246	223	197	080	-150	-159	064	054	095	135	163	177	193	209	213	213	215	212	208	155
21	202	201	213	182	159	161	176	151	-189	094	164	184	196	117	145	136	205	199	200	202	201	205	202	200	163
22 Q	202	202	199	195	196	214	145	172	201	200	190	172	157	171	183	185	183	180	179	179	184	186	190	191	186
23	186	181	181	182	181	181	181	179	057	167	185	181	167	123	065	065	105	130	174	181	177	181	192	198	158
24	208	208	211	233	215	192	201	179	189	190	190	169	092	049	122	152	155	165	182	189	219	238	265	271	187
25	275	294	250	243	227	207	182	153	100	-003	053	024	078	082	116	121	156	161	183	193	205	205	195	178	162
26	187	184	185	185	187	186	186	184	176	183	168	151	172	177	177	179	180	176	176	181	183	184	184	184	180
27	185	184	189	209	173	108	-006	061	120	104	143	147	150	143	156	160	166	182	187	187	187	191	197	197	155
28	198	197	195	193	188	187	163	185	191	200	192	183	179	175	171	170	173	174	173	172	177	186	191	191	184
29	184	184	182	190	220	-011	172	197	182	099	032	127	157	170	170	167	170	170	170	172	176	189	201	203	161
30	197	251	201	187	191	188	195	166	077	152	125	023	101	157	172	167	155	157	161	167	173	180	185	181	163
31																									
Mean	197	184	188	188	176	168	148	170	152	147	153	159	179	169	138	175	185	192	195	191	188	188	186	189	175

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook — September 1941

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	05	59	920	08	53	359	561	05	55	56.3	08	47	10.8	45.5	05	56	288	06	46	-36	324
2	06	46	837	07	00	408	429	06	42	55.6	06	58	-24.3	79.9	23	40	247	07	13	-141	388
3	00	03	788	19	25	680	108	00	13	46.3	21	18	29.7	16.6	00	06	258	10	03	174	84
4 Q	08	50	744	18	59	690	54	15	35	47.5	20	06	30.6	16.9	00	10	201	18	26	176	25
5 Q	11	54	745	18	10	698	47	14	20	44.7	19	55	30.8	13.9	05	26	202	10	43	183	19
6 Q	13	10	747	18	25	698	49	15	55	47.3	20	15	30.4	16.9	22	42	193	18	20	175	18
7	07	53	891	14	13	411	480	14	26	66.8	21	59	25.6	41.2	21	37	264	14	20	-07	271
8	08	06	786	09	58	651	135	04	23	54.4	23	50	26.0	28.4	02	18	274	09	42	148	126
9	23	10	762	09	50	675	87	17	41	56.1	09	37	21.0	35.1	00	23	236	09	49	22	214
10	04	22	745	18	18	694	51	05	25	51.9	01	02	32.1	19.8	00	03	219	05	42	131	88
11	23	27	754	13	01	555	199	11	45	53.3	19	30	28.7	24.6	06	03	188	13	03	-09	197
12 Q	10	39	748	19	09	702	46	15	56	45.1	20	15	32.3	12.8	00	01	184	09	29	126	58
13 D	22	46	796	14	38	103	693	14	08	79.6	13	15	27.0	52.6	23	57	251	14	08	-262	513
14	02	28	1068	06	57	92	976	03	32	75.4	07	08	-38.5	113.9	02	20	337	06	51	-473	810
15 D	01	08	813	10	34	483	330	04	19	65.6	05	30	-17.0	82.6	00	18	295	05	28	-117	412
16	01	22	920	19	09	663	257	05	00	70.8	01	12	27.2	43.6	01	24	325	05	38	82	243
17	07	19	772	10	19	611	161	12	20	53.3	07	02	22.5	30.8	07	13	227	10	21	36	191
18 D	06	08	1095	11	01	-5627	6722	13	49	200.6	11	48	-42.4	243.0	12	22	1400	14	44	-448	1848
19 D	20	20	1191	06	59	-3926	5117	04	41	163.4	01	03	-206.0	369.4	06	16	950	02	02	-765	1715
20 D	03	25	890	10	46	-2235	3125	11	34	155.9	11	20	12.2	143.7	01	06	325	09	42	-362	687
21	04	33	1008	09	02	-1254	2262	12	04	106.5	09	17	-13.2	119.7	11	33	475	08	14	-350	825
22 Q	06	00	747	06	32	635	112	15	35	49.2	06	33	06.3	42.9	05	31	227	06	42	43	184
23	23	49	746	14	38	540	206	15	50	55.7	08	11	25.3	30.4	24	00	207	08	14	-24	231
24	23	23	1028	13	24	547	481	14	14	56.9	19	45	24.8	32.1	23	16	315	13	29	-05	320
25	00	10	857	08	32	320	537	07	59	73.3	10	20	25.7	47.6	01	27	314	09	14	-79	393
26	21	43	743	17	48	698	45	15	29	45.3	20	18	34.3	11.0	21	46	192	11	19	141	51
27	06	14	795	09	09	596	199	07	40	57.9	07	00	07.9	50.0	03	48	226	06	31	-82	308
28	21	21	751	22	08	703	48	15	04	44.3	19	00	30.7	13.6	09	25	207	06	06	131	76
29	04	05	943	10	24	514	429	05	04	64.8	04	43	27.9	36.9	04	15	259	05	34	-63	322
30	01	24	868	11	15	492	376	01	35	56.5	11	04	22.5	34.0	01	26	359	07	50	-22	381
31																					
Mean			850			39	811			70.0			08.4	61.6			322			-56	378
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 1941

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	731	736	733	732	739	734	761	735	730	720	739	736	731	735	733	731	725	715	709	712	717	724	726	730	730
2	732	732	733	733	733	731	731	739	732	735	737	738	738	736	730	722	717	718	720	713	713	721	722	725	728
3	715	721	726	729	731	731	726	725	725	723	732	739	740	739	739	733	722	712	711	716	726	729	726	727	727
4 Q	731	735	738	736	736	737	739	740	742	744	746	746	745	744	739	733	729	720	713	716	721	722	730	733	734
5	725	728	740	749	742	739	739	730	673	704	705	702	739	749	739	738	723	713	705	711	718	722	730	733	725
6 Q	735	740	742	743	741	738	738	731	716	736	747	747	747	746	742	739	732	724	716	716	714	715	718	728	733
7 Q	728	738	746	745	744	744	742	745	741	741	743	744	746	745	744	740	732	721	712	712	714	724	736	739	736
8	747	732	720	741	828	734	728	725	727	736	736	738	738	738	735	734	711	687	697	702	703	703	714	728	728
9	740	731	743	735	727	731	737	735	727	723	737	735	734	712	720	740	731	718	705	702	700	715	725	736	727
10	747	749	749	748	748	747	747	747	747	749	753	754	747	747	747	749	743	736	719	719	706	703	711	736	740
11 D	737	730	727	735	745	748	741	681	591	258	182	321	376	521	737	761	744	669	685	700	718	719	773	903	646
12 D	801	738	864	848	757	719	681	559	533	661	698	657	699	726	728	728	718	712	703	710	718	717	722	723	713
13	747	744	742	734	733	696	617	698	705	710	662	675	734	735	734	728	720	710	700	708	716	719	723	724	713
14	733	732	727	728	725	725	736	728	720	709	614	599	660	672	665	603	683	733	709	704	707	713	726	728	699
15	727	735	744	752	745	768	678	394	352	252	213	496	701	699	718	709	701	699	707	697	713	727	722	730	641
16 D	734	737	747	795	759	730	729	693	664	711	740	739	721	661	703	720	696	688	716	728	727	710	712	719	720
17 Q	723	735	735	735	733	731	722	673	688	653	693	654	720	741	734	733	730	725	724	725	723	732	733	729	718
18	735	735	737	736	739	736	735	725	629	714	718	721	741	740	744	739	727	716	712	722	730	735	734	733	726
19	730	727	730	739	732	727	694	716	722	714	728	739	707	683	709	692	707	723	726	730	730	729	730	731	721
20	731	729	734	733	739	744	731	624	685	731	729	739	730	731	738	739	733	729	718	718	725	723	730	736	725
21 Q	740	734	735	743	738	733	732	727	731	740	741	740	740	740	739	737	723	710	708	715	727	737	741	740	733
22 D	733	736	731	733	729	732	721	699	726	728	747	729	723	711	742	732	665	621	695	716	693	691	745	746	718
23	722	720	723	733	730	732	739	734	701	693	684	728	724	720	686	699	722	698	683	685	702	723	711	738	714
24	761	729	727	730	727	727	729	732	666	644	716	730	719	727	727	708	709	709	693	682	707	709	720	713	714
25	733	736	734	731	743	742	733	735	732	734	736	738	737	736	741	735	727	716	708	705	710	717	732	731	730
26	728	735	735	735	738	748	747	743	737	693	647	725	740	748	745	742	730	713	683	680	716	722	715	740	724
27	726	734	735	734	730	730	735	738	727	731	712	727	739	740	734	733	731	720	717	720	729	724	730	737	730
28	733	734	734	736	733	734	739	734	739	739	740	730	734	725	727	745	737	722	702	707	721	720	737	726	730
29	760	750	746	742	742	740	742	742	741	740	741	742	742	741	745	748	743	740	732	731	730	731	732	737	741
30	745	744	742	744	747	744	744	749	743	733	732	714	734	744	736	739	745	737	726	725	730	736	735	731	738
31 D	730	741	743	751	830	930	813	814	760	750	739	736	731	714	726	727	707	673	616	669	720	841	834	952	760
Mean	737	735	740	743	744	741	730	709	695	689	687	702	718	721	730	728	721	710	706	710	717	724	731	744	721

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38 Meanook D = 25°E + ... ′ October 1941

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	36.6	36.2	35.0	35.5	35.2	32.4	36.7	32.7	38.4	34.5	40.6	40.0	41.0	42.3	41.8	40.4	41.4	41.5	37.6	35.9	34.3	33.6	34.9	36.7	37.3
2	37.0	36.9	36.3	36.5	36.1	36.9	36.2	37.5	38.0	38.8	38.8	38.8	39.1	40.4	42.8	44.9	43.0	41.0	40.4	39.3	32.7	32.4	33.9	32.4	37.9
3	32.3	34.6	37.5	37.4	36.5	37.6	39.2	36.5	41.0	40.1	40.6	39.2	39.8	41.0	42.1	43.7	44.0	41.9	38.8	34.5	32.8	32.6	33.6	34.9	38.0
4 Q	37.4	35.4	36.1	36.2	36.2	36.1	36.2	36.6	37.2	37.6	38.8	38.9	39.6	41.4	43.9	44.0	44.7	41.9	37.5	35.4	34.8	34.3	33.7	31.8	37.7
5	31.6	31.3	32.4	33.6	35.2	35.8	35.3	35.7	47.9	44.7	41.7	38.0	41.0	41.5	43.3	45.2	45.4	42.7	40.5	37.5	35.2	34.1	33.6	33.9	38.2
6 Q	32.3	33.0	34.6	35.7	36.6	36.7	37.0	36.9	44.0	45.7	39.2	37.8	38.9	39.2	38.8	42.6	42.7	40.2	39.1	37.9	34.6	32.9	32.7	32.7	37.6
7 Q	34.9	34.8	35.9	35.9	36.2	36.5	35.5	36.5	37.0	37.8	38.2	38.4	38.4	38.9	39.8	41.7	42.7	42.8	40.0	36.9	33.9	32.9	31.3	32.7	37.1
8	33.8	32.3	34.3	35.3	29.3	37.9	37.3	37.4	37.3	37.8	37.7	37.8	37.8	38.7	40.0	42.7	42.9	34.5	29.5	31.6	32.2	34.4	34.5	34.8	35.9
9	37.8	36.9	36.6	35.2	39.1	36.5	36.1	36.4	37.4	36.9	39.1	39.4	39.2	36.6	35.7	41.3	43.4	43.5	41.8	38.4	33.8	31.3	31.9	32.2	37.4
10	33.6	34.9	36.1	36.4	36.9	36.9	36.4	36.2	36.8	37.1	37.5	37.9	38.4	40.0	41.7	44.9	47.9	43.9	41.3	35.1	29.3	27.6	29.2	29.6	36.9
11 D	31.9	32.2	33.4	34.5	35.6	37.7	67.6	41.8	29.5	53.9	45.2	58.5	20.9	58.1	37.4	39.2	45.2	36.8	41.3	33.7	34.8	30.9	33.1	44.4	39.9
12 D	30.9	30.8	29.3	48.3	38.3	41.0	30.5	39.9	46.8	42.0	38.4	35.2	31.3	37.3	38.4	39.1	40.5	41.3	39.0	37.3	33.9	33.2	32.5	35.3	37.1
13	36.2	37.0	36.1	36.2	36.9	36.6	21.2	37.7	37.3	39.0	37.0	35.1	37.4	37.4	39.7	42.6	43.0	40.5	37.7	35.1	32.2	33.0	34.2	33.9	36.4
14	36.0	36.1	36.0	36.8	38.4	43.8	39.6	37.1	36.9	38.3	35.2	34.5	54.3	42.4	41.3	29.1	34.0	37.8	37.4	36.0	33.2	33.5	33.5	33.2	37.3
15	34.2	34.9	36.1	39.7	42.6	44.2	38.7	24.4	26.7	38.7	80.3	50.5	37.4	36.0	35.8	34.7	34.5	32.2	29.3	27.5	33.0	33.5	35.1	34.7	37.3
16 D	35.6	36.9	35.6	37.3	39.0	38.2	37.9	38.0	33.6	35.8	38.3	38.3	38.0	32.3	35.6	39.1	38.3	33.1	30.9	36.2	36.2	36.4	33.4	33.8	36.2
17 Q	36.2	37.0	37.0	36.4	36.4	36.2	37.4	50.3	46.6	42.1	39.7	42.7	37.4	38.8	40.3	40.5	41.3	38.8	35.1	33.2	33.9	35.3	36.8	37.4	38.6
18	37.1	37.1	37.0	36.8	36.1	35.8	41.3	41.4	33.6	45.1	40.3	43.4	42.0	41.3	42.6	42.5	40.5	37.4	31.2	29.6	31.3	33.6	34.8	35.8	37.8
19	36.0	34.5	37.3	36.8	36.1	36.2	57.6	45.2	41.0	42.9	43.9	44.9	45.2	42.1	36.4	35.4	34.4	32.1	33.8	34.5	34.3	34.7	36.1	37.0	38.7
20	36.4	36.1	35.8	36.1	35.7	36.4	34.0	47.8	47.7	47.9	47.8	44.3	44.3	45.7	46.7	43.6	41.6	41.3	38.7	35.1	35.1	34.9	35.8	36.4	40.2
21 Q	36.1	36.0	36.1	33.2	34.7	37.4	35.3	36.8	38.0	37.9	38.4	38.7	39.2	40.0	40.9	42.1	41.3	38.6	35.1	32.1	32.1	32.6	34.7	35.3	36.8
22 D	35.4	36.1	36.4	34.9	34.7	36.9	37.9	39.5	41.3	37.7	39.2	39.2	40.4	41.3	47.7	47.8	49.6	49.1	23.9	25.4	30.2	28.3	31.0	34.5	37.4
23	36.7	37.0	37.2	36.3	45.3	63.2	38.5	34.9	35.5	36.2	38.9	41.4	42.1	43.5	42.7	47.1	46.6	43.6	37.4	31.9	32.3	34.4	34.5	32.0	39.6
24	38.8	36.1	37.4	37.0	37.1	36.9	40.4	35.3	35.8	29.1	38.5	39.7	40.4	38.4	41.3	40.2	39.6	40.9	37.8	32.8	33.5	33.6	33.9	34.5	37.0
25	35.4	35.9	36.3	40.1	41.3	37.0	37.0	36.2	36.3	36.5	36.9	37.2	38.1	39.1	41.1	44.5	45.3	43.5	39.1	32.8	31.9	32.7	34.1	34.1	37.6
26	35.2	35.3	36.2	35.2	36.5	38.5	36.2	34.9	36.5	36.2	38.0	46.6	44.7	39.2	43.6	45.2	44.1	43.3	36.9	26.2	31.0	29.4	28.0	30.9	37.0
27	36.9	36.2	35.9	35.5	36.9	36.6	37.2	36.2	37.1	42.7	33.9	35.4	39.5	40.1	40.7	41.9	41.9	39.6	36.7	35.5	34.5	35.0	34.4	36.2	37.4
28	35.8	36.2	36.9	37.5	37.4	37.0	39.6	36.9	38.5	37.5	39.3	38.7	38.1	39.6	42.1	42.7	43.2	42.6	37.9	33.3	34.3	35.7	34.4	35.5	37.9
29	37.5	38.8	36.9	37.1	38.0	37.8	37.5	37.8	37.5	37.4	37.5	39.5	40.0	40.0	41.4	42.4	41.9	38.8	36.5	35.5	35.3	35.3	36.9	37.5	38.1
30	37.8	37.9	36.3	39.8	41.9	36.5	37.5	37.5	37.6	36.2	37.5	33.6	38.8	42.8	41.4	37.8	40.1	37.0	34.9	33.9	33.6	35.3	36.1	36.2	37.4
31 D	34.8	36.1	37.2	37.5	26.2	07.6	26.5	36.5	38.4	37.5	39.5	41.4	41.4	42.7	45.3	47.9	50.8	38.5	23.8	25.7	26.8	31.6	32.0	44.5	35.4
Mean	35.4	35.5	35.8	36.8	36.8	37.2	37.9	37.7	38.3	39.4	40.5	40.2	39.5	40.6	41.0	41.8	42.4	40.2	36.2	33.7	33.1	33.2	33.7	35.0	37.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Meanook $Z = 59,000\ \gamma +$ October 1941

