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RECORD OF OBSERVATIONS AT MEANOOK MAGNETIC OBSERVATORY 1951 - 1952

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CONTENTS

MEANOOK MAGNETIC OBSERVATORY

Geographic Coordinates: 54° 37′N; 113° 20′W

Geomagnetic Coordinates 61.8° N; 301.0° E

Officer-in-Charge: H.E. Cook

Assistant: Anne B. Cook

1951 - 1952

Introduction

Meanook Magnetic Observatory has been in continuous operation since July 1916 with H.E. Cook as resident Officer-in-Charge. The observatory is a section of the Division of Geomagnetism, Dominion Observatory, Ottawa. It is one of a world network supplying disturbance data for composite K-indices and has a disturbance field heightened by its proximity to the southern fringe of the auroral zone.

During the period under review, a nonmagnetic building was constructed adjacent to that occupied since 1916. The variometers are now above ground and the troubles attending surplus humidity in the former variometer basements have disappeared. No significant change in the distribution of the magnetic field between the old and the new absolute piers could be measured.

Magnetic activity reached about the same degree of intensity as in 1930. In the 25-year interval 1927 to 1952 there have been five peaks of maximum activity, those of the years 1930, 1952, 1943, 1939 and 1947, listed in order of magnitude.

The average annual changes in the magnetic elements during the five years 1947 to 1952 were +19.8γ in H; −4.2′ in D; −41γ in Z; +24.6γ in X; −6.0γ in Y; −1.6′ in I; and −36.0γ in F.

Instruments

The same instruments continued in use: Elliott magnetometer No. 98 for declination and horizontal intensity and earth inductor MS No. 2 for inclination.

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

for D, I.M.S. = Elliott 98 + 0.20′

for H, I.M.S. = Elliott 98 − 0.00121H

for I, I.M.S. = M.S. 2 − 1.09′

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 = 0.989′/mm; H = 7.80γ/mm; and Z = 11.15γ/mm. For the low sensitivity set the values were: D = 2.45′/mm; H = 22.41γ/mm; and Z = 17.81γ/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 baseline values were for D, ± 0.5′; for H, ± 6γ; and for Z, ± 20γ. In the computation of Z from H and I values, an error of 1γ in H produces an error of 4.6γ, and an error of 0.1′ in I an error of 8.2γ in Z.

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 monthly and yearly means of H, D, Z, X, Y and F 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.

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 *Geomagnetic Indices C and K* bulletins.

A continuance of analyses of magnetic extremes data using mean monthly values of the daily ranges in H, D and Z, without smoothing, produced ratios D/H and $Z/[H^2 + D^2]_{1/2}$. These ratios, being equivalent to tangents of angles, were converted to magnetic azimuth and inclination sweeps of the disturbing force. The data relevant to 1951 - 1952 are included herewith. Angles were computed from mean annual ranges for the 20-year period 1933 to 1952 resulting in a mean of 27° 39′ for magnetic azimuth and 35° 39′ for inclination with r.m.s. values of ± 1.9° and ± 2.1°, respectively.

A list of mean annual values of the magnetic elements from 1917 to 1952, inclusive, completes the text.

Magnetic Activity and Ratios

Month	Mean Daily Extremes H	D	Z	D/H	Angle ° ′	$Z/[H^2+D^2]^{1/2}$	Angle ° ′
1951	γ	γ	γ				
January	199	132	213	0.6633	33 33	0.8912	41 42
February	385	170	273	.4416	23 50	.6485	32 58
March	452	229	375	.5066	26 52	.7396	36 29
April	518	243	355	.4691	25 08	.6206	31 49
May	471	226	342	.4798	25 38	.6552	33 14
June	441	192	328	.4354	23 32	.6819	34 17
July	369	177	348	.4797	25 38	.8509	40 24
August	382	224	365	.5864	30 23	.8239	39 29
September	478	330	509	.6904	34 37	.8761	41 13
October	367	207	431	.5640	29 25	1.0238	45 40
November	309	164	266	.5307	27 57	.7600	37 14
December	335	211	290	.6298	32 12	.7323	36 13
Mean	392	209	341	.5397	28 14	.7753	37 34
1952							
January	350	181	281	.5171	27 21	.7132	35 30
February	546	249	385	.4560	24 31	.6417	32 41
March	677	342	509	.5052	26 48	.6715	33 53
April	664	318	452	.4789	25 35	.6141	31 33
May	501	211	394	.4212	22 50	.7243	35 55
June	386	165	328	.4275	23 09	.7810	37 59
July	297	181	274	.6094	31 21	.7874	38 13
August	300	150	261	.5000	26 34	.7791	37 55
September	534	277	373	.5187	27 25	.6196	31 47
October	355	167	245	.4704	25 12	.6250	32 00
November	226	119	217	.5265	27 46	.8510	40 24
December	289	169	255	.5848	30 19	.7612	37 17
Mean	427	211	331	.5013	26 34	.7141	35 26

Mean Values for Months and Year, Meanook

Month	D East ° ′	H γ	Z γ	X γ	Y East γ	I North ° ′	F γ
1951							
January	24 45.7	12834	58934	11654	5375	77 42.9	60315
February	45.2	834	926	655	74	42.8	307
March	45.3	823	920	645	69	43.3	299
April	46.0	821	885	642	71	43.0	265
May	44.0	826	881	649	66	42.7	262
June	44.7	842	864	663	75	41.6	249
July	44.2	783	853	610	49	44.7	233
August	45.8	835	841	655	76	41.7	225
September	47.1	837	854	655	81	41.7	238
October	46.3	840	858	659	80	41.6	242
November	44.8	848	870	667	78	41.3	256
December	44.2	843	870	665	74	41.6	255
Year	24 45.3	12830	58880	11652	5372	77 42.4	60262
1952							
January	24 43.7	12838	58867	11661	5370	77 41.8	60251
February	43.8	841	860	663	72	41.6	244
March	43.6	833	852	656	68	41.9	235
April	42.4	842	842	666	68	41.3	227
May	41.8	854	823	678	71	40.4	211
June	41.0	857	817	682	69	40.2	206
July	41.1	857	805	682	69	40.0	194
August	40.5	863	803	688	70	39.7	193
September	40.6	844	807	671	62	40.8	193
October	40.0	854	830	681	64	40.5	218
November	38.8	860	844	688	63	40.3	233
December	39.3	887	867	712	76	39.1	261
Year	24 41.4	12852	58835	11677	5368	77 40.6	60222

Mean Annual Values, Meanook

Year	D East ° ′	H γ	Z γ	X γ	Y East γ	I North ° ′	F γ
1917	27 46.1	.....	.....	.....	....	.....	.....
1918	44.3	12938	60393	11450	6022	77 54.5	61763
1919	41.1	944	400	463	14	54.2	770
1920	38.6	923	246	445	5996	53.6	617
1921	33.3	909	190	444	71	53.7	559
1922	28.5	904	133	449	53	53.3	502
1923	23.3	882	031	439	25	53.2	398
1924	17.7	866	59943	434	5899	53.2	308
1925	10.7	852	934	433	70	53.8	296
1926	04.2	832	844	427	40	53.8	205
1927	26 56.2	815	756	425	06	53.7	115
1928	48.5	794	737	419	5770	54.6	092
1929	42.9	781	721	417	46	55.1	062
1930	39.2	755	675	400	22	56.1	022
1931	33.2	758	587	412	03	54.9	60937
1932	27.2	738	466	405	5674	54.6	815
1933	21.9	736	413	412	56	54.0	761
1934	15.3	736	367	422	34	53.5	718
1935	08.2	732	367	430	08	53.7	716
1936	03.4	728	291	435	5591	53.0	642
1937	25 59.6	729	266	442	79	52.7	618
1938	54.8	726	252	446	62	52.7	603
1939	51.6	710	225	438	44	53.2	573
1940	45.0	719	210	456	26	52.6	561
1941	38.7	717	196	464	04	52.6	547
1942	33.6	728	188	483	5492	51.8	541
1943	29.4	724	170	486	76	51.8	523
1944	23.2	740	159	509	62	50.8	515
1945	16.8	740	061	520	41	49.6	420
1946	10.3	739	046	529	18	49.5	404
1947	02.4	753	040	554	5398	48.7	402
1948	24 56.4	764	025	574	82	47.9	390
1949	52.2	789	58979	603	79	45.9	350
1950	47.4	810	921	630	71	44.0	297
1951	45.3	830	880	652	72	42.4	262
1952	41.4	852	835	677	68	40.6	222

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook — H = 12,000 γ + — January 1951

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	858	866	869	861	852	847	846	839	842	842	849	845	840	820	842	845	859	847	829	826	826	828	837	850	844
2 D	855	860	855	853	863	882	895	855	851	849	839	835	825	841	848	848	844	843	820	812	831	839	843	840	847
3	846	854	854	859	854	858	847	846	838	831	838	835	838	845	851	854	855	838	830	828	835	838	838	842	844
4 Q	853	854	846	847	850	846	846	846	846	846	846	846	846	846	846	846	855	846	842	838	838	842	846	854	847
5	860	857	854	854	857	854	853	853	843	795	848	851	850	849	852	856	854	849	841	837	837	837	837	843	847
6 Q	854	852	850	846	845	838	838	843	842	846	845	842	838	838	845	846	843	831	826	823	827	840	844	844	841
7 Q	849	850	849	843	836	841	838	848	819	828	842	843	846	848	849	849	842	835	831	828	835	835	845	850	841
8	852	852	857	856	852	848	843	837	796	824	830	803	839	841	863	842	856	842	831	834	839	844	850	855	841
9 Q	855	850	851	849	842	834	831	850	848	841	816	853	857	857	857	853	843	834	832	837	843	847	850	849	845
10	847	848	848	847	846	846	849	847	839	846	846	850	849	846	848	851	826	757	786	832	832	821	836	851	837
11	860	856	878	864	848	851	854	885	836	825	845	844	843	843	844	849	833	827	815	817	801	828	827	836	842
12	874	909	856	858	836	814	773	804	734	668	804	817	828	828	816	809	828	824	826	828	839	842	839	834	820
13	850	836	854	867	880	892	878	758	804	793	821	834	845	843	843	841	835	832	818	785	793	821	834	836	833
14	850	860	857	855	874	853	850	829	836	836	797	796	786	736	800	859	836	824	816	828	820	820	825	837	828
15	853	843	858	875	864	882	867	851	845	839	834	804	777	843	842	850	845	836	817	826	821	820	804	841	839
16	866	851	853	853	853	853	873	873	853	834	797	797	756	756	825	827	797	804	828	834	824	820	836	840	829
17	849	835	851	855	863	861	859	838	842	835	828	828	838	839	835	836	842	836	839	838	837	828	836	842	841
18 Q	847	847	847	852	847	845	842	845	844	841	839	846	846	840	824	831	837	831	833	833	837	834	836	841	840
19	856	849	840	856	858	859	867	859	859	852	821	802	761	782	850	869	859	850	852	849	841	819	828	839	841
20	865	869	852	844	843	841	837	837	837	839	843	845	841	837	814	847	860	851	834	834	834	834	840	844	843
21 D	848	849	848	849	849	849	847	844	846	851	850	849	854	858	809	673	723	819	831	830	817	816	814	830	827
22 D	855	914	903	914	881	875	759	747	732	748	700	782	549	443	632	807	836	821	805	811	796	765	840	847	782
23 D	856	854	864	848	844	839	842	829	835	734	706	817	843	797	817	815	832	821	794	803	803	832	822	843	820
24	847	845	850	843	840	836	846	833	833	840	811	787	786	829	853	850	845	833	822	822	821	829	829	840	832
25	848	852	853	852	847	845	840	821	756	821	836	816	841	831	837	850	850	840	833	836	831	825	825	833	834
26	847	848	848	853	850	848	850	849	825	809	848	850	853	857	853	820	837	802	784	797	801	823	836	858	835
27	857	864	865	877	871	815	883	857	853	827	809	820	852	843	859	853	848	830	826	829	814	822	817	834	843
28	875	889	887	897	876	849	831	837	829	820	754	784	841	829	833	852	847	829	778	796	802	811	828	838	834
29	841	841	856	860	860	852	853	844	847	823	793	694	807	853	852	850	845	833	825	825	819	823	815	844	831
30	843	836	855	847	850	843	845	847	828	829	829	853	850	850	853	848	833	833	817	831	819	797	788	821	835
31 D	848	865	883	1034	1072	1016	952	663	501	421	311	595	619	739	861	830	782	727	797	796	829	821	819	833	776
Mean	854	857	858	863	862	855	849	833	817	807	802	815	814	816	834	837	836	827	821	824	824	826	831	842	834

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 2 Meanook D = 24° E + . . . ' January 1951

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	44.4	44.1	46.0	46.8	45.5	46.0	45.9	46.4	49.7	47.4	48.6	47.4	48.5	47.4	47.9	49.8	53.7	47.9	44.9	43.6	42.3	41.6	41.8	43.2	46.3
2 D	44.3	45.0	46.6	46.9	45.4	46.9	48.9	43.1	44.2	45.7	48.9	50.5	47.9	49.8	55.6	47.9	46.0	47.0	45.6	45.4	45.5	44.5	42.1	41.6	46.5
3	43.6	44.1	45.1	46.9	54.1	54.6	46.2	48.0	48.9	48.9	48.4	51.3	49.3	46.0	46.5	48.9	49.8	49.9	48.8	49.3	46.5	45.5	44.1	44.6	47.9
4 Q	45.2	46.0	47.6	50.1	46.3	46.5	46.6	46.0	46.1	46.0	46.0	46.0	46.9	47.9	48.9	49.8	50.8	50.0	48.9	46.0	44.0	44.0	43.6	43.1	46.8
5	44.0	44.1	43.2	48.4	43.1	45.0	45.5	45.5	46.0	43.1	50.9	47.0	47.9	48.5	48.3	49.3	52.7	48.3	45.0	44.0	42.0	41.3	43.1	44.5	45.9
6 Q	44.5	45.2	46.5	46.8	46.9	46.5	46.5	45.5	45.4	46.0	46.5	45.1	44.7	44.4	46.9	48.9	49.8	49.7	46.1	45.0	42.2	42.6	44.0	44.9	45.9
7 Q	45.5	46.1	47.1	46.1	46.0	45.5	46.8	45.0	42.1	44.5	47.4	47.9	46.8	47.0	46.9	46.9	47.9	47.4	46.8	44.1	42.6	42.6	42.9	44.0	45.7
8	46.5	46.4	46.5	46.5	45.7	45.2	45.5	46.0	49.2	51.7	51.9	50.9	57.4	53.2	51.2	48.9	46.9	47.9	46.6	44.9	42.8	43.1	43.8	45.0	47.7
9 Q	45.5	46.1	46.5	46.4	47.4	43.4	40.9	43.6	44.5	47.9	47.9	50.4	50.2	48.9	48.4	47.9	48.1	47.9	46.5	44.5	43.1	43.1	44.0	44.0	46.1
10	43.6	44.0	45.2	45.4	46.0	45.9	47.4	45.7	43.6	46.0	45.8	46.9	47.8	49.7	49.6	51.7	49.9	41.2	26.7	39.9	38.3	39.7	40.7	41.1	44.2
11	43.1	46.9	45.1	45.9	47.0	46.8	44.5	45.0	44.9	48.3	49.7	48.5	46.9	47.0	47.8	50.8	52.2	48.9	46.9	46.9	39.7	39.2	37.3	41.7	45.9
12	41.6	51.7	49.3	46.5	49.7	50.8	50.9	46.9	41.3	56.5	48.9	58.5	49.8	51.7	52.7	52.7	49.3	45.1	47.0	44.0	43.4	43.6	44.5	46.0	48.4
13	47.3	45.1	61.9	54.3	54.5	49.3	46.0	37.5	45.5	42.5	43.1	45.0	47.9	49.7	50.7	49.8	50.5	48.0	49.2	45.0	33.0	35.4	41.6	42.1	46.5
14	44.9	48.5	43.1	46.2	51.6	46.0	48.9	48.4	46.5	42.1	46.6	45.5	51.3	43.1	47.4	54.5	49.8	50.0	44.8	40.7	41.0	38.8	37.8	42.1	45.8
15	41.3	41.2	56.6	55.1	45.8	51.7	47.9	46.4	43.1	44.0	46.5	51.4	41.2	48.9	51.8	52.8	46.1	49.8	48.0	43.2	41.3	41.2	35.9	40.7	46.3
16	43.1	44.0	45.5	45.2	47.6	45.2	53.0	41.9	42.2	42.5	44.9	45.2	44.9	31.5	44.9	47.6	44.9	37.1	38.7	39.2	40.3	41.6	43.6	44.7	43.3
17	44.5	44.1	48.8	47.0	48.6	49.0	47.7	46.1	42.1	45.5	46.0	45.0	45.9	46.0	46.0	47.9	48.5	48.4	46.8	46.5	44.4	42.6	44.0	44.8	46.1
18 Q	45.0	45.5	45.4	46.7	46.5	45.8	45.9	45.0	45.1	45.7	45.6	45.5	46.7	46.9	43.1	45.1	47.3	45.6	44.5	44.1	43.1	42.6	43.6	44.9	45.2
19	43.7	43.0	47.4	42.9	46.6	46.5	47.8	49.8	47.7	42.0	48.9	48.8	48.9	44.9	48.9	51.9	49.9	46.9	45.0	44.0	43.6	43.6	40.3	41.2	46.2
20	42.1	42.6	44.6	47.9	47.3	46.0	45.5	46.0	45.6	45.4	46.0	46.0	46.0	46.8	41.2	46.9	49.8	48.9	46.9	46.0	44.2	44.0	44.7	44.5	45.6
21 D	44.1	44.0	44.3	45.0	45.0	45.0	44.9	44.5	44.1	44.2	45.0	46.0	46.1	46.2	33.5	14.4	32.5	35.3	40.7	41.6	41.2	39.7	43.0	43.6	41.4
22 D	43.1	54.1	53.2	48.0	52.8	58.5	52.2	58.4	57.7	49.3	54.2	50.8	64.2	56.1	22.9	51.7	48.9	45.0	38.0	40.7	43.1	38.8	37.8	43.1	48.4
23 D	46.5	61.3	48.9	48.9	47.0	47.9	49.9	46.9	43.2	38.8	44.1	46.5	50.8	51.0	40.4	42.1	44.1	46.0	41.6	43.1	39.3	41.7	44.5	45.7	45.8
24	44.9	45.7	46.5	46.1	47.4	50.7	45.5	41.1	45.0	45.1	43.6	44.1	40.7	41.6	46.8	48.9	50.8	48.9	46.1	45.0	44.6	42.1	43.1	45.0	45.4
25	46.1	45.1	46.9	47.0	46.5	45.6	44.5	41.3	38.1	45.5	45.5	42.6	45.7	45.0	42.6	46.9	48.9	47.4	45.5	45.0	43.6	42.2	41.6	42.6	44.7
26	44.5	44.9	45.5	47.0	46.9	46.9	46.0	44.1	40.1	41.3	46.9	47.0	46.0	45.1	47.4	49.2	49.7	49.8	34.2	33.6	35.4	40.7	40.1	40.2	43.9
27	44.0	44.0	42.1	43.1	48.9	39.0	47.9	53.8	45.1	44.1	44.9	52.4	48.0	49.8	47.8	50.8	54.5	52.7	45.7	44.2	41.8	41.5	38.2	39.3	46.0
28	37.9	41.3	42.1	44.4	44.6	46.4	49.3	47.5	46.0	46.4	44.4	46.0	43.2	46.7	48.5	48.4	50.8	51.3	45.8	37.5	44.0	34.9	37.9	40.4	44.4
29	41.2	44.0	45.5	44.8	48.9	46.8	46.0	46.9	54.1	48.9	46.0	39.7	45.1	46.6	46.2	49.3	53.2	51.9	47.9	45.7	42.6	41.1	40.3	40.3	46.0
30	38.3	39.7	43.7	46.5	47.0	49.3	47.0	48.8	43.1	47.0	47.8	46.8	45.2	45.7	46.1	50.8	51.3	45.1	41.3	41.6	46.5	39.1	35.6	40.7	44.8
31 D	39.7	38.8	32.5	49.7	36.4	38.3	42.1	30.0	11.9	40.1	42.1	71.4	75.3	62.7	51.7	52.8	56.5	38.3	38.5	39.0	44.0	43.2	43.0	39.3	44.1
Mean	43.7	45.4	46.4	47.1	47.2	47.0	46.9	45.5	44.3	45.7	46.9	48.3	48.6	47.6	46.4	48.2	49.2	47.0	44.2	43.3	42.2	41.5	41.6	42.9	45.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Meanook Z = 58,000 γ + January 1951

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	927	931	936	931	927	937	936	926	933	916	916	915	921	905	913	905	905	915	916	921	926	928	929	934	923
2 D	942	945	948	950	952	991	1001	942	925	923	915	925	890	892	882	915	907	915	937	921	936	927	923	927	930
3	956	966	966	966	993	998	977	966	951	917	917	913	928	951	960	955	953	949	939	945	953	951	952	949	953
4 Q	949	949	954	955	949	949	945	946	945	945	946	944	944	944	944	944	944	944	941	939	939	939	944	944	945
5	944	947	955	960	962	966	955	955	955	878	933	924	944	949	947	947	944	944	933	933	933	949	949	944	944
6 Q	944	944	944	951	945	945	949	944	945	944	940	939	932	937	944	945	945	945	939	939	939	939	933	933	942
7 Q	933	933	933	934	933	933	933	921	901	878	913	924	928	928	928	928	928	928	932	933	933	933	932	932	926
8	933	933	933	931	930	928	928	933	889	910	901	847	868	896	896	912	924	928	932	933	933	933	932	931	917
9 Q	928	928	930	930	931	924	911	924	933	927	857	900	928	928	924	924	924	924	928	928	928	928	926	924	922
10	927	927	929	932	937	945	944	933	932	932	932	932	928	923	917	912	901	896	868	901	913	923	923	933	922
11	956	998	987	943	943	944	949	939	932	923	945	944	933	933	930	928	924	927	923	928	916	928	949	959	941
12	971	999	987	977	960	923	853	869	862	874	842	912	933	917	913	902	915	910	917	933	927	928	933	933	920
13	943	955	987	993	987	988	987	782	874	869	906	923	934	933	928	928	928	928	923	928	923	958	955	949	934
14	955	971	955	949	965	955	955	944	932	924	890	880	869	880	895	923	912	912	910	912	923	928	944	943	926
15	954	966	989	977	966	965	944	965	939	933	931	889	836	901	912	928	917	912	911	923	932	934	946	966	935
16	960	939	934	965	965	960	939	930	925	899	880	875	860	867	890	912	892	901	911	911	939	955	966	954	922
17	956	955	959	966	976	944	946	933	939	933	926	932	928	933	933	933	941	934	933	933	933	933	934	933	940
18 Q	933	933	933	933	933	933	934	934	932	933	928	931	927	923	923	928	924	924	931	933	933	934	934	943	931
19	944	945	977	966	966	977	978	965	951	939	910	897	864	869	906	932	918	918	923	928	933	940	955	971	936
20	986	998	966	944	939	934	934	934	933	933	933	933	932	923	912	921	921	923	933	933	933	933	933	933	937
21 D	934	934	934	934	934	934	934	934	934	933	932	924	921	921	889	696	728	874	912	933	944	955	966	955	912
22 D	971	1095	1025	1073	1003	955	642	826	823	874	859	917	815	739	723	891	939	959	955	953	877	1020	1018	986	914
23 D	986	998	977	955	955	955	863	880	917	801	771	847	890	857	907	897	912	933	956	977	946	960	966	960	919
24	949	948	949	954	955	956	921	928	912	933	912	857	863	898	923	933	939	943	944	949	949	955	955	949	932
25	954	945	955	951	944	956	955	902	847	890	911	907	912	912	933	953	944	939	944	944	949	949	954	954	933
26	954	949	954	954	951	945	945	954	913	900	933	941	933	939	939	912	923	890	880	912	923	955	955	977	935
27	977	966	956	1003	998	924	978	880	945	944	921	921	955	949	966	966	954	944	949	956	955	966	960	971	954
28	1016	1025	1030	1053	1008	977	954	846	943	943	913	912	944	923	935	956	946	933	949	982	987	998	966	966	963
29	966	956	966	971	977	955	960	965	955	939	921	830	890	944	954	955	944	944	943	949	947	956	956	977	947
30	976	966	971	965	965	967	956	944	923	932	906	933	939	939	941	939	932	924	923	927	933	933	951	966	944
31 D	960	966	1003	1049	1009	960	858	962	1181	685	836	955	944	874	982	977	912	858	921	939	960	960	987	981	947
Mean	954	962	962	964	960	952	931	923	930	907	906	910	911	911	919	922	921	923	928	935	935	946	949	951	934

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook January 1951

Day	Horizontal Intensity							Declination							Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	02	31	880	13	39	802	78	16	03	56.7	20	07	37.9	18.8	05	17	940	13	42	882	58
2 D	05	04	955	19	51	793	162	14	30	59.0	23	44	39.9	19.1	06	24	1030	12	51	858	172
3	04	36	890	19	14	791	99	05	24	65.6	00	17	39.9	25.7	04	41	1020	09	37	890	130
4 Q	23	02	872	19	09	829	43	03	11	53.9	23	26	41.3	12.6	03	22	965	21	59	933	32
5	00	46	868	09	35	747	121	16	27	54.8	09	28	37.2	17.6	08	10	966	09	37	827	139
6 Q	00	29	873	19	39	813	60	17	41	53.0	20	57	32.9	20.1	00	33	954	12	34	923	31
7 Q	22	22	852	08	52	790	62	17	19	49.3	08	40	34.9	14.4	04	07	941	08	59	833	108
8	14	49	885	08	30	736	149	09	04	59.6	08	32	37.0	22.6	16	26	940	11	49	788	152
9 Q	11	18	867	10	15	778	89	11	57	54.0	06	11	32.3	21.7	07	33	944	10	38	822	122
10	23	46	867	17	39	712	155	16	06	54.8	18	17	21.8	33.0	05	57	953	18	17	843	110
11	07	11	957	23	06	774	183	07	12	75.1	07	39	09.4	65.7	01	58	1030	07	38	835	195
12	01	40	984	08	56	512	472	09	34	69.6	10	07	08.2	61.4	02	37	1053	10	22	497	556
13	04	36	965	07	49	633	332	02	21	71.8	07	48	14.2	57.6	05	20	1063	07	37	706	357
14	04	30	891	13	32	647	244	04	11	61.7	13	56	35.2	26.5	01	46	986	12	03	810	176
15	05	42	945	12	23	729	216	03	02	76.3	12	18	30.8	45.5	05	43	1027	12	31	777	250
16	00	44	891	13	07	634	257	06	47	67.3	22	21	31.6	35.7	06	20	980	13	07	714	266
17	05	01	920	15	14	810	110	04	58	58.2	06	47	38.7	19.5	04	57	1009	07	14	898	111
18 Q	03	29	865	15	06	810	55	17	29	51.2	14	42	40.3	10.9	15	17	946	14	00	906	40
19	08	02	892	13	12	710	182	07	33	54.0	22	56	38.1	15.9	02	37	997	13	14	836	161
20	00	52	895	14	23	798	97	16	01	51.7	01	01	38.6	13.1	00	55	1012	14	51	891	121
21 D	21	02	873	15	30	552	321	13	22	49.5	15	37	10.2	39.3	22	27	985	15	30	588	397
22 D	03	21	1009	12	45	421	588	06	08	96.1	14	23	-9.7	105.8	01	49	1146	06	34	513	633
23 D	06	13	890	10	22	614	276	06	09	56.8	14	54	28.4	28.4	01	19	1027	10	21	672	355
24	06	27	889	12	47	723	166	05	12	59.8	12	56	34.0	25.8	05	54	972	12	47	817	155
25	15	41	871	08	18	691	180	03	05	58.1	08	11	31.4	26.7	16	32	966	08	12	815	151
26	23	19	886	18	26	734	152	15	43	54.8	18	53	22.0	32.8	23	21	1009	09	00	860	149
27	06	47	957	05	38	655	302	07	18	72.4	05	45	-0.9	73.3	03	51	1035	05	42	762	273
28	03	21	1176	11	17	707	469	03	24	58.8	03	29	18.6	40.2	02	25	1097	11	20	871	226
29	08	20	906	11	18	655	251	08	18	73.1	08	07	32.1	41.0	08	21	988	11	16	800	188
30	08	09	871	22	33	769	102	16	19	49.9	08	20	32.5	17.4	00	00	984	10	36	888	96
31 D								12	31	93.1	08	28	-14.6	107.7	08	26	1232	08	48	545	687
Mean			911			712	199			61.9			26.6	35.3			1007			794	213
No. days			30			30	30			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 1951

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	895	957	1071	1167	1106	1058	942	894	791	813	777	792	845	848	844	845	843	837	836	837	822	829	814	817	887
2 Q	840	848	846	851	856	848	844	840	841	840	840	836	840	841	844	846	846	836	833	825	819	821	824	833	839
3 Q	840	846	848	847	848	847	843	843	843	843	843	843	846	844	845	851	851	847	837	836	829	829	836	837	843
4	844	850	850	850	848	846	844	830	821	805	700	565	772	798	828	836	813	840	836	836	828	829	841	844	815
5	844	850	852	852	864	876	879	853	770	821	829	848	860	820	751	836	860	852	836	813	829	829	829	868	838
6	1007	1055	1093	1153	1004	805	851	518	773	809	498	727	821	843	852	848	836	829	836	840	833	837	837	850	848
7	860	848	844	860	866	867	860	853	843	844	841	840	844	843	837	844	836	836	836	821	836	851	852	840	846
8	843	844	852	852	848	844	844	859	813	852	822	798	809	860	844	773	642	688	797	797	828	825	851	836	818
9	859	864	875	875	868	868	868	844	828	836	809	789	712	787	743	681	813	853	774	759	773	892	867	844	820
10	840	875	876	847	868	907	958	938	822	836	829	814	829	813	836	837	836	821	805	801	836	837	843	828	847
11	852	856	852	864	852	861	861	852	822	805	829	836	825	825	836	829	774	734	774	778	813	851	843	836	828
12	850	899	899	977	961	907	883	853	828	805	783	766	661	680	685	821	833	805	774	829	833	844	837	822	826
13	867	848	860	875	883	882	829	829	853	836	759	627	681	852	860	856	837	825	821	813	829	829	836	829	826
14	860	844	852	852	852	853	845	844	844	838	829	844	844	844	843	844	840	829	821	836	836	829	829	841	841
15 Q	841	845	845	852	852	849	846	851	845	849	844	836	841	845	845	849	846	845	837	837	836	838	837	836	844
16 Q	844	845	845	845	844	845	848	848	848	848	849	850	852	853	850	846	845	845	845	844	843	844	837	838	846
17	837	845	845	846	846	846	846	845	846	852	853	853	849	841	845	854	853	846	853	845	845	837	841	837	846
18	833	838	853	854	854	863	870	861	863	820	702	730	792	823	784	824	839	818	822	831	854	853	854	853	829
19	846	846	846	846	838	854	853	855	850	778	676	846	855	854	862	858	852	846	850	846	858	858	846	839	840
20 Q	845	846	847	846	847	850	846	846	847	838	825	831	855	853	846	846	846	838	835	838	845	844	845	845	844
21	845	847	843	846	848	838	846	850	845	822	862	854	856	834	846	846	839	823	799	807	816	835	846	850	840
22 D	845	830	838	855	854	877	894	924	884	660	613	717	487	529	715	745	799	855	816	814	842	845	871	884	791
23 D	889	916	947	953	970	971	947	643	554	854	831	534	559	549	616	855	846	799	804	824	842	870	902	999	812
24 D	916	978	885	886	924	881	862	745	683	453	612	620	627	738	819	823	799	799	815	819	824	835	854	845	793
25	877	858	863	877	866	882	852	853	844	827	741	737	799	847	838	827	827	831	811	818	831	842	862	842	836
26	846	839	846	846	849	850	868	838	754	831	839	835	846	830	714	776	807	811	808	815	831	831	832	854	825
27 D	863	1010	1166	1033	1002	925	963	745	728	803	807	816	807	842	824	846	839	845	850	846	846	854	854	855	874
28 D	845	841	826	845	713	879	681	629	767	801	775	861	845	838	845	850	844	841	845	831	814	825	837	846	814
29																									
30																									
31																									
Mean	860	874	884	891	880	874	863	821	809	808	779	780	788	807	811	828	826	824	822	823	831	841	845	848	834

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 6 Meanook D = 24° E + . . . ' February 1951

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	39.2	43.6	41.3	41.6	41.6	47.3	42.7	53.1	46.2	51.7	46.8	48.9	50.8	48.9	50.8	50.3	50.9	50.8	48.9	46.9	44.1	40.2	40.2	40.7	46.1
2 Q	42.1	43.6	45.0	44.2	44.0	44.0	45.0	45.5	45.2	45.7	45.5	45.3	45.1	45.1	45.9	47.4	49.8	50.8	49.9	48.9	46.7	44.6	43.6	43.3	45.7
3 Q	42.7	42.6	42.1	43.6	44.5	46.0	44.5	44.9	45.0	46.0	46.0	46.0	45.1	45.0	45.9	46.0	48.0	49.3	46.9	45.5	43.0	41.2	42.3	43.6	44.8
4	44.0	44.0	44.0	44.0	44.0	44.1	44.1	45.9	47.4	51.7	54.1	47.9	43.1	56.1	52.8	41.5	35.4	38.3	41.1	44.0	41.6	41.6	43.2	43.0	44.9
5	43.2	43.5	44.1	44.9	44.0	43.1	45.1	44.0	45.0	48.3	48.9	49.7	46.7	42.0	39.1	46.1	52.8	48.9	47.4	43.2	38.2	37.4	36.5	40.3	44.3
6	40.2	41.3	41.6	33.5	39.2	48.0	43.1	23.9	47.9	47.9	53.6	44.1	47.4	46.8	45.5	46.0	45.9	44.5	45.9	45.8	44.5	44.0	45.0	44.0	43.7
7	43.5	42.6	42.7	43.2	41.1	44.0	41.3	42.3	43.1	43.2	47.9	48.0	48.3	48.6	48.8	47.9	46.9	47.0	44.0	39.2	38.1	41.3	43.2	44.0	44.2
8	45.0	46.9	46.5	45.1	44.8	44.0	44.9	44.9	43.4	43.1	50.2	44.0	47.5	52.8	52.7	52.1	35.4	29.2	35.9	31.7	38.2	37.4	39.2	44.0	43.3
9	44.1	45.5	56.5	42.1	45.9	45.1	53.7	42.2	46.8	42.6	41.2	51.7	62.3	56.5	56.5	53.8	42.6	47.9	41.1	39.7	32.7	37.4	39.7	40.3	46.2
10	43.1	43.6	50.9	44.1	44.1	43.2	37.8	50.7	36.2	42.9	47.4	47.4	47.0	51.4	51.4	49.9	48.4	47.9	44.0	38.1	40.1	38.2	37.4	43.0	44.5
11	42.1	40.2	64.8	51.3	43.1	45.9	56.0	50.3	47.9	39.2	44.0	46.4	48.0	46.4	48.4	49.8	45.1	33.6	34.4	34.4	36.8	37.3	39.3	37.7	44.3
12	43.2	46.1	40.3	45.0	46.1	60.4	42.1	43.6	47.4	40.3	46.0	45.9	52.2	48.8	45.1	50.8	48.9	48.9	44.0	43.5	40.7	42.1	41.6	43.2	45.7
13	42.6	41.2	48.9	50.8	42.2	45.6	34.5	45.1	49.8	49.8	43.6	41.2	51.7	51.9	51.6	47.4	44.5	42.7	44.2	42.8	41.3	39.6	40.3	46.0	45.0
14	42.0	41.5	44.1	44.0	43.9	46.0	41.2	44.0	45.7	44.9	43.5	45.4	46.9	46.9	47.9	47.9	48.9	49.4	46.0	46.0	44.1	42.0	42.1	44.2	44.9
15 Q	44.0	44.0	45.5	44.8	44.1	44.5	45.2	45.1	45.1	49.2	47.9	46.7	47.9	48.2	46.1	46.9	47.9	47.9	45.8	44.0	43.1	42.7	43.0	43.6	45.6
16 Q	43.3	43.1	44.0	44.0	44.0	44.1	44.8	44.5	45.1	45.4	44.9	46.5	46.0	46.5	46.8	47.9	46.5	46.0	43.6	43.3	42.4	43.0	43.1	43.7	44.7
17	43.5	43.5	44.0	44.5	44.5	44.5	44.0	44.0	45.7	46.9	46.8	47.0	47.4	45.0	45.9	46.0	46.0	45.5	42.1	43.1	41.4	40.1	41.3	43.0	44.4
18	41.3	40.2	41.2	40.6	43.4	46.0	43.7	46.0	46.9	46.9	57.5	67.6	69.0	51.8	48.0	45.5	44.1	40.7	34.5	36.4	39.0	40.1	44.1	46.1	45.9
19	46.5	45.6	44.5	44.4	45.0	45.9	45.0	44.0	45.0	43.8	55.7	53.8	52.5	51.8	47.0	46.9	46.0	42.2	41.7	39.7	40.1	41.2	42.5	43.9	45.6
20 Q	44.0	45.7	46.0	47.7	48.9	43.1	43.1	45.9	46.5	45.8	43.2	45.9	48.9	48.9	46.9	47.4	46.9	45.7	44.1	43.3	44.0	45.0	45.7	46.0	45.8
21	45.5	44.7	49.7	48.3	44.0	45.0	54.3	47.9	42.1	39.5	48.9	46.8	47.4	46.8	47.9	48.9	47.9	47.9	41.2	35.9	32.5	36.4	42.1	45.0	44.9
22 D	45.0	44.1	46.5	44.9	44.0	47.4	84.1	50.8	43.6	28.7	26.8	48.4	58.9	35.9	57.7	54.3	56.5	51.9	45.1	43.0	44.0	44.7	41.6	37.8	46.9
23 D	43.9	40.5	56.5	49.0	53.1	69.2	48.0	20.9	25.5	43.9	43.9	33.5	23.2	38.1	46.2	49.7	55.4	46.2	48.5	49.0	52.2	43.9	43.9	51.9	44.8
24 D	40.5	57.7	49.4	46.2	53.1	41.6	46.2	32.4	38.8	52.6	47.1	46.4	43.4	48.7	56.8	49.7	46.2	46.2	43.9	46.2	46.2	44.1	41.1	43.9	46.2
25	40.3	50.8	43.9	50.3	50.8	51.9	43.9	42.5	43.9	43.4	40.7	47.1	41.6	51.9	48.7	48.0	45.0	44.0	44.1	42.6	41.6	42.6	46.1	44.0	45.4
26	44.0	44.5	45.0	44.7	45.5	56.4	51.8	42.1	38.3	45.0	46.9	46.8	46.9	47.8	44.6	42.1	44.0	47.9	46.0	43.1	44.6	44.4	43.1	42.1	45.3
27 D	46.0	55.1	49.8	43.1	31.6	41.2	38.3	30.5	55.5	49.9	47.0	43.0	48.9	46.0	48.9	51.6	54.6	49.8	48.9	47.4	45.1	44.0	42.1	42.2	45.9
28 D	45.5	45.9	44.4	54.5	60.0	60.0	18.6	60.0	56.3	49.8	44.4	46.1	46.1	46.8	49.8	51.3	53.2	53.7	50.7	48.4	44.1	40.4	40.3	42.2	48.0
29																									
30																									
31																									
Mean	43.2	44.7	46.5	45.2	45.0	47.4	45.3	43.5	44.8	45.3	46.4	47.1	48.2	47.9	48.7	48.3	47.3	45.9	44.1	42.7	41.8	41.3	41.9	43.3	45.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook $Z = 58,000\ \gamma +$ February 1951

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	1003	1050	1019	901	878	923	890	987	923	955	939	917	955	966	966	956	951	940	943	944	944	966	955	945	951
2 Q	944	949	955	956	966	966	955	948	945	944	944	944	944	944	944	944	944	944	944	944	945	948	948	946	948
3 Q	944	944	944	944	944	945	944	944	944	944	944	944	943	944	943	941	939	939	939	939	939	939	939	938	942
4	931	928	928	928	925	925	925	923	909	866	801	763	828	801	796	851	860	882	909	925	930	930	937	935	889
5	934	936	934	928	937	973	968	941	871	866	887	903	914	871	806	845	882	908	909	908	925	941	963	999	915
6	1042	1044	1048	978	866	869	936	818	925	936	848	833	887	914	941	947	936	937	941	937	941	945	947	936	931
7	937	938	941	957	990	968	947	937	936	942	942	936	931	925	926	930	930	936	936	936	936	942	941	941	941
8	936	942	945	937	936	936	947	903	899	947	924	887	859	915	914	850	833	839	948	945	937	957	968	957	919
9	955	957	980	990	973	969	968	935	935	925	934	860	774	839	843	870	924	936	924	947	966	998	978	970	931
10	978	984	998	989	989	990	995	972	913	941	935	930	926	905	930	941	940	936	936	936	950	957	989	965	955
11	957	967	1017	1021	981	990	956	926	945	936	929	936	920	920	929	913	893	892	902	903	919	947	957	979	943
12	1000	990	1000	1011	1010	957	990	945	925	905	892	894	866	857	806	860	903	925	941	968	947	947	947	936	934
13	968	957	979	979	975	969	850	882	922	934	882	790	778	893	915	947	935	926	925	931	948	947	957	963	923
14	957	963	968	957	956	936	903	912	920	911	914	913	920	924	926	927	934	930	935	944	940	942	942	937	934
15 Q	936	931	930	937	934	934	944	948	937	925	925	920	914	920	925	924	924	926	925	924	926	927	930	931	929
16 Q	934	934	934	929	930	930	928	926	926	925	924	921	920	920	920	920	919	920	917	917	920	925	925	925	925
17	925	925	925	925	925	925	926	933	925	925	920	921	920	913	906	902	913	912	903	910	914	925	935	935	920
18	936	947	948	957	968	978	985	963	941	921	833	812	861	893	859	866	894	903	915	924	931	930	926	935	918
19	924	925	925	924	935	930	924	926	924	860	713	841	901	905	924	915	914	913	914	914	920	925	925	936	907
20 Q	941	936	936	936	925	920	921	920	903	905	850	898	905	913	910	909	913	914	920	920	920	921	920	920	916
21	917	919	923	926	935	925	903	913	901	850	903	921	914	914	913	914	914	914	914	921	925	922	926	930	915
22 D	937	963	948	936	936	978	876	898	949	882	730	833	810	817	763	758	831	926	929	936	963	979	968	1002	898
23 D	990	1011	1004	1000	990	990	947	785	742	887	903	855	785	687	840	923	947	947	952	984	1011	1000	1002	1027	925
24 D	1001	995	1006	993	984	957	957	764	828	853	855	839	844	827	882	914	905	947	947	947	938	936	938	959	917
25	978	873	947	957	926	902	944	947	930	914	817	864	882	903	925	921	921	922	920	917	926	935	968	943	924
26	931	925	926	935	956	926	947	920	810	860	914	914	925	905	859	883	893	907	926	935	957	953	937	947	916
27 D	968	1034	967	883	926	945	894	937	925	903	915	948	915	936	920	937	936	936	935	937	936	936	936	931	935
28 D	931	929	936	947	704	764	957	839	920	937	935	967	957	948	953	941	941	936	926	925	935	937	948	952	919
29																									
30																									
31																									
Mean	955	961	961	952	939	939	937	914	910	911	888	889	889	894	896	905	913	921	928	933	939	945	948	951	926

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Meanook February 1951

Day		Horizontal Intensity						Declination						Vertical Intensity					
		Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 24° E +			Minimum 24° E +		Range	Maximum 58,000 γ +			Minimum 58,000 γ +		Range
		h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1		03	18	1220	08	35	682	538	06	54	63.3	00	05	02.7	60.6	01	32	1082	06	27	717	365
2	Q	01	52	880	21	39	810	70	17	55	52.8	00	49	41.3	11.5	04	54	968	11	26	932	36
3	Q	16	06	857	20	44	817	40	17	14	52.3	21	29	39.7	12.6	05	15	955	16	14	927	28
4		17	05	860	11	07	425	435	12	54	73.9	11	11	30.0	43.9	22	58	941	11	08	648	293
5		23	59	954	14	09	663	291	15	43	56.3	19	58	31.7	24.6	05	18	1006	14	09	744	262
6		03	38	1163	07	35	220	943	05	10	77.2	07	35	00.7	76.5	00	20	1117	07	36	513	604
7		04	10	884	17	14	810	74	17	20	52.1	04	19	32.2	19.9	04	30	1026	17	21	914	112
8		07	43	894	16	57	570	324	15	13	56.8	17	10	18.5	38.3	22	42	992	16	08	772	220
9		22	09	956	15	13	596	360	12	34	67.6	20	29	28.5	39.1	21	46	1044	12	30	731	313
10		07	20	1067	19	42	773	294	07	36	68.3	08	20	22.1	46.2	22	42	1030	08	17	874	156
11		09	01	893	17	05	700	193	02	17	78.4	17	58	24.8	53.6	02	10	1065	17	00	812	253
12		03	42	1014	12	23	589	425	05	16	79.2	06	12	26.3	52.9	19	55	1106	13	53	785	321
13		05	50	916	12	00	512	404	05	50	60.7	06	23	14.1	46.6	02	26	1000	11	50	665	335
14		00	35	872	10	16	808	64	17	17	53.7	06	12	36.0	17.7	02	20	970	06	26	875	95
15	Q	09	23	858	23	01	821	37	09	19	51.8	08	49	42.1	09.7	07	53	961	12	02	900	61
16	Q	12	56	858	22	39	831	27	15	36	48.6	20	34	42.3	06.3	01	22	935	16	10	912	23
17		16	23	858	23	12	824	34	12	12	48.7	21	03	39.1	09.6	07	22	938	14	26	895	43
18		08	39	882	10	23	658	224	11	13	77.0	18	40	32.9	44.1	06	38	1005	10	35	783	222
19		12	04	878	10	32	570	308	10	44	73.8	09	44	34.1	39.7	05	48	953	10	31	621	332
20	Q	11	02	863	10	05	789	74	04	10	55.1	10	07	34.2	20.9	00	19	949	10	28	817	132
21		23	52	889	18	55	781	108	06	30	64.5	20	39	27.6	36.9	23	53	957	09	35	806	151
22	D	07	24	1007	12	28	186	821	06	32	96.4	09	53	-2.2	98.6	23	40	1044	10	23	619	425
23	D	02	20	1272	11	45	162	1110	05	41	76.5	07	48	-8.7	85.2	22	51	1080	08	05	467	613
24	D	01	31	1260	09	21	192	1068	01	35	90.1	08	04	-2.4	92.5	09	44	1107	07	35	505	602
25		00	16	978	11	02	625	353	05	14	76.0	10	59	27.5	48.5	00	21	1033	10	54	769	264
26		05	11	904	14	43	651	253	06	14	62.0	07	58	28.1	33.9	05	13	990	08	58	751	239
27	D	02	44	1238	07	31	253	985	01	08	70.7	08	01	-16.5	87.2	07	55	1170	03	31	740	430
28	D	06	00	1224	07	23	300	924	04	51	100.1	06	52	-16.6	116.7	06	51	1151	04	52	451	700
29																						
30																						
31																						
Mean				979			594	385			67.3			21.8	45.5			1021			748	273
No. days				28			28	28			28			28	28			28			28	28

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 9 Meanook H = 12,000 γ + March 1951

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	855	876	927	857	892	853	868	845	837	823	775	722	759	806	853	842	845	837	829	822	822	830	826	837	835
2 Q	841	841	844	845	845	845	844	845	845	844	845	830	806	830	813	841	844	830	834	829	822	830	830	833	836
3	834	844	845	844	845	838	830	849	830	830	837	780	854	851	845	844	830	835	830	830	830	830	834	834	836
4 Q	837	844	845	846	847	845	860	852	846	845	845	841	836	845	852	846	845	830	830	833	838	845	838	837	843
5 Q	844	848	852	852	852	852	867	868	852	850	847	843	845	846	841	843	844	840	836	836	836	836	843	844	847
6	852	863	860	860	860	930	935	929	813	875	844	829	820	821	836	852	852	837	830	821	829	836	846	843	853
7 D	847	845	835	836	846	844	849	851	867	852	758	594	388	419	774	842	769	796	785	800	825	917	855	855	785
8	844	859	855	843	843	843	734	774	785	431	623	735	719	750	641	769	765	795	816	820	832	890	852	882	779
9	886	874	875	874	898	944	874	821	804	625	648	665	749	742	828	828	835	842	836	812	819	836	867	1034	826
10 D	941	867	835	898	906	851	804	735	866	835	793	792	719	746	804	828	824	803	781	811	828	828	851	865	825
11	870	858	835	842	851	874	886	874	659	683	632	687	655	743	773	774	828	828	812	811	812	847	843	850	797
12	836	866	882	870	898	859	828	878	726	372	729	816	858	711	620	804	804	839	832	828	818	827	844	845	800
13 D	846	852	844	857	858	875	874	807	766	657	443	439	579	826	642	688	744	727	743	819	899	960	970	1066	783
14 D	891	845	843	868	926	883	812	715	835	797	593	587	614	556	720	786	692	762	795	819	957	880	886	922	791
15	1031	1148	1031	868	930	929	945	970	829	845	838	836	829	837	844	847	844	836	840	844	840	836	836	844	887
16	836	840	844	837	829	836	828	739	836	794	556	805	848	887	871	867	852	840	844	844	840	835	829	821	823
17	829	836	852	845	845	851	850	766	392	459	557	836	864	836	836	813	820	829	844	847	852	844	852	844	792
18	836	860	851	853	848	844	843	844	804	485	788	817	843	864	850	829	837	837	843	836	847	840	844	861	825
19	852	860	852	853	847	848	828	829	852	853	829	836	852	852	846	844	840	836	829	840	836	843	843	843	843
20	844	844	848	847	848	848	848	848	853	855	856	719	673	813	848	853	844	836	829	821	828	836	836	837	830
21 Q	845	844	845	848	853	853	853	841	826	845	853	853	865	868	869	868	857	841	838	836	830	830	830	830	847
22 D	844	853	876	872	892	978	923	865	853	845	628	432	580	787	852	830	791	712	744	798	880	884	897	1031	819
23	853	833	861	846	845	884	845	735	650	640	657	495	686	744	814	805	822	802	791	808	834	861	843	846	783
24	884	857	865	853	853	853	851	853	810	822	829	771	643	752	826	787	825	827	794	805	799	814	844	861	820
25	877	877	813	961	862	846	846	839	830	639	561	628	807	842	838	853	853	842	827	827	830	835	838	842	817
26	831	842	855	854	878	850	850	858	838	824	758	729	774	761	813	845	838	831	807	792	799	827	824	846	822
27	853	854	885	909	870	839	839	846	777	780	827	824	838	851	847	838	823	815	815	815	822	822	823	838	835
28 Q	838	846	850	847	846	845	842	842	843	846	846	845	838	850	845	853	839	827	823	815	822	819	839	838	839
29	845	850	855	870	910	936	816	795	648	714	831	850	810	627	636	771	799	792	780	823	849	866	877	881	810
30	882	894	877	871	881	900	893	855	877	852	846	835	854	862	866	863	846	830	828	827	824	831	835	838	857
31	846	843	848	847	847	848	871	851	843	821	857	859	855	855	850	839	839	824	820	831	832	832	840	829	843
Mean	860	863	861	860	866	865	852	833	797	750	746	746	763	786	806	826	822	818	816	823	836	847	849	867	823

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 10 Meanook D = 24° E + . . . ' March 1951

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	39.4	39.8	48.9	47.7	46.8	46.9	47.8	45.9	45.1	46.8	43.9	44.0	48.9	46.9	47.4	46.8	47.0	47.4	46.6	45.0	43.1	42.6	43.6	43.9	45.5
2 Q	43.2	43.6	43.8	44.0	44.1	44.2	44.4	48.9	46.4	44.0	44.9	43.0	41.2	46.1	43.1	44.0	47.0	44.0	43.2	43.6	44.0	43.9	43.7	42.6	44.2
3	43.1	43.3	44.0	44.0	44.1	44.0	61.3	46.0	46.1	47.0	46.1	37.3	47.5	46.9	47.0	46.5	45.5	47.0	45.5	44.2	43.3	43.2	43.2	44.0	45.4
4 Q	43.6	43.6	43.6	44.0	43.9	49.7	46.0	43.5	44.5	44.5	44.5	44.0	46.0	46.9	47.0	48.0	47.9	46.0	44.0	41.1	40.7	41.5	42.2	44.0	44.6
5 Q	44.0	44.0	43.9	43.9	44.0	43.3	53.7	47.5	43.2	43.2	45.0	44.9	45.0	47.0	48.9	48.4	46.9	46.9	43.5	41.3	41.1	40.8	42.0	42.1	44.8
6	42.6	42.4	42.8	42.6	43.0	46.9	42.6	44.9	43.6	44.0	50.7	52.1	44.5	51.3	55.0	53.7	53.6	50.3	43.2	41.6	42.1	41.1	41.2	42.1	45.7
7 D	43.0	43.3	44.5	47.4	42.2	42.1	42.6	43.1	44.0	46.9	53.7	49.8	82.6	65.2	60.4	53.8	51.7	42.0	34.5	37.2	36.4	42.1	42.1	40.2	47.1
8	44.0	42.1	47.9	44.0	43.6	44.5	28.0	46.9	49.8	38.2	54.0	58.9	50.3	47.8	52.7	44.6	39.2	43.1	42.6	41.2	39.3	44.5	42.0	39.2	44.5
9	45.0	40.2	42.0	45.5	45.9	45.5	47.9	48.9	46.5	58.5	47.9	42.1	45.0	50.3	49.8	51.9	48.9	44.4	44.5	43.1	43.2	41.5	36.8	43.6	45.8
10 D	38.3	37.9	37.8	44.0	85.4	43.6	44.5	38.3	46.5	44.0	45.5	41.3	45.0	48.4	45.5	52.2	49.8	47.8	43.6	43.5	41.3	39.2	40.7	38.8	45.1
11	36.3	45.0	43.5	41.6	42.0	55.6	59.4	40.2	35.8	44.0	49.3	60.9	59.3	48.4	47.8	45.0	51.8	47.9	44.0	43.2	38.8	42.1	42.6	41.2	46.1
12	41.6	41.8	61.3	41.1	41.7	46.9	56.5	46.1	51.6	34.0	40.1	50.9	49.8	46.1	36.8	49.8	49.9	45.0	44.0	42.6	39.2	37.3	38.8	38.2	44.6
13 D	37.7	43.0	40.8	42.1	46.1	46.8	44.9	38.4	39.2	58.0	57.6	91.6	72.9	58.5	53.7	31.6	41.2	38.3	41.2	36.3	43.6	49.9	43.1	41.2	47.4
14 D	44.0	42.1	40.2	39.2	61.7	49.8	44.6	28.7	46.9	48.4	45.1	61.8	56.2	55.1	61.3	60.5	41.2	39.1	43.0	42.2	50.3	37.8	37.4	33.0	45.8
15	36.5	40.2	32.4	41.1	43.6	39.2	41.3	38.5	42.6	44.4	45.9	46.0	46.0	48.4	49.7	49.9	50.8	49.8	48.9	45.5	45.2	44.1	43.3	43.1	44.0
16	43.5	43.6	43.0	43.6	45.5	43.0	46.8	46.8	52.8	48.9	76.2	66.6	55.6	55.6	53.9	51.7	49.2	46.0	41.2	41.6	39.2	37.2	38.3	38.8	47.9
17	41.6	43.2	42.6	42.2	41.1	41.3	42.0	61.3	58.5	79.5	57.0	47.9	49.3	47.9	46.9	44.0	42.1	41.2	41.8	41.2	42.0	41.2	40.7	40.3	46.5
18	41.8	41.1	41.3	52.7	42.0	42.6	43.1	46.0	56.6	32.7	47.4	57.4	53.8	48,9	50.3	48.0	47.0	46.5	44.0	41.3	41.5	41.3	40.3	40.7	45.3
19	49.3	46.5	44.0	51.7	44.0	42.1	51.6	50.8	47.0	45.0	42.2	42.6	45.1	45.5	46.9	48.4	50.3	49.1	46.9	44.9	43.0	43.1	43.5	44.0	46.1
20	43.6	43.2	43.2	44.0	45.0	43.7	44.7	44.0	44.0	44.0	43.0	51.6	65.2	52.7	51.8	50.5	48.4	46.9	44.0	42.0	40.2	40.7	41.2	41.5	45.8
21 Q	42.6	43.1	43.2	43.6	43.1	43.6	47.8	58.5	51.7	51.3	46.9	47.4	49.8	47.9	49.8	51.7	53.2	52.8	48.8	48.0	44.0	41.6	38.3	37.3	46.9
22 D	38.4	37.7	34.8	46.1	38.0	40.2	42.2	43.1	44.4	46.0	50.8	53.7	76.6	58.5	52.7	54.6	58.0	47.8	38.7	34.0	41.2	36.4	35.4	42.6	45.5
23	42.1	41.1	38.3	58.5	50.8	47.9	43.1	43.1	48.9	48.8	50.8	46.0	50.3	57.0	48.4	52.7	47.9	44.4	36.4	40.2	43.1	41.6	36.8	35.1	45.6
24	41.4	40.2	36.8	44.3	44.5	43.6	45.1	44.0	46.0	44.5	45.1	44.0	42.2	38.3	46.9	48.9	52.2	49.8	45.0	45.0	34.9	34.4	38.0	38.4	43.1
25	35.4	36.1	35.5	42.3	42.2	43.6	44.0	43.6	45.5	42.6	22.9	57.4	51.3	51.7	54.3	54.7	55.6	51.8	49.3	49.1	44.0	42.1	39.2	37.3	44.6
26	40.1	39.1	39.3	47.9	46.0	45.0	45.2	54.9	49.7	48.9	41.9	47.9	49.9	44.9	49.4	49.8	50.3	52.7	48.9	46.8	37.8	35.4	38.3	38.7	45.4
27	39.7	38.3	39.2	57.4	45.0	42.1	43.2	46.5	45.0	48.9	48.4	46.0	43.1	46.0	48.4	52.2	52.8	48.9	44.5	40.1	38.7	38.4	39.1	38.8	44.6
28 Q	40.5	41.1	43.1	42.4	42.3	42.6	43.2	43.2	44.9	44.9	44.9	45.0	46.0	47.0	48.4	52.7	53.7	52.8	48.4	44.5	40.3	38.3	37.8	39.2	44.5
29	40.7	41.1	41.1	40.7	40.7	40.7	39.2	37.8	71.9	59.4	47.3	47.9	52.3	51.7	44.0	48.9	48.1	49.0	45.0	39.2	37.3	35.4	35.7	33.0	44.5
30	31.3	35.9	36.1	37.0	35.3	37.3	38.3	42.7	45.5	41.2	45.5	48.9	48.0	48.4	50.3	50.7	52.7	50.9	48.7	45.9	42.4	40.7	39.6	40.1	43.1
31	40.7	41.7	42.5	42.7	43.1	42.8	44.0	46.9	48.9	56.1	48.9	47.3	46.0	47.0	48.5	48.4	51.3	46.5	44.1	44.0	42.5	41.1	41.1	42.2	45.3
Mean	41.1	41.5	42.0	44.8	45.1	44.2	45.5	45.1	47.5	47.4	47.5	50.5	51.8	49.8	49.6	49.5	49.2	47.0	44.1	42.6	41.4	40.7	40.2	40.2	45.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Meanook Z = 58,000 γ + March 1951