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	181	181	191	199	194	175	180	188	177	157	151	172	161	176	177	177	177	175	176	175	177	178	179	180	177
2	182	181	179	179	179	181	182	182	190	181	179	178	177	177	176	175	172	173	175	175	176	179	188	200	180
3	207	202	190	183	183	184	159	145	144	132	137	148	159	162	166	171	175	175	172	171	178	181	179	180	170
4 Q	182	181	179	177	175	176	178	179	179	178	177	177	175	175	175	176	176	176	171	171	174	176	179	183	177
5	181	189	191	200	191	184	189	160	037	132	154	136	145	170	173	179	178	180	179	178	179	180	181	182	169
6 Q	187	185	184	181	180	179	180	172	106	132	176	181	177	174	171	175	177	178	180	179	181	180	182	188	174
7 Q	187	187	186	184	183	183	183	182	182	182	181	180	179	179	180	181	180	179	177	178	179	180	181	183	182
8	185	202	229	250	291	220	192	189	172	179	179	185	183	183	183	187	178	166	167	176	183	188	190	189	194
9	189	186	189	199	217	201	189	187	178	152	176	177	174	156	165	179	184	184	185	184	185	187	187	187	183
10	188	189	188	187	186	186	186	186	186	186	186	185	184	184	185	184	183	183	181	186	189	193	197	207	187
11 D	207	220	233	232	227	219	090	033	132	151	453	379	194	079	185	225	212	192	234	252	244	242	283	351	220
12 D	283	251	190	250	250	204	053	-047	-036	122	171	161	203	200	203	203	205	213	216	215	216	218	222	224	183
13	230	220	212	210	212	148	050	163	155	155	135	152	181	192	201	202	203	203	203	206	207	204	204	205	186
14	213	213	214	214	210	209	211	200	185	170	093	049	062	144	132	141	175	203	207	213	216	216	220	223	180
15	240	251	241	248	239	238	168	060	111	114	110	132	204	148	151	160	165	185	213	226	249	249	238	222	190
16 D	225	222	235	269	256	238	208	203	157	178	212	212	198	150	170	179	194	208	206	211	221	241	222	220	210
17 Q	211	212	205	203	204	209	210	164	149	112	149	143	169	200	205	208	210	208	209	211	211	212	214	213	193
18	212	211	210	206	208	203	192	188	091	138	159	133	182	182	188	197	203	208	209	210	212	214	219	220	192
19	226	227	230	232	247	230	147	120	164	172	185	193	195	158	141	157	172	175	195	206	212	214	215	216	193
20	217	216	217	227	239	238	218	076	159	181	194	190	183	176	168	178	199	204	203	204	211	214	213	211	197
21 Q	213	215	215	224	235	236	228	207	201	206	206	204	204	206	208	209	206	205	206	206	207	208	208	209	211
22 D	208	207	213	214	212	225	216	177	171	176	195	183	150	116	138	161	151	181	238	238	235	234	245	257	198
23	218	212	217	232	246	199	166	176	163	162	154	207	208	204	184	176	203	203	209	226	230	234	231	256	205
24	291	227	215	220	227	231	232	221	175	079	162	194	191	193	192	186	184	196	196	204	230	226	220	216	204
25	222	219	226	243	237	232	216	209	208	207	206	206	207	206	209	209	207	206	205	203	207	210	212	212	214
26	212	214	214	215	217	221	208	208	203	156	021	134	152	204	206	206	201	193	193	190	205	234	243	250	196
27	235	219	216	227	216	215	207	206	190	172	153	148	186	202	208	208	207	203	204	204	208	208	206	206	202
28	204	201	201	201	200	200	201	198	199	198	197	189	187	177	179	196	192	186	193	202	204	210	215	210	198
29	246	238	208	202	197	196	196	195	192	185	183	185	186	190	191	192	184	184	182	187	193	195	195	195	196
30	195	198	200	205	195	198	200	197	188	163	165	119	134	157	176	193	198	196	197	202	207	209	208	206	188
31 D	215	226	250	246	188	020	089	167	219	219	205	204	203	191	182	171	165	150	113	161	227	282	257	115	186
Mean	213	210	209	215	214	199	178	164	159	162	174	175	177	174	180	185	188	189	193	198	205	210	211	210	191

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook October 1941

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	06	32	783	09	54	695	88	06	26	44.7	07	02	26.8	17.9	04	48	210	09	56	106	104
2	07	05	747	20	48	694	53	15	48	45.6	20	58	30.7	14.9	23	56	206	07	21	172	34
3	11	34	754	09	07	706	48	06	05	51.0	00	16	30.0	21.0	00	24	210	06	57	111	99
4 Q	09	00	748	18	32	710	38	16	13	46.2	23	39	30.9	15.3	23	20	187	19	23	170	17
5	07	39	785	08	03	606	179	08	22	55.7	07	46	26.7	29.0	07	10	201	08	02	-32	233
6 Q	09	36	755	08	24	700	55	08	38	48.4	00	22	31.7	16.7	23	10	195	08	28	84	111
7 Q	01	42	753	19	38	705	48	17	07	47.1	22	34	29.8	17.3	01	40	190	13	01	174	16
8	04	13	859	17	43	675	184	16	28	44.9	04	28	19.3	25.6	04	35	339	18	30	161	178
9	02	25	747	13	46	680	67	16	39	46.1	13	46	28.3	17.8	04	14	222	13	43	132	90
10	15	13	757	20	44	692	65	16	07	51.6	21	37	26.2	25.4	23	30	214	19	56	179	35
11 D	23	25	995	10	39	08	987	09	47	115.8	12	22	-03.3	119.1	10	37	635	12	59	-183	818
12 D	03	44	1015	08	42	477	538	08	41	56.2	06	38	01.2	55.0	00	36	313	07	12	-91	404
13	05	18	749	06	16	553	196	05	28	49.6	06	09	01.0	48.6	00	06	240	06	07	-64	304
14	12	57	752	10	55	423	329	12	20	59.5	11	02	21.7	37.8	23	55	234	10	53	02	236
15	05	42	805	08	06	95	710	10	41	125.8	07	06	-03.6	129.4	09	25	387	09	08	-108	495
16 D	03	47	781	08	38	611	170	04	08	52.0	04	30	25.4	26.6	03	54	317	08	44	99	218
17 Q	13	12	744	09	05	527	217	07	55	53.0	19	46	32.8	20.2	15	52	217	09	50	96	121
18	06	22	759	08	37	569	190	09	43	46.9	08	29	27.0	19.9	06	26	224	08	31	-01	225
19	05	35	759	13	35	655	104	06	23	67.3	17	00	26.1	41.2	04	27	253	07	03	68	185
20	05	39	766	07	32	546	220	07	22	56.9	06	32	29.0	27.9	05	29	254	07	30	-09	263
21 Q	03	05	749	18	36	704	45	15	45	43.8	19	38	30.9	12.9	05	45	247	08	09	188	59
22 D	22	23	883	17	39	562	321	17	03	64.0	18	41	12.0	52.0	22	25	283	13	38	95	188
23	06	22	778	10	42	646	132	05	38	73.6	19	41	29.0	44.6	23	50	309	06	37	93	216
24	00	14	793	08	59	487	306	06	05	44.7	09	06	20.6	24.1	00	14	319	08	58	38	281
25	04	50	757	19	35	701	56	16	30	45.9	20	10	31.3	14.6	04	00	258	13	28	200	58
26	12	47	764	09	51	522	242	11	01	50.5	09	55	14.1	36.4	21	55	266	09	55	-56	322
27	13	23	750	10	47	691	59	09	28	46.9	10	46	28.4	18.5	00	04	248	10	56	108	140
28	06	22	750	18	52	686	64	16	36	44.7	19	58	31.0	13.7	20	56	221	14	00	169	52
29	00	49	796	19	54	722	74	00	50	46.3	00	10	32.3	14.0	00	53	308	09	52	179	129
30	03	51	768	11	04	690	78	03	02	58.0	09	24	32.3	25.7	03	51	220	11	08	105	115
31 D	23	36	1086	17	26	658	428	16	41	56.7	05	48	-12.2	68.9	21	39	330	05	49	-86	416
Mean			796			593	203			56.1			22.2	33.9			266			68	198
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 $H = 12,000\ \gamma +$ November 1941