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	948	972	996	988	979	984	947	956	936	915	861	817	850	881	922	925	925	925	937	937	941	941	937	936	932
2 Q	928	928	928	928	928	928	928	926	925	914	915	913	873	903	903	926	926	920	919	921	924	928	934	935	921
3	930	930	930	930	930	936	922	933	898	881	908	844	902	920	923	921	920	921	925	926	928	926	931	930	919
4 Q	925	925	925	925	927	936	906	937	925	922	920	903	902	915	925	924	924	924	913	913	914	921	927	927	921
5 Q	925	925	925	925	925	936	967	947	941	931	925	915	915	924	921	921	914	915	914	924	925	925	925	925	926
6	931	931	930	936	956	1000	958	998	903	947	925	915	903	870	893	906	914	913	925	926	936	947	947	947	932
7 D	947	958	963	980	968	948	937	936	926	925	871	795	925	876	876	915	872	914	925	948	956	979	967	969	928
8	958	973	973	947	957	903	774	827	855	601	817	817	872	859	844	914	898	914	952	957	952	995	969	1017	898
9	979	968	1000	1000	1023	1022	936	903	860	764	893	828	828	806	914	914	948	947	948	947	968	975	979	1075	934
10 D	1054	1012	979	1012	947	978	753	840	936	924	882	887	871	886	936	930	936	938	947	973	969	961	979	979	938
11	1017	1017	979	968	968	903	850	924	871	817	742	806	747	769	785	779	876	935	930	957	957	958	948	952	894
12	947	957	991	957	979	894	917	942	893	866	731	871	914	812	839	871	893	925	936	947	957	963	958	957	913
13 D	968	979	961	963	980	1013	1000	855	839	785	689	526	624	764	742	785	815	860	936	1011	1027	1006	1065	1006	883
14 D	979	952	962	984	979	947	829	806	948	936	806	828	925	796	796	871	871	914	940	990	1062	1000	1002	985	921
15	1000	965	1065	1006	1006	1000	984	1014	999	957	947	945	941	944	947	947	941	940	935	937	937	935	936	938	965
16	936	936	935	936	952	945	912	797	871	816	639	828	871	908	925	925	921	920	925	936	935	947	947	948	900
17	947	937	936	936	936	937	936	902	1000	871	893	848	929	920	926	907	914	944	934	941	947	948	953	949	929
18	945	948	957	978	952	941	941	936	882	827	719	876	912	941	936	925	925	926	926	928	937	942	940	956	921
19	968	957	962	957	945	937	935	801	914	919	913	909	936	936	936	935	935	936	937	936	936	936	936	936	931
20	936	935	935	935	935	935	935	931	930	925	914	677	666	828	903	935	931	934	929	928	935	935	934	935	905
21 Q	930	930	930	930	930	930	936	866	848	892	914	903	913	925	925	928	928	935	930	925	910	924	924	927	918
22 D	936	937	973	994	999	1033	1022	957	935	925	855	715	646	790	892	894	895	892	942	926	950	1022	980	1022	922
23	957	945	969	979	956	969	941	883	770	745	806	742	655	753	850	871	917	925	940	944	986	1000	971	958	893
24	982	961	986	957	941	909	926	925	913	892	913	882	828	866	893	871	925	929	934	969	980	979	973	990	930
25	990	990	1012	993	989	952	957	936	925	806	736	763	855	905	913	936	947	947	935	928	930	930	931	952	923
26	957	950	953	972	993	978	952	898	893	908	872	816	867	872	894	914	913	925	925	936	956	947	947	952	925
27	956	967	990	968	936	936	925	898	797	806	872	894	914	925	925	925	914	914	924	925	925	925	930	935	918
28 Q	931	941	947	941	930	928	924	914	920	920	920	915	915	917	915	917	915	914	919	921	925	928	933	926	924
29	925	923	924	926	970	950	976	814	818	818	897	921	897	838	778	784	826	878	898	920	933	947	982	1000	898
30	972	991	969	961	976	979	984	950	924	909	917	903	915	919	925	929	928	925	930	930	930	930	930	928	940
31	933	929	926	923	923	934	945	922	869	844	903	921	920	921	917	909	903	912	915	913	917	920	925	925	915
Mean	956	954	962	959	959	952	928	906	899	868	855	843	859	874	891	902	910	921	930	939	948	952	953	959	920

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook — March 1951

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	02	22	1069	11	26	660	409	02	36	74.2	05	46	24.7	49.5	02	26	1115	11	29	775	340
2 Q	16	14	860	14	36	787	73	07	44	55.4	12	35	29.1	26.3	23	24	952	12	57	850	102
3	12	39	865	11	21	739	126	06	11	90.1	11	19	27.3	62.8	06	06	972	14	33	782	190
4 Q	06	05	901	23	01	826	75	05	48	65.5	19	52	39.8	25.7	05	41	964	06	15	861	103
5 Q	06	49	892	19	02	826	66	06	45	63.2	20	30	40.4	22.8	06	27	989	12	23	907	82
6	05	42	1005	08	34	674	331	14	55	59.2	06	11	35.9	23.3	07	03	1012	08	14	807	205
7 D	21	19	941	09	33	331	610	12	31	140.9	11	22	27.6	113.3	12	54	1227	13	42	579	648
8	21	47	945	09	34	133	812	10	07	86.4	09	55	-39.5	125.9	23	47	1036	09	50	408	628
9	23	23	1188	11	34	543	645	09	16	70.4	22	38	30.6	39.8	06	01	1119	09	28	709	410
10 D	06	35	1121	06	57	529	592	04	09	104.1	07	02	-37.0	141.1	00	11	1092	06	52	471	621
11	07	50	1006	10	13	412	594	05	34	76.7	08	01	-17.2	93.9	00	50	1097	10	13	327	770
12	04	55	1025	09	17	067	958	09	44	91.1	09	32	-17.0	108.1	04	58	1065	10	00	537	528
13 D	23	30	1199	12	00	366	833	12	00	130.0	15	43	17.6	112.4	22	13	1119	12	03	408	711
14 D	20	22	1021	13	14	444	577	12	14	72.2	06	59	07.9	64.3	20	43	1097	07	08	598	499
15	01	26	1285	12	59	810	475	06	42	56.2	02	40	20.7	35.5	02	45	1109	01	30	839	270
16	13	21	896	10	15	400	496								02	22	968	10	35	495	473
17	07	37	896	09	38	245	651	09	35	99.9	10	16	21.1	78.8	08	12	1318	10	37	681	637
18	23	20	898	09	26	136	762								09	16	1121	10	06	598	523
19	07	01	1018	07	13	683	335	06	59	79.0	07	13	16.1	62.9	03	03	1003	07	11	622	381
20	15	33	867	12	15	467	400	12	23	78.1	20	23	38.1	40.0	15	35	952	12	13	513	439
21 Q	07	14	881	07	53	802	79	07	11	72.4	23	56	36.3	36.1	06	43	947	08	56	817	130
22 D	23	45	1257	11	21	254	1003	12	09	107.0	11	16	19.5	87.5	23	40	1076	12	08	571	505
23	05	25	925	11	11	413	512	03	40	71.2	06	54	28.3	42.9	03	10	1044	13	08	671	373
24	23	13	927	12	14	572	355	16	05	58.4	13	10	27.6	30.8	02	58	1016	12	16	758	258
25	03	30	1124	10	40	439	685	11	32	70.2	10	31	08.6	61.6	03	30	1096	10	37	689	407
26	08	52	937	11	01	694	243	07	54	65.7	21	09	32.9	32.8	04	46	1039	11	22	783	256
27	03	32	991	08	56	734	257	03	40	102.7	08	21	32.3	70.4	03	32	1027	08	17	763	264
28 Q	13	39	858	19	57	800	58	16	59	56.4	22	26	36.0	20.4	02	05	963	07	46	901	62
29	05	07	1148	13	58	383	765	08	25	91.8	07	29	-22.5	114.3	23	15	1023	07	38	577	446
30	23	02	908	18	32	759	149	08	40	58.8	00	43	27.4	31.4	01	55	1021	09	01	834	187
31	06	26	891	09	14	790	101	09	44	62.7	00	24	39.1	23.6	06	25	963	09	26	803	160
Mean			991			539	452			79.6			18.3	61.3			1050			675	375
No. days			31			31	31			29			29	29			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 13 Meanook H = 12,000 γ + April 1951

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	847	843	846	847	848	847	848	849	854	749	831	855	859	862	867	863	851	832	824	827	832	832	834	832	841
2	854	864	896	917	896	896	867	804	560	765	777	855	797	637	668	762	747	800	839	840	804	846	867	871	810
3 D	917	1104	1012	839	840	855	917	703	668	575	441	602	578	812	874	839	715	692	781	816	858	910	882	913	798
4 D	898	886	874	918	871	878	602	396	656	718	656	666	399	454	793	797	738	855	832	839	847	855	878	1004	763
5	964	1038	1026	998	839	1012	941	559	637	465	515	684	785	668	610	816	855	839	836	832	815	842	847	847	803
6 D	890	871	855	917	885	856	886	575	575	423	504	560	419	708	833	778	786	785	769	771	847	824	845	973	756
7	949	949	1048	933	940	906	840	827	707	800	594	567	684	769	839	846	805	761	809	808	800	831	874	891	824
8	867	893	899	949	878	846	811	812	792	793	793	769	823	843	824	816	807	800	800	812	824	839	862	855	834
9	863	855	855	864	855	886	855	847	781	814	839	652	730	847	839	801	784	762	778	812	832	856	820	856	820
10	854	913	898	940	956															801	785	812	831	856	
11	867	863	863	894	925	928	863	838	851	832	832	836	846	839	831	839	832	820	823	817	817	843	859	902	853
12	892	886	926	879	840	840	843	848	832	840	841	837	833	829	801	817	840	819	825	833	836	825	865	914	848
13 D	981	903	904	985	930	891	864	840	816	833	833	634	240	311	763	872	871	833	860	847	825	864	840	887	809
14	934	879	886	868	879	887	734	685	840	646	653	732	801	844	844	857	844	829	817	826	832	837	844	841	818
15 Q	836	848	849	848	847	852	859	852	844	848	856	825	805	848	848	840	825	825	829	825	829	837	840	833	840
16 Q	846	855	855	855	855	851	847	851	851	855	859	863	860	860	855	849	843	834	823	821	825	847	821	836	847
17	879	879	849	850	872	865	852	849	825	773	805	810	817	840	860	856	833	821	808	802	816	817	833	840	835
18 D	853	845	847	847	854	855	863	901	792	697	411	040	232	683	761	715	710	777	791	814	831	902	901	959	745
19	1010	869	839	830	846	847	854	845	841	830	799	807	842	850	842	831	819	814	820	827	831	838	872	915	847
20	937	912	877	912	982	896	814	818	857	795	725	810	822	809	789	709	678	639	741	845	955	956	1118	916	846
21	926	1201	979	1009	994	972	761	782	815	633	312	168	240	366	651	815	838	838	834	831	858	832	838	979	770
22	1002	964	1019	979	851	790	829	384	654	621	621	692	707	637	691	793	738	699	824	890	976	894	894	910	794
23	856	896	941	984	893	906	765	843	839	835	839	840	840	832	829	852	847	833	820	812	808	840	804	828	849
24	952	953	945	952	966	941	948	919	811	652	589	518	500	347	401	730	847	909	831	795	835	828	896	902	790
25	992	1045	1229	1003	860	768	765	743	757	679	621	672	606	655	789	802	750	761	812	823	845	862	912	986	827
26	1139	1104	937	937	899	909	895	859	772	847	850	847	828	844	844	828	812	823	828	814	814	813	817	827	870
27	828	838	839	943	848	847	849	850	812	863	870	874	855	856	844	837	842	849	813	828	816	821	828	843	846
28 Q	867	866	866	849	839	839	843	846	855	850	863	846	861	867	862	854	847	837	829	823	835	837	838	849	849
29	840	856	868	837	843	840	843	847	834	817	820	819	817	804	835	803	812	844	831	828	828	835	844	851	833
30 Q	853	852	844	845	846	848	850	854	851	852	853	848	847	860	851	843	832	822	824	829	836	837	844	875	846
31																									
Mean	908	918	913	906	880	874	838	780	779	748	717	708	699	737	791	816	805	805	816	824	838	848	863	887	821

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 14 Meanook D = 24° E + . . . ' April 1951

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	43.5	43.2	44.0	43.5	43.2	43.1	43.1	43.6	45.9	49.8	51.7	48.9	46.9	48.8	50.8	51.7	51.7	51.6	45.7	42.2	42.5	40.7	38.2	38,1	45.5
2	37.8	33.6	39.2	46.9	43.6	45.0	45.0	41.1	36.8	47.9	54.7	48.9	53.2	43.1	46.5	52.2	53.6	40.7	43.6	48.4	39.7	37.3	36.5	36.3	43.8
3 D	36.4	48.8	42.1	39.7	40.1	33.5	40.7	38.8	43.1	44.4	47.9	68.6	54.6	44.0	47.9	51.7	53.2	38.3	32.6	40.2	42.1	43.1	40.2	39.2	43.8
4 D	41.3	42.1	44.9	53.6	46.1	49.8	37.2	40.1	42.3	53.7	41.2	47.0	50.8	29.7	43.1	49.8	52.7	50.8	46.0	42.1	42.8	43.6	42.6	40.2	44.7
5	52.2	34.0	58.0	45.5	55.6	39.2	40.6	28.7	40.2	38.8	61.3	45.3	50.3	61.3	46.9	50.8	54.1	53.7	49.3	46.6	47.6	45.5	41.2	39.1	46.9
6 D	42.1	46.9	39.2	43.6	65.2	54.8	44.9	37.3	40.3	56.5	42.1	46.0	44.9	33.5	48.9	49.8	52.7	44.5	47.9	40.2	41.2	34.3	34.5	41.6	44.7
7	42.6	38.2	36.0	54.1	40.3	45.3	48.6	45.7	32.6	41.2	58.5	41.2	60.5	50.3	51.2	54.5	55.0	50.3	38.8	40.1	36.1	36.8	38.3	37.3	44.7
8	43.0	35.3	42.1	45.4	46.0	43.4	42.5	61.8	50.3	47.5	44.0	52.8	48.9	47.0	49.8	52.7	51.3	44.0	41.2	39.1	36.4	35.9	38.7	37.3	44.9
9	38.3	42.1	41.1	43.1	63.3	43.1	41.2	36.4	37.1	51.9	45.5	52.7	49.3	51.7	52.8	52.7	49.8	43.1	34.2	34.9	37.0	38.4	38.9	37.1	44.0
10	37.4	47.4	49.3	41.6	44.1	44.1														42.6	35.9	36.7	37.8	36.8	
11	36.3	43.0	42.0	43.6	45.0	37.7	48.9	60.4	44.4	46.1	48.3	47.7	48.6	48.6	50.3	50.7	52.7	48.9	45.5	43.0	38.8	36.8	34.4	34.3	44.8
12	35.5	31.1	35.0	44.0	41.3	42.2	42.6	45.0	43.6	47.4	44.0	42.1	44.8	48.9	49.7	46.9	51.7	54.6	46.0	44.0	42.2	37.9	35.9	32.4	42.9
13 D	39.2	35.4	40.2	41.2	44.1	41.3	40.6	42.3	47.8	47.4	48.4	53.7	72.4	80.5	61.3	48.0	47.9	43.2	39.2	37.4	38.8	41.2	35.9	38.2	46.1
14	39.7	38.9	41.6	46.9	45.0	44.9	35.9	42.1	50.7	42.5	41.3	46.0	50.7	51.6	53.6	55.1	53.1	51.7	41.5	40.7	39.5	39.2	40.2	41.7	44.8
15 Q	43.2	41.7	42.0	43.1	48.9	48.8	43.1	43.1	42.0	44.0	47.9	44.9	46.9	53.7	55.0	54.5	50.3	47.9	40.2	38.3	37.9	38.3	39.2	40.3	44.8
16 Q	42.1	42.1	42.1	42.5	42.6	43.1	43.6	42.1	43.1	44.5	44.5	45.5	47.9	50.3	52.7	52.7	51.3	49.3	45.3	42.6	40.7	40.1	37.4	38.4	44.4
17	39.3	39.1	38.3	41.6	41.5	42.2	42.2	42.1	42.9	46.0	47.3	47.2	51.9	59.4	56.3	53.7	52.4	50.5	43.0	39.1	35.9	35.7	36.4	38.0	44.3
18 D	39.7	40.7	40.2	41.2	41.2	40.6	41.5	47.9	35.0	47.1	60.5	79.7	93.5	81.5	68.2	73.8	54.8	56.8	45.0	41.3	39.2	35.5	32.5	29.1	50.3
19	30.7	31.9	33.6	37.3	41.2	44.1	55.6	49.7	44.9	46.0	46.1	44.9	45.0	49.9	53.9	55.5	55.1	46.6	40.7	38.7	39.6	39.0	36.1	34.8	43.4
20	36.0	40.7	40.7	40.7	40.7	49.3	49.3	44.5	39.7	39.7	49.3	51.3	50.8	54.6	51.3	46.9	44.5	47.0	46.8	36.2	53.8	43.2	50.8	38.3	45.3
21	36.5	37.8	41.3	42.1	57.0	34.9	50.2	48.0	39.4	44.0	60.4	87.9	87.9	60.4	56.5	61.8	55.1	51.3	44.5	39.3	36.5	34.4	35.4	32.7	49.0
22	35.3	29.6	32.5	32.7	41.6	35.8	41.2	42.6	46.5	47.9	54.6	55.1	41.6	56.4	49.8	51.3	50.6	43.4	47.0	41.7	43.1	38.3	38.4	41.6	43.3
23	40.2	39.3	42.1	44.9	48.3	34.8	42.1	42.2	41.7	41.5	42.1	43.2	46.6	49.8	52.2	55.3	53.2	50.3	46.1	42.3	40.4	40.4	40.8	42.0	44.2
24	43.2	45.4	47.4	48.7	47.9	54.7	46.7	48.9	46.0	68.9	48.6	72.5	82.4	60.4	98.9	76.7	54.8	57.8	43.2	43.2	38.3	41.1	43.2	41.7	54.2
25	39.9	36.9	32.6	47.0	50.9	41.2	31.2	51.8	43.1	56.6	54.7	60.5	55.6	65.2	65.2	67.2	60.0	44.5	42.9	42.7	45.1	42.3	41.1	39.3	48.2
26	41.2	29.6	39.3	44.1	46.0	45.4	37.9	42.6	47.2	48.4	50.8	50.8	51.8	52.8	56.0	57.7	57.6	53.2	52.3	46.4	44.5	44.0	43.9	44.2	47.0
27	45.2	46.1	46.0	47.3	47.5	48.5	47.1	48.8	53.7	55.3	48.8	50.4	52.8	55.9	56.5	59.4	58.5	52.3	49.4	48.3	42.2	42.2	39.8	40.2	49.3
28 Q	42.2	45.1	46.5	46.6	47.0	46.6	46.5	47.1	47.5	50.7	49.4	47.5	55.2	55.6	54.7	54.7	54.2	53.7	48.4	45.2	42.3	40.7	40.5	40.4	47.8
29	41.3	44.1	48.0	60.4	47.0	45.1	45.7	46.0	47.4	52.3	49.4	47.0	48.3	54.7	60.0	58.0	48.9	48.9	49.6	47.9	45.4	43.4	41.2	41.1	48.4
30 Q	43.0	44.9	46.9	47.0	47.1	50.2	47.0	49.3	50.2	47.9	48.8	50.0	51.8	53.7	54.7	55.1	52.2	49.4	45.1	43.2	43.5	43.3	43.4	41.3	47.9
31																									
Mean	40.2	39.6	41.5	44.8	46.7	43.7	43.5	44.8	43.6	48.1	49.4	52.4	54.7	53.6	55.0	55.2	52.9	48.9	44.2	41.9	41.1	39.7	39.2	38.5	46.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Meanook $Z = 58,000\ \gamma +$ April 1951

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	899	903	901	897	898	899	897	887	871	801	791	867	886	887	887	889	887	886	876	876	877	888	897	904	881
2	909	931	982	1017	1006	972	867	877	866	824	801	871	849	788	748	735	719	774	865	894	902	940	947	924	875
3 D	941	985	983	920	915	824	870	936	899	791	795	903	887	877	898	898	848	867	909	902	953	980	975	964	905
4 D	949	929	951	918	806	817	813	806	680	807	844	769	634	607	720	800	826	925	899	893	914	925	953	899	841
5	942	962	833	910	772	768	845	726	709	715	812	856	827	811	778	886	903	903	887	893	919	983	976	937	856
6 D	967	969	968	1022	925	914	870	817	811	908	887	768	821	801	917	887	913	952	910	942	973	936	932	994	908
7	951	990	979	720	953	968	882	860	704	775	746	811	726	855	898	898	883	893	899	913	927	914	926	937	875
8	942	949	983	932	908	921	893	784	757	806	816	786	860	896	877	859	867	882	909	925	926	931	936	921	886
9	936	920	909	947	926	925	901	780	757	839	871	791	731	854	877	871	871	882	882	903	914	921	900	912	876
10	917	987	966	1012	1000	968														893	899	904	901	910	
11	931	950	942	950	939	940	855	817	877	845	860	877	882	880	877	894	894	893	895	897	893	906	914	953	898
12	957	979	996	980	923	898	893	894	866	844	886	878	869	877	845	855	892	903	898	898	910	911	918	933	904
13 D	1007	984	972	950	947	940	901	867	847	867	857	958	791	553	769	909	920	915	921	920	919	932	931	956	897
14	964	927	939	948	936	921	748	677	833	790	806	806	849	880	889	903	903	904	903	903	906	907	908	907	877
15 Q	906	904	903	903	903	906	906	906	903	929	929	919	871	877	909	920	920	920	920	920	920	920	920	920	911
16 Q	893	888	886	882	882	882	882	866	855	866	880	880	877	877	877	877	881	886	873	877	881	888	893	909	881
17	936	946	931	933	946	949	900	886	840	775	850	888	850	855	878	888	893	895	893	894	892	891	893	893	891
18 D	892	889	887	883	886	889	894	871	867	935	996	969	893	904	850	819	785	834	861	882	920	947	952	979	895
19	969	937	936	927	935	925	873	855	862	872	850	868	893	900	896	895	892	888	878	881	894	920	944	972	903
20	979	969	972	925	961	925	923	842	868	845	769	791	823	812	807	796	802	834	915	919	1001	1012	1012	974	895
21	958	947	979	909	839	904	769	810	869	719	440	842	654	809	727	828	899	925	925	933	937	929	931	976	852
22	982	990	887	936	751	805	899	795	795	763	764	860	819	766	847	895	873	885	936	979	969	925	947	936	875
23	927	958	968	952	948	914	828	904	903	893	894	897	904	904	893	899	899	903	904	894	894	914	905	905	908
24	908	905	904	905	908	894	904	849	636	668	618	832	832	678	668	765	850	919	933	947	930	931	944	963	845
25	979	990	851	826	802	802	1001	990	1006	808	935	905	904	866	882	849	847	887	911	925	947	968	1014	1032	914
26	958	893	1012	1001	977	937	897	883	872	872	893	915	893	895	904	893	889	889	888	887	887	887	886	894	908
27	894	893	892	889	890	904	899	883	860	861	894	897	876	878	863	850	860	880	867	887	892	894	909	922	885
28 Q	925	944	949	915	894	886	885	885	886	812	823	855	866	879	882	882	888	891	883	879	879	879	882	892	885
29	895	906	950	936	904	892	882	879	839	775	828	823	834	819	850	830	828	863	872	871	869	880	883	883	866
30 Q	882	882	882	882	882	882	882	877	866	872	877	882	876	881	881	881	881	881	881	881	881	881	881	886	880
31																									
Mean	937	939	935	921	902	897	878	852	835	823	828	861	837	833	848	864	869	888	896	904	915	922	928	934	885

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook — April 1951

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	23	09	874	09	54	599	275	10	16	60.6	23	15	34.8	25.8	23	18	921	09	52	693	228
2	22	33	962	08	17	398	564	06	02	62.5	20	54	28.6	33.9	03	15	1049	16	06	673	376
3 D	01	26	1201	10	54	289	912	11	19	93.3	09	44	09.3	84.0	07	38	1079	09	41	645	434
4 D	03	23	1050	07	16	148	902	07	45	101.6	07	34	-35.6	137.2	23	34	1054	07	29	511	543
5	00	02	1274	10	41	289	985	00	06	85.5	22	07	35.4	50.1	01	17	1024	03	48	413	611
6 D	06	07	1153	09	55	333	820	09	44	88.3	07	08	-12.7	101.0	09	15	1102	07	42	609	493
7	03	11	1152	11	13	426	726	03	14	95.5	08	25	13.4	8211	02	00	1028	03	15	526	502
8	03	26	1054	07	11	711	343	07	35	98.0	03	56	30.2	67.8	02	10	1001	07	46	660	341
9	07	26	1067	11	54	448	619	07	32	97.5	07	26	-24.3	121.8	07	36	984	07	55	488	496
10																					
11	03	56	1020	06	43	708	312	07	07	73.3	05	01	26.4	46.9	04	31	1006	06	54	756	250
12	23	56	961	14	44	762	199	17	35	58.2	00	57	22.5	35.7	03	16	1031	09	07	790	241
13 D	03	44	1064	13	15	206	858	13	32	130.3	07	24	22.0	108.3	11	41	1069	13	20	389	680
14	00	04	978	10	09	408	570	08	04	64.8	07	26	22.6	42.2	00	06	1049	07	19	605	444
15 Q	02	24	991	12	31	781	210	05	06	59.9	20	20	36.3	23.6	09	30	934	12	29	865	69
16 Q								16	00	52.4	23	00	36.3	16.1	23	50	927	08	00	855	72
17	01	14	898	09	16	697	201	14	06	61.6	08	41	28.1	33.5	00	50	969	09	10	683	286
18 D								11	39	113.2	10	29	28.4	84.8	11	47	1152	12	10	683	469
19	00	12	1095	10	58	739	356	06	37	63.0	00	42	25.2	37.8	00	10	1033	06	44	840	193
20								20	44	113.2	19	25	23.0	90.2	23	51	1073	16	42	703	370
21								12	03	145.3	12	22	14.5	130.8	13	09	1118	10	30	651	467
22	02	44	1252	07	09	230	1022	04	35	78.2	07	29	-1.6	79.8	00	50	1023	05	00	651	372
23	03	34	1086	06	17	648	438	03	48	70.2	06	19	16.7	53.5	03	10	1012	06	15	672	340
24								14	04	170.9	13	16	-2.5	173.4	12	04	1065	09	00	618	447
25	02	45	1304	06	41	384	920	07	29	92.9	06	49	-5.9	98.8	06	45	1175	05	10	667	508
26	01	04	1222	08	13	720	502	16	40	62.4	01	08	23.4	39.0	00	01	1079	07	55	731	348
27	23	15	922	08	36	669	253	09	09	62.0	23	18	37.9	24.1	23	15	960	08	36	776	184
28 Q	00	54	916	19	44	809	107	13	00	60.9	23	30	38.1	22.8	02	23	976	09	46	744	232
29	02	54	898	12	59	646	252	03	36	66.8	22	42	39.8	27.0	02	55	977	09	07	719	258
30 Q	23	54	889	17	28	810	79	14	49	56.7	23	49	40.2	16.5	06	46	894	08	03	852	42
31																					
Mean			1054			536	518			84.1			19.0	65.1			1026			671	355
No. days			24			27	27			29			29	29			29			29	29