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	831	820	1031	882	801	423	-254	394	468	433	405	281	235	355	468	420	433	648	737	738	729	731	732	731	561
2		729	728	731	727	725	726	730	729	729	727	723	731	734	743	746	736	727	723	717	718	716	722	728	730	728
3		720	732	737	738	744	745	745	741	741	740	743	743	736	727	718	747	732	730	725	725	729	732	738	742	735
4	Q	750	754	748	748	747	754	754	750	730	741	742	743	739	740	738	730	727	723	718	723	734	733	736	740	739
5		745	750	754	754	754	754	759	754	742	742	743	744	747	747	742	725	709	685	718	739	716	705	706	745	737
6	D	747	746	745	761	735	664	263	246	-014	396	327	359	475	637	787	700	731	694	720	722	753	753	800	770	605
7		752	762	739	739	722	742	690	464	658	613	539	683	722	734	754	745	707	690	695	691	710	721	735	730	697
8		749	753	816	827	798	763	677	680	669	465	644	717	734	689	669	732	736	717	689	696	724	727	738	745	715
9		737	744	745	748	739	750	740	744	745	720	568	560	632	614	652	622	741	739	722	717	718	725	736	748	704
10	D	750	740	727	739	750	749	749	708	685	611	730	755	724	495	625	730	742	627	653	702	723	724	732	738	704
11		720	797	841	831	745	732	723	718	707	395	532	716	708	742	749	742	733	695	695	708	719	721	734	724	714
12		740	739	737	741	737	739	741	730	741	732	738	736	741	740	729	740	731	727	715	712	715	723	730	735	733
13		748	738	739	739	739	740	738	729	688	669	688	629	702	743	748	752	749	733	722	720	725	736	743	740	725
14		739	748	745	746	745	739	738	718	726	719	697	716	748	751	751	749	745	740	733	730	730	732	734	734	736
15	Q	740	742	747	746	746	746	744	744	742	736	728	733	751	756	753	750	756	749	740	739	739	737	746	749	744
16	Q	755	749	746	743	747	749	750	751	750	750	749	749	748	747	747	746	741	739	740	738	743	735	748	752	746
17	D	764	760	750	747	783	783	714	730	428	511	651	673	478	438	617	550	561	704	694	737	727	703	737	736	666
18		747	747	745	755	751	762	760	431	478	155	426	411	603	694	725	693	699	672	672	652	734	746	755	757	649
19		763	805	773	754	760	740	731	724	739	670	634	709	733	756	754	744	739	736	735	735	733	724	706	745	735
20		758	763	750	748	745	743	745	764	744	746	744	744	748	746	746	745	739	735	728	726	727	740	748	755	745
21		739	736	753	747	739	734	736	738	737	732	747	745	747	746	751	739	738	729	721	725	738	747	740	736	739
22		750	762	758	756	753	749	749	729	726	744	755	754	752	751	753	727	724	726	734	732	711	713	741	738	741
23		767	821	807	979	778	767	772	757	635	715	744	723	682	742	752	753	745	735	729	727	727	731	727	739	752
24	Q	752	756	763	755	748	747	752	750	740	743	747	747	754	753	752	754	751	742	736	733	738	736	742	756	748
25		757	758	758	757	764	753	751	697	663	749	749	747	751	753	757	767	760	753	740	730	727	732	742	748	744
26	Q	755	757	758	758	753	752	751	745	745	749	750	751	724	764	759	757	751	741	736	736	740	745	747	751	749
27		757	758	756	759	758	767	798	786	639	671	729	722	742	731	759	768	757	749	743	745	750	753	755	758	746
28	D	762	757	786	911	1100	902	679	497	316	319	347	877	810	749	741	739	731	681	573	683	709	755	753	756	706
29		753	755	742	750	757	757	757	747	683	694	673	734	742	743	748	744	742	739	731	733	731	734	739	743	736
30		745	746	748	748	747	745	741	743	739	739	746	746	747	746	747	740	727	731	739	733	725	733	741	740	741
31																										
Mean		751	758	766	771	764	740	691	681	651	638	658	689	696	702	725	720	720	718	715	722	728	732	740	744	717

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42 Meanook D = 25°E + ... ′ November 1941

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	39.4	13.1	17.9	13.8	00.4	23.2	48.2	47.2	52.6	43.3	45.3	51.1	61.8	50.4	19.0	30.4	08.8	30.2	40.2	38.0	36.5	37.2	37.5	37.5	30.5
2	37.6	37.6	37.7	37.5	37.3	37.2	37.0	36.8	36.5	35.9	35.1	36.0	36.0	38.1	40.4	41.1	40.6	38.8	35.5	33.7	32.7	32.2	32.2	32.1	36.5
3	34.3	36.6	36.9	36.8	36.4	35.9	34.7	34.9	34.9	36.3	36.7	37.7	38.7	40.1	43.1	44.6	39.9	37.5	34.7	33.5	33.2	32.5	32.4	33.0	36.5
4 Q	34.5	33.3	33.6	29.6	33.0	32.6	34.9	36.6	35.8	36.7	37.5	38.8	37.8	38.8	41.0	39.8	37.9	36.1	35.8	34.1	33.5	34.3	34.6	37.1	35.7
5	36.2	34.9	35.8	37.2	36.1	34.9	35.9	34.1	33.6	35.5	38.3	39.8	39.8	40.1	40.1	39.1	42.7	39.1	30.9	31.3	33.6	27.4	32.8	36.6	36.1
6 D	38.5	42.6	37.5	57.0	42.4	42.1	45.3	05.3	61.6	44.8	35.6	76.4	80.7	59.6	41.8	34.1	37.1	32.2	30.2	31.0	35.4	37.4	36.5	35.6	42.5
7	37.2	46.0	37.5	38.8	35.2	40.1	38.8	28.3	38.0	33.5	29.1	38.5	40.2	38.4	40.0	42.7	41.1	38.9	36.6	27.9	25.7	28.7	32.2	33.6	36.1
8	37.6	37.5	35.9	53.8	47.5	40.2	46.2	40.2	42.4	42.8	34.7	37.5	37.0	38.2	36.7	37.6	40.3	44.0	37.7	32.9	32.4	33.6	34.7	35.3	39.0
9	36.4	37.0	37.6	37.3	37.6	38.9	37.9	36.4	35.3	38.0	28.5	44.2	45.4	51.0	35.1	41.9	39.2	41.5	36.2	35.3	34.4	34.9	34.9	35.3	37.9
10 D	34.7	34.7	38.0	38.1	37.6	38.2	39.4	34.2	33.7	27.6	35.6	37.3	39.4	20.2	24.3	40.2	44.1	31.4	27.2	28.4	32.3	32.7	34.2	33.6	34.0
11	31.2	32.4	39.0	35.0	41.8	38.8	37.0	37.7	43.7	32.4	47.1	37.9	42.2	38.9	41.2	42.3	43.1	38.5	32.3	32.4	33.3	32.5	34.6	36.0	37.6
12	37.0	37.2	38.2	38.4	38.9	41.5	40.7	41.1	36.3	37.0	36.0	37.5	37.6	37.9	36.3	38.8	38.5	37.5	35.0	32.0	32.4	34.9	35.1	33.6	37.1
13	35.1	36.7	37.5	37.6	37.9	38.8	37.3	38.1	40.1	43.6	38.9	27.5	39.0	40.5	40.3	41.2	38.0	38.2	33.7	30.6	31.6	33.2	34.0	35.3	36.9
14	35.1	36.2	36.3	36.3	36.2	38.6	39.2	37.7	36.6	35.1	31.1	31.5	36.6	38.0	39.2	39.9	37.6	36.7	35.3	34.4	33.7	34.0	34.5	35.1	36.0
15 Q	36.3	36.7	36.8	36.8	37.0	36.4	35.5	35.1	35.6	36.6	36.7	35.5	37.9	40.2	38.5	38.4	38.9	39.2	36.7	35.1	33.8	34.6	34.0	35.0	36.6
16 Q	35.1	35.5	36.0	35.0	35.1	40.2	35.4	35.6	36.0	36.3	36.3	36.4	36.7	37.1	37.7	40.2	40.7	38.0	36.0	33.7	31.2	32.3	29.8	31.1	35.7
17 D	31.5	35.1	35.9	35.4	35.9	50.6	42.0	46.4	38.5	41.1	42.0	50.6	50.0	51.0	40.8	31.4	18.8	23.3	24.5	28.1	30.8	27.7	33.7	36.7	36.7
18	40.5	40.2	38.6	48.8	39.3	36.3	37.7	11.3	35.5	50.3	34.0	53.5	39.6	37.1	40.7	37.9	34.9	35.1	32.4	25.2	27.5	32.7	36.3	37.6	36.8
19	31.1	46.4	41.8	36.3	35.4	35.8	36.4	37.7	38.8	33.3	32.1	41.5	38.6	36.4	39.6	40.6	40.1	37.6	35.8	34.7	33.7	34.1	35.0	35.5	37.0
20	34.9	38.9	37.6	37.7	35.9	36.3	48.6	38.4	34.6	35.0	36.0	37.6	37.9	38.5	39.0	40.2	39.9	38.6	37.6	35.9	32.4	31.1	31.8	32.1	36.9
21	32.4	33.4	38.2	38.9	34.1	35.0	36.2	36.4	35.5	37.9	37.6	39.9	40.2	38.5	38.3	40.1	37.9	36.3	35.7	35.4	40.2	40.0	34.2	33.4	36.9
22	37.3	38.0	38.2	38.1	37.6	37.7	37.9	36.3	37.0	36.8	40.2	38.6	39.2	41.5	42.7	41.2	35.0	34.0	32.4	33.1	33.2	27.5	29.2	32.9	36.5
23	35.0	36.4	39.2	37.6	40.5	40.2	38.6	39.7	34.6	37.5	36.8	39.2	39.4	37.6	41.0	45.5	45.7	42.8	38.5	36.3	35.1	34.1	33.4	31.1	38.2
24 Q	34.3	37.0	37.8	38.1	38.1	39.2	37.4	37.5	37.2	40.1	37.5	37.6	37.5	36.9	37.8	38.8	40.1	38.5	35.5	34.8	33.7	32.4	32.6	33.6	36.8
25	35.0	35.9	36.5	36.5	37.1	36.2	36.2	29.1	31.5	36.2	34.9	37.1	37.2	36.5	37.1	38.8	37.8	35.3	34.1	33.9	33.6	33.7	33.7	34.6	35.4
26 Q	35.3	35.9	36.1	35.9	35.4	36.5	34.9	34.1	34.8	36.3	36.2	37.0	31.5	34.3	37.2	37.5	37.1	36.2	35.4	35.3	34.6	34.6	34.3	34.9	35.6
27	35.9	36.1	36.2	36.1	34.9	40.0	41.7	32.4	33.5	35.9	34.0	37.5	39.2	35.0	37.6	39.3	38.7	35.9	33.6	32.0	30.6	31.0	32.3	33.0	35.5
28 D	34.9	34.9	34.8	25.8	03.1	04.7	10.2	31.7	39.3	55.1	36.5	32.7	37.9	41.3	44.0	40.4	40.1	38.0	21.3	14.1	23.3	23.6	34.0	36.1	30.7
29	36.9	36.2	35.9	34.9	32.5	30.7	35.4	35.9	44.0	37.6	36.5	40.1	44.0	40.4	43.2	43.3	41.4	38.8	37.2	36.2	34.9	33.3	34.6	36.2	37.5
30	36.2	35.7	35.0	35.4	36.5	36.3	36.3	36.7	35.8	36.9	38.7	40.1	38.9	39.3	39.5	42.1	41.1	38.7	35.4	34.4	32.2	30.6	33.0	35.7	36.7
31																									
Mean	35.6	35.4	35.3	36.2	34.9	36.4	37.8	34.8	38.1	38.2	36.5	40.2	41.3	39.7	38.4	39.6	37.9	36.9	34.1	32.5	32.7	32.6	33.7	34.6	36.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Meanook Z = 59,000 γ + November 1941

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	-133	022	-047	-052	-093	056	-186	266	263	261	268	130	023	-125	041	139	135	179	218	229	225	226	226	226	104
2	228	225	225	223	221	219	218	214	212	202	201	202	209	209	213	209	205	202	204	213	222	233	234	234	216
3	223	222	214	213	216	226	229	222	218	215	212	211	206	201	194	196	201	203	205	214	220	221	216	213	213
4 Q	209	214	216	223	239	243	252	231	221	210	217	220	215	212	212	212	210	210	213	215	217	214	212	213	219
5	218	213	213	211	211	212	215	217	216	215	212	210	206	205	205	190	192	211	200	213	216	235	247	238	214
6 D	250	230	224	222	194	133	090	041	231	167	121	004	-193	085	213	165	194	213	241	250	248	255	280	257	171
7	265	252	231	224	179	200	165	052	084	033	065	148	186	212	218	213	204	220	230	228	228	226	232	230	188
8	241	253	287	250	270	250	124	041	125	149	161	191	219	193	171	216	220	217	228	233	217	218	224	228	205
9	229	227	224	222	221	198	197	205	207	186	064	-003	063	109	174	171	208	208	209	217	222	224	225	226	185
10 D	231	231	243	252	251	237	208	164	143	-014	150	209	192	-001	-016	163	198	183	215	226	229	231	236	248	184
11	307	310	277	185	189	237	219	206	162	-054	003	171	165	193	210	225	223	212	225	226	227	231	239	238	201
12	242	234	224	225	231	231	168	199	213	216	220	220	217	216	214	213	215	214	219	223	230	243	244	237	221
13	236	232	231	236	233	222	203	205	140	082	124	133	169	191	194	200	197	200	206	206	209	212	223	223	196
14	222	225	222	218	220	223	210	182	167	161	112	171	197	212	212	213	210	210	212	212	214	217	220	220	203
15 Q	222	221	219	219	217	218	219	212	207	189	184	183	203	207	207	210	209	204	207	213	216	217	218	218	210
16 Q	216	216	217	226	239	243	236	225	215	212	214	215	214	214	215	216	216	213	209	206	206	206	207	211	217
17 D	220	229	230	231	235	160	142	230	206	125	110	126	166	088	129	147	172	205	247	229	246	247	247	237	192
18	251	257	254	251	244	246	228	060	092	073	085	061	163	160	179	197	205	189	206	211	242	242	253	245	191
19	255	335	256	243	250	226	213	211	203	161	130	161	187	216	221	222	220	222	222	225	225	229	240	258	222
20	259	240	221	225	229	231	235	211	217	221	220	219	218	216	217	217	218	216	216	217	220	225	225	223	223
21	233	249	251	250	231	227	225	220	204	203	209	213	214	213	214	213	209	207	219	227	251	253	242	223	225
22	234	229	219	216	216	214	215	193	153	165	198	215	207	193	202	202	210	203	201	206	215	241	255	249	210
23	258	303	314	252	274	267	275	235	100	165	211	196	160	188	210	226	229	223	223	223	224	227	229	231	227
24 Q	231	230	234	230	227	227	227	227	218	211	215	220	223	224	223	226	226	225	225	226	226	228	228	230	225
25	229	229	228	229	223	222	226	180	133	186	211	211	219	217	222	223	216	213	214	220	222	223	222	224	214
26 Q	224	222	221	221	221	220	211	205	205	209	213	214	197	212	219	212	211	212	214	216	218	221	222	222	215
27	220	221	219	219	222	243	229	218	130	139	176	181	176	149	188	203	209	210	210	213	214	215	216	217	202
28 D	220	223	249	226	174	194	072	197	210	-038	142	252	289	270	245	237	224	197	190	241	236	252	237	242	208
29	241	241	236	249	286	270	258	189	103	164	179	232	241	236	234	226	224	226	226	226	224	224	228	232	225
30	236	236	234	234	236	236	237	237	228	226	237	237	229	228	226	223	207	205	208	210	211	221	236	236	227
31																									
Mean	224	232	226	219	217	218	192	190	181	155	169	178	179	178	194	204	207	208	215	220	224	229	232	231	205

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook — November 1941

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	01	41	1099	06	11	-760	1859	05	41	166.0	06	00	-106.9	272.9	11	49	636	06	35	-460	1096
2	14	51	747	21	54	706	41	16	55	41.8	24	00	30.7	11.1	23	04	243	09	23	196	47
3	15	34	760	14	22	708	52	15	05	47.3	23	11	30.5	16.8	06	11	238	15	04	183	55
4 Q	04	48	768	08	39	703	65	15	29	41.3	03	23	26.8	14.5	05	47	265	09	00	189	76
5	23	47	812	20	54	630	182	16	59	45.3	20	09	23.9	21.4	21	38	271	16	01	177	94
6 D	14	46	861	08	27	-237	1098	12	23	112.1	07	16	-106.7	218.8	08	10	459	07	06	-439	898
7	00	36	791	07	09	336	455	04	30	54.1	04	56	05.6	48.5	00	51	293	09	10	-97	310
8	02	47	958	09	04	343	615	06	59	70.1	09	49	14.8	55.3	02	44	324	07	08	-24	348
9	05	43	781	10	51	473	308	13	16	59.6	10	15	19.4	40.2	15	56	258	11	23	-69	327
10 D	05	58	780	13	42	408	372	16	41	47.0	13	52	01.2	45.8	24	00	280	09	18	-99	379
11	03	58	1068	09	16	225	843	04	00	71.9	14	17	-29.7	101.6	01	23	336	09	28	-228	564
12	05	54	765	07	18	703	62	05	59	61.0	19	50	30.4	30.6	21	39	257	06	07	136	121
13	16	44	762	11	50	605	157	09	03	45.7	11	32	17.1	28.6	00	40	237	09	27	54	183
14	12	53	762	10	27	671	91	05	25	46.7	10	15	28.5	18.2	05	22	231	10	29	85	146
15 Q	16	31	761	11	32	719	42	17	18	41.4	07	10	33.7	07.7	00	28	222	11	34	177	45
16 Q	23	41	782	21	06	727	55	05	45	41.8	22	50	28.5	13.3	05	07	260	21	00	206	54
17 D	05	46	856	08	39	87	769	13	08	72.4	08	34	-03.7	76.1	08	40	366	08	59	04	362
18	22	17	789	09	36	37	752	09	43	77.2	07	41	-15.4	92.6	03	15	277	07	12	-114	391
19	01	15	850	10	01	552	298	11	28	47.7	00	45	27.6	20.1	01	16	395	09	48	88	307
20	07	26	796	19	25	715	81	06	42	60.0	21	50	29.4	30.6	00	41	263	07	04	197	66
21	02	51	767	18	10	703	64	03	03	46.7	01	15	29.3	17.4	02	47	287	08	28	199	88
22	22	50	773	20	59	685	88	14	52	45.1	21	12	25.1	20.0	22	51	274	08	24	127	147
23	03	40	1194	08	26	516	678	03	32	57.6	03	46	18.8	38.8	01	44	378	08	37	28	350
24 Q	02	38	770	19	07	730	40	09	31	41.8	21	52	31.3	10.5	02	20	237	09	54	196	41
25	15	35	776	08	17	595	181	16	00	41.0	07	44	22.9	18.1	00	31	231	08	20	102	129
26 Q	13	20	769	12	16	713	56	06	06	40.5	12	26	28.9	11.6	00	05	227	12	48	181	46
27	06	10	844	08	25	585	259	05	59	59.3	06	54	25.8	33.5	07	14	283	07	56	95	188
28 D	04	01	1287	09	54	-62	1349	09	21	125.5	04	11	-38.3	163.8	18	41	644	09	40	-454	1098
29	01	40	767	10	16	634	133	08	07	58.5	10	43	29.7	28.8	04	25	301	08	00	38	263
30	22	36	753	20	45	718	35	16	48	43.9	21	05	28.9	15.0	22	33	245	17	12	202	43
31																					
Mean			842			472	370			60.3			09.6	50.7			307			32	275
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 1941

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	756	767	751	774	776	774	804	817	806	783	285	245	660	350	-129	343	553	750	687	696	799	831	817	864	648
2 D	843	762	772	846	763	925	684	768	698	712	632	716	665	649	691	717	716	698	712	715	724	732	732	735	734
3	735	739	731	731	730	732	731	730	729	730	733	736	737	736	736	734	726	726	725	728	720	717	725	740	731
4	734	745	769	753	757	752	734	718	685	665	673	544	614	696	704	743	738	738	702	702	708	747	742	735	712
5	743	747	750	755	753	762	760	762	745	752	738	738	737	734	745	755	751	737	711	735	736	727	726	738	743
6	766	771	766	750	746	756	742	730	689	729	748	754	759	756	756	753	735	738	733	733	735	737	739	748	745
7	752	750	746	754	749	748	740	737	731	702	699	699	764	754	750	745	737	732	728	725	731	737	744	733	737
8	748	746	744	742	751	744	738	734	743	744	737	740	749	749	746	738	735	734	735	743	747	741	734	743	742
9	751	753	752	751	749	748	745	756	757	752	735	740	741	742	743	743	742	737	737	740	739	742	743	739	745
10	749	760	752	747	750	761	751	746	711	734	726	742	731	733	735	736	752	749	742	741	740	743	742	744	742
11 Q	749	749	748	744	744	743	746	746	743	731	743	749	755	750	752	755	751	745	742	748	746	745	746	751	747
12 Q	753	756	753	749	748	746	750	752	753	750	748	738	752	753	759	752	750	744	736	736	742	745	745	752	748
13	756	756	761	760	756	752	754	746	743	743	751	760	736	749	747	750	734	717	705	727	743	744	742	741	745
14 D	734	740	788	804	750	742	723	648	698	439	542	689	695	669	593	696	732	752	733	725	743	723	745	754	702
15	761	753	749	751	752	758	743	747	746	745	747	749	747	730	740	748	753	750	745	740	741	739	749	749	747
16 D	751	754	742	825	834	853	780	742	747	743	745	751	753	749	751	751	750	741	734	734	739	740	742	745	758
17	756	762	758	756	759	752	760	772	713	725	725	758	755	752	749	745	743	725	735	733	723	739	732	751	745
18	769	758	752	750	758	786	759	713	639	484	590	677	761	765	759	753	749	741	739	749	749	757	751	754	728
19	760	762	761	755	752	752	751	748	743	738	714	747	759	759	750	742	751	747	734	736	738	742	747	755	748
20 Q	754	754	766	761	761	759	752	750	750	748	731	737	750	756	752	738	756	746	741	741	741	744	749	758	750
21 Q	759	764	761	759	758	755	754	751	750	752	751	753	759	759	759	754	750	747	747	747	746	747	750	757	754
22	761	764	767	759	751	751	751	751	752	752	752	757	760	758	764	765	760	747	739	741	742	743	749	756	754
23	759	768	765	756	755	748	747	750	755	754	755	759	741	748	734	676	712	605	717	759	763	768	758	741	741
24	738	738	739	746	746	747	745	754	756	749	744	756	749	746	736	739	739	752	754	750	744	741	746	745	746
25 Q	751	759	759	758	756	755	754	753	760	756	758	762	758	760	760	760	753	745	744	742	744	747	751	756	754
26	767	766	767	767	765	771	764	758	756	753	758	759	758	746	758	767	766	758	757	758	754	748	744	747	759
27 D	760	753	768	787	772	755	751	743	740	727	717	733	714	753	757	753	753	753	741	742	748	746	748	743	748
28	757	763	766	761	770	760	754	754	751	745	743	750	754	753	753	752	752	742	745	749	745	741	752	756	753
29	726	762	763	752	754	756	756	749	731	732	757	751	747	749	752	756	750	744	745	744	744	729	739	741	747
30	753	760	756	756	755	756	756	754	751	749	752	753	749	765	756	754	751	728	727	754	752	750	745	756	752
31	758	763	760	763	764	761	759	760	758	758	758	759	759	759	758	754	738	746	759	751	749	754	758	763	757
Mean	755	756	758	762	758	763	750	746	736	722	709	719	738	730	713	731	738	736	733	738	742	745	746	751	741

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46 Meanook D = 25°E + ... ′ December 1941

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	34.5	36.5	36.2	38.3	33.5	35.9	41.7	42.1	50.5	22.2	40.5	46.7	56.9	68.1	33.2	69.2	54.8	26.6	28.0	29.7	27.0	32.6	32.3	33.7	39.6
2 D	41.0	40.1	36.6	51.0	57.0	56.1	32.6	21.4	29.3	34.3	31.9	42.4	42.2	38.0	43.0	47.0	45.8	40.4	31.3	27.5	30.0	32.4	34.8	36.5	38.4
3	36.2	36.3	36.7	43.0	34.9	34.9	33.7	33.6	33.7	34.4	34.9	35.4	35.5	36.1	36.9	38.5	41.5	38.8	32.7	31.8	30.6	26.6	29.4	29.7	34.8
4	32.9	34.5	37.8	42.2	40.8	34.4	36.1	37.4	40.1	30.9	38.8	40.1	40.5	37.6	39.8	43.6	40.1	32.8	29.8	26.7	29.7	30.7	33.2	36.2	36.1
5	37.4	39.5	38.8	38.4	39.6	38.0	35.4	37.5	41.1	37.1	37.2	38.7	40.1	38.5	39.3	40.1	41.0	38.5	37.8	30.2	32.3	30.3	29.4	30.7	37.0
6	37.2	38.0	37.5	37.4	40.9	43.3	35.9	38.8	35.0	37.5	37.5	37.5	37.4	38.8	37.5	37.5	36.1	33.6	31.0	32.3	32.3	33.7	34.8	34.9	36.5
7	34.9	36.1	39.1	41.0	37.5	36.2	34.9	35.0	34.9	37.2	37.5	41.3	39.2	40.0	38.4	38.5	37.8	34.8	31.9	30.0	30.1	30.0	33.5	34.3	36.0
8	36.0	37.7	37.1	37.3	40.0	36.1	35.8	35.1	35.7	32.2	35.4	35.8	38.6	38.7	39.4	38.7	37.3	31.2	28.7	29.7	31.9	32.2	32.3	32.5	35.2
9	36.8	36.9	36.5	36.5	36.1	35.7	39.0	39.9	33.5	33.8	35.2	35.7	36.6	37.4	38.2	39.0	37.8	35.7	33.5	33.2	32.2	32.1	33.5	35.7	35.8
10	35.3	34.7	35.4	38.4	42.5	36.5	35.6	35.6	33.5	33.4	35.6	37.4	33.5	34.5	34.2	31.9	34.8	34.5	33.5	33.6	33.6	33.8	33.9	34.4	35.0
11 Q	34.9	35.3	35.6	36.4	36.1	35.7	35.1	35.4	34.8	30.6	36.5	37.9	37.7	37.0	36.5	36.2	36.1	36.2	35.3	34.5	33.8	33.9	34.4	34.5	35.4
12 Q	34.9	35.2	35.4	37.3	37.4	36.1	36.0	35.7	34.9	35.1	35.8	38.8	42.7	37.5	37.3	35.1	36.9	36.1	34.5	33.5	33.1	33.2	33.6	34.5	35.8
13	35.1	35.1	35.8	36.1	36.9	37.1	37.4	34.5	34.3	34.7	35.6	37.7	38.0	40.3	33.0	34.3	33.1	29.5	23.1	18.6	27.0	32.3	34.2	33.8	33.6
14 D	31.9	32.3	31.9	54.2	33.8	32.8	40.7	41.0	37.4	38.0	30.0	49.4	40.6	33.2	31.3	25.7	30.0	32.1	30.6	30.9	32.3	30.2	29.6	34.9	34.8
15	33.8	36.4	36.9	38.3	36.9	40.8	32.7	36.4	35.6	34.7	34.9	35.7	34.7	32.3	32.2	34.4	37.9	37.1	34.3	34.7	31.9	32.7	33.9	34.8	35.2
16 D	35.2	36.5	40.5	42.0	43.2	33.8	31.3	35.3	35.7	36.4	40.1	37.7	36.8	36.5	37.4	38.2	36.9	35.2	33.5	32.2	32.1	32.3	33.2	33.5	36.1
17	34.3	35.3	34.4	32.2	33.8	33.2	34.7	23.5	44.2	36.5	41.6	36.9	38.6	36.4	37.5	38.4	39.5	32.7	26.1	27.8	27.0	29.6	31.0	35.2	34.2
18	35.2	33.5	34.7	35.7	34.3	42.9	39.9	32.2	46.8	44.8	29.1	39.2	37.9	38.7	38.0	40.5	39.9	37.8	34.0	32.3	30.6	32.2	33.8	34.3	36.6
19	34.8	34.8	35.1	35.4	35.7	34.3	33.8	34.9	37.0	37.1	33.8	44.0	41.0	40.3	39.9	37.1	37.4	34.5	32.1	30.6	29.1	29.6	30.2	33.6	35.2
20 Q	34.5	36.9	35.7	35.1	36.0	35.6	34.5	33.8	34.0	34.9	33.1	36.5	40.0	40.3	39.1	36.9	39.5	36.1	33.0	32.7	31.8	32.1	32.2	32.5	35.3
21 Q	33.5	34.5	34.8	35.8	35.4	34.7	35.8	33.4	33.9	34.0	34.7	36.0	36.1	37.0	37.0	37.0	37.1	35.8	32.6	30.5	30.5	30.6	31.4	32.2	34.3
22	34.3	35.3	34.4	34.8	35.8	35.6	34.8	34.8	34.3	34.0	34.0	34.4	34.4	33.1	36.0	36.9	37.7	35.3	31.7	31.9	31.4	31.7	31.5	32.2	34.2
23	34.2	36.0	36.6	39.4	36.4	35.6	36.9	35.3	35.6	34.0	34.2	34.3	31.3	34.2	35.3	37.8	34.0	26.0	29.2	32.2	31.9	31.4	30.2	31.6	33.9
24	31.4	34.3	35.4	37.0	39.4	35.8	36.9	36.1	36.5	35.1	46.3	39.9	36.4	42.5	38.4	36.6	35.9	34.5	33.1	32.1	32.5	32.3	31.9	33.3	36.0
25 Q	34.8	35.1	35.4	35.3	35.1	37.9	36.6	35.6	34.3	34.5	34.8	35.6	36.6	35.4	36.1	37.0	37.7	37.4	36.5	35.2	34.5	33.2	33.5	33.5	35.5
26	33.1	34.2	34.3	34.5	34.2	37.4	34.4	35.2	34.5	35.6	35.1	34.8	35.7	36.1	36.2	38.4	40.8	37.4	35.4	34.0	31.4	31.7	31.2	33.2	35.0
27 D	32.2	31.5	34.3	29.6	37.1	39.2	40.0	38.3	36.9	35.4	31.4	37.4	31.5	39.2	37.9	37.1	38.2	37.3	34.0	33.1	33.1	29.6	30.9	29.5	34.8
28	29.3	30.4	32.7	33.4	29.3	34.3	36.8	34.4	33.5	35.4	36.6	36.5	35.6	34.8	35.4	36.1	36.8	37.0	35.6	34.5	31.9	31.7	31.6	31.9	34.0
29	30.1	30.1	32.2	35.2	36.4	36.6	35.4	35.6	32.6	37.1	35.6	35.4	36.1	35.3	36.9	37.4	36.4	34.8	34.7	33.0	31.6	31.9	30.2	32.2	34.3
30	30.9	32.9	35.6	36.1	35.7	35.4	34.8	34.5	37.0	35.6	35.6	36.1	34.2	35.3	37.0	39.4	41.3	35.8	28.3	31.6	31.9	32.9	31.6	32.2	34.6
31	30.2	30.5	35.3	36.0	35.8	35.4	34.7	34.3	34.4	34.4	34.5	34.5	34.7	34.5	36.1	37.7	35.8	30.1	32.9	32.2	33.4	34.0	34.5	34.0	34.2
Mean	34.2	35.0	35.8	37.8	37.3	37.0	35.9	35.0	36.3	34.9	35.7	38.0	37.8	38.0	36.9	38.5	38.2	34.7	32.2	31.4	31.4	31.7	32.3	33.4	35.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook $Z = 59,000\ \gamma +$ December 1941