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 17 Meanook $H = 12,000\ \gamma +$ May 1951

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	880	879	900	872	876	954	632	659	791	289	705	897	893	862	837	791	775	775	771	884	938	1117	1161	1214	848
2 D	1057	872	806	783	791	795	837	654	656	533	377	137	182	506	830	798	740	643	780	818	830	888	885	890	712
3	900	822	844	845	845	837	829	539	713	822	713	667	783	776	767	795	815	787	808	829	837	844	852	907	799
4	977	973	984	875	844	836	821	837	555	227	587	696	664	743	814	844	813	801	843	844	854	889	862	856	793
5	832	831	831	844	831	889	831	831	810	768	828	839	831	831	832	816	814	814	822	832	830	846	855	866	831
6	855	844	832	866	889	954	844	844	854	864	853	839	853	830	847	821	821	821	821	837	851	856	866	848	850
7	866	866	877	866	855	850	849	845	822	795	772	727	727	693	794	832	823	822	822	822	831	838	831	834	819
8 Q	834	838	842	845	846	845	838	838	839	839	830	827	831	854	843	842	831	815	808	813	818	826	828	838	834
9 D	836	846	844	853	853	853	855	838	627	679	651	753	834	831	823	823	823	803	811	820	806	924	1118	1023	830
10 D	859	827	854	877	1005	916	703	701	544	668	365	537	821	810	379	670	803	832	838	820	823	845	848	856	758
11	864	873	879	847	863	849	859	667	522	411	627	770	691	723	848	832	825	809	804	827	836	832	855	925	785
12	967	917	902	865	861	824	808	842	838	780	834	862	854	853	847	834	808	776	796	815	807	822	826	842	841
13 Q	843	842	848	839	836	839	846	847	817	818	825	846	847	847	842	841	829	818	816	812	820	815	825	825	833
14	832	851	886	906	902	878	851	846	837	816	827	832	835	824	815	809	816	797	808	808	816	886	854	952	845
15	890	937	1019	867	850	887	855	839	832	855	839	835	817	818	828	835	820	807	817	809	815	853	871	924	855
16	956	952	980	918	893	746	824	793	667	715	722	789	843	835	808	785	808	812	807	808	811	848	885	893	829
17	911	934	963	925	880	732	779	766	482	540	642	461	416	642	762	770	778	801	808	836	854	911	995	950	772
18	917	926	1025	856	823	825	833	833	798	826	847	853	860	854	841	833	828	817	808	809	825	794	825	852	846
19	854	864	879	865	855	840	793	840	825	836	840	838	833	809	832	825	802	801	798	800	802	828	833	836	830
20 Q	852	857	858	849	857	854	844	840	836	834	826	816	747	825	833	826	826	825	810	817	801	825	826	836	830
21 Q	848	864	860	857	848	848	848	848	848	845	841	847	833	825	828	833	825	801	783	779	801	805	814	838	832
22 Q	857	899	907	875	860	857	856	852	852	848	856	863	865	862	846	825	833	848	822	812	815	828	824	847	850
23	890	903	912	903	912	879	845	850	853	784	499	499	555	702	883	905	892	849	834	831	905	837	879	905	821
24	996	1025	912	850	890	905	850	834	780	699	834	849	845	892	892	858	862	833	837	829	829	830	834	853	859
25	856	853	849	845	844	849	856	802	834	849	842	845	850	850	839	853	841	834	823	826	810	837	892	892	845
26 D	834	849	849	861	853	857	857	856	857	857	857	752	826	848	882	837	717	760	783	791	811	802	1009	1246	852
27	1164	1156	1164	844	938	872	821	824	801	747	693	801	828	840	852	840	836	825	821	821	825	825	821	824	866
28	833	848	856	848	863	879	872	848	864	856	848	856	864	848	864	857	849	840	841	840	840	833	836	833	851
29	847	841	844	844	848	857	732	731	879	868	857	825	669	723	848	864	860	840	840	833	833	857	875	840	827
30	848	852	856	844	840	843	856	864	832	427	285	730	852	840	875	864	848	837	825	840	839	840	832	864	802
31	856	856	880	868	864	868	849	849	860	841	847	868	865	860	855	840	836	836	840	840	848	844	832	872	853
Mean	891	887	895	861	865	855	825	802	772	727	734	760	775	802	822	826	819	809	814	823	831	852	876	896	826

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 18 Meanook D = 24° E + . . . ' May 1951

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	40.2	38.2	38.4	42.2	38.8	69.1	67.2	45.5	38.3	-5.4	54.2	50.8	53.8	62.8	66.2	68.2	57.6	61.9	60.3	63.2	53.2	56.7	55.2	54.8	51.3
2 D	48.9	38.4	43.6	47.9	47.1	47.0	43.1	47.0	50.0	52.8	57.6	92.6	91.2	76.7	72.9	58.5	59.0	43.0	43.6	47.0	46.5	50.4	43.6	41.3	53.7
3	44.1	41.3	44.0	48.9	48.4	46.5	49.9	46.1	40.3	49.9	44.1	44.6	51.7	62.3	58.5	51.8	55.6	55.6	50.7	37.6	36.7	38.7	38.7	35.7	46.7
4	36.7	29.5	32.9	37.8	43.3	42.5	40.5	42.5	40.5	47.2	62.6	62.6	59.8	55.0	54.0	54.0	54.5	50.2	45.9	40.6	35.7	37.4	38.6	39.7	45.2
5	40.4	40.4	41.4	41.0	43.4	33.0	42.4	42.5	41.4	44.2	45.3	46.2	48.2	49.2	52.1	52.9	50.2	47.3	45.1	42.5	28.0	40.8	38.7	37.8	43.1
6	39.2	39.2	42.7	42.7	46.9	42.7	23.5	53.6	47.1	44.6	44.8	45.9	47.1	48.3	49.5	50.2	49.2	45.9	42.9	39.3	37.2	35.7	35.9	37.2	43.0
7	39.2	39.1	39.2	42.6	49.7	43.4	42.2	41.5	46.8	55.2	47.3	54.5	48.3	46.8	52.7	53.2	52.7	52.1	46.5	41.5	40.6	39.0	37.7	36.8	45.4
8 Q	37.8	38.7	40.5	41.0	42.2	42.3	41.3	41.3	42.1	44.5	44.5	46.8	48.7	50.0	52.0	51.5	51.1	47.3	47.3	42.1	38.8	37.1	36.1	35.7	43.4
9 D	37.6	37.6	39.1	43.7	40.9	40.8	41.1	47.7	80.2	62.2	60.1	55.9	54.3	55.4	56.4	58.3	57.8	49.8	44.8	45.8	30.0	27.6	22.2	37.4	46.9
10 D	36.2	35.5	37.0	40.3	45.1	51.6	47.8	41.0	21.3	47.7	34.0	47.1	55.4	49.8	50.9	46.3	50.9	49.8	44.4	38.1	36.1	35.9	35.8	38.6	42.4
11	39.7	42.5	42.1	42.1	41.2	44.7	45.5	47.4	49.1	54.7	47.4	47.6	51.4	48.5	51.8	52.6	52.4	47.7	40.5	36.7	38.1	34.6	35.4	36.7	44.6
12	44.1	40.9	41.0	40.9	54.0	52.2	38.6	43.4	44.4	42.8	43.4	43.0	46.8	50.7	54.4	55.4	57.2	48.7	38.1	35.3	35.3	37.9	37.3	37.5	44.3
13 Q	40.9	41.0	42.9	43.1	42.8	43.3	48.7	48.5	44.9	44.7	40.1	43.9	45.9	48.8	50.7	50.6	50.2	48.9	44.9	41.0	38.5	36.6	36.7	35.6	43.9
14	35.5	38.4	41.9	52.7	39.6	39.1	40.3	39.1	47.8	39.6	43.4	47.0	49.7	52.1	53.4	54.5	56.7	48.7	37.2	40.9	36.0	37.2	34.1	35.6	43.4
15	28.3	26.1	41.0	37.5	36.2	44.4	43.9	38.7	38.2	40.4	43.1	44.9	48.7	46.9	51.6	52.3	53.8	47.3	43.4	40.5	33.8	32.3	33.5	34.8	40.9
16	33.5	33.9	37.8	35.4	38.2	34.3	41.2	38.9	38.3	39.0	57.7	46.7	47.2	47.8	50.5	47.6	46.3	44.3	44.8	37.2	36.1	35.1	35.7	38.3	41.1
17	32.4	32.6	36.1	35.8	38.1	55.3	44.8	42.1	32.9	53.5	45.9	71.8	70.0	53.5	57.3	54.5	50.6	51.1	45.8	42.0	40.3	42.0	41.0	35.3	46.0
18	36.0	34.1	37.4	45.1	38.2	40.3	39.2	40.2	43.8	39.9	41.0	40.1	43.9	45.3	48.0	51.6	49.9	47.8	43.7	40.1	38.9	35.2	34.1	34.5	41.2
19	35.3	41.1	36.7	39.1	40.6	41.2	39.2	41.5	42.6	41.9	41.6	43.9	45.4	47.3	50.5	50.6	50.2	46.3	41.5	38.7	32.5	33.2	34.8	35.9	41.3
20 Q	37.4	38.2	39.2	40.5	39.9	41.0	39.6	45.8	43.1	42.6	39.4	45.4	40.5	51.5	56.2	57.9	54.5	49.2	44.3	40.4	34.3	32.9	32.9	33.3	42.5
21 Q	34.3	35.7	40.1	38.9	40.8	40.1	39.7	38.6	40.5	41.0	41.0	43.9	46.2	48.4	51.3	53.1	52.6	49.1	44.0	38.1	33.8	32.4	30.1	30.5	41.0
22 Q	32.3	33.3	39.6	39.1	39.7	38.1	38.1	38.7	40.1	41.0	42.1	44.4	48.2	50.6	54.2	58.6	53.1	46.2	44.1	41.1	38.2	35.3	32.8	32.9	41.7
23	34.2	36.3	36.3	38.6	43.9	41.3	40.5	39.7	38.4	38.0	54.0	62.9	62.3	67.7	58.3	57.7	56.4	53.1	52.6	37.7	32.2	28.5	30.1	32.6	44.7
24	34.5	37.3	44.5	45.3	44.9	47.8	46.3	42.8	51.1	44.0	46.7	40.8	43.5	50.0	54.3	53.2	53.6	49.7	45.8	42.6	38.7	35.9	36.7	37.3	44.5
25	39.1	39.6	42.5	41.7	42.4	45.3	51.6	43.8	44.4	42.9	42.8	44.0	46.0	49.7	51.0	52.6	49.7	46.8	43.3	42.8	32.9	30.5	31.0	28.5	42.7
26 D	30.2	34.4	35.7	36.6	38.6	40.1	40.1	39.7	40.3	39.6	39.6	38.1	48.2	57.8	61.8	64.6	51.6	39.8	40.6	50.2	32.9	21.4	37.2	32.0	41.3
27	30.1	30.1	36.2	30.0	36.7	42.9	42.0	41.5	42.6	42.6	53.0	44.4	47.8	52.0	55.0	56.9	55.0	52.1	46.3	43.4	41.5	38.2	36.7	36.6	43.1
28	35.7	37.7	38.6	38.7	37.2	35.3	37.8	38.6	40.5	43.4	44.4	46.4	48.2	51.6	53.0	53.0	51.2	48.2	43.8	41.5	39.3	38.7	37.8	37.8	42.4
29	38.2	39.9	41.4	41.5	41.0	40.1	55.9	45.3	44.5	42.9	43.9	42.9	46.3	58.2	56.9	56.9	53.1	47.9	40.6	38.6	34.9	35.8	34.9	37.1	44.1
30	38.1	39.6	40.6	40.1	40.0	39.6	40.2	47.8	55.1	43.3	76.2	57.2	55.9	59.7	53.9	50.4	47.7	44.9	41.0	36.8	37.8	34.1	34.6	37.6	45.5
31	38.7	40.9	43.2	43.3	41.3	42.0	41.4	40.6	42.0	37.7	43.1	47.4	51.0	51.7	50.6	49.6	45.4	42.6	39.9	36.6	35.1	34.5	35.2	36.3	42.1
Mean	37.1	37.1	39.8	41.1	42.0	43.5	43.0	42.9	43.6	43.2	47.2	49.5	51.3	53.1	54.5	54.2	52.6	48.5	44.4	41.3	36.9	36.2	36.0	36.5	44.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Meanook $Z = 58,000\ \gamma +$ May 1951

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	867	920	943	942	905	757	520	896	912	1084	909	910	912	894	878	851	840	857	915	954	986	927	796	796	882
2 D	688	878	889	877	889	889	912	732	802	954	912	698	813	803	895	868	857	781	863	884	927	921	910	910	856
3	908	894	893	878	864	867	846	683	677	812	754	723	792	815	834	840	805	793	793	920	916	920	929	958	838
4	974	984	961	873	910	833	867	888	780	754	737	753	823	834	845	882	899	905	910	921	925	919	926	908	875
5	902	904	904	904	920	877	899	899	837	757	855	889	890	902	900	888	898	893	913	913	917	920	929	954	894
6	976	945	919	937	976	976	879	903	893	926	926	926	923	910	893	895	898	900	885	899	914	916	914	904	918
7	909	914	917	936	929	919	899	888	790	780	782	753	779	782	823	879	904	908	899	896	898	899	908	919	871
8 Q	909	910	908	908	908	904	900	898	888	871	850	865	872	887	888	882	882	877	877	879	881	882	893	896	888
9 D	902	900	898	895	893	888	888	887	721	882	770	758	835	854	865	865	861	872	866	863	880	913	998	975	872
10 D	904	896	891	904	857	814	721	857	1084	1004	937	784	855	863	741	796	872	888	882	893	913	917	909	906	879
11	913	910	917	926	926	910	904	792	704	734	764	784	778	869	893	882	877	889	872	896	914	915	932	956	869
12	953	942	961	949	872	785	708	832	848	778	833	886	892	892	888	876	872	861	872	882	882	882	891	895	872
13 Q	903	895	896	895	896	895	882	872	828	796	831	876	893	893	893	880	869	866	866	882	882	882	892	892	877
14	888	893	917	943	948	947	919	888	872	832	877	893	896	882	868	850	854	857	857	865	886	935	966	980	896
15	975	1006	992	956	945	915	889	882	888	888	878	878	872	868	876	882	887	889	887	888	899	919	936	947	910
16	961	936	985	964	962	941	893	858	757	728	688	777	858	869	849	845	873	893	904	908	908	931	941	950	882
17	947	962	977	984	893	792	838	877	715	833	846	757	828	812	833	858	876	920	936	937	958	990	1017	990	891
18	962	942	969	919	899	889	879	876	817	838	872	887	893	899	898	888	878	888	879	881	893	889	895	913	894
19	915	915	926	932	936	863	854	876	826	865	882	887	884	865	876	887	887	887	878	879	880	893	903	892	881
20 Q	893	898	904	908	921	923	904	891	888	878	865	833	807	848	867	872	866	866	865	872	887	904	910	912	883
21 Q	913	913	912	912	909	904	891	890	882	868	866	867	867	846	854	865	868	876	876	877	886	893	893	902	885
22 Q	908	923	945	918	913	904	904	895	891	878	876	887	887	882	876	857	855	866	861	865	869	875	877	888	888
23	904	921	927	930	930	920	888	880	877	854	794	980	1048	838	908	913	909	888	888	902	953	945	923	922	910
24	939	980	961	929	935	920	898	880	828	750	833	862	865	876	876	871	873	868	866	865	871	876	887	892	883
25	888	886	884	881	877	877	857	791	823	865	877	877	877	876	866	873	866	869	857	873	878	882	905	915	872
26 D	941	921	888	909	889	888	899	888	882	866	866	770	823	832	850	845	737	767	833	860	925	964	958	942	873
27	899	908	878	812	930	931	900	899	888	855	764	855	888	899	900	899	893	882	880	875	874	881	888	890	882
28	895	903	914	909	920	926	916	899	898	893	893	889	888	882	886	886	882	878	878	873	876	878	887	887	893
29	887	887	887	882	888	892	737	694	866	898	891	867	725	737	807	866	887	888	888	888	884	898	919	921	858
30	913	899	887	882	882	882	888	882	775	597	823	823	833	835	882	878	878	878	878	890	895	906	898	899	862
31	887	882	900	920	918	921	900	882	872	857	829	867	878	877	876	876	873	872	867	867	865	866	876	887	880
Mean	910	918	921	913	911	889	861	860	839	844	841	841	860	859	867	871	870	872	877	889	901	908	913	916	881

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook May 1951

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	22	46	1294	09	25	034	1260	05	46	96.1	02	43	-6.3	102.4							
2 D	00	01	1218	11	32	049	1169	12	06	173.6	12	59	16.7	156.9	09	27	1031	11	24	366	665
3	23	54	1010	07	51	260	750	13	28	65.6	08	06	09.7	55.9	23	55	974	08	55	253	721
4	02	14	1065	09	42	017	1048	10	07	90.4	09	44	07.6	82.8	11	02	1039	10	11	608	431
5	05	39	981	09	11	689	292	15	29	55.3	05	46	15.8	39.5	00	00	958	09	10	693	265
6	05	15	971	06	48	636	335	07	31	80.5	06	38	05.2	75.3	08	31	990	06	40	715	275
7	02	50	959	13	53	671	288	11	39	114.1	23	21	36.3	77.8	03	17	971	12	11	696	275
8 Q	13	26	863	19	43	799	64	16	09	53.1	23	13	35.1	18.0	00	01	919	10	35	834	85
9 D	23	59	1286	09	05	418	868	08	16	93.3	22	00	16.8	76.5	23	52	1087	09	09	599	488
10 D	06	45	1023	08	00	307	716	14	49	24.7	08	20	18.0	06.7	08	32	1150	06	30	615	535
11	23	11	1018	09	55	291	727	09	45	87.6	08	56	09.4	78.2	23	52	999	10	57	556	443
12	00	14	1019	09	34	738	281	04	32	68.7	07	03	27.3	41.4	00	12	1001	06	48	664	337
13 Q	02	55	971	09	50	793	178	15	25	53.5	23	59	34.6	18.9	00	25	914	09	51	766	148
14	23	37	985	09	20	722	263	03	16	60.1	09	08	25.6	34.5	03	15	1014	10	14	753	261
15	02	18	1182	20	17	786	396	16	49	59.6	01	16	24.3	35.3	02	57	1055	09	19	865	190
16	02	45	1083	09	04	585	498	10	36	67.6	04	05	13.1	54.5	00	54	1020	08	50	606	414
17	02	03	997	11	51	337	663	11	48	97.4	08	35	-30.0	127.4	22	25	1075	09	50	590	485
18	02	39	1140	08	16	762	378	03	11	66.9	02	39	-30.7	97.6	02	15	1001	08	23	794	207
19	05	43	893	06	27	750	143	15	26	52.5	06	01	13.3	39.2	04	05	961	05	49	743	218
20 Q	05	03	868	12	29	710	158	15	40	59.2	21	56	32.0	27.2	05	00	932	12	20	759	173
21 Q	01	13	867	19	17	766	101	16	04	54.8	23	06	29.0	25.8	01	56	919	13	35	836	83
22 Q	02	00	924	19	19	804	120	15	45	62.0	01	04	31.1	30.9	02	18	969	16	00	848	121
23	07	12	915	10	25	495	420	12	16	84.4	20	19	22.1	62.3	12	08	1228	10	30	688	540
24	01	29	1034	09	49	710	324	14	46	62.0	09	18	27.9	34.1	01	25	1012	09	26	638	374
25	22	38	954	07	23	680	274	06	45	65.8	23	36	25.7	40.1	00	00	941	07	26	728	213
26 D	23	54	1332	16	44	636	696	15	33	68.8	21	30	08.5	60.3	22	36	1015	16	47	663	352
27	00	02	1296	03	19	485	811	03	36	76.4	03	19	-31.4	107.8	03	35	1092	03	14	508	584
28	06	32	899	17	52	805	94	14	55	55.2	07	04	33.4	21.8	06	30	942	09	57	867	75
29	22	50	918	06	56	533	385	06	40	78.9	06	19	24.0	54.9	06	04	958	06	54	521	437
30	07	53	942	10	10	135	807	10	16	139.3	09	18	-31.7	171.0	10	49	1049	09	10	335	714
31	02	10	906	10	00	814	92	13	05	54.9	09	41	28.9	26.0	05	33	942	09	50	779	163
Mean			1026			555	471			74.9			14.2	60.7			1005			663	342
No. days			31			31	31			31			31	31			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 21 Meanook — H = 12,000 γ + — June 1951

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	865	872	868	872	899	887	883	883	872	848	790	692	808	826	816	810	852	841	833	813	805	798	856	864	840
2	872	865	879	961	1074	1012	950	798	570	602	533	548	746	736	860	856	848	817	833	848	818	887	895	934	823
3	986	892	864	857	865	818	794	809	819	824	821	794	778	750	832	848	847	833	822	825	825	822	840	848	834
4	855	863	872	848	855	848	852	844	809	825	840	842	855	864	864	833	801	817	846	857	857	875	889	900	850
5	925	914	896	868	868	868	868	873	875	875	880	886	889	886	866	859	857	846	817	825	848	833	849	864	868
6 D	864	872	879	903	900	856	556	546	662	677	512	601	625	653	770	888	867	847	836	833	833	833	854	860	772
7	875	864	887	896	974	872	748	810	855	860	864	856	852	766	844	869	865	868	841	833	823	847	823	872	853
8	897	919	945	1045	1066	857	789	841	849	849	853	849	837	842	856	841	802	818	826	825	837	838	864	865	867
9	849	865	951	896	841	834	837	841	834	811	787	802	818	845	849	827	834	829	829	825	825	834	841	849	840
10 Q	862	865	851	847	849	850	853	857	861	861	873	842	826	849	869	873	857	834	818	818	818	822	837	873	849
11	881	874	877	881	874	859	858	859	850	838	828	811	840	832	832	813	835	820	811	800	815	842	858	873	844
12	896	998	897	881	897	849	866	792	636	596	619	620	714	820	881	866	862	842	826	818	800	816	846	835	811
13	860	847	843	843	851	855	893	889	873	843	750	788	777	750	874	867	871	855	831	825	831	824	824	846	838
14	844	855	858	859	859	855	846	846	845	843	835	838	842	851	853	846	839	818	801	824	804	855	1023	1036	857
15	964	964	846	822	858	863	804	889	814	867	833	804	744	708	629	753	783	856	839	853	856	875	886	877	833
16	1002	941	833	836	836	859	899	844	806	754	607	612	744	828	822	852	867	846	831	826	824	839	869	901	828
17 D	888	910	888	839	840	841	850	853	848	850	859	863	867	878	878	868	847	831	816	860	856	902	1013	1274	884
18 D	1467	1308	1252	980	852	551	710	667	575	890	906	906	888	885	882	885	867	829	843	823	830	835	853	869	890
19 D	877	861	888	1065	980	836	649	637	540	315	473	695	806	799	814	842	833	847	836	818	829	837	831	849	782
20 Q	853	902	873	846	836	836	836	839	843	848	850	860	870	871	867	857	839	828	818	820	822	853	872	846	849
21	846	859	871	847	849	880	849	822	867	858	857	857	856	846	837	824	834	828	815	808	819	831	843	864	844
22 Q	849	856	872	858	849	855	846	855	855	754	818	859	835	807	856	883	875	853	846	833	831	842	831	860	845
23 Q	878	892	914	893	860	849	851	855	852	855	855	855	856	859	861	869	877	867	857	833	828	822	817	832	858
24 Q	849	843	857	846	849	848	848	854	859	857	857	812	828	877	880	878	866	853	843	842	849	838	847	827	850
25 D	851	896	890	859	891	969	700	801	902	832	624	489	579	844	763	633	797	830	786	828	822	903	910	861	803
26	857	882	867	853	868	978	911	815	663	785	708	773	843	867	871	859	878	859	859	863	858	827	824	828	842
27	844	870	870	863	859	887	874	846	876	863	857	854	849	822	814	871	874	860	840	844	832	839	842	844	854
28	875	862	842	842	857	852	830	868	884	877	863	839	817	848	830	830	823	830	842	851	835	835	846	879	848
29	842	856	867	887	860	863	860	858	858	854	851	847	771	835	862	863	860	842	822	815	803	832	870	845	847
30	846	876	847	859	869	888	855	855	853	848	846	829	838	865	865	865	863	847	816	812	816	829	846	877	850
31																									
Mean	897	898	888	882	883	859	826	822	804	802	782	784	807	824	840	844	847	840	829	830	828	842	863	882	842

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 22 Meanook D = 24° E + . . . ' June 1951