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	234	241	239	247	255	261	268	303	210	111	-003	271	177	333	258	426	373	245	274	300	314	338	321	324	263
2 D	312	321	316	252	249	273	230	161	200	264	214	230	212	203	203	227	217	224	233	230	243	248	257	262	241
3	275	278	268	259	249	246	243	240	238	238	236	235	233	233	233	233	228	225	222	244	248	251	248	249	244
4	238	246	244	280	263	241	229	177	165	117	155	132	154	188	198	209	207	197	201	201	226	254	248	243	209
5	242	242	241	243	251	262	269	264	223	237	233	259	232	218	227	237	214	210	217	235	259	243	241	250	240
6	247	242	236	245	238	239	238	214	148	188	219	231	226	220	216	217	213	219	219	225	231	239	237	237	224
7	238	235	239	240	238	234	233	224	204	123	165	163	230	224	226	223	217	215	217	224	226	231	237	235	218
8	253	251	240	236	235	226	211	214	215	215	215	216	216	217	217	222	215	219	233	234	230	233	233	234	226
9	250	247	242	240	237	237	236	221	229	241	223	223	222	222	221	221	226	227	233	237	238	238	238	241	233
10	239	242	242	247	250	238	233	227	185	190	207	218	210	202	194	191	196	208	217	224	231	233	232	232	220
11 Q	233	231	231	232	232	232	229	226	216	193	208	222	223	220	218	223	223	224	229	230	231	231	230	230	229
12 Q	230	230	231	234	236	234	230	221	219	223	223	217	215	220	210	212	219	221	229	232	234	236	235	235	226
13	236	238	236	235	234	235	236	235	219	223	223	220	179	185	181	172	184	202	214	240	251	246	242	250	222
14 D	268	284	264	281	256	240	205	227	193	038	003	171	186	169	114	214	202	215	221	237	270	297	280	260	212
15	260	259	260	264	257	241	199	224	239	235	241	239	237	222	218	226	240	235	238	242	244	248	250	251	240
16 D	248	253	282	309	219	333	297	256	250	240	234	229	234	235	239	237	239	240	241	243	243	243	243	244	251
17	250	246	246	256	259	266	277	217	218	235	209	251	239	242	237	235	232	227	227	235	235	246	253	271	242
18	263	256	256	257	267	273	282	207	082	327	195	215	255	243	243	236	239	240	239	239	242	245	246	246	241
19	252	251	248	247	248	249	251	256	248	240	206	204	231	231	230	229	234	231	234	238	246	247	248	253	240
20 Q	258	254	258	250	247	246	245	243	242	243	234	230	239	243	239	238	244	240	240	242	246	248	248	248	244
21 Q	249	246	245	245	245	245	242	237	241	246	249	244	243	243	242	241	240	239	240	242	245	246	246	247	244
22	250	251	251	250	249	248	246	245	244	243	242	241	238	235	240	241	241	242	242	241	241	242	248	250	244
23	250	249	250	257	258	255	253	250	244	242	239	237	203	203	212	224	220	216	224	234	241	244	250	256	238
24	267	266	261	264	265	257	245	237	219	133	126	151	147	218	216	230	233	240	244	247	249	254	259	257	228
25 Q	254	254	254	256	256	257	259	254	252	251	252	252	248	251	251	251	249	251	251	251	252	252	254	254	253
26	251	249	250	252	255	271	283	261	255	252	253	251	245	231	239	247	242	245	242	245	245	246	252	277	252
27 D	267	281	316	314	297	277	278	258	249	233	206	216	179	215	244	244	234	241	241	244	245	247	249	260	251
28	278	268	276	288	299	280	272	258	252	248	245	247	256	257	252	250	247	241	249	251	251	255	261	259	260
29	267	272	272	275	279	287	279	260	190	249	258	257	252	253	256	253	252	258	257	254	258	259	271	267	260
30	260	266	263	263	256	255	255	255	254	253	246	245	232	245	238	239	241	233	229	225	228	229	230	236	245
31	239	243	241	233	230	229	230	230	230	230	229	227	225	224	222	214	201	191	209	217	226	231	233	233	226
Mean	254	255	255	256	252	254	248	236	218	216	206	224	220	227	224	234	231	228	236	238	244	248	249	251	238

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook December 1941

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	23	36	1043	14	36	-586	1629	14	30	149.3	14	12	-14.8	164.1	14	44	829	10	04	-443	1272
2 D	05	48	1205	06	15	401	804	06	01	82.3	07	56	-17.4	99.7	00	06	374	07	43	38	336
3	23	33	751	21	18	669	82	03	30	49.6	21	14	23.5	26.1	01	45	281	18	18	209	72
4	02	26	806	11	18	465	341	12	42	51.5	12	10	21.1	30.4	03	24	298	11	00	65	233
5	19	54	791	18	55	679	112	08	00	57.8	19	53	21.5	36.3	20	14	297	08	18	200	97
6	00	56	820	08	23	646	174	05	06	54.4	18	52	27.5	26.9	05	52	256	08	23	93	163
7	12	15	768	11	05	645	123	03	05	50.1	09	01	26.5	23.6	03	05	247	09	08	43	204
8	11	55	762	07	55	720	42	04	05	45.5	18	05	25.7	19.8	00	58	256	16	28	202	54
9	07	00	770	10	45	719	51	07	15	48.6	21	25	31.2	17.4	00	23	254	07	28	206	48
10	01	07	767	08	38	688	79	04	36	49.1	15	40	29.6	19.5	04	33	262	08	26	163	99
11 Q	14	28	760	09	12	716	44	12	12	39.9	09	13	25.7	14.2	00	30	233	09	20	176	57
12 Q	13	45	766	18	25	734	32	12	05	43.9	20	50	32.2	11.7	03	51	241	15	02	203	38
13	13	06	797	18	57	696	101	13	15	45.8	19	19	16.1	29.7	20	35	261	12	43	138	123
14 D	02	53	938	09	44	145	793	03	38	66.0	10	03	-18.0	84.0	03	04	366	09	59	-154	520
15	05	50	793	13	45	705	88	05	35	45.7	06	20	27.5	18.2	00	24	275	06	11	163	112
16 D	04	11	993	03	59	687	306	03	53	85.0	04	15	01.9	83.1	03	57	382	04	27	35	347
17	07	16	871	10	12	671	200	08	50	49.0	07	26	06.2	42.8	07	14	303	07	23	159	144
18	05	44	832	09	25	376	456	08	52	63.3	07	49	18.6	44.7	09	28	450	08	52	13	437
19	12	16	769	10	38	696	73	11	35	45.8	20	30	27.0	18.8	23	55	259	11	11	177	82
20 Q	02	30	770	10	53	719	51	16	28	43.1	10	50	29.9	13.2	02	05	265	11	26	222	43
21 Q	01	25	766	19	12	740	26	06	48	39.4	19	40	29.0	10.4	10	41	251	07	02	230	21
22	13	40	770	18	59	730	40	15	05	38.7	18	52	29.0	09.7	00	45	256	13	38	229	27
23	18	48	772	17	37	501	271	03	43	41.9	17	26	21.1	20.8	23	57	268	12	40	181	87
24	08	28	766	14	37	720	46	10	39	48.1	11	57	23.6	24.5	00	11	273	09	43	37	236
25 Q	15	13	766	19	30	737	29	05	46	47.5	21	00	32.2	15.3	06	45	265	12	25	243	22
26	05	43	793	13	58	727	66	05	30	45.2	05	50	28.3	16.9	06	05	298	14	00	219	79
27 D	03	16	799	12	28	688	111	05	51	42.0	23	47	26.0	16.0	02	32	322	12	26	162	160
28	04	06	782	10	02	725	57	10	14	39.4	04	08	24.8	14.6	03	56	306	11	12	233	73
29	08	22	827	08	10	689	138	16	00	39.5	08	32	26.4	13.1	04	50	290	08	34	123	167
30	13	03	769	17	55	705	64	16	08	42.2	00	08	23.1	19.1	01	25	272	12	50	213	59
31	00	08	772	16	54	720	52	16	00	39.5	17	05	29.0	10.5	01	27	246	17	37	184	62
Mean			818			609	209			52.2			20.4	31.8			304			128	176
No. days			31			31	31			31			31	31			31			31	31

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day adjusted for non-cyclic change

Table 49 Meanook — HORIZONTAL INTENSITY (gammas) (All Days) — 1940

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+24.4	+25.7	+29.3	+31.0	+32.7	+25.4	+25.6	+15.8	-14.1	-15.9	-20.9	-19.9	-28.1	-38.3	-30.3	-30.0	-30.8	-7.7	-5.8	-3.9	+1.2	+4.8	+11.1	+18.6
February	+20.9	+19.6	+27.3	+33.6	+29.9	+30.1	+24.6	+15.0	-10.3	-29.2	-31.2	-35.5	-29.8	-27.9	-18.4	-4.7	-2.5	-2.5	-3.9	-6.3	-9.5	-2.9	+3.4	+9.3
March	+91.1	+81.6	+69.4	+54.1	+18.0	+7.9	+43.3	+5.9	-37.0	-85.2	-119.9	-88.3	-45.4	-31.6	-49.2	-44.8	-45.8	-21.4	-4.0	+8.4	+14.7	+41.2	+57.4	+79.8
April	+47.6	+44.6	+32.8	+29.4	+11.5	+10.3	-16.7	-29.2	-29.7	-53.8	-44.5	-21.2	-9.7	-12.3	-3.6	-0.5	+1.3	-5.0	-11.3	-3.1	-0.5	+9.9	+20.2	+34.5
May	+50.9	+39.2	+37.8	+41.4	+28.0	+20.2	-7.3	-7.0	-46.7	-60.2	-56.9	-44.7	-27.3	-17.3	+1.4	+6.0	-0.2	-7.0	-10.4	-6.0	-0.2	+9.4	+23.2	+33.8
June	+52.7	+67.0	+56.7	+65.3	+39.1	+9.7	-12.6	-17.3	-56.4	-61.2	-43.3	-22.4	-30.2	-23.9	-7.9	-9.6	-11.7	-15.8	-25.4	-19.5	-8.8	+9.3	+25.0	+42.3
July	+39.6	+36.3	+36.3	+34.2	+28.1	+16.1	-26.0	-16.1	-27.2	-57.9	-30.3	-22.7	-33.9	-24.4	+7.0	+16.0	+4.8	-2.1	-6.1	-8.4	-7.9	-0.6	+13.6	+32.0
August	+32.9	+30.8	+30.1	+27.3	+25.3	+20.2	+10.9	+3.9	-20.7	-60.1	-50.1	-31.1	-26.9	-22.5	-8.6	+9.8	-0.5	-9.8	-14.4	-7.8	-0.3	+9.2	+21.4	+29.6
September	+31.0	+38.1	+38.8	+36.8	+28.7	+20.6	+0.9	+0.4	+0.5	-23.3	-60.2	-55.9	-14.3	-20.3	-13.4	-9.0	-9.6	-23.6	-23.6	-6.8	+3.8	+13.9	+20.2	+26.8
October	+28.9	+35.0	+34.2	+39.3	+30.9	+40.8	+10.7	-33.3	-27.8	-57.2	-36.0	-42.9	-40.5	-9.3	+1.4	+0.9	-12.1	-12.4	-9.2	-4.6	+7.4	+18.2	+18.9	+18.4
November	+36.6	+40.3	+38.9	+47.7	+45.6	+42.6	+25.8	-34.2	-73.3	-93.0	-82.2	-48.1	-42.2	-14.5	-11.5	+12.1	+4.9	+6.5	+6.1	+7.6	+12.0	+16.0	+23.9	+31.7
December	+27.4	+25.8	+28.9	+28.9	+30.1	+33.7	+20.1	-9.8	-21.7	-31.6	-60.5	-64.7	-43.3	-16.8	+10.0	+2.7	+3.2	+2.0	+1.0	+1.6	+3.9	+2.7	+7.7	+17.6
Year	+40.3	+40.3	+38.4	+39.1	+29.0	+23.2	+8.3	-8.8	-30.4	-52.4	-53.0	-41.4	-31.0	-21.6	-10.3	-4.3	-8.1	-8.2	-8.9	-4.1	+1.3	+10.9	+20.5	+31.2
Winter	+27.3	+27.8	+31.1	+35.3	+34.6	+33.0	+24.0	-3.3	-29.8	-42.4	-48.7	-42.0	-35.8	-24.4	-12.6	-5.0	-6.3	-0.4	-0.6	-0.3	+1.9	+5.2	+11.5	+19.3
Equinox	+49.6	+49.8	+43.8	+39.9	+22.3	+19.9	+9.6	-14.0	-23.5	-54.9	-65.2	-52.1	-27.5	-18.4	-16.2	-13.4	-16.6	-15.6	-12.0	-1.5	+6.4	+20.8	+29.2	+39.9
Summer	+44.0	+43.3	+40.2	+42.0	+30.8	+16.6	-8.8	-9.1	-37.8	-59.8	-45.2	-30.2	-29.6	-22.0	-2.0	+5.6	-1.4	-8.7	-14.1	-10.4	-4.3	+6.8	+20.8	+34.4