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	38.4	36.9	38.5	38.5	44.6	58.9	42.8	36.9	39.8	43.2	44.6	51.4	53.9	57.2	56.3	53.4	51.4	51.0	45.6	45.2	40.8	31.2	35.0	36.5	44.7
2	39.0	40.8	39.7	36.0	38.9	36.1	39.3	36.1	36.0	35.9	53.3	57.1	52.3	54.2	52.3	55.8	51.5	49.4	41.7	45.6	37.4	41.7	36.5	36.0	43.4
3	36.0	43.7	41.7	41.7	40.8	39.3	39.7	45.6	46.1	42.7	43.2	42.2	44.6	43.6	51.3	57.2	57.1	54.2	48.9	43.8	39.3	37.9	38.0	38.9	44.1
4	40.6	43.2	43.6	43.2	43.8	49.5	42.8	43.1	45.6	40.7	44.5	45.6	51.4	55.7	55.7	58.2	57.6	45.6	40.2	41.6	37.4	36.9	37.4	34.3	44.9
5	35.3	37.8	40.4	41.4	44.3	47.8	50.8	42.7	42.7	42.5	43.2	44.3	49.0	53.7	51.4	53.7	51.4	47.8	44.1	40.8	40.8	36.5	34.5	35.5	43.9
6 D	34.7	37.8	42.2	43.1	41.6	49.6	61.9	62.9	47.6	45.1	52.7	49.5	42.8	72.0	63.0	62.4	58.6	48.0	37.9	36.3	34.1	35.3	37.6	38.6	47.3
7	40.8	40.7	42.2	42.1	37.6	38.9	51.8	53.3	50.3	46.0	42.1	44.1	44.5	50.9	50.1	55.4	56.8	52.3	47.5	42.8	40.8	39.8	38.9	39.5	45.4
8	43.7	43.8	37.9	41.3	42.7	44.6	64.7	41.7	41.7	41.7	41.8	44.2	46.5	50.9	56.3	61.1	57.2	49.4	45.6	46.5	40.8	39.0	38.3	37.4	45.8
9	37.2	39.9	44.6	45.6	41.7	41.4	41.3	40.9	43.4	47.0	47.0	46.5	48.2	48.5	51.4	51.4	49.9	48.5	44.6	43.6	40.7	38.9	38.0	36.9	44.0
10 Q	37.0	38.6	39.8	41.8	42.4	42.6	42.5	44.7	43.5	44.7	45.6	45.9	53.1	52.3	55.2	57.2	57.1	50.7	47.1	41.3	37.0	32.6	31.7	33.2	44.1
11	36.1	39.7	40.5	41.4	42.7	39.5	40.1	39.9	41.6	38.6	38.0	40.5	46.7	50.2	55.1	57.2	49.0	50.2	47.0	41.8	37.4	34.0	32.0	34.2	42.2
12	35.7	38.9	41.8	40.8	47.6	40.7	37.8	52.4	41.8	53.0	53.3	45.0	46.5	56.2	57.0	58.6	54.2	52.4	47.0	43.2	38.7	35.7	33.2	34.0	45.2
13	36.0	36.3	39.3	40.7	40.7	42.0	41.2	40.1	44.1	39.4	40.1	42.7	42.9	62.4	56.2	56.2	57.2	54.3	50.6	44.4	41.1	35.7	34.5	35.0	43.9
14	37.8	39.3	42.7	43.7	42.6	41.3	42.7	42.6	42.6	43.8	43.8	44.6	45.3	47.0	48.0	48.5	48.5	50.5	60.9	56.6	29.3	29.5	34.1	41.2	43.6
15	35.0	32.8	37.9	40.3	41.8	39.4	40.3	39.4	36.8	40.2	40.3	39.8	28.0	42.7	48.5	49.4	48.9	54.2	52.4	52.4	42.2	34.2	37.8	36.8	41.3
16	35.9	36.8	38.8	37.4	39.3	39.9	52.4	49.0	42.2	43.2	43.0	49.4	57.1	54.2	54.8	53.9	50.9	44.6	43.4	41.7	34.7	30.7	30.9	33.6	43.2
17 D	34.1	39.3	42.4	40.3	40.9	40.7	40.8	40.8	40.3	41.8	42.4	45.2	49.7	54.3	55.3	53.8	53.3	50.4	47.0	35.5	38.9	39.3	49.0	62.4	44.9
18 D	70.5	37.9	24.9	39.8	31.2	37.8	41.3	43.7	57.1	42.7	39.8	42.7	48.0	50,2	57.1	60.0	56.3	53.3	47.5	41.9	36.9	36.9	36.7	39.2	44.7
19 D	40.7	41.3	39.9	44.6	30.5	28.2	58.2	54.7	53.8	38.2	48.5	44.3	49.3	59.0	62.1	65.8	62.2	51.8	44.6	39.0	33.6	36.0	35.5	37.4	45.8
20 Q	39.2	44.1	45.1	42.7	41.3	40.8	40.9	42.8	42.2	42.8	44.1	45.6	49.0	52.3	55.7	59.0	57.8	53.9	47.5	41.4	36.9	38.0	36.8	36.0	44.8
21	37.2	39.3	41.5	48.2	44.6	41.9	58.5	48.9	41.7	39.5	41.2	43.4	47.5	53.4	59.9	58.6	56.8	51.1	46.3	42.2	38.9	36.9	36.5	36.8	45.5
22 Q	39.9	40.7	41.8	43.7	42.8	42.6	42.7	42.2	41.3	35.9	47.0	45.8	47.6	48.6	55.2	57.1	55.2	52.4	48.1	44.6	41.1	39.4	34.3	34.4	44.4
23 Q	35.0	38.6	42.4	37.6	41.5	43.0	43.2	51.8	46.2	42.8	42.4	44.3	47.8	50.1	51.8	55.7	55.7	53.9	49.7	48.0	43.4	40.3	35.5	34.5	44.8
24 Q	36.1	38.9	40.8	43.3	43.0	43.8	44.9	42.2	42.0	42.8	42.3	38.4	42.8	48.0	51.8	52.3	51.9	50.0	46.1	39.8	36.6	33.8	34.8	34.7	42.5
25 D	36.0	36.9	44.1	42.8	41.1	55.5	58.4	51.7	46.1	40.4	47.7	61.4	79.9	60.7	63.9	66.2	52.4	46.6	46.5	46.6	37.0	41.3	36.1	35.2	48.9
26	36.7	34.2	35.2	38.6	40.2	46.5	46.3	50.5	49.0	38.8	39.9	44.6	49.0	51.8	54.8	55.2	53.8	49.0	47.4	45.1	45.6	39.8	36.8	37.0	44.4
27	37.4	39.3	42.2	44.6	45.5	39.8	43.7	61.4	46.6	42.8	43.2	42.6	46.6	47.6	49.9	52.8	55.7	51.4	55.7	58.9	53.9	50.9	50.7	50.0	48.1
28	51.0	53.1	55.2	57.5	50.7	49.7	46.0	49.7	45.1	44.1	44.1	44.3	48.3	53.9	56.8	55.7	53.8	53.8	49.5	45.2	39.9	35.2	35.1	36.0	48.1
29	36.8	35.8	36.5	45.6	48.2	39.8	41.7	40.9	42.3	44.0	46.5	48.6	44.6	55.2	55.1	58.1	56.1	56.2	52.4	45.3	34.2	33.2	32.6	35.2	44.4
30	37.8	37.6	40.4	39.4	43.2	45.3	45.8	44.8	40.0	41.3	45.3	42.2	43.0	51.4	51.8	53.5	54.5	54.6	48.7	43.2	36.5	33.1	33.0	33.1	43.3
31																									
Mean	38.9	39.5	40.8	42.3	41.9	42.9	46.2	45.9	44.0	42.2	44.4	45.5	48.2	52.9	54.8	56.4	54.4	51.1	47.4	44.1	38.9	36.8	36.4	37.5	44.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 23 Meanook $Z = 58,000\ \gamma +$ June 1951

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	887	884	893	902	931	899	861	887	879	846	812	745	775	805	790	791	845	866	872	877	887	881	899	887	858
2	882	882	908	920	882	865	899	834	757	726	640	758	758	795	906	899	882	881	881	904	909	941	931	947	858
3	985	915	903	899	921	850	824	834	840	812	802	812	823	819	866	877	876	872	861	861	865	877	885	889	865
4	891	893	896	893	894	898	888	867	737	818	834	864	867	872	872	861	857	859	861	861	865	876	898	902	868
5	912	925	909	890	885	877	885	885	871	878	885	885	884	887	878	877	884	878	859	861	869	882	887	899	885
6 D	899	903	892	894	900	790	715	834	902	953	893	828	634	698	812	888	880	878	882	882	891	887	904	904	856
7	908	899	926	929	909	865	834	854	840	859	894	893	888	783	845	872	876	875	869	877	876	894	902	921	879
8	963	947	963	970	919	893	742	834	891	888	878	876	869	876	877	872	857	854	854	865	887	909	904	899	887
9	882	891	962	946	905	882	872	872	839	796	737	808	817	840	876	861	867	876	874	877	877	886	888	892	868
10 Q	893	888	878	877	877	876	877	872	869	854	857	838	823	845	861	866	866	861	855	860	868	872	877	887	867
11	913	905	902	909	917	902	876	857	845	850	823	790	839	837	834	827	833	849	865	865	878	899	909	931	870
12	942	984	921	915	936	889	882	834	710	841	895	923	804	830	882	881	877	867	872	882	887	913	920	902	883
13	882	876	871	871	872	876	893	893	878	855	758	758	771	703	816	877	887	876	878	886	890	889	882	882	855
14	875	878	886	882	878	882	876	868	866	869	865	860	854	862	868	867	865	864	862	872	867	882	934	1001	878
15	967	956	898	874	891	823	807	834	826	889	876	841	721	703	677	710	759	826	873	882	921	921	913	904	846
16	963	934	884	867	866	877	872	769	775	768	715	726	715	780	812	844	865	873	877	884	891	894	904	909	844
17 D	904	921	915	880	880	866	866	867	867	860	874	876	877	876	872	874	865	861	852	837	845	888	945	893	878
18 D	586	715	639	553	802	751	867	812	834	802	888	915	909	909	908	893	893	878	867	866	868	876	884	889	825
19 D	908	899	919	876	737	877	867	791	887	973	931	738	791	781	812	888	898	888	872	872	876	882	886	888	864
20 Q	887	927	909	884	882	887	882	877	877	877	876	878	882	882	879	877	875	866	861	865	866	887	893	889	882
21	892	888	890	908	882	899	791	742	857	867	875	877	877	872	859	845	857	864	854	859	860	872	882	892	865
22 Q	888	888	889	887	882	882	881	877	863	694	715	824	823	795	807	857	866	854	859	861	873	884	882	888	851
23 Q	905	932	955	949	928	899	889	861	831	860	867	875	878	878	872	865	865	866	861	855	863	872	869	872	882
24 Q	880	880	877	877	872	872	869	869	866	850	850	807	802	855	867	868	867	866	864	864	865	866	876	876	863
25 D	876	898	942	908	910	867	559	738	878	850	695	626	688	769	757	703	775	839	859	878	882	931	951	898	820
26	909	919	920	920	910	895	855	785	776	844	763	748	823	866	877	866	871	866	855	861	877	872	878	877	860
27	877	898	920	931	909	909	898	746	878	887	888	887	872	834	791	845	855	855	862	857	864	872	880	888	871
28	890	913	894	905	921	880	855	877	888	872	874	865	887	847	855	855	858	853	839	844	845	860	867	887	872
29	888	887	891	920	876	877	882	877	876	862	855	843	753	780	837	850	854	849	835	835	835	861	877	888	858
30	888	891	882	890	896	893	848	861	861	859	837	807	839	866	866	866	861	861	850	859	872	872	877	894	866
31																									
Mean	894	901	898	891	889	873	847	840	845	849	832	826	818	825	844	854	861	864	863	867	874	887	896	899	864

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook June 1951

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 24° E +			Minimum 24° E +		Range	Maximum 58,000 γ +			Minimum 58,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	42	991	11	43	639	352	05	36	74.4	21	11	27.8	46.6	04	42	1007	11	47	699	308
2	04	35	1165	11	29	397	768	11	24	92.7	09	10	02.6	90.1	04	05	1002	10	14	565	437
3	00	36	1039	06	07	667	372	15	47	58.8	06	06	23.3	35.5	00	45	1038	06	00	699	339
4	23	30	903	08	07	727	176	15	05	62.0	08	03	34.9	27.1	05	12	910	08	05	654	256
5	00	47	927	19	11	801	126	15	16	58.8	21	32	34.3	24.5	01	42	926	07	45	839	87
6 D	05	15	935	10	29	389	546	13	55	103.0	10	32	10.1	92.9	09	56	1038	12	40	531	507
7	04	54	1049	06	37	685	364	06	14	61.5	05	27	20.4	41.1	03	00	969	13	45	715	254
8	04	06	1165	06	44	737	428	06	19	79.6	04	51	29.1	50.5	00	48	1004	06	38	649	355
9	02	50	1007	10	03	747	260	02	51	54.2	00	06	36.6	17.6	02	55	1029	10	05	696	333
10 Q	23	51	890	12	16	789	101	16	09	59.8	21	48	31.1	28.7	01	16	904	12	17	790	114
11	22	11	907	11	12	777	130	16	06	59.2	22	37	28.5	30.7	23	57	951	11	11	750	201
12	01	33	1103	10	38	511	592	10	36	104.6	10	54	29.8	74.8	01	43	1039	08	29	579	460
13	06	40	920	10	14	660	260	13	32	67.7	01	03	32.0	35.7	06	10	916	10	20	647	269
14	23	56	1128	18	44	732	396	18	40	76.8	20	21	23.6	53.2	23	52	1030	12	06	845	185
15	00	44	1025	14	22	515	510	18	09	67.2	06	45	16.3	50.9	00	02	1014	13	54	526	488
16	00	40	1049	12	07	472	577	06	48	68.5	21	19	28.2	40.3	00	42	1022	10	54	633	389
17 D	23	30	1386	18	19	730	656	23	59	91.0	21	40	28.7	62.3	23	20	1048	24	00	456	592
18 D	00	16	1524	08	51	353	1171	00	12	137.1	05	50	-0.7	137.8	05	55	1023	00	10	579	444
19 D	03	34	1245	09	46	029	1216	09	44	107.9	09	54	-47.7	155.6	10	35	1168	04	32	463	705
20 Q	01	14	956	18	32	807	149	16	02	61.3	22	59	33.0	28.3	01	16	954	19	30	851	103
21	06	42	916	06	56	734	182	06	38	87.4	00	20	34.8	52.6	05	50	930	06	55	589	341
22 Q	02	13	892	09	41	660	232	15	34	58.8	09	24	31.4	27.4	02	50	898	09	51	531	367
23 Q	02	51	937	22	34	802	135	17	01	57.6	23	20	34.1	23.5	02	45	982	08	25	800	182
24 Q	22	18	895	12	02	254	641	15	10	53.9	21	35	31.0	22.9	02	20	892	12	02	749	143
25 D	05	36	1070	12	19	230	840	12	14	95.6	07	02	08.6	87.0	05	24	984	06	40	291	693
26	05	42	1080	08	15	533	547	07	48	70.6	01	58	31.1	39.5	03	04	953	08	06	619	334
27	07	00	1041	06	50	690	351	07	01	97.5	06	44	23.4	74.1	06	54	994	07	30	684	310
28	07	39	1257	06	35	729	528	04	49	63.6	23	00	24.1	39.5	07	42	977	06	30	705	272
29	03	30	915	12	26	732	183	15	14	61.3	22	54	30.8	30.5	03	35	964	12	33	717	247
30								16	10	59.5	22	40	32.6	26.9	15	44	958	12	05	839	119
31																					
Mean			1045			604	441			75.1			23.5	51.6			984			656	328
No. days			29			29	29			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 1951

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	900	925	877	850	846	843	843	847	848	849	839	794	746	750	723	768	797	793	801	799	802	804	804	804	819
2 D																			847	839	833	857	840	860	
3 D	842	912	874	839	909	842	837	852	840	818	653	576	814	792	630	839	822	783	811	797	833	877	811	901	813
4	854	874	932	861	895	806	756	754	794	745	807	792	811	833	826	802	821	827	827	823	822	832	851	876	826
5	883	860	840	860	850	846	816	826	847	844	837	800	811	805	845	848	837	824	809	810	816	831	837	825	834
6	839	847	856	846	846	847	849	805	836	842	786	782	823	830	850	862	849	840	832	829	839	840	834	878	837
7	851	821	814	827	813	822	824	822	817	815	813	810	813	821	833	817	796	803	776	776	775	775	829	774	810
8	796	792	794	795	786	782	782	782	787	787	790	791	792	791	787	791	797	778	770	760	767	767	787	798	785
9	867	843	859	903	799	794	802	802	788	783	775	774	785	785	785	774	788	781	742	734	774	749	774	774	793
10 Q	795	820	796	789	793	787	786	754	746	774	791	788	789	797	804	805	804	797	781	764	758	753	758	773	783
11	783	784	785	787	788	788	797	756	742	715	701	715	696	733	761	781	794	795	786	780	767	773	796	797	767
12 Q	793	784	801	779	791	786	799	792	789	782	794	792	797	782	789	789	771	747	753	763	767	775	769	795	782
13 Q	828	820	784	791	791	798	792	787	783	782	786	792	790	786	790	790	790	782	774	745	743	765	790	787	786
14 Q	797	788	789	796	789	789	789	789	784	788	781	836	784	786	788	786	777	758	738	744	744	756	790	824	783
15	824	798	812	796	792	790	790	784	782	788	783	778	754	780	805	805	794	772	746	742	775	820	817	731	786
16	781	819	812	874	882	804	777	785	795	695	549	559	640	714	812	819	804	789	777	781	773	793	785	789	767
17	809	806	819	801	809	809	809	748	562	610	625	774	796	774	774	773	754	812	727	727	780	785	796	789	761
18	785	791	809	797	858	858	822	742	510	703	696	575	869	616	763	792	794	798	790	786	785	788	793	793	763
19	790	798	805	805	796	790	787	774	765	525	750	794	798	806	806	796	767	782	771	796	789	789	786	790	777
20	812	810	817	852	840	837	797	782	782	782	790	766	720	782	795	799	789	775							
21																			779	786	787	787	790	798	
22	802	822	821	842	903	853	596	747	747	719	704	696	672	695	685	820	805	817	799	792	782	794	805	860	774
23	914	1055	884	797	848	817	724	789	538	686	669	682	781	815	820	821	813	722	784	782	774	773	802	782	786
24 Q	804	796	804	818	813	805	790	786	607	693	697	697	748	726	868	830	814	797	775	775	774	782	782	793	774
25	794	804	805	797	814	817	841	704	766	774	651	615	768	825	823	844	891	787	790	794	791	794	797	814	788
26 D	816	720	800	814	822	783	614	617	609	751	738	565	572	575	737	666	790	815	795	777	777	783	792	868	733
27	905	856	884	878	865	800	800	790	679	689	783	803	799	800	800	797	791	764	772	768	765	776	784	800	798
28 D	805	814	867	893	888	823	816	721	697	698	694	694	694	721	721	765	733	730	768	772	799	821	805	814	773
29	811	805	806	865	814	828	822	557	580	639	811	783	744	777	814	794	799	794	776	768	757	760	782	787	770
30	772	772	791	803	806	803	784	787	796	756	674	760	761	783	822	800	799	776	757	783	776	795	784	835	782
31 D	804	861	881	1001	986	740	592	574	578	448	472	487	448	254	347	433	487	577	748	783	776	802	871	908	661
Mean	823	828	829	832	835	809	780	760	729	732	730	725	753	748	772	786	789	780	778	777	781	791	800	813	783

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 26 Meanook $D = 24^\circ E + \ldots '$ July 1951

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	35.9	39.6	37.4	40.0	41.2	44.0	38.3	39.2	38.2	37.5	39.2	40.2	40.9	47.7	55.1	59.2	58.0	52.2	55.9	54.9	53.3	56.8	54.7	71.2	47.2
2 D	72.5	65.1			47.7	48.8	51.5	53.5	52.5										52.6	43.6	41.2	35.9	35.3	37.4	
3 D	38.3	37.5	43.2	40.7	50.3	57.0	46.4	41.5	39.2	39.1	37.5	27.6	47.0	52.6	56.2	61.8	57.7	47.7	42.6	38.5	34.3	38.6	32.5	39.3	43.6
4	36.0	37.4	46.2	42.1	41.3	48.1	45.3	40.2	40.6	39.2	43.3	43.5	46.5	53.5	56.8	57.6	56.1	53.4	49.0	42.8	40.1	40.3	36.9	37.5	44.7
5	41.5	40.6	42.9	43.8	53.2	52.6	63.3	51.9	42.5	41.5	41.9	41.7	45.7	48.1	54.3	55.8	54.8	52.9	46.9	40.4	38.1	36.4	36.8	37.3	46.0
6	40.0	41.2	42.2	43.9	46.0	47.3	44.1	43.2	44.9	44.0	39.8	39.2	42.9	49.7	54.8	55.0	56.3	52.8	49.8	43.9	39.4	37.5	35.4	36.8	44.6
7	38.0	40.3	41.6	41.3	41.4	43.1	44.0	43.3	41.6	42.8	44.3	46.9	50.5	54.3	53.7	55.4	51.9	51.3	45.5	43.6	39.2	36.6	35.6	36.7	44.3
8	37.3	39.3	41.2	42.5	43.2	40.2	40.0	41.2	41.0	40.4	40.8	42.0	45.0	48.9	50.3	53.5	53.4	55.5	46.8	40.1	39.0	32.7	28.6	30.7	42.2
9	30.0	35.5	35.0	42.4	37.8	36.9	36.8	35.4	37.7	40.0	40.4	42.6	43.5	49.4	54.0	54.2	54.8	58.1	48.9	41.1	40.3	34.1	31.6	33.0	41.4
10 Q	35.6	37.5	43.1	40.8	43.5	43.5	41.6	44.1	46.0	45.5	40.7	41.7	43.6	46.4	50.2	54.3	54.2	55.1	48.7	47.0	38.5	34.4	32.3	34.4	43.4
11	36.6	39.3	40.3	40.5	41.2	42.9	41.2	38.6	49.2	51.5	44.4	51.5	42.5	43.1	48.1	47.7	51.3	54.3	53.5	45.4	42.2	37.1	35.2	35.6	43.9
12 Q	37.7	38.5	39.6	40.7	42.5	46.4	42.2	42.5	43.1	44.5	45.0	43.7	45.4	48.1	48.8	50.9	56.0	53.2	43.6	39.6	36.5	35.6	31.0	32.0	42.8
13 Q	31.8	35.3	38.5	36.8	36.8	41.7	40.4	39.7	39.2	39.0	42.0	42.7	44.8	46.9	50.5	51.3	51.6	49.3	47.9	43.7	39.4	35.9	34.9	36.7	41.5
14 Q	38.5	39.6	41.2	40.2	41.6	40.7	39.8	41.3	41.5	39.8	39.3	39.7	49.0	52.9	55.6	54.6	56.0	53.3	46.8	41.9	38.3	34.2	33.2	34.2	43.0
15	34.4	35.4	37.9	37.3	39.4	39.3	44.7	42.7	38.3	41.3	40.2	42.8	38.9	45.1	50.0	55.0	55.0	54.1	50.8	41.4	40.5	38.2	35.0	29.2	41.9
16	35.9	38.7	40.7	39.7	43.2	39.8	41.5	41.1	40.9	39.8	53.3	72.2	67.5	70.5	58.5	57.1	53.2	49.4	37.8	35.0	34.6	35.8	35.0	36.9	45.8
17	39.3	40.8	43.6	41.9	42.1	42.5	44.5	50.9	45.0	52.2	45.5	44.9	49.2	58.5	57.8	62.7	58.1	48.5	44.7	28.4	34.0	34.1	38.8	38.5	45.3
18	39.9	41.8	42.3	44.6	45.5	44.5	44.1	41.3	41.2	48.9	50.5	52.1	58.9	50.5	52.3	56.1	52.3	41.7	36.8	34.5	36.1	37.8	39.4	40.4	44.7
19	43.3	43.9	47.1	46.5	42.6	41.8	49.6	45.6	42.8	35.2	39.3	47.1	52.2	55.1	55.2	57.0	55.0	47.4	45.2	38.4	37.8	38.3	38.8	38.4	45.2
20	39.7	39.7	40.7	43.8	45.1	46.0	50.3	49.4	44.7	43.2	43.1	42.1	42.1	51.6	54.1	52.2	49.4	47.3							
21																			50.8	42.9	38.9	37.3	36.9	38.7	
22	40.7	42.5	42.5	41.2	48.8	41.2	38.1	43.3	46.9	45.4	46.2	43.9	42.6	52.2	57.5	62.3	54.2	47.0	42.6	37.8	35.9	34.1	33.0	37.0	44.0
23	37.7	40.5	39.0	36.9	39.7	45.6	54.2	45.0	25.1	39.6	49.4	45.3	44.0	50.4	55.3	53.7	52.3	51.2	47.1	43.4	40.5	37.6	38.8	36.0	43.7
24 Q	37.8	39.6	41.2	41.6	49.3	57.9	52.2	45.4	38.1	44.5	45.0	44.0	49.8	50.9	53.2	53.7	52.4	49.5	45.1	41.3	38.9	36.8	35.4	36.0	45.0
25	38.3	41.2	42.1	40.8	40.2	40.1	44.0	50.8	46.6	47.4	48.4	45.2	48.6	53.7	54.2	54.2	49.2	47.3	42.4	40.2	35.4	36.8	35.9	36.4	44.1
26 D	39.7	39.7	39.8	40.9	45.5	57.1	58.9	38.0	34.8	41.7	41.3	50.5	43.0	49.4	50.3	52.1	51.1	49.3	47.5	42.2	40.8	37.8	37.7	37.7	44.4
27	45.5	38.3	47.5	52.2	46.5	40.8	40.4	43.9	41.4	44.6	43.6	47.8	48.3	49.7	52.7	53.2	50.4	45.2	40.7	40.4	39.1	37.5	36.8	37.3	44.3
28 D	43.8	38.0	35.3	40.7	45.0	39.4	63.5	71.0	52.9	54.3	55.7	55.7	57.0	54.6	55.2	53.6	53.6	53.6	47.9	34.8	40.2	39.0	39.3	39.8	48.5
29	41.2	43.5	40.7	43.3	57.5	45.7	44.6	41.2	41.0	22.9	43.3	44.5	45.5	49.4	53.2	51.3	50.2	46.4	44.3	39.4	38.8	37.3	38.8	40.7	43.5
30	41.7	41.7	40.2	41.3	53.2	48.3	47.1	44.6	45.0	43.1	44.0	47.9	50.8	51.3	56.1	51.3	47.4	45.3	40.2	40.8	35.7	37.3	36.8	40.6	44.6
31 D	40.1	36.8	34.1	40.9	38.9	45.2	53.3	44.7	46.4	43.3	43.7	42.6	72.2	81.8	46.4	49.5	49.5	49.5	43.7	43.5	31.7	34.0	35.0	36.6	45.1
Mean	38.4	39.4	40.9	41.6	44.2	44.8	45.9	44.0	41.8	42.5	43.9	45.4	48.4	52.3	53.4	54.8	53.4	50.5	45.8	40.9	38.5	37.2	36.2	37.8	44.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook — Z = 58,000 γ + — July 1951

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	928	946	928	902	888	872	869	869	862	871	861	831	768	715	721	783	812	811	873	893	895	905	933	951	862
2 D	1029				738	868	912	981	1003	1023	1017								866	865	865	900	908	915	
3 D	915	947	935	899	889	812	811	898	887	838	738	650	758	785	726	859	845	850	858	877	890	914	917	969	853
4	915	915	942	919	888	776	872	889	877	816	857	844	866	878	877	866	851	855	861	866	872	888	898	918	875
5	909	891	882	887	887	854	821	802	860	860	861	850	834	837	860	861	857	857	861	855	857	859	877	876	861
6	876	877	882	882	886	881	868	757	781	833	797	725	784	813	835	855	851	846	848	850	855	866	881	906	843
7	901	888	873	874	878	876	869	874	867	866	865	863	863	861	861	853	844	837	837	837	848	861	891	880	865
8	899	893	871	874	880	874	863	854	847	828	838	853	855	861	859	864	867	861	861	861	862	869	885	910	866
9	946	953	921	958	892	876	881	886	873	866	857	854	857	865	866	853	854	846	844	841	853	857	861	867	876
10 Q	893	905	893	873	874	871	854	753	752	798	855	863	866	869	871	874	869	855	850	859	867	871	867	867	857
11	867	871	867	864	863	865	869	823	761	748	726	757	776	810	812	818	855	879	861	861	865	859	876	888	835
12 Q	887	876	882	876	879	867	865	864	855	830	846	861	861	845	845	855	855	850	845	846	844	854	860	888	860
13 Q	919	941	906	885	876	892	881	863	861	857	859	869	865	862	861	857	861	861	850	861	863	859	861	867	872
14 Q	866	867	868	866	865	864	864	866	855	855	846	785	845	855	855	855	846	845	841	843	855	866	881	907	857
15	918	907	914	909	906	887	855	846	848	860	851	835	794	828	867	871	863	852	839	847	864	882	919	945	871
16	901	895	910	953	973	917	877	867	864	780	660	664	725	729	845	867	867	845	833	839	839	861	864	861	843
17	880	890	917	896	888	884	877	812	867	877	881	876	865	860	846	834	845	828	844	844	854	853	875	880	866
18	893	893	887	900	916	903	867	779	816	769	768	739	651	597	791	822	828	828	844	854	862	875	878	887	827
19	888	880	891	890	880	875	844	721	779	564	773	845	860	865	854	854	846	845	834	848	848	854	866	869	836
20	877	891	913	928	917	914	860	811	840	852	852	828	777	824	845	840	846	847							
21																			846	846	846	850	855	861	
22	865	882	899	928	918	848	875	903	863	822	834	835	876	843	839	818	835	849	850	850	861	869	887	936	866
23	992	973	941	913	913	887	845	857	667	617	652	796	835	846	857	861	861	855	854	858	864	859	891	877	849
24 Q	877	867	866	891	910	854	832	833	670	749	735	738	738	822	860	866	857	855	854	848	848	853	854	857	831
25	854	863	866	862	861	878	880	791	781	794	725	768	804	854	837	850	855	855	861	862	861	864	865	876	840
26 D	889	893	898	905	910	780	789	764	800	850	816	818	721	645	769	757	837	867	855	858	865	859	873	921	831
27	974	918	953	893	899	882	867	831	641	587	751	813	845	857	855	854	857	844	849	852	859	861	872	892	846
28 D	915	893	922	944	905	877													855	876	891	913	880	888	
29	891	877	867	930	812	866	855	704	617	684	839	833	800	812	839	839	857	850	850	858	867	865	876	891	832
30	899	882	865	865	865	845	854	836	846	759	608	738	780	814	835	845	834	837	834	861	866	878	882	920	835
31 D	907	920	988	996	908	758	573	656	948	889	1026	1001	958	871	821	846	859	859	872	882	893	896	887	930	881
Mean	902	900	900	900	889	861	847	822	813	795	805	811	817	818	836	846	851	849	850	856	862	869	881	898	853

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook — July 1951

Day		Horizontal Intensity						Declination						Vertical Intensity					
		Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 24° E +			Minimum 24° E +		Range	Maximum 58,000 γ +			Minimum 58,000 γ +		Range
		h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1		01	18	948	14	23	651	297	00	53	103.4	12	08	34.4	69.0	23	30	1007	15	08	518	489
2	D																					
3	D	01	12	1004	11	04	361	643	05	07	93.3	11	44	17.3	76.0	23	24	1004	11	02	453	551
4		02	42	1006	06	20	600	406	05	05	76.7	07	22	30.2	46.5	02	39	1019	05	30	676	343
5		00	36	918	11	52	749	169	06	33	78.7	22	10	34.9	43.8	03	51	934	06	54	734	200
6		23	54	903	11	00	714	189	16	10	63.3	11	00	29.0	34.3	23	51	919	10	57	668	251
7		00	22	869	23	50	740	129	15	34	57.6	22	09	33.9	23.7	00	01	913	19	39	828	85
8		00	53	854	21	26	736	118	17	35	57.9	22	16	25.7	32.2	23	16	926	09	46	819	107
9		03	30	977	21	52	739	238	16	34	63.5	22	30	30.7	32.8	03	30	1036	19	23	838	198
10	Q	01	00	855	08	44	710	145	17	44	57.6	22	45	30.8	26.8	01	02	925	07	22	695	230
11		23	54	864	12	45	637	227	11	30	58.7	07	25	27.9	30.8	23	55	902	10	54	687	215
12	Q	02	16	821	17	46	735	86	16	28	57.3	22	31	29.9	27.4	23	57	903	09	14	813	90
13	Q	01	00	853	20	27	735	118	15	57	54.8	00	05	29.6	25.2	01	49	955	18	29	849	106
14	Q	23	47	844	20	38	727	117	16	46	58.3	22	41	32.3	26.0	23	59	927	11	30	753	174
15		21	59	853	23	24	716	137	15	50	59.0	23	15	26.8	32.2	23	22	990	12	43	752	238
16		04	00	949	11	16	419	530	13	08	84.5	18	05	27.6	56.9	03	56	1003	11	16	550	453
17		01	26	868	08	42	366	502	08	41	78.1	19	15	19.0	59.1	08	47	982	07	50	775	207
18		05	52	912	08	53	450	462	12	25	67.4	18	14	31.4	36.0	04	54	948	08	07	442	506
19		07	16	837	09	27	242	595	06	59	76.0	09	33	25.7	50.3	23	03	903	09	24	352	551
20																						
21																						
22		06	28	953	04	24	506	447	15	01	58.3	06	40	-33.3	91.6	23	11	958	19	30	808	150
23		01	50	1225	08	34	443	782	05	59	77.9	08	25	-0.2	78.1	00	52	1065	08	44	529	536
24	Q	14	14	851	08	24	524	327	05	27	62.5	08	34	26.5	36.0	04	09	942	08	23	524	418
25		06	15	873	07	45	417	456	11	03	88.5	07	29	25.8	62.7	07	35	1001	10	51	603	398
26	D	05	02	904	08	36	417	487	05	51	68.8	08	02	33.9	34.9	23	54	960	07	54	409	551
27		02	36	994	09	05	519	475	02	46	64.1	09	01	26.9	37.2	02	38	1013	08	50	361	652
28	D	03	15	955	07	49	627	328	06	50	88.4	19	12	24.9	63.5							
29		03	50	1002	07	26	426	576	04	03	81.9	09	12	09.5	72.4	03	52	1011	08	54	485	526
30		23	31	884	10	40	606	278	04	49	62.2	20	12	32.4	29.8	23	49	951	10	30	545	406
31	D	04	41	1095	11	14	028	1067	13	30	81.9	13	38	-10.8	92.7	11	20	1239	07	01	473	766
Mean				924			555	369			70.7			23.3	47.4			975			627	348
No. days				28			28	28			28			28	28			27			27	27

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Meanook — H = 12,000 γ + — August 1951

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	847	947	978	931	917	814	778	766	777	779	723	715	764	784	752	769	749	779	850	869	869	834	908	1047	831
2	951	1047	1033	1137	1017	917	787	838	877	799	855	839	877	869	858	861	839	838	830	838	838	843	850	861	887
3 Q	873														866	868	842	869	853	846	846	846	857	881	
4	862	897	906	912	883	862	854	862	870	869	862	854	867	866	844	824	823	837	801	804	858	851	883	856	859
5	803	936	876	869	862	859												824	829	832	833	824	828	879	
6	869	878	878	877	869	866	869	871	870	870	871	877	888	869	857	811	814	833	839	832	831	847	815	827	855
7	851	866	874	898	861	881	878	870	872	808	721	826	876	875	874	889	854	827	814	819	835	853	869	892	853
8 Q	889	891	873	875	878	878	869	869	869	869	869	871	873	874	873	870	856	832	818	822	828	839	830	864	862
9	880	860	861	867	892	892	758	785	853	861	830	760	853	866	885	877	874	861	846	853	842	829	858	874	850
10 Q	865	861	861	862	864	886	888	865	866	787	865	872	831	880	877	874	850	835	833	834	835	824	881	861	857
11	850	869	881	874	878	896	877	783	850	783	589	737	764	709	865	902	888	886	881	874	873	905	900	938	844
12	939	908	925	899	894	915	740	715	686	808	698	720	721	797	843	827	885	881	881	860	850	877	878	885	835
13 D	873	866	877	935	1002	927	737	771	717	752	761	765	713	721	737	744	737	808	853	865	892	866	861	861	818
14	862	861	853	853	854	855	854	855	855	855	819	624	786	864	837	829	821	814	822	833	850	848	843	855	833
15	885	892	892	871	861	874	878	862	875	877	874	871	861	855	846	860	825	838	821	822	851	830	865	853	860
16	869	865	864	870	932	878	881	698	328	092	142	716	911	900	888	873	858	838	842	842	853	869	881	861	773
17	866	875	864	861	861	861	866	865	877	877	878	886	889	881	882	830	786	811	800	805	806	823	846	861	852
18 Q	878	892	853	853	861	862	865	858	861	870	864	865	869	875	878	873	860	839	826	822	826	836	846	855	858
19	860	860	867	867	868	874	875	846	770	703	767	801	676	817	884	875	853	829	831	801	838	856	861	864	831
20 D	891	1000	1124	1102	958	796	330	577	733	708									834	830	826	860	888	867	
21 D	931	1145	939	908	868	871	642	552	450	543	417	540	541	539	711	838	811	783	806	822	847	908	978	939	764
22	1039	970	994	1087	1117	814	871	508	298	433	280	455	343	779	849	853	846	858	852	854	854	878	892	878	775
23	860	850	861	863	863	866	863	874	847	801	835	701	705	793	797	799	826	821	826	833	819	865	892	973	835
24	869	850	879	943	838	853	698	870	875	648	605	769	814	720	797	846	846	821	839	855	855	861	872	864	820
25 D	884	890	914	985	914	986	893	844	328	720	759	682	763	852	885	868	817	782	804	836	866	852	852	868	828
26	896	882	876	898	820	817	891	685	071	586	570	644	797	775	813	798	860	859	836	844	872	884	891	890	781
27	868	860	863	866	883	914	845	814	697	743	560	775	835	843	835	796	821	829	829	837	845	833	860	867	822
28	873	875	868	869	870	878	871	841	806	831	842	789	781	817	831	860	852	833	845	837	852	866	893	891	849
29	880	876	881	906	812	780	829	849	828	682	758	799	697	813	852	847	838	838	851	846	852	860	873	868	830
30 Q	863	873	875	874	860	868	872	871	872	876	877	871	798	856	876	860	817	813	817	829	852	841	852	841	854
31	868	876	875	876	878	877	891	891	891	867	907	891	860	856	828	782	842	852	829	837	837	849	876	841	862
Mean	883	896	892	904	890	874	836	806	737	750	728	768	784	819	841	841	834	831	833	837	847	855	872	880	835

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 30 Meanook $D = 24° E + \ldots '$ August 1951

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	39.9	29.8	33.6	34.7	46.6	40.4	37.6	37.0	40.9	42.7	43.1	45.3	50.3	53.2	55.8	55.8	48.1	47.1	43.1	44.5	43.1	39.2	42.3	48.9	43.5
2	39.7	35.2	39.3	46.1	42.9	45.3	51.9	48.7	46.7	42.5	48.0	45.4	49.0	56.6	58.5	59.4	56.7	53.8	50.0	41.2	38.2	38.5	39.2	41.1	46.4
3 Q	41.8	38.5	51.8	38.7	39.4	40.0	40.0	39.6	40.2	39.8	32.3	41.6	37.6	45.5	49.3	34.1	51.3	47.7	49.4	42.5	39.4	36.9	37.5	38.3	41.4
4	41.3	40.9	43.3	48.1	41.3	42.5	43.3	42.5	43.2	43.5	44.2	46.6	48.9	52.4	55.6	53.8	53.8	53.8	51.9	35.8	32.7	32.0	32.6	33.1	44.0
5	38.3	34.5	44.0	44.3	42.4	42.6												55.8	41.5	38.5	38.3	35.4	35.2	36.4	
6	39.7	43.0	43.8	42.6	43.7	44.6	44.2	44.5	45.2	44.0	43.9	46.3	48.5	51.9	57.5	53.9	54.1	53.8	47.6	44.6	40.4	39.0	37.9	37.9	45.5
7	40.8	42.1	43.0	43.1	42.9	42.3	41.8	43.9	42.9	47.0	42.2	39.0	47.6	53.2	55.8	58.6	60.6	61.4	51.8	44.9	40.2	37.8	36.4	37.3	45.7
8 Q	39.9	40.3	43.9	42.9	42.1	46.2	48.3	43.0	42.3	43.1	42.1	44.1	47.0	51.5	55.2	57.6	57.8	55.3	50.4	44.8	39.0	35.6	35.1	37.3	45.2
9	38.8	40.8	42.1	43.2	43.9	43.6	41.2	49.0	58.5	46.0	43.2	41.2	50.2	56.9	54.6	58.6	55.3	51.3	46.4	46.4	41.4	37.3	36.2	37.3	46.0
10 Q	40.2	41.6	43.1	42.9	44.0	43.5	58.5	48.9	42.3	39.8	42.7	46.6	48.6	44.1	49.8	52.9	53.0	51.3	46.5	42.6	40.0	38.8	38.2	36.3	44.8
11	39.0	41.1	42.0	43.3	47.3	41.7	47.9	27.9	47.3	46.1	62.3	51.5	46.6	58.5	62.0	60.9	56.3	50.0	48.9	42.6	40.4	40.2	38.8	40.1	46.8
12	45.2	39.2	40.8	45.0	44.9	44.5	39.9	41.3	36.3	41.2	56.5	57.2	61.3	59.2	51.6	58.5	51.7	47.4	43.1	41.4	41.5	43.1	42.1	40.9	46.4
13 D	41.6	43.5	43.8	46.4	43.3	47.4	42.6	54.8	48.1	49.7	46.5	42.7	54.6	76.3	80.9	81.5	60.4	49.3	47.0	33.5	37.3	34.6	38.3	42.1	49.4
14	44.0	44.8	44.1	43.6	43.3	40.4	40.4	39.5	42.7	42.6	40.4	34.6	45.7	48.8	49.7	48.5	46.5	42.7	44.9	40.9	44.5	40.1	39.3	42.9	43.1
15	45.0	46.2	52.9	46.5	43.4	43.9	53.7	55.5	51.3	43.1	44.0	45.0	47.9	50.9	56.7	56.6	52.9	49.0	40.6	38.8	35.4	30.8	36.3	40.9	46.1
16	45.0	45.1	43.9	42.7	56.4	45.1	46.6	40.3	60.2	80.1	82.8	43.9	48.5	54.6	56.7	54.2	49.3	44.5	42.3	38.1	37.2	37.9	38.5	42.1	49.0
17	43.6	43.1	43.1	42.7	43.5	43.1	43.3	43.7	43.9	45.3	46.2	47.6	49.2	50.9	55.1	56.7	50.3	47.6	43.6	40.8	34.5	34.6	38.1	41.2	44.6
18 Q	44.2	46.9	46.4	45.0	45.0	57.5	47.9	44.7	42.0	42.2	44.0	46.0	49.5	52.6	54.6	54.9	54.6	52.8	45.5	39.4	37.4	37.7	39.6	41.0	46.3
19	42.8	43.8	44.2	44.8	44.7	43.1	41.6	48.9	62.1	60.2	56.5	45.5	39.4	52.1	62.2	61.3	55.7	50.8	42.4	39.0	38.3	37.4	38.3	39.2	47.3
20 D	38.8	45.0	35.4	36.8	37.9	47.6	43.1	63.4	53.6	54.6	51.8	49.6	49.6	49.6	49.6	49.6	49.6	49.6	47.3	41.4	35.9	39.4	39.9	39.2	45.8
21 D	37.6	56.5	52.7	40.0	41.2	49.0	37.5	45.9	56.4	72.9	42.1	59.4	58.3	73.6	64.4	56.2	54.3	49.0	31.2	35.9	37.3	42.1	46.4	43.2	49.3
22	58.9	63.3	49.3	44.5	46.8	40.9	28.5	28.7	43.2	34.3	77.7	62.1	56.3	50.8	51.8	55.1	55.6	51.8	45.6	41.0	39.2	40.6	38.3	37.3	47.6
23	40.0	42.5	42.5	42.9	43.6	44.2	45.4	44.2	49.0	50.3	47.0	46.6	53.7	60.9	60.4	55.6	52.9	45.9	46.1	43.6	39.8	40.7	44.0	46.8	47.0
24	43.9	40.7	43.2	59.7	43.0	52.6	27.3	51.9	44.5	32.5	32.9	43.1	54.6	53.5	56.7	52.6	52.5	48.8	43.3	44.3	42.9	41.9	42.2	42.2	45.5
25 D	43.2	41.1	44.7	45.1	75.2	43.0	42.1	40.7	60.0	55.6	50.3	50.0	49.7	51.0	56.2	54.7	52.6	42.1	36.2	36.3	37.9	38.1	39.8	41.6	47.0
26	41.0	43.9	43.3	47.9	56.1	46.5	45.1	32.7	56.3	56.2	52.2	66.1	51.6	53.8	57.2	50.6	50.0	47.4	48.4	41.3	43.7	40.2	41.2	45.5	48.3
27	41.4	41.5	42.7	54.2	48.4	58.9	41.7	46.6	56.5	42.8	41.3	39.4	45.9	42.0	54.1	58.8	49.3	50.8	44.0	40.2	43.1	44.7	38.4	39.7	46.1
28	42.8	47.3	45.4	45.5	67.1	48.9	46.0	40.9	45.7	41.2	45.1	47.0	40.7	47.6	52.5	52.9	52.5	48.6	43.6	43.1	42.1	40.0	38.1	45.7	46.3
29	44.6	44.4	55.5	45.5	44.1	44.1	42.8	48.8	41.5	41.6	28.2	28.5	41.1	40.6	42.1	51.4	48.9	43.3	43.3	38.1	39.2	39.3	41.2	43.7	42.6
30 Q	45.0	43.9	43.1	42.3	43.9	42.5	42.1	42.8	44.2	45.6	46.2	46.1	45.0	54.8	58.5	56.7	53.1	48.8	36.1	33.3	34.5	33.2	34.3	38.9	43.9
31	40.2	39.9	40.2	43.1	43.8	43.1	42.5	42.6	42.6	42.7	45.7	46.9	47.1	57.7	57.2	47.3	42.1	40.2	41.8	41.2	39.6	38.3	37.9	40.9	43.5
Mean	42.3	43.2	44.1	44.3	46.3	45.2	43.2	44.1	47.7	47.0	47.4	46.5	48.8	53.5	56.1	55.3	52.7	49.2	44.7	40.7	39.2	38.3	38.9	40.8	45.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Meanook — Z = 58,000 γ + — August 1951

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	909	967	1007	1010	974	893	861	845	861	861	828	795	821	847	845	853	818	823	794	818	843	846	899	974	875
2	942	942	828	888	879	828	674	756	855	750	799	834	874	875	865	854	845	846	853	847	858	859	860	865	845
3 Q	861	891	907	876	869	876	874	861	850	848	785	850	805	843	859	859	843	850	838	848	849	853	847	877	855
4	864	874	893	919	913	866	860	855	849	850	847	850	850	844	826	828	829	824	828	826	838	872	913	900	859
5	876	913	906	893	863	850	846	846	847	846	844	844	844	838	838	836	838	836	823	826	843	850	850	868	853
6	873	882	861	852	848	847	845	846	847	850	850	852	858	843	828	802	797	820	828	828	828	846	854	848	843
7	853	855	858	888	882	871	880	864	846	800	690	632	845	863	864	855	851	846	843	832	848	872	908	909	844
8 Q	900	896	891	886	876	893	854	857	851	846	838	848	854	855	857	861	855	845	836	847	849	853	850	859	861
9	867	855	853	855	866	886	736	759	741	807	792	636	794	819	849	854	846	844	834	833	849	854	859	876	824
10 Q	864	854	849	848	845	859	854	831	836	735	810	850	821	768	838	855	864	857	848	839	835	838	858	866	838
11	851	850	858	867	886	886	813	673	800	814	808	789	818	730	797	845	833	832	836	845	854	876	885	920	832
12	921	889	932	909	887	868	834	732	693	641	738	729	707	701	793	759	792	831	844	848	858	896	921	900	818
13 D	891	880	867	921	800	792	973	887	858	1007	920	863	918	1066	953	864	813	887	921	896	872	861	858	864	893
14	872	867	867	867	868	867	865	871	867	865	859	844	853	867	858	852	867	848	854	860	873	900	875	877	865
15	884	913	953	901	876	874	848	736	828	863	863	864	854	843	822	836	825	832	818	828	850	838	857	850	852
16	854	857	867	876	838	822	796	576	854	749	1049	780	864	872	861	846	845	844	854	858	864	863	865	855	842
17	855	853	852	852	852	853	852	853	852	853	855	855	857	855	854	839	813	809	833	855	866	878	900	882	853
18 Q	885	884	872	862	866	864	782	791	821	849	857	855	855	855	855	850	846	843	827	835	838	843	854	858	848
19	857	853	850	853	855	865	861	832	672	631	715	785	742	775	838	849	828	831	844	835	848	855	865	861	817
20 D	887	977	984	920	822	867	751	739	810	828	857	742	723	807	850	852	828	823	845	861	867	899	909	889	847
21 D	926	990	910	942	887	857	639	618	656	811	639	586	738	783	775	832	845	833	816	838	896	929	936	943	818
22	973	937	972	934	674	826	940	974	639	725	534	854	876	828	851	867	855	846	850	865	877	893	898	889	849
23	886	876	872	866	857	857	857	854	834	792	831	772	749	772	830	855	834	832	843	849	843	875	909	974	847
24	893	867	881	930	667	812	598	800	854	607	620	684	778	850	822	836	841	832	850	855	863	867	885	875	807
25 D	887	907	932	915	823	831	887	878	782	714	790	854	844	855	847	854	845	823	845	865	885	872	859	866	852
26	882	936	904	904	756	695	802	641	575	661	627	750	807	822	832	811	833	834	841	866	880	879	904	912	806
27	882	872	872	882	886	887	710	708	663	783	764	778	844	843	820	784	833	849	843	855	864	896	902	889	830
28	875	879	872	874	845	861	869	838	628	749	805	800	812	818	807	830	841	845	861	867	888	882	893	915	840
29	878	885	876	739	787	696	674	790	800	705	714	759	721	789	811	833	855	859	854	861	857	861	866	872	806
30 Q	866	854	861	863	862	861	865	859	859	857	855	836	781	802	830	834	824	817	812	822	843	854	861	857	843
31	861	865	866	857	855	854	864	690	661	751	831	850	796	805	785	762	787	816	823	843	850	855	875	877	820
Mean	883	891	889	886	847	847	818	796	787	789	795	794	816	830	837	837	834	837	840	847	858	868	880	886	841

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook — August 1951

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	03	26	1017	16	18	675	342	16	30	67.7	02	52	26.9	40.8	03	39	1064	17	52	773	291
2	03	17	1299	09	30	589	710	06	09	88.3	02	51	23.9	64.4	01	24	981	07	01	576	405
3 Q								19	42	59.4	23	10	35.4	24.0	02	24	949	10	15	752	197
4	01	55	932	19	00	800	132	14	50	59.4	22	39	29.1	30.3	03	31	948	17	12	808	140
5															02	00	950	16	00	818	132
6	12	28	903	15	34	776	127	14	44	83.4	22	53	36.5	46.9	01	13	910	15	36	771	139
7	03	12	935	10	38	666	269	17	24	64.7	23	48	12.4	52.3	23	17	925	10	18	626	299
8 Q	00	07	923	22	22	814	109	15	31	60.5	22	14	33.5	27.0	00	12	915	10	42	831	84
9	05	23	924	11	31	674	250	08	10	69.0	23	06	35.3	33.7	05	27	910	11	25	526	384
10 Q	06	26	935	09	36	733	202	06	36	70.8	23	10	35.4	35.4	06	24	908	09	37	690	218
11	23	16	973	10	15	508	465	10	24	86.9	07	59	08.6	78.3	00	59	973	07	14	625	348
12	00	17	1009	11	50	479	530	11	56	72.2	08	10	24.7	47.5	00	01	994	09	22	576	418
13 D	04	31	1125	06	45	465	660	15	24	121.0	05	00	05.2	115.8	06	56	1250	04	57	611	639
14	21	48	885	11	20	552	333	15	33	68.6	11	36	30.6	38.0	21	07	917	11	18	456	461
15	22	25	924	16	55	806	118	06	57	83.5	21	05	28.1	55.4	02	17	980	07	34	702	278
16	04	35	1017	10	10	111	906	09	00	118.1	10	20	15.7	102.4	10	37	1346	09	44	417	929
17	23	45	928	16	14	765	163	15	34	59.2	20	44	32.4	26.8	22	31	915	17	24	804	111
18 Q	01	02	930	19	18	821	109	05	58	75.6	20	39	38.4	37.2	01	05	904	06	54	745	159
19	14	27	909	12	30	626	283	08	12	76.7	12	07	29.2	47.5	22	08	876	09	46	599	277
20 D								05	31	115.2	04	24	13.9	101.3	02	51	1053	06	12	556	497
21 D	01	31	1249	10	29	240	1009	10	01	103.8	08	05	16.3	87.5	01	31	1047	10	21	438	609
22								10	40	128.7	08	44	-38.6	167.3	07	21	1033	08	40	429	604
23	00	19	955	11	36	621	334	13	34	71.9	11	24	19.3	52.6	23	05	1044	11	26	699	345
24	04	00	1031	06	35	546	485	05	54	91.0	04	41	-18.3	109.3	03	10	1003	04	30	435	568
25 D								09	06	118.3	03	52	16.7	101.6	08	04	1057	08	50	462	595
26								09	02	108.6	07	15	34.4	74.2	01	44	1009	08	25	412	597
27	05	49	993	10	41	385	608	05	54	78.7	10	34	18.2	60.5	21	15	933	08	15	598	335
28	23	20	951	08	23	647	304	04	14	75.7	07	49	31.0	44.7	23	22	962	08	14	563	399
29	06	35	1279	09	50	526	753	04	25	69.3	05	02	22.1	47.2	17	17	888	06	02	461	427
30 Q	03	22	891	12	41	744	147	14	15	60.3	21	41	32.0	28.3	23	51	872	12	41	731	141
31	10	35	923	15	06	719	204	13	36	62.2	22	39	36.1	26.1	06	42	883	08	00	587	296
Mean			994			612	382			82.3			22.2	60.1			980			615	365
No. days			25			25	25			30			30	30			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 33 Meanook — H = 12,000 γ + — September 1951

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	866	874	880	867	864	865	864	865	865	865	867	869	868	867	875	861	855	838	830	828	842	848	844	875	860
2 Q	868	867	867	875	869	867	867	867	867	866	866	866	871	871	870	859	845	829	824	828	839	852	855	874	860
3 Q	868	869	865	869	883	875	893	890	891	876	844	837	868	890	883	861	844	828	828	833	851	859	890	867	865
4 Q	860	872	873	880	915	895	876	872	872	872	873	872	873	868	870	868	845	837	825	813	817	837	852	882	863
5	865	875	860	864	860	864	865	867	856	860	845	865	876	880	873	863	844	820	802	805	830	860	852	884	856
6	884	866	861	877	876	878	878	907	834	782	759	837	879	878	873	875	852	834	813	817	824	854	865	860	853
7	883	884	869	870	876	869	868	868	868	871	884	876	870	875	883	876	845	813	805	800	820	840	860	860	860
8	861	861	868	871	885	900	888	871	861	865	868	869	869	861	857	853	855	839							
9																			821	836	845	853	873	884	
10	908	883	977	901	915	985	869			705								839	871	861	853	846	869	869	
11	903	856	860	864	880	871	876	784	759	919	884	853	841	729	797	805	852	829	798	796	810	938	1047	908	852
12	915	1032	1040	971	904	843	798	782	549	735	612	797	712	708	618	797	821	851	825	826	837	891	969	993	826
13	992	884	842	876	961	921	813	894	884	884	862	821	861	862	775	744	712	765	736	802	837	852	986	930	854
14	859	953	928	970	1062	946	859	728	738	655	763	804	840	804	848	843	840	796	812	817	823	844	866	863	844
15	886	875	867	866	910	894	879	727	685	644	568	579	613	654	676	789	835	816	789	805	858	867	851	801	781
16 D																			827	859	957	965	937	1041	
17	960	890				960	890	914	898	781	717	641	556	429	509	705	757	789	856	858	868	883	907	883	
18	895	898	921	910	897	688	879	893	841	608	728	851	883	876	874	858	832	797	795	796	801	828	851	860	836
19	862	870	875	876	884	911	923	868	812	959	884	877	865	880	821	642	882	658	722	891	832	848	840	852	847
20 D	890	876	898	907	646	719	563	724	649	618	450	680	728	735	742	750	749	749	748	851	859	914	937	1000	766
21 D	1044	915	899	823	782	767	736	759	401	401	549	455	651	603	763	736	715	759	860	961	868	930	930	937	760
22 D	903	1115	968	953	516	749									742		848	859	797	782	866	922	914	902	
23	898	951	928	958	940	977	793	531	648	465	653	741	804	813	673	819	854	858	843	843	836	874	902	892	812
24	896	877	873	943	866	764	633	865	855	717	538	741	703	546	802	834	839	834	855	848	842	857	857	857	802
25 D	855	873	864	864	883	868	844	911	524	708					646				639	888	980	1003	1065	872	
26	793	887	580	763	876	934	778	798	833	831	814	841	842	841	837	826	801	801	810	825	841	826	841	848	819
27	911	915	996	1112	1090	1012	968	873	848	816	794	731	723	793	771	841	841	841	838	834	845	848	872	864	874
28	927	910	861	840	838	838	835	802	848	853	856	855	856	852	845	855	852	855	850	841	848	848	848	880	854
29	857	855	861	857	864	864	873	895	890	880	872	866	865	857	789	630	755	841	829	813	833	829	868	869	842
30 Q	884	875	876	880	910	880	856	798	863	855	847	866	869	871	864	856	845	834	837	833	837	845	854	858	858
31																									
Mean	892	893	877	892	889	867	834	820	789	775	766	799	816	807	810	813	824	812	812	831	836	860	884	883	837

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 34 Meanook D = 24° E + . . . ' September 1951