Table 50 Meanook — DECLINATION (minutes) (All Days) — 1940

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-2.20	-1.42	-0.58	+0.96	+2.60	-0.06	-0.08	-0.59	-2.11	+1.35	+3.40	+3.05	+3.93	+4.19	+3.30	+3.54	+1.40	-0.42	-2.54	-3.15	-4.50	-4.68	-3.19	-1.94
February	-2.18	-1.62	-1.29	-0.38	+0.70	+0.30	-0.71	-1.14	-0.34	+0.35	+3.32	+4.51	+4.59	+2.32	+1.31	+1.43	+1.83	+0.83	-0.32	-1.51	-3.15	-3.33	-2.98	-2.46
March	-5.13	-4.48	-3.26	-5.94	-6.72	-7.29	-3.95	-2.83	-1.40	-4.78	+5.15	+1.81	+1.76	+4.33	+4.56	+7.77	+13.39	+10.08	+6.08	+0.96	-1.39	-2.37	-2.75	-3.41
April	-5.67	-5.07	-2.90	-1.87	-0.83	-2.87	-1.79	-0.37	-1.73	+0.14	+0.80	+1.49	+4.37	+5.81	+8.11	+8.36	+7.88	+5.62	+2.59	-0.56	-4.33	-5.29	-5.81	-5.90
May	-6.82	-5.67	-4.12	-2.16	-1.63	-2.52	-1.26	-0.57	-1.79	+0.75	+2.34	+2.85	+5.68	+8.51	+9.70	+9.22	+8.01	+5.34	+1.00	-2.64	-4.91	-6.28	-6.52	-6.46
June	-5.49	-4.68	-3.03	-3.51	-3.54	-2.63	-0.49	-0.53	-2.18	-0.60	+0.89	+1.61	+4.46	+7.27	+10.36	+10.61	+9.32	+6.42	+2.68	-1.92	-5.71	-6.37	-6.77	-6.02
July	-5.36	-3.72	-1.98	-1.42	0.00	-1.49	-1.58	-0.80	-2.79	-1.92	-0.52	+0.38	+4.79	+7.15	+9.28	+10.26	+9.98	+6.38	+2.53	-2.01	-5.73	-7.37	-7.37	-6.68
August	-4.54	-3.34	-2.36	-1.67	-0.89	+0.13	-0.96	+0.14	-0.56	-0.11	+0.62	+1.42	+3.63	+7.26	+9.51	+9.92	+8.29	+5.08	+0.58	-4.55	-6.74	-7.58	-7.03	-6.09
September	-2.54	-2.71	-2.24	-1.76	-2.94	-2.09	-2.91	-0.87	+0.85	+0.35	+1.95	+1.88	+4.14	+5.19	+6.77	+7.23	+5.49	+3.84	+1.11	-3.75	-4.93	-4.79	-3.87	-3.19
October	-3.31	-2.10	-1.49	-1.40	-0.91	-2.43	-1.68	-0.26	+2.39	+1.84	+3.60	+4.25	+3.79	+4.04	+4.30	+4.84	+2.90	+1.29	-1.28	-3.00	-4.05	-3.72	-4.04	-3.43
November	-1.82	-1.35	-0.61	-0.99	-1.01	+1.27	-0.45	-0.52	-0.33	+0.87	+2.79	+5.36	+6.56	+4.18	+1.54	+3.44	+2.00	-0.55	-2.78	-3.60	-3.75	-3.81	-3.35	-3.00
December	-1.35	+0.30	+0.63	+1.94	+2.08	+1.55	+1.35	-0.33	-1.25	+0.70	-0.32	+3.08	+2.82	+1.07	+0.31	+0.55	+0.73	-0.91	-2.10	-2.28	-2.19	-2.11	-2.47	-1.74
Year	-3.87	-2.99	-1.93	-1.52	-1.09	-1.51	-1.21	-0.72	-0.94	-0.09	+2.00	+2.64	+4.21	+5.11	+5.76	+6.43	+5.94	+3.58	+0.63	-2.34	-4.28	-4.81	-4.68	-4.19
Winter	-1.89	-1.02	-0.46	+0.38	+1.09	+0.76	+0.03	-0.64	-1.01	+0.82	+2.30	+4.00	+4.48	+2.94	+1.62	+2.24	+1.49	-0.26	-1.94	-2.64	-3.40	-3.48	-3.00	-2.28
Equinox	-4.16	-3.59	-2.47	-2.74	-2.85	-3.67	-2.58	-1.08	+0.03	-0.61	+2.88	+2.36	+3.52	+4.84	+5.94	+7.05	+7.42	+5.21	+2.12	-1.59	-3.68	-4.04	-4.12	-3.98
Summer	-5.55	-4.35	-2.87	-2.19	-1.52	-1.63	-1.07	-0.44	-1.83	-0.47	+0.83	+1.56	+4.64	+7.55	+9.71	+10.00	+8.90	+5.80	+1.70	-2.78	-5.77	-6.90	-6.92	-6.31

Table 51 Meanook — VERTICAL INTENSITY (gammas) (All Days) — 1940

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	+27.0	+31.0	+35.4	+37.2	+31.7	+19.7	+11.7	+6.7	-15.7	-14.5	-23.2	-34.6	-47.5	-52.5	-39.8	-11.5	-28.2	-9.5	+1.7	+8.1	+13.5	+15.2	+17.6	+19.6
February	+29.9	+27.6	+25.7	+30.0	+29.6	+28.9	+15.4	-0.3	-15.8	-26.0	-44.7	-43.0	-35.3	-33.3	-30.5	-21.1	-12.7	-5.5	+2.1	+6.8	+11.8	+16.3	+19.8	+24.3
March	+4.3	-7.1	-4.6	-4.6	-16.7	-7.0	+9.8	-9.3	-5.0	-40.6	-35.4	-2.1	+12.4	-3.1	-38.7	+8.9	+25.7	+19.8	+21.9	+10.3	+15.5	+15.7	+21.4	+8.9
April	+27.8	+27.0	+17.6	+12.0	+2.0	+7.5	-10.7	-11.4	-15.5	-55.1	-37.4	-30.5	-25.1	-26.4	-23.3	-9.7	+2.7	+6.9	+9.0	+20.0	+27.4	+25.8	+28.7	+31.3
May	+34.6	+38.3	+40.2	+33.0	+11.9	+1.8	-19.9	-22.8	-45.4	-51.0	-33.4	-28.8	-18.0	-19.6	-15.6	-7.0	-1.5	-0.4	-0.6	+4.8	+14.3	+23.4	+29.3	+31.8
June	+40.8	+48.4	+40.9	+31.2	+11.3	+9.5	-3.9	-19.4	-42.9	-49.3	-40.4	-36.2	-31.0	-17.9	-12.2	-2.9	-10.8	-7.8	-5.0	+5.4	+11.3	+20.8	+26.9	+33.5
July	+39.9	+42.0	+42.4	+36.4	+21.5	+11.0	-22.2	-19.1	-34.0	-65.4	-46.4	-29.2	-29.9	-32.6	-15.9	-6.5	-6.4	-2.3	+1.9	+6.6	+13.1	+22.3	+32.5	+39.6
August	+39.9	+38.9	+39.2	+34.2	+25.4	+6.3	-7.5	-9.8	-30.5	-55.1	-55.5	-40.9	-36.2	-35.0	-30.4	-8.8	-6.6	-2.5	+3.8	+14.5	+19.4	+25.4	+33.6	+38.1
September	+32.3	+34.3	+21.2	+15.8	+15.0	+5.4	-5.0	+1.2	-13.6	-39.5	-44.4	-45.6	-33.6	-28.2	-24.1	-19.1	-9.7	-1.1	+10.1	+17.6	+23.1	+27.3	+29.3	+30.6
October	+32.6	+32.3	+26.9	+22.1	+21.6	+14.2	-6.3	-19.6	-22.3	-28.9	-40.9	-47.7	-46.4	-34.4	-15.7	-13.3	-10.0	-0.1	+10.4	+19.3	+24.9	+28.2	+26.6	+26.2
November	+30.1	+27.4	+28.6	+25.7	+26.0	+11.8	+3.7	-27.0	-42.6	-45.6	-32.1	-39.6	-39.5	-29.2	-17.1	-10.3	-7.0	+3.4	+9.4	+16.0	+21.0	+25.8	+29.5	+31.8
December	+31.8	+33.3	+32.5	+30.3	+28.3	+28.0	+20.5	-13.1	-32.6	-42.3	-55.6	-52.5	-48.7	-37.2	-18.9	-13.7	-5.1	-1.5	+4.8	+12.9	+16.9	+21.7	+27.0	+32.1
Year	+30.9	+31.1	+28.9	+25.3	+17.3	+11.5	-1.2	-12.0	-26.3	-42.8	-40.8	-35.9	-31.6	-29.1	-23.5	-9.6	-5.8	0.0	+5.8	+11.9	+17.7	+22.3	+26.9	+29.0
Winter	+29.7	+29.8	+30.6	+30.8	+28.9	+22.1	+12.8	-8.4	-26.7	-32.1	-38.9	-42.4	-42.8	-38.0	-26.6	-14.2	-13.2	-3.3	+4.5	+11.0	+15.8	+19.8	+23.5	+27.0
Equinox	+24.2	+21.6	+15.3	+11.3	+5.5	+5.1	-3.0	-9.8	-14.1	-41.0	-39.5	-31.5	-23.2	-23.0	-25.4	-8.3	+2.2	+6.4	+12.8	+16.8	+22.7	+24.2	+26.5	+24.2
Summer	+38.8	+41.9	+40.7	+33.7	+17.5	+7.2	-13.4	-17.8	-38.2	-55.2	-43.9	-33.8	-28.8	-26.3	-18.5	-6.3	-6.3	-3.2	0.0	+7.8	+14.5	+23.0	+30.6	+35.8

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day adjusted for non-cyclic change

HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 52 Meanook 1940

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	+6.6	+6.1	+6.2	+4.5	+3.8	+2.3	+7.5	+3.8	+2.1	-3.6	-2.5	+5.2	+3.8	+3.9	+3.2	+2.9	-1.2	-9.5	-13.9	-12.6	-11.3	-7.2	-2.3	+3.2
February	-0.1	+5.2	+6.1	+5.7	+8.2	+8.9	+4.4	+1.7	+2.5	-6.4	-19.1	-9.6	-2.8	+7.7	+9.6	+8.5	+3.9	-0.6	-5.3	-6.2	-7.1	-6.5	-5.0	-4.5
March	-1.1	+4.3	+5.7	+6.0	+7.8	+8.4	+6.8	+7.6	+7.1	+7.5	+7.5	+8.3	+7.9	+6.3	+6.5	+10.1	+2.0	-10.0	-20.8	-22.2	-18.8	-16.9	-12.3	-8.7
April	+2.5	+3.2	+2.8	+4.3	+5.5	+5.4	+7.7	+9.5	+8.4	+8.9	+12.3	+12.6	+12.4	+11.9	+10.7	+6.4	-1.3	-12.9	-20.8	-23.9	-25.3	-18.8	-13.8	-7.3
May	+10.6	+9.9	+5.8	+4.2	+3.3	+4.0	+6.9	+2.2	-6.6	+5.1	-0.8	-2.9	+4.5	+9.0	+12.7	+10.6	+0.6	-10.9	-18.4	-19.3	-17.4	-11.2	-2.3	+1.4
June	+10.0	+19.4	+14.0	+7.6	+2.8	+2.0	+2.5	-2.9	+0.3	+6.3	+8.5	+7.3	+7.9	+12.3	+14.3	+6.3	-4.5	-16.3	-28.0	-29.0	-25.8	-13.8	-7.2	+1.6
July	+12.7	+10.8	+8.4	+4.9	+4.6	+2.4	+4.7	+2.7	+1.8	+3.9	+7.7	+8.4	+9.2	+11.1	+9.1	+10.0	+5.1	-4.3	-17.2	-27.2	-31.5	-25.0	-12.6	-0.1
August	+14.3	+12.6	+7.9	+9.4	+7.9	+9.4	+10.3	+8.4	+4.7	+9.6	+9.1	+10.4	+15.6	+19.7	+17.8	+3.7	-14.0	-31.7	-41.6	-37.9	-33.2	-20.7	-0.6	+7.7
September	+2.6	-1.8	-1.2	+3.1	+6.3	+6.3	+8.5	+9.5	+6.7	+9.4	+8.6	+9.8	+10.4	+9.8	+7.6	-0.3	-14.1	-23.7	-24.5	-20.7	-13.9	-2.4	+1.8	+2.4
October	+2.3	+6.0	+4.9	+6.1	+6.6	+6.3	+5.1	+5.4	+4.3	+7.5	+7.8	+9.3	+10.3	+10.8	+9.7	+2.7	-5.6	-15.9	-21.3	-21.2	-16.7	-12.1	-9.8	-3.5
November	+5.8	+6.2	+7.4	+8.4	+5.6	+2.4	+0.7	-0.9	-3.9	-9.1	-0.7	+3.1	+2.9	+6.9	+7.1	+3.7	-1.3	-10.3	-13.6	-13.8	-7.6	-2.4	+0.2	+2.6
December	+6.2	+2.8	+4.9	+6.7	+7.5	+6.8	+4.8	+2.2	-1.1	-6.9	-8.7	-8.4	+1.2	+9.7	+9.3	+6.3	+4.8	-2.4	-8.2	-11.1	-11.1	-9.1	-7.4	-1.2
Year	+6.0	+7.1	+6.1	+5.9	+5.8	+5.4	+5.8	+4.1	+2.2	+2.8	+2.4	+4.5	+6.9	+9.9	+10.0	+6.2	-2.1	-12.4	-19.4	-20.4	-18.3	-12.2	-5.9	-0.6
Winter	+4.6	+5.1	+6.2	+6.3	+6.3	+5.1	+4.4	+1.7	-0.1	-6.5	-7.8	-2.4	+1.3	+7.0	+7.3	+5.8	+1.6	-5.7	-10.2	-10.9	-9.3	-6.3	-3.6	0.0
Equinox	+1.6	+2.9	+3.0	+4.8	+6.6	+6.6	+7.0	+8.0	+6.6	+8.3	+9.0	+10.0	+10.2	+9.7	+9.1	+4.7	-4.8	-15.6	-21.8	-22.0	-18.7	-12.6	-8.5	-4.3
Summer	+11.9	+13.2	+9.0	+6.5	+4.6	+4.4	+6.1	+2.6	0.0	+6.7	+6.1	+5.8	+9.3	+13.0	+13.5	+8.2	-3.2	-15.8	-26.3	-28.4	-27.0	-17.7	-5.7	+2.6

DECLINATION (minutes) (Quiet Days)

Table 53 Meanook 1940

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	-1.71	-0.67	-0.32	+0.02	-0.20	-0.16	+0.81	-1.49	-0.69	-0.77	+0.56	+2.08	+1.38	+1.50	+1.99	+2.77	+2.79	+1.95	+0.88	-0.30	-2.48	-3.60	-2.69	-1.77
February	-1.68	-1.63	-1.27	-0.95	+2.76	-0.26	-0.30	+0.08	+0.25	+0.11	+0.19	-0.22	+0.08	+0.53	+1.25	+2.53	+2.64	+1.64	+0.52	-0.54	-1.07	-1.21	-1.63	-1.82
March	-3.16	-2.77	-2.09	-1.66	-1.54	-1.57	-2.85	+0.36	-1.10	-0.93	+2.03	+2.24	+1.78	+3.09	+4.77	+6.20	+5.84	+3.93	+1.87	-0.60	-2.90	-4.11	-3.51	-3.26
April	-4.70	-3.86	-3.29	-2.93	-2.34	-2.12	-1.53	-1.41	-0.86	+0.10	+1.49	+0.45	+1.81	+3.89	+6.60	+8.62	+10.03	+7.89	+4.24	-0.34	-4.35	-5.89	-6.02	-5.44
May	-5.54	-3.62	-2.10	-0.50	-1.24	-1.62	+0.61	-0.27	+0.97	-1.25	-2.25	+0.37	+3.41	+6.67	+8.45	+8.63	+7.73	+5.43	+1.50	-1.00	-3.86	-5.82	-7.20	-7.48
June	-4.26	-2.09	-1.19	+0.02	+0.28	-1.09	-1.17	-2.96	-2.62	-2.27	-1.39	+0.62	+4.40	+6.01	+10.27	+10.36	+8.54	+5.13	-0.33	-2.96	-6.38	-6.91	-6.53	-5.48
July	-4.20	-3.60	-2.91	-2.27	-1.46	-0.90	-1.78	-1.22	-1.87	-1.75	-0.46	+0.54	+3.80	+6.68	+8.77	+9.65	+9.74	+7.86	+3.36	-1.46	-5.41	-7.75	-7.22	-6.20
August	-3.05	-2.49	-2.38	-2.68	-2.30	-1.96	-1.67	-1.01	-0.29	-0.55	-0.10	+0.82	+3.58	+6.74	+9.15	+10.15	+9.21	+6.67	+1.72	-3.90	-7.38	-7.54	-6.35	-4.45
September	-2.99	-2.78	-2.89	-2.59	-1.94	-2.55	-2.60	-2.57	-0.80	+0.24	-0.11	+0.82	+2.16	+3.83	+5.88	+6.98	+7.47	+6.32	+3.91	-1.74	-3.59	-3.99	-3.62	-2.95
October	-2.65	-2.51	-0.93	-0.92	-0.40	-1.22	-1.00	-0.84	+0.22	-0.55	-0.19	+0.21	+0.77	+1.73	+3.73	+5.98	+6.34	+3.74	+0.48	-1.48	-2.78	-2.79	-2.47	-2.39
November	-1.02	-1.02	-0.51	-0.15	-1.07	-0.97	-1.06	+0.08	-0.02	-0.66	-0.97	+1.71	+1.37	+2.19	+2.70	+2.84	+4.10	+2.66	+0.21	-1.45	-2.27	-2.41	-2.36	-1.82
December	-1.66	-1.18	-0.13	+0.25	+0.77	+0.65	+0.04	+0.16	-0.24	+0.20	-0.49	+0.49	-0.55	+0.31	+0.68	+1.32	+2.54	+1.72	+0.93	+0.05	-0.87	-1.45	-1.80	-1.80
Year	-3.05	-2.35	-1.67	-1.19	-0.72	-1.14	-1.04	-0.92	-0.59	-0.67	-0.14	+0.85	+2.00	+3.76	+5.35	+6.33	+6.41	+4.58	+1.61	-1.31	-3.61	-4.46	-4.28	-3.74
Winter	-1.52	-1.12	-0.56	-0.21	+0.56	-0.18	-0.13	-0.29	-0.18	-0.28	-0.18	+1.02	+0.57	+1.13	+1.66	+2.36	+3.02	+1.99	+0.64	-0.56	-1.67	-2.17	-2.12	-1.80
Equinox	-3.38	-2.98	-2.30	-2.02	-1.55	-1.86	-2.00	-1.12	-0.64	-0.28	+0.80	+0.93	+1.63	+3.14	+5.24	+6.94	+7.42	+5.47	+2.62	-1.04	-3.40	-4.20	-3.90	-3.51
Summer	-4.26	-2.95	-2.14	-1.33	-1.18	-1.39	-1.00	-1.36	-0.95	-1.46	-1.05	+0.60	+3.80	+7.02	+9.16	+9.70	+8.80	+6.27	+1.56	-2.33	-5.76	-7.00	-6.82	-5.90

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Meanook 1940

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	+8.6	+7.2	+5.9	+5.1	+4.4	+6.4	+1.1	+5.9	+4.6	-3.8	-9.1	-7.7	-3.9	-3.3	-3.8	-4.6	-4.7	-3.7	-1.6	-2.0	-1.7	-0.9	-0.4	+1.4
February	+4.0	+3.7	+5.0	+6.3	+8.8	+9.5	+6.0	+2.9	-5.4	-14.7	-36.2	-27.5	-16.9	-1.2	+2.5	+3.6	+4.3	+4.6	+5.5	+6.4	+7.1	+6.8	+7.5	+7.0
March	+3.3	+3.8	+3.0	+2.7	+3.2	+2.5	+3.1	+2.8	+0.7	-1.2	-1.6	-1.7	-3.7	-3.8	-2.0	-1.1	-0.4	-1.5	-1.9	-3.8	-2.9	-1.6	+0.4	+1.7
April	+6.9	+6.1	+2.1	+1.5	+0.9	+0.7	-0.2	-1.0	-0.8	-5.0	-5.2	-1.2	-1.2	-1.2	-2.0	-1.6	-1.0	-1.8	-2.3	-1.3	-1.3	-0.3	+2.1	+5.9
May	+17.2	+17.5	+15.8	+11.5	+8.6	+6.3	-0.4	-26.7	-24.6	-12.9	-15.2	-17.1	-5.7	-1.0	+0.7	+2.6	-1.9	-4.8	-8.7	-6.0	+1.5	+8.6	+14.1	+15.6
June	+15.9	+19.6	+15.9	+13.0	+9.9	+5.4	+2.9	-9.6	-14.1	-3.6	-2.9	-5.0	-6.0	-11.1	-8.4	-8.1	-7.8	-6.3	-7.4	-5.7	-4.8	+0.1	+6.0	+11.7
July	+20.0	+16.4	+12.9	+7.1	+7.6	+6.6	+5.3	-2.7	-11.2	-11.8	-5.9	-5.7	-5.5	-7.5	-11.4	-13.4	-12.7	-8.3	-7.4	-5.0	+0.3	+5.3	+12.2	+15.4
August	+12.1	+8.1	+4.4	+2.2	-0.3	-1.5	-5.2	-3.6	-4.5	-3.7	-5.2	-3.2	-0.4	-1.4	-1.7	-4.3	-5.2	-7.6	-7.7	-3.1	+3.2	+6.2	+10.5	+11.5
September	+6.9	+2.7	+0.9	+0.7	-1.5	-2.7	-2.8	-2.6	-1.8	-1.0	-1.8	-3.0	-3.2	-3.0	-3.8	-3.8	-3.4	-3.4	-4.1	-1.1	+3.3	+8.3	+10.9	+9.7
October	+4.8	+7.5	+6.9	+4.0	+3.4	+2.1	-0.4	-3.9	-8.1	-4.2	-4.4	-5.3	-5.7	-4.4	-0.8	-0.3	-1.5	-4.0	-3.3	-1.6	+4.0	+5.5	+5.1	+5.0
November	+6.5	+6.9	+7.6	+7.8	+4.7	+5.5	+3.9	-1.3	-9.4	-23.0	-27.3	-4.1	-4.3	-2.7	+0.4	+2.4	+2.3	+1.1	+1.1	+3.1	+3.2	+6.0	+4.7	+5.1
December	+8.7	+9.5	+10.8	+8.6	+9.2	+5.0	+2.3	+0.7	-6.3	-21.7	-21.0	-16.0	-11.8	-1.2	+0.7	+0.7	+0.9	+0.7	+0.2	+0.8	+1.8	+3.8	+5.5	+7.1
Year	+9.6	+9.1	+7.6	+5.9	+4.9	+3.8	+1.3	-3.3	-6.7	-8.9	-11.3	-8.1	-5.7	-3.5	-2.5	-2.3	-2.6	-2.9	-3.1	-1.6	+1.1	+4.0	+6.5	+8.1
Winter	+7.0	+6.8	+7.3	+7.0	+6.8	+6.6	+3.3	+2.0	-4.1	-15.8	-23.4	-13.8	-9.2	-2.1	0.0	+0.5	+0.7	+0.7	+1.3	+2.1	+2.6	+3.9	+4.3	+5.2
Equinox	+5.5	+5.0	+3.2	+2.2	+1.5	+0.6	0.0	-1.2	-2.5	-2.8	-3.2	-2.8	-3.4	-3.1	-2.2	-1.7	-1.6	-2.7	-2.9	-2.0	+0.8	+3.0	+4.6	+5.6
Summer	+16.3	+15.4	+12.2	+8.4	+6.4	+4.2	+0.7	-10.7	-13.6	-8.0	-7.3	-7.8	-4.4	-5.2	-2.7	-5.8	-6.9	-6.8	-7.8	-5.0	0.0	+5.0	+10.7	+13.6

DIURNAL INEQUALITIES OF MAGNETIC ELEMENTS
Departure from mean of the day adjusted for non-cyclic change