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	41.1	42.1	45.1	42.0	44.0	43.1	45.1	43.0	44.0	44.4	45.0	46.4	48.0	51.8	53.7	54.6	52.6	47.7	44.1	40.9	38.8	37.3	39.0	40.2	44.7
2 Q	42.0	42.7	46.4	42.1	43.3	43.1	43.3	45.5	44.2	45.0	45.0	46.8	48.9	51.6	54.2	54.6	53.2	50.7	43.3	39.2	37.1	36.4	39.0	41.2	44.9
3 Q	43.9	43.9	41.9	41.2	47.9	44.4	43.3	47.6	40.8	41.9	45.5	53.8	55.1	55.0	55.2	54.5	54.2	51.7	45.1	41.5	39.2	38.1	37.3	39.2	46.0
4 Q	43.0	41.2	41.3	40.2	42.1	41.2	44.7	43.6	44.1	45.0	46.8	47.9	49.3	51.7	54.0	52.3	54.3	46.8	46.9	41.4	37.7	35.4	35.9	34.1	44.2
5	38.5	38.1	41.5	41.2	42.9	42.1	43.9	45.0	47.6	47.9	39.3	47.6	49.3	53.5	54.1	55.5	53.8	50.6	41.7	36.6	36.8	35.9	32.5	30.1	43.6
6	32.4	39.2	40.2	39.2	41.0	41.2	35.4	31.7	54.1	47.4	40.4	51.7	53.2	57.5	57.5	60.4	57.5	53.2	48.8	46.2	33.6	34.4	38.9	38.9	44.7
7	41.6	41.6	41.2	42.6	43.0	43.0	43.1	44.0	43.9	44.0	44.5	46.0	47.9	53.7	57.5	57.0	55.2	49.8	43.9	34.9	33.1	35.4	38.3	41.3	44.4
8	43.7	44.0	44.0	44.0	44.5	49.3	49.8	43.0	45.5	46.8	47.1	48.1	49.7	52.2	55.6	56.1	52.6	49.8							
9																			42.1	36.4	39.3	42.3	45.0	45.0	
10	41.2	44.5	58.7	54.6	43.7	48.0				58.0								40.7	40.2	41.6	41.5	41.7	43.2	44.6	
11	42.8	44.1	42.1	43.0	43.1	42.0	45.1	41.2	53.2	48.6	48.0	48.9	49.6	59.9	62.1	54.0	48.1	47.1	50.6	53.6	42.6	44.7	45.4	41.7	47.6
12	37.4	45.1	48.5	38.8	43.6	42.7	37.5	36.7	43.9	40.7	75.3	52.2	52.7	55.6	65.0	44.0	42.6	44.4	44.1	39.0	43.5	39.7	41.5	39.7	45.6
13	51.7	37.7	40.8	41.7	68.2	47.4	32.0	44.5	41.5	42.9	44.1	48.6	47.9	51.4	57.3	54.4	43.6	41.6	40.2	39.3	41.4	41.5	46.0	42.2	45.3
14	43.6	39.7	53.6	45.2	31.2	44.5	44.0	58.6	06.6	38.7	51.3	56.1	51.8	50.4	53.3	51.0	48.3	42.0	42.2	38.9	34.5	41.1	43.9	44.0	43.9
15	44.9	51.7	46.6	41.2	46.0	58.5	38.9	40.7	86.3	49.8	71.4	56.7	77.3	81.6	49.7	42.0	40.6	42.6	41.2	35.8	40.0	41.3	40.7	40.8	50.3
16 D	37.7	58.7	44.1	41.0	45.8	43.9	36.4	43.1	23.8	-12.7	62.5	46.5	37.9	76.5	30.6	59.3	44.2	40.2	44.5	41.2	53.6	57.5	44.5	50.4	43.8
17	62.6	49.7	55.7	47.7	44.2	53.5	48.5	50.7	39.8	51.0	41.7	35.4	37.8	68.9	76.5	59.8	62.8	59.2	46.1	44.2	45.8	49.4	50.0	45.0	51.5
18	44.0	53.8	67.2	61.3	48.9	36.6	39.8	43.9	42.3	40.7	41.1	48.6	52.7	54.1	53.7	52.8	51.7	53.7	42.1	37.5	33.3	36.4	43.0	45.0	46.8
19	46.9	45.4	44.0	41.6	42.6	43.8	39.1	45.7	54.8	46.4	49.7	48.9	52.7	58.6	63.3	57.3	66.0	70.0	54.2	43.5	39.2	40.6	41.8	42.7	49.1
20 D	42.8	50.8	57.0	62.5	53.3	69.3	24.4	68.1	69.3	76.1	74.2	50.0	55.1	55.3	55.3	50.7	45.8	45.8	43.7	45.0	41.8	47.9	45.5	51.9	53.4
21 D	65.2	54.0	40.2	64.8	56.1	62.0	39.4	35.9	32.8	59.5	39.2	54.2	66.6	53.7	59.2	57.5	55.8	49.8	39.3	49.1	44.5	49.8	53.2	49.0	51.3
22 D	45.0	64.2	58.8	47.7	57.0	55.0	38.9	45.8	24.8	39.2	30.4	60.4	63.5	48.9	53.7	49.4	52.2	49.3	55.6	41.7	42.5	46.0	42.5	55.8	48.7
23	42.7	61.3	60.1	89.7	43.6	50.0	40.8	24.5	43.6	34.9	48.5	43.8	48.5	50.5	50.3	50.7	48.5	50.3	47.9	47.6	46.9	48.9	44.5	43.5	48.4
24	56.5	57.0	47.3	56.0	50.0	56.1	51.2	37.8	23.5	41.3	38.7	42.6	54.8	42.9	44.1	46.9	47.4	40.7	46.2	45.5	44.2	45.6	42.2	43.1	45.9
25 D	48.8	52.3	49.7	47.5	69.0	49.8	48.9	38.3	36.4	40.3	48.9	93.9	60.5	62.1	66.9	61.3	75.0	66.1	69.0	65.2	63.3	71.3	68.2	51.7	58.5
26	57.0	30.1	38.8	78.3	94.5	35.9	42.2	44.0	45.5	46.4	48.3	47.4	48.0	48.4	49.0	49.8	52.2	46.4	42.5	42.4	40.8	40.8	38.9	39.8	47.8
27	34.6	30.2	27.2	37.8	32.5	33.7	38.3	40.2	36.9	50.4	43.7	64.1	55.8	60.4	48.4	51.0	53.5	47.6	48.4	41.2	42.6	43.6	41.2	40.5	45.1
28	35.6	47.9	40.2	43.1	43.9	44.0	43.9	44.0	44.5	45.0	45.3	46.1	47.0	48.0	51.9	53.0	53.6	51.3	48.4	46.4	44.1	42.5	42.1	40.3	45.5
29	49.4	44.0	41.2	43.6	43.2	43.2	43.6	51.8	45.5	45.5	46.9	47.9	47.0	50.0	50.8	41.0	50.8	40.2	45.3	43.1	42.2	41.6	42.6	41.3	45.1
30 Q	39.3	47.0	45.5	45.2	49.2	45.0	44.1	44.2	46.0	48.8	48.9	47.6	49.8	50.7	50.6	51.8	50.9	49.2	45.0	41.7	40.2	40.3	41.2	42.5	46.0
31																									
Mean	44.9	46.4	46.2	48.4	48.5	46.5	41.4	43.7	43.0	44.0	48.3	51.1	52.2	55.7	54.7	52.8	52.4	49.2	46.3	43.1	41.6	43.1	43.0	42.8	47.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook $Z = 58,000\ \gamma +$ September 1951

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	872	873	864	862	858	855	859	853	850	851	852	857	858	854	858	850	848	841	845	849	859	861	864	868	858
2 Q	867	872	869	859	858	857	854	852	851	852	850	851	853	857	857	855	853	850	847	846	850	853	857	861	855
3 Q	865	866	862	861	862	850	876	849	871	853	816	811	841	871	858	850	850	851	854	850	853	848	862	866	854
4 Q	860	853	852	861	894	913	881	859	850	850	851	851	848	845	840	850	850	850	859	855	852	858	863	864	859
5	863	871	872	864	862	859	852	860	838	820	814	825	849	851	854	851	847	843	846	841	846	849	864	876	851
6	947	884	861	862	859	873	858	863	744	828	750	831	868	865	860	857	855	855	850	851	852	859	871	869	853
7	873	882	865	861	861	857	850	849	848	844	848	839	839	840	849	850	841	839	846	848	861	859	860	853	853
8	845	848	850	854	878	885	863	864	861	859	852	850	851	847	840	841	835	838							
9																			851	855	850	860	877	894	
10	932	933	908	881	927	833												838	864	865	871	866	860	858	
11	893	892	874	861	867	869	875	839	867	862	871	836	711	690	709	734	787	818	850	862	936	984	975	894	848
12	925	905	928	948	876	767	813	812	873	793	785	838	806	807	795	808	840	861	869	877	880	894	917	978	858
13	935	905	903	893	862	792	824	866	882	882	869	849	865	866	807	621	718	810	849	879	906	936	995	926	860
14	910	969	937	941	792	816	814	481	536	732	773	850	821	855	867	866	857	853	874	884	881	884	884	885	832
15	913	959	906	889	886	778	871	635	548	655	710	850	471	592	702	775	827	821	861	857	874	892	878	889	793
16 D	930	969	903	902	766	403	827	881	682	444	846	972	737	857	548	729	828	817	862	873	895	995	928	964	815
17	928	931	943	900	744	682	784	578	550	462	874	759	742	741	749	809	840	857	873	872	881	914	951	908	803
18	906	914	921	890	867	705	840	879	875	763	765	841	864	860	863	861	859	860	882	878	865	878	884	874	858
19	874	873	872	872	885	898	914	789	705	869	881	880	873	857	830	805	840	822	861	957	891	912	913	904	866
20 D	927	926	921	858	813	699	782	654	566	498	811	947					915	907	928	946	916	937	936	943	
21 D	926	940	921	863	680	710	717	704	660	674	900	980	838	732	793	826	908	918	898	928	915	940	969	950	845
22 D	905	981	960	915	554											854	885	885	919	928	929	946	919	921	
23	908	961	906	849	863	865	885	859	906	853	859	852	851	880	816	902	887	886	884	893	915	954	947	935	888
24	967	954	927	834	784	740	710	699	668	810	723	783	723	680	849	861	865	873	893	898	912	929	909	902	829
25 D	914	908	913	908	882	766	782	630	784	789	710	820	873	1027	1219	1011	1073	1141	941	1025	937	836	666	622	882
26	485	519	567	430	505	763	849	874	919	923	899	898	899	898	898	901	900	896	898	904	907	908	909	912	811
27	953	990	994	775	925	946	935	929	913	861	885	839	867	855	861	902	904	894	893	895	899	903	915	923	902
28	982	980	961	906	893	898	896	893	891	892	892	893	894	893	893	893	892	892	893	892	891	893	892	898	904
29	928	904	902	899	891	893	895	863	905	903	891	882	882	873	800	720	818	889	893	885	912	925	926	917	883
30 Q	941	948	906	919	935	905	835	775	816	824	851	873	881	882	885	885	885	888	882	880	881	884	884	882	880
31																									
Mean	895	901	889	860	838	810	844	799	793	796	831	854	822	833	834	835	859	869	872	883	886	898	895	889	854

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook — September 1951

Day	Horizontal Intensity							Declination							Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	01	54	890	19	20	818	72	15	20	56.5	21	21	36.4	20.1	01	56	890	17	49	840	50
2 Q	00	50	890	18	00	746	144	15	48	56.3	20	59	35.3	21.0	01	50	882	18	09	838	44
3 Q	08	20	921	11	07	805	116	11	06	56.8	22	20	36.2	20.6	06	59	893	10	57	772	121
4 Q	05	53	950	19	41	798	152	16	47	56.6	04	57	32.6	24.0	05	25	932	14	21	833	99
5	23	18	908	22	02	789	119	15	43	57.7	23	52	27.8	29.9	23	59	921	09	12	786	135
6	06	44	969	10	50	667	302	08	16	70.8	07	41	06.7	64.1	00	24	969	10	30	612	357
7	01	01	890	19	23	788	102	15	20	59.3	20	03	31.3	28.0	00	58	895	12	46	828	67
8	05	47	936	08	54	834	102														
9																					
10																					
11	09	20	1080	08	05	514	566	08	16	77.5	08	04	00.6	76.9	08	15	1158	12	43	634	524
12	02	36	1204	09	00	525	679	10	37	96.1	09	00	-10.8	106.9	23	54	1054	07	00	671	383
13	00	04	1180	15	26	439	741	04	43	88.4	06	39	17.6	70.8	22	44	1058	15	32	531	527
14	04	12	1253	08	10	347	906	07	15	88.5	08	45	-29.7	118.2	01	19	1008	07	42	283	725
15	05	52	1007	12	35	175	832	10	52	140.9	19	10	31.6	109.3	11	18	1049	08	05	278	771
16 D								09	57	115.2	06	05	-13.0	128.2	11	11	1303	09	15	041	1262
17	05	07	1023	06	56	446	577	09	56	76.6	10	50	06.4	70.2	10	36	1049	05	06	374	675
18	04	00	953	05	21	501	452	05	12	120.4	05	38	17.0	103.4	02	11	982	05	21	467	515
19	08	56	1016	15	45	359	657	16	47	111.0	16	00	17.0	94.0	16	37	1288	16	14	334	954
20 D								09	16	157.2	06	35	03.8	153.4							
21 D								06	08	137.8	08	05	-35.3	173.1	11	31	1267	07	47	187	1080
22 D								05	18	90.5	08	50	-0.2	90.7							
23	02	54	1288	09	18	373	915	03	15	136.2	07	00	-24.6	160.8	06	41	1161	06	29	634	527
24	03	46	1122	09	46	327	795	03	44	96.1	05	31	-2.0	98.1	00	11	1025	05	29	298	727
25 D								12	19	207.1	12	35	-32.0	239.1	16	54	1486	11	25	355	1131
26	05	39	1088	03	59	231	857	00	31	118.1	03	59	-71.9	190.0	09	06	937	03	35	111	826
27	04	03	1268	11	20	665	603	11	16	76.7	08	36	07.9	68.8	02	06	1024	03	22	571	453
28	01	30	1288	14	13	721	567	01	39	76.9	01	06	24.5	52.4	01	23	1076	06	19	874	202
29	08	00	926	15	10	504	422	07	26	62.0	17	35	26.5	35.5	21	13	947	15	00	625	322
30 Q	04	40	934	07	11	622	312	06	09	62.8	07	18	17.5	45.3	00	55	983	07	38	722	261
31																					
Mean			1043			565	478			94.4			05.8	88.6			1049			540	509
No. days			23			23	23			27			27	27			25			25	25

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 37 Meanook H = 12,000 γ + October 1951

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	866	856	852	860	862	862	864	864	873	872	872	872	872	869	871	861	839	840	833	829	833	848	856	856	858
2	857	865	865	866	869	872	873	856	829	821	845	835	839	856	813	837	838	825	823	827	841	839	848	856	846
3	860	858	856	856	860	856	856	860	860	862	858	821	807	868	864	856	841	833	820	829	832	845	852	861	849
4 Q	853	861	860	860	865	865	865	861	863	865	862	857	863	865	857	856	849	843	838	835	834	838	857	857	855
5	849	857	865	865	865	866	865	869	870	869	869	873	870	866	862	857	849	846	838	835	834	841	857	860	858
6 Q	864	865	865	865	865	865	865	865	866	865	866	873	873	873	869	865	853	848	846	848	851	856	857	862	862
7	865	865	866	866	873	912	951	873	768	807	815	753	669	679	794	811	799	834	839	842	826	916	982	963	840
8 D	912	1002	1006	1009	908	846	647	468	436	566	465	779	522	686	795	796	768	818	842	857	856	858	870	893	775
9	904	881	881	879	870	869	748	736	734	659	849	865	765	546	701	859	866	843	842	839	848	865	842	877	815
10	862	874	910	878	858	857	854	878	858	827	818	784	811	858	917	847	803	764	843	831	840	840	867	902	849
11	913	886	874	857	858	843	727	749	727	741	823	645	701	796	827	819	819	813	827	847	850	855	858	862	813
12	866	870	866	855	860	871	913	863	800	803	660	748	850	859	876	863	842	821	831	849	866	866	874	858	843
13	861	871	872	880	945	957	905	882	827	799	653	508	718	827	873	875	857	843	830	838	839	866	875	1085	845
14	884	880	856	857	849	865	853	842	780	759	859	870	864	863	846	842	795	810	793	810	835	823	831	856	838
15	865	873	852	860	855	856	849	801	843	853	841	803	855	865	864	853	847	841	841	847	853	860	864	842	849
16	861	876	876	895	895	876	883	847	718	685	525	813	830	837	851	875	848	838	821	813	801	824	797	908	825
17 D	887	1047	919	919	769	521	717	913	897	778	824	897	580	793	800	530	798	794	865	864	903	857	855	914	818
18 D	904	876	865	939	933	833	792	653	635	636	646	844	820	770	873	819	808	809	814	838	864	867	890	894	818
19 D	946	902	846	812	886	843	575	678	707	611	805	847	704	805	836	752	748	770	932	917	922	940	995	995	824
20	983	925	894	862	885	847	800	680	819	847	808	808	840	859	863	879	863	847	832	832	836	855	867	857	850
21	851	879	882	902	914	914	876	864	820	634	757	855	871	858	863	853	844	836	844	843	844	847	863	864	849
22	870	907	902	886	872	879	898	875	860	786	770	815	738	785	791	746	791	821	847	857	861	852	862	862	839
23	866	862	861	862	866	866	854	823	816	835	843	843	823	825	863	870	858	854	854	857	858	860	853	849	851
24 Q	863	867	870	870	871	877	874	871	870	865	863	877	874	871	870	869	862	854	853	854	863	862	865	857	866
25 Q	866	864	866	868	870	870	877	876	876	877	877	877	874	871	869	870	863	859	862	866	869	870	871	871	870
26	878	878	875	874	876	878	899	901	897	878	767	815	890	878	878	873	871	862	854	853	858	862	846	846	866
27	874	878	874	913	1040	971	906	878	867	865	870	869	857	848	863	862	854	845	851	854	855	863	866	866	879
28 D	871	878	878	881	882	874	909	885	878	878	815	799	796	592	583	416	407	440	511	818	828	769	814	823	759
29	620	751	769	754	769													835	823	827	839	843	843	843	
30	839	843	843	843	840	847	854	866	850	765	764	816	862	854	854	846	831	823	825	825	835	846	847	853	836
31 Q	857	859	858	858	861	862	862	863	862	863	863	863	863	862	859	855	852	839	832	832	839	847	854	854	855
Mean	877	884	875	877	877	861	840	825	810	792	792	817	803	816	838	820	819	817	829	843	849	855	865	880	840

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 38 Meanook D = 24° E + . . . ' October 1951

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	42.9	43.6	43.5	43.9	43.9	44.0	44.1	45.0	45.9	46.0	47.5	47.4	48.9	49.4	51.6	55.1	48.4	49.1	44.0	42.0	40.0	40.2	40.1	45.4
2	41.0	36.4	40.4	42.1	43.0												53.8	52.7	48.4	46.4	43.6	42.1	40.3	42.6	
3	43.5	42.3	42.6	44.0	44.1	45.1	44.8	44.9	45.0	45.5	46.0	43.1	42.0	49.0	51.8	51.3	51.8	49.4	46.0	44.6	41.5	42.0	42.0	42.1	45.2
4 Q	44.0	43.3	43.2	44.1	44.0	44.1										50.2	50.8	50.7	48.9	45.6	40.2	39.2	41.2	42.6	
5	42.0	44.0	43.6	44.0	44.5	44.1	45.8	45.9	46.2	45.2	45.9	45.9	46.9	48.4	49.7	51.8	51.3	50.3	46.4	52.1	39.2	38.3	39.3	40.2	45.5
6 Q	40.1	40.2	41.6	43.6	44.1	44.5	44.5	45.6	46.0	46.9	46.9	46.9	47.4	47.8	49.8	51.3	51.8	50.4	47.1	44.0	42.2	41.1	41.4	42.1	45.3
7	42.1	42.1	42.0	41.6	41.8	41.6	41.5	43.6	41.6	46.7	52.1	57.4	70.5	64.2	54.5	54.8	39.2	38.3	39.2	50.4	42.7	42.7	35.0	34.4	45.8
8 D	39.1	42.7	41.4	40.3	42.0	46.0	48.5	43.5	66.5	71.0	39.2	66.1	78.8	56.5	48.8	46.0	43.7	44.2	44.5	45.0	44.0	42.8	43.6	42.1	48.6
9	44.1	40.1	44.0	44.0	44.1	53.2	41.4	44.0	52.7	28.9	55.1	51.7	58.5	35.4	38.3	51.6	54.6	46.1	46.8	43.5	41.8	42.9	40.2	40.7	45.2
10	42.1	43.7	48.9	62.8	41.7	42.6	44.5	61.3	53.7	52.8	52.8	52.8	52.8	52.8	52.8	51.8	46.9	38.1	41.2	39.2	38.7	41.6	40.8	41.4	47.4
11	48.6	49.0	43.9	43.6	46.6	53.7	44.0	45.5	50.3	52.2	47.0	53.6	34.4	43.1	50.8	48.4	46.0	40.2	38.5	39.7	40.6	43.6	45.6	46.9	45.7
12	47.0	46.1	46.0	48.9	47.5	47.3	47.3	43.4	40.9	50.7	69.0	68.1	54.5	57.6	55.6	53.2	51.6	47.8	41.4	40.6	39.1	42.3	42.1	43.6	48.8
13	42.7	41.1	52.1	47.5	45.5	43.2	42.1	41.1	40.6	51.7	50.9	76.5	64.3	61.3	51.7	51.3	50.3	47.9	42.5	41.3	39.2	41.2	39.2	42.1	47.8
14	41.1	43.1	44.0	45.0	45.5	46.7	43.2	43.1	46.8	47.3	45.4	46.5	47.7	48.2	48.9	48.4	46.3	39.9	42.1	46.9	42.6	38.3	40.8	43.5	44.6
15	45.5	44.2	48.5	49.7	45.6	44.4	45.0	33.3	43.4	47.0	45.1	42.3	46.2	48.5	49.9	51.2	50.7	47.9	44.0	42.6	42.1	41.9	41.2	41.4	45.1
16	44.1	43.0	40.3	50.8	50.8	46.9	50.0	47.5	46.0	58.2	54.6	38.9	57.2	55.4	57.5	57.1	50.8	47.1	42.3	40.3	38.8	40.8	37.1	38.1	47.2
17 D	41.3	42.2	54.5	46.9	61.3	56.8	47.1	43.6	34.4	76.7	72.1	53.2	66.6	56.8	54.9	53.3	34.6	36.4	39.2	50.4	51.2	48.5	37.3	42.6	50.1
18 D	53.7	46.0	46.0	72.9	56.5	51.6	39.3	19.2	37.8	62.3	49.3	47.4	50.9	57.3	54.1	54.9	54.1	52.2	38.5	41.2	44.0	45.8	46.4	44.0	48.6
19 D	50.3	44.0	46.1	63.3	41.5	45.0	36.0	45.0	54.3	44.5	46.1	43.9	45.6	36.0	48.3	47.9	46.9	45.5	38.8	39.7	39.8	39.7	40.6	41.6	44.6
20	45.7	54.5	43.0	45.6	56.5	38.5	50.0	33.4	44.1	52.8	45.0	44.1	47.7	47.5	48.6	52.1	51.6	49.7	46.9	42.2	42.2	41.3	41.2	40.7	46.0
21	42.1	45.1	46.2	58.5	56.5	46.9	46.4	43.9	49.7	33.6	39.7	50.9	48.7	46.9	49.0	48.4	47.9	43.7	43.9	42.9	42.9	42.3	42.3	42.6	45.9
22	43.3	42.2	52.8	48.0	44.5	46.6	46.0	45.2	45.3	42.5	40.8	47.8	47.1	45.6	41.1	46.2	41.4	43.6	43.1	42.1	42.1	42.1	42.6	44.0	44.4
23	43.2	44.0	43.7	43.6	44.7	44.0	41.4	46.1	44.7	48.4	44.9	46.1	48.6	49.0	42.6	46.3	43.4	43.2	39.7	42.1	44.0	43.2	41.9	41.2	44.2
24 Q	41.3	41.2	42.1	43.1	44.1	45.8	44.0	44.6	45.0	46.9	45.0	46.4	46.9	46.9	47.9	49.3	49.3	47.9	44.5	43.3	41.0	41.4	41.4	41.2	44.6
25 Q	40.3	41.3	42.1	43.1	43.7	44.6	44.9	44.5	44.0	45.0	46.0	45.2	45.8	46.0	46.8	48.1	48.1	47.0	43.7	42.7	42.0	41.4	42.1	43.1	44.2
26	42.6	43.1	43.9	44.4	44.2	42.6	43.1	44.1	47.5	47.7	54.6	55.6	49.2	49.8	51.3	51.6	48.9	45.6	41.0	40.8	41.8	39.6	32.5	34.9	45.0
27	37.3	40.1	39.4	38.3	40.2	39.6	43.5	44.7	43.8	46.0	46.9	46.4	46.8	50.3	47.6	48.8	49.6	47.8	44.8	42.9	41.2	42.1	43.1	44.0	44.0
28 D	43.0	43.2	43.9	43.2	43.2	55.5	56.4	42.2	42.6	43.1	44.8	41.2	69.9	78.7	84.7	43.2	89.5	88.1	98.8	83.4	48.1	28.9	38.5	43.5	55.7
29																	49.8	47.9	43.8	42.1	43.1	44.7	45.0	45.0	
30	45.6	45.1	45.0	44.9	44.5	46.7	57.4	49.2	43.9	39.8	45.0	37.5	47.5	47.2	49.2	50.6	50.3	47.5	44.5	42.3	41.3	43.1	43.2	42.6	45.6
31 Q	43.8	44.5	45.0	45.0	44.0	44.5	44.6	44.5	44.4	44.7	45.0	45.1	46.1	46.7	48.1	49.8	50.9	49.3	43.7	43.1	42.1	42.1	42.6	43.3	45.1
Mean	43.5	44.6	44.9	47.5	46.2	46.1	45.2	43.5	45.9	48.7	48.6	49.6	52.0	50.8	50.9	50.4	49.9	47.3	45.1	44.8	42.1	41.5	40.9	41.7	46.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Meanook $Z = 58,000\ \gamma +$ October 1951

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	877	872	872	867	867	867	867	868	867	867	866	865	866	864	864	863	862	862	861	861	859	861	862	867	866
2	872	891	937	913	905												867	867	857	859	870	875	867	868	
3	867	871	868	867	866	866	866	866	866	858	856	820	772	850	863	871	862	863	863	865	868	868	869	872	859
4 Q	866	870	867	864	863	864										864	855	857	855	855	859	858	867	867	
5	872	875	867	863	862	862	870	875	867	866	865	862	859	859	863	855	852	851	851	851	851	856	863	856	861
6 Q	867	872	876	872	865	864	863	864	863	861	852	854	856	857	858	861	861	861	852	852	852	851	853	853	860
7	856	857	861	867	888	910	885	827	712	780	770	752	712	672	674	735	813	840	893	892	892	892	943	944	828
8 D	921	926	909	847	806	760	878	324	776	1082	931	812	673	726	812	851	849	855	883	880	876	877	888	921	836
9	946	930	923	924	892	812	667	674	760	588	790	859	780	652	687	792	829	845	855	857	872	903	902	903	818
10	889	888	940	892	872	863	870	728								849	835	847	878	878	878	898	903	924	
11	968	918	922	894	866	838	653	673	714	755	836	801	772	796	797	818	851	862	867	863	863	867	866	867	830
12	868	868	872	882	889	881	885	847	786	786	666	721	830	845	863	851	851	853	862	866	868	874	878	874	844
13	872	888	903	904	932	959	920	880	871	863	739	656	690	782	858	884	883	874	867	879	877	898	910	1014	867
14	937	919	879	890	878	882	867	861	813	646	829	861	867	867	867	866	845	867	877	911	933	910	888	902	869
15	889	886	898	897	882	877	867	765	824	852	847	824	845	864	867	867	867	866	862	866	870	872	876	881	863
16	895	889	919	923	859	857	881	850	738	648	684	792	800	812	815	842	859	858	866	872	883	899	932	963	847
17 D	932	905	889	845	728	608	834	905	965	964	864	882	743	870	903	786	870	839	871	916	960	936	922	952	870
18 D	929	898	889	844	797	789	851	769	700	560	888	847	862	866	889	893	892	921	890	888	898	920	920	910	855
19 D	987	923	846	905	926	898	747	834	822	802	802	858	780	869	854	1134	1135	909	935	931	941	936	937	948	902
20	980	962	916	907	878	803	823	616	743	769	795	808	840	878	886	884	879	879	876	888	897	903	904	907	859
21	898	900	920	895	857	905	907	872	835	581	719	837	866	868	875	870	868	864	866	872	883	883	889	886	859
22	889	932	948	919	895	893	905	890	875	808	759	796	753	743	753	754	813	868	905	886	894	894	893	889	856
23	896	896	898	894	886	870	788	770	771	813	836	856	840	841	845	852	856	844	859	865	870	874	879	889	854
24 Q	888	886	881	878	879	890	876	874	871	862	856	851	864	865	865	870	867	866	862	863	862	867	870	870	870
25 Q	867	867	867	867	867	867	874	869	865	865	865	865	864	866	866	865	857	855	866	863	870	867	870	862	866
26	863	864	864	864	865	878	898	894	878	870	772	787	862	868	866	866	863	862	866	866	877	889	930	902	867
27	906	919	902	953	958	964	930	898	881	872	870	870	855	844	866	867	869	872	867	872	876	877	879	877	889
28 D	872	872	872	878	878	902	857	872	870	870	803	775	866	679	581	315	550	824	991	920	973	953	929	941	827
29																	881	883	879	880	888	889	889	889	
30	885	885	885	885	885	889	810	877	872	776	765	816	883	880	878	880	877	877	877	878	884	882	879	879	866
31 Q	884	883	878	879	879	879	881	881	881	881	881	879	878	877	879	880	876	876	878	880	886	889	889	879	881
Mean	900	895	890	886	871	862	850	815	825	805	815	822	818	824	833	840	858	863	877	878	886	889	893	900	858