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Meanook 1940

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	+79.5	+79.6	+77.0	+82.7	+100.5	+84.2	+86.6	+46.9	-50.1	-50.0	-62.6	-23.1	-31.7	+130.2	-117.8	-189.1	-189.9	-24.8	+9.6	+17.7	+47.7	+43.8	+52.2	+62.1
February	+67.5	+64.3	+62.1	+91.6	+82.8	+99.2	+65.2	+29.8	-68.1	-119.9	-76.1	-127.7	-118.7	-133.1	-79.9	-24.1	+5.4	-17.0	+20.8	+24.4	+27.2	+37.9	+40.1	+47.1
March	+439.9	+326.4	+210.9	+172.6	-7.9	-33.8	+210.4	+21.7	-163.2	-336.3	-568.2	-411.9	-260.5	-194.8	-284.5	-289.0	-261.9	-53.4	+91.8	+166.3	+189.4	+303.9	+333.4	+399.3
April	+172.3	+149.8	+101.3	+56.5	-67.0	-57.7	-107.6	-148.0	-118.5	-201.6	-128.5	-78.8	-56.2	-83.5	-1.2	+11.1	+26.4	+24.6	+6.1	+52.6	+66.9	+106.7	+121.2	+152.1
May	+113.5	+127.6	+133.1	+172.2	+82.3	+47.8	+10.5	+11.8	-176.5	-238.0	-258.7	-160.4	-124.2	-60.9	+15.4	+26.5	+18.6	+16.5	+2.0	+18.5	+21.6	+48.9	+66.2	+84.1
June	+146.9	+180.9	+168.6	+255.8	+120.7	-9.1	+33.6	-16.4	-114.5	-195.5	-165.4	-99.8	-185.2	-158.4	-69.9	-75.9	-62.2	-43.4	-42.9	-26.3	+20.2	+70.8	+104.3	+163.1
July	+114.7	+77.4	+73.5	+109.8	+100.9	+34.2	-102.8	+11.7	-94.2	-191.1	-174.4	-92.3	-190.1	-172.4	-20.3	+47.8	+6.9	+14.4	+48.4	+54.7	+57.6	+67.9	+100.6	+116.5
August	+94.7	+86.7	+87.9	+88.5	+82.7	+77.9	+29.0	+24.8	-102.6	-214.0	-229.8	-175.8	-159.6	-180.2	-108.6	+27.8	+36.6	+47.4	+51.1	+70.5	+84.9	+92.9	+105.5	+88.7
September	+78.6	+134.1	+160.3	+144.8	+78.6	+27.3	-59.9	-61.8	-45.6	-55.5	-158.9	-157.2	-67.2	-108.3	-88.7	-49.0	+8.4	-35.7	-21.9	+40.6	+46.4	+48.1	+60.5	+81.0
October	+97.2	+130.0	+106.3	+117.7	+65.8	+106.4	+42.3	+146.5	-88.2	-156.8	-109.9	-75.7	-159.3	-72.9	-42.6	-52.4	-79.9	-28.9	0.0	+20.2	+61.3	+98.5	+89.4	+78.4
November	+77.3	+84.4	+78.8	+115.1	+97.1	+96.8	+96.4	+5.7	-23.9	-162.0	-144.8	-94.3	-120.7	-106.6	-164.6	-26.0	-22.3	+7.6	+15.0	+21.7	+28.3	+31.8	+51.6	+58.1
December	+67.5	+76.3	+80.0	+82.6	+76.3	+92.1	+18.0	-58.6	-88.3	-72.3	-155.8	-217.6	-130.4	-62.4	+29.7	-4.7	+7.8	+10.0	+19.9	+23.9	+40.2	+47.0	+56.7	+61.7
Year	+129.1	+126.5	+111.7	+124.2	+67.8	+47.1	+26.8	-23.2	-94.5	-166.1	-186.1	-142.9	-133.7	-122.0	-77.7	-49.7	-42.2	-6.9	+16.6	+40.4	+57.6	+83.2	+98.5	+116.0
Winter	+73.0	+76.2	+74.6	+93.0	+89.2	+93.1	+66.6	+6.0	-57.6	-101.0	-109.8	-115.7	-100.4	-108.1	-83.2	-61.0	-49.8	-6.0	+16.3	+21.9	+35.8	+40.1	+50.2	+57.2
Equinox	+197.0	+185.1	+144.7	+122.9	+17.6	+10.6	+21.3	-83.6	-103.9	-187.6	-241.4	-180.9	-135.8	-114.9	-104.2	-94.8	-76.8	-23.4	+19.0	+69.9	+91.0	+139.3	+151.1	+177.7
Summer	+117.4	+118.2	+115.8	+156.6	+96.6	+37.7	-7.4	+8.0	-122.0	-209.6	-207.1	-132.1	-164.8	-143.0	-45.8	+6.6	0.0	+8.7	+14.6	+29.4	+46.1	+70.1	+94.2	+113.1

DECLINATION (minutes) (Disturbed Days)

Table 56 Meanook 1940

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-2.89	-2.02	-0.96	-0.17	+7.18	-1.52	-2.55	-0.17	-3.48	+3.75	+9.15	+3.44	+7.56	+14.55	+7.85	+1.24	-3.15	-0.47	-7.96	-9.34	-7.19	-5.60	-4.02	-3.21
February	-2.54	-0.37	+1.05	+2.52	+5.33	+0.62	-4.86	-2.37	-2.60	-0.17	+10.35	+11.00	+10.42	+3.29	-1.35	-5.88	-1.47	-1.26	-3.34	-1.45	-4.32	-4.41	-4.65	-3.26
March	-9.06	-7.98	-6.61	-21.49	-25.49	-38.70	-21.78	-16.73	-9.31	-37.37	+7.90	-3.42	+0.54	+12.58	+8.13	+20.85	+62.03	+41.38	+23.20	+8.85	+5.29	+3.99	+2.46	+0.78
April	-9.61	-6.56	+2.99	-0.65	-3.28	-14.53	-5.06	-7.89	-9.22	+0.10	+3.19	-0.10	+6.72	+4.63	+12.00	+9.06	+6.65	+5.36	+5.29	+6.14	+0.01	+0.75	-1.92	-4.09
May	-7.79	-7.47	-7.02	-4.68	-5.94	-7.22	-4.23	-4.71	-10.69	+5.59	+13.80	+11.46	+12.20	+15.50	+12.69	+7.91	+5.93	+3.61	-1.32	-5.76	-6.42	-5.32	-4.69	-5.51
June	-5.90	-8.95	-6.68	-10.53	-11.68	-9.29	-4.78	+2.19	-4.78	+2.15	+9.02	+7.11	+6.01	+6.82	+12.15	+11.22	+9.13	+5.20	+7.57	-0.48	-4.41	-3.08	-3.99	-3.98
July	-5.31	-4.11	-2.80	-3.38	-0.27	-5.29	-2.80	-0.68	-8.39	-5.21	+1.34	+5.48	+9.86	+8.16	+10.15	+11.07	+11.96	+4.06	-0.07	-2.27	-4.88	-6.10	-5.25	-5.33
August	-6.92	-5.40	-4.04	-0.50	+0.94	+1.78	-0.48	+2.40	+0.46	-3.00	+3.72	+0.56	+5.56	+8.94	+8.80	+8.00	+7.32	+0.12	+2.10	-2.72	-5.32	-6.80	-7.18	-8.40
September	-2.10	-2.71	-0.79	+0.34	-5.01	-4.80	-3.38	+1.19	+0.56	-5.05	+6.41	-0.04	+4.90	+4.47	+7.65	+4.96	+2.87	+4.96	+4.56	-3.25	-5.54	-4.99	-2.41	-2.70
October	-3.65	-0.80	-4.18	-5.27	-3.74	-5.90	-6.75	-3.41	+10.28	+4.47	+12.87	+16.82	+6.60	+12.85	+7.13	+2.44	-4.89	-2.63	-4.40	-3.16	-7.65	-7.08	-6.14	-3.93
November	-1.40	-2.92	-5.85	-10.53	-6.25	+3.27	-5.74	-2.16	+1.28	+1.52	+17.27	+16.55	+15.69	+8.93	-6.74	+2.58	-0.16	-2.86	-5.21	-5.37	-3.91	-3.89	-1.70	-2.46
December	-1.24	+3.34	+5.93	+4.01	+5.15	+4.62	+1.60	-5.45	-14.47	+2.93	-5.34	+7.50	+8.42	+2.68	+4.23	+1.13	-0.71	-4.12	-5.70	-4.71	-2.73	-2.35	-2.71	-2.02
Year	-4.87	-3.83	-2.42	-4.19	-3.59	-6.41	-5.07	-3.15	-4.20	-2.52	+8.31	+6.36	+7.87	+8.62	+6.89	+6.22	+7.12	+4.45	+1.23	-1.96	-3.92	-3.74	-3.52	-3.67
Winter	-2.02	-0.49	+0.04	-1.04	+2.85	+1.75	-2.89	-2.54	-4.82	+2.01	+7.86	+9.62	+10.52	+7.36	+1.00	-0.23	-1.37	-2.18	-5.55	-5.22	-4.54	-4.06	-3.27	-2.74
Equinox	-6.10	-4.51	-2.15	-6.77	-9.38	-15.98	-9.24	-6.71	-1.92	-9.46	+10.09	+3.32	+4.69	+8.63	+8.73	+9.33	+14.16	+12.27	+7.16	+2.14	-1.97	-1.83	-2.00	-2.48
Summer	-6.48	-6.48	-5.14	-4.77	-4.24	-5.00	-3.07	-0.20	-5.85	-0.12	+6.97	+6.15	+8.41	+9.86	+10.95	+9.55	+8.58	+3.25	+2.07	-2.81	-5.26	-5.32	-5.28	-5.80

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Meanook 1940

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	+56.7	+52.2	+52.2	+63.5	+60.7	+50.0	+25.0	-2.7	-38.9	-14.0	-66.2	-77.7	-92.5	-112.4	-98.8	+25.3	+108.9	-12.6	+28.4	+28.7	+51.5	+44.2	+39.2	+45.9
February	+70.0	+60.5	+51.8	+54.5	+46.6	+52.7	+6.7	-19.2	-66.9	-64.2	-83.7	-108.6	-76.8	-73.9	-89.6	-60.3	-17.4	+11.3	+38.9	+49.4	+51.5	+52.8	+53.5	+59.2
March	-71.6	-143.7	-101.8	-59.7	+157.0	-87.3	-28.7	-54.8	+19.5	-127.6	-71.1	+150.2	+179.6	+51.5	-193.8	+83.9	+193.2	+147.1	+143.7	+52.4	+61.9	+25.4	+28.1	-40.6
April	+26.4	+20.5	-26.4	-74.7	-96.6	-29.5	-67.8	+10.5	+40.2	-102.9	-18.6	-9.3	-39.3	-68.2	-52.5	-17.4	+15.1	+23.2	+34.3	+88.8	+111.9	+86.6	+81.3	+64.4
May	+47.8	+59.6	+81.1	+67.7	-29.2	-51.4	-57.5	-32.5	-83.6	-126.8	-68.5	-25.3	+13.1	-17.5	-9.6	+0.2	+12.3	+13.7	+8.8	+20.4	+31.3	+44.3	+55.4	+46.0
June	+74.1	+79.8	+51.5	-8.5	-40.0	-31.1	-10.7	-39.4	-50.5	-90.7	-106.4	-88.7	-84.7	-16.0	+16.7	+49.1	-11.2	-8.1	+4.9	+40.0	+55.3	+79.7	+62.4	+72.5
July	+92.0	+89.8	+94.3	+100.3	+46.8	+18.6	-80.6	+8.5	-32.4	-123.8	-168.5	-96.9	-113.5	-167.9	-87.6	+0.3	-6.7	+8.7	+43.0	+54.1	+56.3	+71.0	+96.5	+98.2
August	+80.4	+79.1	+80.4	+70.3	+49.6	+45.5	-23.6	-17.1	-80.0	-112.1	-134.4	-109.5	-107.7	-135.6	-117.3	-4.8	+16.5	+26.8	+32.3	+60.4	+56.1	+68.2	+90.1	+87.0
September	+66.9	+86.0	+26.9	+6.0	-3.9	-39.4	-49.1	-12.6	-20.7	-49.2	-39.1	-64.6	-77.8	-56.1	-40.0	-45.7	-19.6	+4.5	+40.8	+62.7	+53.0	+47.1	+57.6	+61.1
October	+61.8	+46.7	+20.0	-9.1	0.0	-5.9	-8.7	-7.4	+19.3	-7.4	-62.1	-57.2	-69.0	-103.3	-55.0	-60.7	-59.0	-1.5	+31.7	+67.6	+79.5	+72.2	+53.5	+52.5
November	+55.8	+30.1	+32.9	+19.8	+54.0	+13.5	+15.2	-5.7	-74.3	-93.4	-32.6	-78.7	-93.5	-68.8	-63.0	-34.3	-17.1	+19.8	+30.5	+39.8	+49.4	+60.9	+72.7	+66.4
December	+49.5	+77.6	+69.1	+58.2	+55.5	+55.8	+29.9	-83.0	-102.5	-61.4	-135.7	-119.6	-84.6	-61.7	-18.2	-28.3	+7.8	+17.3	+21.0	+37.7	+43.6	+55.1	+62.0	+54.9
Year	+50.8	+44.9	+36.0	+24.0	-1.1	-0.7	-20.8	-21.3	-39.2	-81.1	-82.2	-57.2	-53.9	-69.2	-67.4	-7.7	+0.4	+20.9	+38.2	+50.2	+58.4	+59.0	+62.7	+55.6
Winter	+58.0	+55.1	+51.5	+49.0	+54.2	+43.0	+19.2	-27.6	-70.6	-58.2	-79.6	-96.2	-86.8	-79.2	-67.4	-24.4	-33.9	+9.0	+29.7	+38.9	+49.0	+53.3	+56.8	+56.6
Equinox	+20.9	+2.4	-20.3	-34.3	-64.4	-40.5	-38.6	-16.1	+14.6	-71.8	-47.7	+4.8	-1.6	-44.0	-85.3	-10.0	+32.4	+43.3	+62.6	+67.9	+76.6	+57.8	+55.1	+34.4
Summer	+73.6	+77.1	+76.8	+57.4	+6.8	-4.6	-43.1	-20.1	-61.6	-113.4	-119.4	-80.1	-73.2	-84.3	-49.4	+11.2	+2.7	+10.3	+22.2	+43.7	+49.7	+65.8	+76.1	+75.9