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook October 1951

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	22	43	876	18	51	806	70	18	06	55.7	22	42	37.1	18.6	22	47	881	18	07	850	31
2																					
3	13	24	884	12	09	770	114	16	24	55.6	11	57	36.3	19.3	23	35	883	12	11	716	167
4 Q																					
5	08	04	881	20	03	786	95	15	59	53.7	21	24	36.5	17.2	01	13	883	18	52	851	32
6 Q	16	36	903	16	37	804	99	16	35	57.0	00	46	39.1	17.9	02	50	879	10	27	842	37
7	06	40	983	13	05	505	478	12	54	93.1	12	40	19.9	73.2	23	39	980	12	47	528	452
8 D	02	57	1316	09	43	430	886	08	59	110.4	07	41	-33.8	144.2	09	36	1250	07	31	016	1234
9	00	07	986	09	16	323	663	06	30	68.7	09	09	-33.2	101.9	00	10	986	09	07	-85	1071
10	03	36	986	17	56	660	326	03	07	92.1	17	43	26.7	65.4							
11	00	45	938	11	41	515	423	06	06	78.6	06	31	24.0	54.6	00	48	1012	06	44	497	515
12	06	34	952	10	15	556	396	10	34	84.3	09	58	34.4	49.9	06	26	912	10	12	562	350
13	23	28	1355	10	58	328	1027	11	36	102.6	23	34	16.0	86.6	23	29	1093	11	55	575	518
14	00	01	929	09	18	615	314	05	03	57.9	09	11	26.7	31.2	00	27	963	09	16	508	455
15	01	27	889	07	36	767	122	02	35	55.7	07	26	25.3	30.4	02	36	917	07	33	706	211
16	04	41	1004	10	20	432	572	04	51	73.9	05	01	25.9	48.0	03	26	975	09	37	588	387
17 D								11	45	107.7	10	03	07.5	100.2	11	35	1114	05	33	430	684
18 D	03	22	1078	10	00	464	614	03	27	116.5	07	40	-39.6	156.1	10	05	1081	09	11	041	1040
19 D	02	20	1108	06	23	406	702	03	08	91.4	07	05	03.8	87.6	00	37	1181	06	03	449	732
20								08	11	82.4	07	47	-7.8	90.2	00	29	1027	07	29	289	738
21	04	46	956	09	51	470	486	03	44	85.6	09	17	17.9	67.7	03	40	946	09	42	364	582
22	02	45	942	12	31	703	239	02	51	64.1	10	33	33.6	30.5	01	39	991	13	38	701	290
23	06	09	913	08	32	781	132	12	59	53.8	06	40	25.8	28.0							
24 Q	05	57	889	19	21	832	57	18	03	53.8	18	03	41.0	12.8	05	10	896	10	48	872	54
25 Q	07	04	885	01	38	854	31	15	32	49.9	24	50	39.3	10.6	06	37	875	17	25	851	24
26	07	12	940	10	21	681	259	11	46	59.5	22	40	25.8	33.7	22	47	947	10	26	742	205
27	04	55	1346	12	57	839	507	04	54	54.5	05	14	29.6	24.9	04	54	1002	13	03	830	172
28 D	05	45	1027	12	26	387	640	14	36	109.4	15	24	16.2	93.2	17	55	1135	15	40	189	946
29																					
30	06	13	913	09	45	667	246	06	18	76.2	11	07	31.6	44.6	05	34	905	09	46	657	248
31 Q	11	54	872	19	17	822	50	16	04	52.6	22	03	40.0	12.6	22	05	897	13	41	872	25
Mean			990			623	367			74.9			19.5	55.4			985			554	431
No. days			26			26	26			28			28	28			26			26	26

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 41 Meanook — H = 12,000 γ + — November 1951

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	855	860	860	860	860	860	858	861	861	861	859	862	859	860	860	860	848	832	818	820	830	837	845	865	852
2	853	854	853	899	932	919	872	838	774	821	829	826	827	833	845	841	841	822	804	812	823	841	843	845	844
3 D	849	883	955	1009	971	965	888	835	781	766	852	866	824	664	813	859	853	837	827	817	820	837	859	880	855
4	984	1053	1084	1081	972	772	615	596	590	577	828	850	824	709	756	748	805	841	819	823	834	822	839	842	819
5	848	861	883	886	868	865	853	782	795	816	735	756	862	865	858	858	837	826	797	795	823	829	837	836	832
6	845	853	860	856	845	862	841	768	665	729	774	792	778	841	859	859	862	837	835	815	869	845	852	859	825
7	854	932	1152	1150	1009	972	890	862	829	751	776	789	782	806	855	803	797	823	819	827	828	838	854	863	869
8	866	871	853	866	869	870	866	863	865	867	863	863	846	867	873	869	862	853	837	838	844	854	862	864	860
9	866	864	869	870	906	876	829	682	814	876	845	860	871	854	798	848	876	843	847	848	856	853	854	868	849
10 Q	876	876	877	877	872	869	869	866	867	866	867	867	868	868	869	868	862	856	844	839	845	852	855	859	864
11	862	863	864	862	863	862	863	863	864	860	866	864	856	858	853	869	875	868	853	852	850	837	853	866	860
12	861	885	870	865	860	875	833	743	673	805	773	694	706	763	677	744	792	883	864	862	866	876	868	875	813
13 D	877	876	877	870	908	899	870	878	697	392	778	870	780	702	760	648	697	728	726	824	915	896	918	916	804
14 D	999	1056	867	845	892	890	843	697	714	860	869	851	759	679	766	837	847	838	791	788	851	963	900	885	845
15 D	872	868	909	939	898	880	775	666	664	488	580	738	833	880	835	854	841	837	819	838	840	860	853	858	809
16	868	875	876	883	892	869	861	855	844	770	734	751	797	819	862	883	877	865	845	837	837	851	860	869	845
17	868	872	869	874	875	862	883	820	829	814	836	813	827	837	884	883	882	867	853	844	812	844	852	861	853
18 Q	874	865	869	879	868	861	860	855	837	851	855	816	860	872	867	867	861	855	840	837	837	837	851	861	856
19 Q	869	872	876	868	876	871	876	867	866	863	864	862	862	860	867	868	862	859	844	845	851	855	860	858	863
20	867	873	874	875	868	868	866	866	868	867	868	869	871	869	861	831	866	871	862	846	843	853	851	862	863
21	879	889	889	885	892	889	876	874	875	875	875	875	875	876	874	874	873	868	859	852	851	856	865	865	873
22	879	875	875	875	874	875	869	873	870	867	862	821	850	875	882	879	864	836	813	833	852	857	875	850	862
23	865	875	876	868	875	883	874	858	859	853	813	832	875	865	847	852	859	868	859	836	814	828	854	861	856
24	860	866	877	875	874	875	878	864	861	858	857	864	858	858	858	858	858	858	852	847	845	852	851	860	861
25	872	881	883	875	868	875	867	865	835	811	804	822	863	851	804	823	872	866	851	852	850	846	870	871	853
26	871	874	874	875	868	867	871	873	875	864	867	865	769	701	804	875	868	858	843	823	836	856	868	874	851
27 Q	867	861	867	869	873	871	873	867	860	842	852	870	867	868	868	867	865	857	851	858	864	866	867	875	864
28	875	882	880	881	880	877	873	874	875	879	872	870	844	845	818	845	860	851	822	812	842	850	868	881	861
29 D	874	868	866	873	866	815	852	865	774	547	836	844	673	725	829	847	811	839	846	844	836	849	858	867	821
30	874	875	875	875	872	873	866	808	876	867	866	868	864	828	811	867	858	843	851	853	856	848	858	861	858
31																									
Mean	874	885	892	896	888	876	854	823	809	792	825	833	828	820	834	843	848	846	833	834	844	853	860	865	848

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 42 Meanook D = 24° E + . . . ' November 1951

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	43.9	45.0	45.0	44.8	44.8	44.8	44.7	44.6	45.4	45.8	44.6	46.1	46.5	47.8	48.8	50.4	51.3	50.3	45.0	43.3	41.3	39.9	40.9	41.7	45.3
2	40.3	43.5	45.4	51.7	49.8	52.3	48.9	46.5	47.3	46.5	43.1	41.3	45.5	48.0	47.9	47.4	49.4	46.6	39.3	36.4	32.5	35.2	36.4	34.6	44.0
3 D	37.3	42.6	41.1	47.4	51.6	48.1	48.8	47.9	54.3	50.9	46.1	46.8	53.8	38.2	48.5	53.8	58.5	52.4	48.4	44.9	42.6	41.2	36.2	37.8	46.6
4	35.6	39.4	41.3	42.0	50.7	54.5	69.2	60.2	59.5	58.7	48.4	47.3	50.3	43.1	48.4	44.5	40.1	43.0	43.1	40.6	40.7	40.0	40.7	40.6	46.7
5	39.2	39.8	40.4	51.6	49.8	47.4	45.1	46.5	43.2	43.3	48.9	41.2	46.9	47.6	48.9	50.3	50.7	45.1	41.4	38.4	39.2	41.2	42.1	41.2	44.5
6	44.0	44.0	45.2	45.2	49.3	47.9	47.8	44.2	46.9	57.5	57.2	57.9	58.7	54.2	46.8	39.0	45.0	44.5	43.3	40.7	38.7	39.1	42.6	41.2	46.7
7	40.9	38.2	45.4	46.0	51.0	50.8	47.9	50.0	65.1	48.9	52.7	55.6	43.6	46.0	44.8	42.7	36.8	40.8	41.6	43.3	41.3	42.1	42.6	41.6	45.8
8	42.6	39.0	42.9	45.3	45.7	45.1	45.1	44.7	44.2	45.0	45.7	46.1	45.6	45.5	48.5	49.5	50.5	50.2	47.9	44.4	41.2	39.9	42.1	42.1	44.9
9	43.6	44.9	44.5	44.5	60.0	51.7	50.5	41.4	47.9	46.6	50.0	50.3	49.8	55.8	52.4	55.8	62.2	48.9	46.5	43.9	43.3	42.0	42.7	41.5	48.4
10 Q	42.0	42.7	44.0	44.0	44.0	44.0	44.1	43.9	43.9	44.0	44.1	44.5	44.9	45.0	46.1	48.4	49.4	48.2	46.5	45.1	44.0	43.9	44.0	44.0	44.8
11	44.0	44.1	44.2	44.7	44.6	44.5	44.1	44.1	44.4	45.9	46.4	45.2	43.9	47.9	45.9	47.1	48.4	44.4	42.9	43.0	42.8	41.4	41.6	37.5	44.3
12	39.4	48.1	48.4	45.2	47.0	51.6	44.4	49.0	45.9	51.8	53.8	59.6	49.3	44.5	42.9	29.8	33.6	42.6	40.1	37.9	40.2	41.4	44.0	41.7	44.7
13 D	43.2	46.1	45.0	46.0	45.0	45.8	45.6	43.6	45.1	36.8	58.3	51.8	58.0	56.5	49.8	49.8	43.1	42.6	35.2	41.2	38.3	41.6	41.6	36.4	45.3
14 D	36.9	51.3	43.6	47.4	46.5	63.7	43.6	43.9	45.1	46.9	45.7	47.3	52.6	45.0	51.3	49.8	50.2	47.7	37.8	41.4	44.0	45.6	40.3	39.8	46.5
15 D	41.2	43.6	50.3	56.0	50.0	50.6	41.0	31.1	49.4	41.2	27.7	48.0	56.2	56.0	49.8	52.4	51.3	46.9	43.5	40.1	41.6	41.5	41.2	44.2	45.6
16	46.0	45.9	46.0	54.3	58.2	47.9	47.9	45.5	43.7	39.7	32.4	40.0	46.0	49.6	46.9	52.4	52.2	49.3	44.5	42.7	41.3	41.2	42.1	43.3	45.8
17	43.8	45.0	45.4	45.6	45.7	47.1	51.0	46.8	45.0	44.0	44.0	41.9	45.7	47.6	48.8	49.4	49.4	44.9	42.1	50.6	47.0	34.4	35.6	40.8	45.1
18 Q	42.1	44.0	46.0	48.0	46.8	46.0	44.0	44.9	43.1	44.6	44.5	42.3	43.2	45.0	46.2	47.7	47.9	47.1	44.1	43.1	42.1	42.6	43.1	43.9	44.7
19 Q	44.0	44.0	43.9	43.2	44.0	42.9	45.1	43.9	44.2	44.8	45.0	44.9	45.6	44.7	46.0	40.7	48.5	47.4	45.0	43.3	41.6	39.4	40.7	38.4	43.9
20	41.3	42.5	44.6	46.8	45.2	45.0	44.1	44.0	45.0	45.0	45.2	45.0	45.1	45.1	47.5	46.8	48.7	49.0	47.4	45.7	40.4	38.2	40.2	38.3	44.4
21	39.6	38.0	40.8	43.8	41.2	43.6	44.2	43.1	43.5	43.4	43.6	45.0	45.2	45.0	45.6	47.9	48.9	48.5	47.3	45.7	43.2	43.1	41.9	40.7	43.9
22	39.2	41.9	44.5	44.3	44.0	45.0	43.7	45.7	44.0	45.0	45.4	46.1	50.9	50.2	48.9	50.3	40.9	41.2	41.6	36.7	38.5	39.4	38.9	36.6	43.5
23	42.5	43.6	40.5	43.6	45.4	44.5	44.0	43.6	45.8	46.5	45.1	39.8	46.1	47.0	51.6	49.9	46.1	40.3	40.0	42.8	43.2	38.1	41.6	44.0	43.9
24	42.4	44.6	45.7	44.5	42.6	43.6	44.7	43.9	44.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.2	44.0	42.1	43.9	43.0	43.4	43.2	43.1	43.8
25	42.6	43.9	46.0	43.7	44.9	45.2	46.0	46.2	47.0	56.1	50.2	46.2	50.2	50.8	51.9	45.1	45.6	44.5	39.9	42.1	39.8	41.6	42.1	41.2	45.6
26	43.7	43.0	43.8	43.2	44.0	44.0	44.5	44.5	45.0	45.8	46.0	45.9	44.5	52.6	58.5	51.3	47.4	47.0	44.0	40.8	39.4	40.3	43.6	42.1	45.2
27 Q	41.9	42.3	44.0	44.0	44.5	43.9	45.7	44.5	44.5	44.0	43.1	44.5	49.7	48.4	47.7	47.0	48.0	45.7	43.3	42.1	41.2	41.0	41.3	41.4	44.3
28	43.0	42.6	46.2	42.8	43.6	44.9	45.0	43.9	44.0	43.5	44.7	46.3	45.8	46.8	43.8	42.3	43.6	44.1	38.8	37.5	37.4	37.5	40.8	45.6	43.1
29 D	45.0	46.9	51.7	46.5	46.9	36.9	43.2	46.2	42.5	25.0	39.1	46.9	57.0	32.1	40.2	47.6	39.5	39.2	41.3	41.3	40.6	40.4	40.6	45.0	42.6
30	43.0	43.8	45.2	45.5	45.4	45.0	51.8	29.6	43.2	43.2	45.2	44.8	47.5	45.0	36.4	48.1	43.1	40.2	33.5	35.4	37.9	38.7	40.3	42.3	42.2
31																									
Mean	41.8	43.5	44.7	46.1	47.1	46.9	46.8	44.6	46.4	45.5	45.7	46.4	48.4	47.1	47.5	47.4	47.1	45.6	42.6	41.9	41.0	40.5	41.2	41.1	44.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Meanook $Z = 58,000\ \gamma +$ November 1951

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	883	883	883	883	883	883	883	883	883	880	857	878	877	876	888	888	878	877	879	878	879	882	883	888	881
2	890	893	911	968	980	941	920	889	872	867	877	877	862	850	865	878	877	884	888	889	889	905	910	913	896
3 D	943	953	943	993	963	943	922	889	684	672	844	889	834	716	786	863	878	878	876	874	895	943	973	953	879
4	992	980	931	899	892	726	732	850	849	847	844	879	855	816	812	829	861	877	878	889	894	898	909	919	869
5	925	926	943	839	863	898	878	801	829	845	782	792	866	888	888	884	878	879	883	890	900	894	898	900	874
6	894	886	886	889	900	868	878	801	672	704	744	768	747	758	738	812	854	866	878	911	920	894	892	902	836
7	905	962	987	1039	965	941	889	857	838	856	834	844	862	867	868	829	824	829	856	872	889	883	892	892	887
8	894	909	924	899	886	878	876	870	868	870	874	870	866	872	883	883	882	878	878	877	879	890	888	884	882
9	885	886	888	900	941	882	877	816	801	878	853	867	872	863	820	823	830	834	845	856	867	877	872	878	863
10 Q	885	883	882	875	876	876	875	872	872	872	872	872	872	875	876	878	877	876	878	878	878	878	878	878	876
11	877	877	877	877	877	877	870	870	870	849	856	867	857	835	857	851	855	855	867	872	872	872	878	890	867
12	899	975	910	890	889	878	781	705	565	770	754	674	684	683	717	800	790	845	844	854	858	872	877	874	808
13 D	879	898	898	899	920	899	858	870	814	663	802	862	808	694	802	802	802	840	877	963	959	950	952	953	861
14 D	965	957	941	888	910	900	894	922	898	866	894	878	813	770	801	867	872	889	904	910	952	997	944	941	899
15 D	943	945	945	889	911	888	902	762	726	736	700	700	800	840	888	867	868	888	880	889	891	889	899	899	856
16	910	910	910	905	888	898	888	878	867	792	727	726	782	845	845	851	878	889	878	877	878	881	885	888	862
17	883	882	883	883	890	909	890	855	834	829	827	830	862	866	871	872	867	866	872	883	920	972	943	903	879
18 Q	910	909	910	922	892	888	893	888	855	855	878	856	878	877	878	878	878	877	872	877	881	883	883	883	883
19 Q	883	883	883	888	898	867	890	883	883	878	878	875	872	871	872	866	863	866	866	870	871	872	875	880	876
20	885	889	899	895	898	881	877	875	876	876	876	876	872	872	868	847	829	836	867	866	877	889	894	921	877
21	905	900	899	898	907	920	894	883	879	879	878	874	875	876	877	877	878	877	877	878	879	883	884	881	886
22	932	905	889	885	883	888	889	889	888	878	856	825	834	866	883	878	870	866	862	875	881	888	898	894	879
23	910	898	912	910	909	921	907	905	877	866	836	841	888	881	844	856	889	872	872	871	890	908	899	899	886
24	897	898	898	893	891	908	907	889										840	867	878	883	889	890	889	
25	890	925	930	903	888	883	889	881	814	811	844	856	871	861	815	830	856	866	868	876	878	893	893	893	871
26	892	892	892	892	890	890	889	892	890	872	876	869	793	692	775	829	855	862	857	875	878	870	878	888	862
27 Q	888	888	889	889	889	889	889	883	877	845	836	859	856	867	877	877	878	867	872	872	872	878	883	888	875
28	877	883	898	893	888	882	877	872	872	872	867	851	827	821	827	845	847	870	871	878	903	910	963	910	875
29 D	904	926	910	882	889	765	854	864	799	634	797	840	715	736	771	849	855	859	866	878	893	888	898	932	842
30	910	888	878	882	877	883	854	751	865	867	870	876	859	811	808	845	840	845	743	856	872	872	878	878	855
31																									
Mean	905	910	908	902	901	884	876	857	832	825	836	840	837	826	838	854	859	866	867	880	889	897	900	900	870

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook — November 1951

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	23	37	885	18	37	798	87	16	11	54.5	21	47	37.6	16.9	23	44	899	10	12	789	110
2	04	42	956	08	50	737	219	05	51	63.3	20	20	27.6	35.7	04	44	991	12	17	848	143
3 D	03	42	1094	08	48	602	492	08	33	86.1	02	37	15.9	70.2	03	40	1040	09	00	473	567
4	02	25	1109	08	45	452	657	07	14	90.6	24	53	21.1	69.5	00	56	1027	05	50	519	508
5	03	35	1078	11	56	555	523	03	35	86.3	04	02	26.3	60.0	02	47	959	03	41	668	291
6	05	18	891	08	11	601	290	09	55	66.3	08	05	26.7	39.6	19	55	953	08	36	620	333
7	03	06	1252	09	55	617	635	08	05	82.4	16	11	30.1	52.3	03	17	1067	08	09	775	292
8	01	20	884	12	46	826	58	17	54	52.6	01	24	36.9	15.7	01	53	938	12	36	858	80
9	04	49	971	07	36	465	506	04	52	81.6	07	50	27.8	53.8	04	53	974	07	51	719	255
10 Q	01	10	908	21	35	834	74	15	56	50.8	24	32	40.4	10.4	01	06	897	07	26	813	84
11	23	09	885	21	45	822	63	13	29	50.8	23	20	34.4	16.4	14	37	899	13	34	817	82
12	05	49	974	07	32	503	471	08	06	89.0	15	47	13.2	75.8	01	21	1011	08	15	273	738
13 D	05	49	947	09	14	250	697	09	54	97.8	08	56	-27.6	125.4	19	49	1002	09	17	500	502
14 D	01	04	1331	07	59	322	1009	01	01	96.0	07	58	-13.1	109.1	08	12	1087	12	54	700	387
15 D	03	19	1205	10	42	218	987	03	21	95.1	07	11	-5.0	100.1	03	26	1012	07	15	540	472
16	04	29	926	09	55	662	264	04	35	69.5	10	47	24.5	45.0	03	36	921	10	54	663	258
17	19	46	916	10	01	767	149	06	01	60.5	22	05	27.6	32.9	21	54	1002	10	00	735	267
18 Q	03	05	899	11	35	776	123	04	02	52.6	08	39	38.7	13.9	02	58	940	08	54	818	122
19 Q	04	51	923	05	11	837	86	05	18	54.3	05	07	35.5	18.8	04	53	910	05	31	827	83
20	17	00	923	15	41	815	108	16	30	54.5	23	10	31.4	23.1	23	13	948	16	28	813	135
21	01	02	915	00	01	836	79	16	38	50.4	01	16	33.6	16.8	05	28	932	11	53	862	70
22	20	18	913	11	45	795	118	14	25	56.6	20	10	31.1	25.5	00	43	993	11	47	793	200
23	10	57	910	05	08	744	166	14	17	56.3	21	02	30.7	25.6	14	11	954	10	57	777	177
24	06	45	907	18	11	832	75														
25	04	42	905	14	26	751	154	08	57	59.4	18	28	35.5	23.9	01	55	974	18	57	748	226
26	15	15	898	13	09	652	246	14	11	64.2	20	05	36.2	28.0	03	30	905	13	26	658	247
27 Q	11	47	882	09	57	807	75	12	35	53.7	10	04	36.2	17.5	05	21	903	09	55	797	106
28	16	35	901	14	18	773	128	17	56	58.6	21	44	30.6	28.0	22	36	1017	14	12	755	262
29 D	05	50	959	09	12	396	563	12	46	76.9	05	27	04.8	72.1	01	53	959	09	15	522	437
30	07	00	914	07	27	737	177	06	24	67.2	06	45	11.5	55.7	00	03	940	07	10	646	294
31																					
Mean			968			659	309			68.2			27.1	44.1			967			701	266
No. days			30			30	30			29			29	29			29			29	29

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 45 Meanook — H = 12,000 γ + — December 1951

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	871	867	863	910	908	875	829	859	843	801	685	730	841	872	870	863	840	841	851	854	847	857	861	864	846
2	871	875	871	871	850	811	847	851	839	811	796	827	832	852	869	851	836	836	832	827	850	852	855	866	845
3	871	872	891	882	881	886	882	847	847	631	777	839	847	867	878	881	882	867	856	859	854	851	858	863	853
4	881	878	891	888	893	916	894	902	855	903	835	793	864	794	808	881	883	854	847	836	836	839	889	887	864
5	894	894	897	898	886	871	870	866	854	828	801	836	855	862	867	871	864	847	848	854	857	856	862	874	863
6 Q	878	881	878	878	878	877	871	864	864	873	872	875	878	878	878	876	872	868	862	847	843	849	864	871	870
7	871	876	879	878	879	878	873	876	875	878	806	794	864	895	894	888	882	840	854	871	872	863	864	879	868
8 D	871	897	940	889	888	890	785	465	711	662	465	336	789	902	720	738	798	836	781	820	836	896	875	883	778
9 D	878	889	887	886	886	889	863	850	702	292	443	508	741	589	685	753	854	818	855	836	835	851	868	871	772
10	877	875	882	875	902	925	883	815	536	528	555	596	712	847	855	796	836	928	846	863	893	874	862	879	810
11	873	881	899	871	884	911	880	612	715	776	842	868	851	809	815	776	777	834	816	824	850	860	855	859	831
12	872	878	870	869	871	882	893	801	801	777	819	865	862	859	880	869	864	862	862	868	873	863	871	873	859
13 Q	874	876	879	878	874	869	872	858	831	825	880	870	861	864	880	882	880	873	861	859	865	861	872	876	868
14	884	884	889	883	877	870	877	874	870	868	871	873	872	874	874	870	868	867	869	871	870	854	862	874	873
15	911	923	894	885	868	861	861	878	781	865	875	834	832	867	861	865	859	857	827	748	845	838	857	862	856
16	864	868	873	880	875	868	860	840	839	838	857	865	874	877	877	880	880	873	873	865	858	872	849	852	865
17					863																				
18	862	917	913	967	947	901	1054	849	840	833	851	846	851	824	851	852	858	822	837	840	846	819	823	867	870
19	877	886	884	895	878	879	889	835	837	753	747	857	848	770	727	890	856	861	851	856	858	854	854	836	845
20	887	890	887	886	887	875	864	858	833	724	868	864	868	860	861	862	860	853	863	863	865	865	869	879	862
21	875	874	875	875	876	875	874	878	867	863	868	868	867	876	872	879	879	867	859	852	853	856	848	845	868
22 D	875	875	876	964	915	935	908	907	892	838	751	602	731	786	712	702	755	763	774	822	824	878	887	860	826
23	858	917	1074	868	867	856	911	829	852	816	594	770	861	863	861	864	868	864	848	840	837	840	848	855	853
24 Q	864	864	868	864	857	856	856	856	856	856	856	861	862	863	863	864	864	857	848	845	845	848	852	858	858
25 Q	867	870	870	872	872	868	864	861	860	861	857	866	869	868	866	872	872	861	848	851	844	844	848	856	862
26 Q	868	867	872	872	872	868	870	870	868	868	864	864	867	875	875	875	875	874	857	859	861	860	859	864	868
27	872	872	878	877	883	889	870	876	875	875	861	872	879	872	879	877	882	875	864	872	872	879	879	855	874
28 D	879	882	887	879	801	696	743	434	033	431	431	175	586	149	358	720	701	786	830	914	856	860	784	785	650
29	847	848	853	857	853	850	844	847	844	842	833	841	844	837	786	841	874	861	861	848	848	848	848	856	846
30	855	858	864	855	855	854	852	851	846	832	815	823	786	794	871	878	878	871	855	853	853	862	854	863	849
31 D	878	892	888	867	871	891	972	878	835	676	656	839	847	789	753	816	723	762	822	821	758	855	842	867	825
Mean	874	881	889	884	878	872	874	823	797	774	768	775	831	818	822	844	847	849	845	848	850	857	857	863	843

DECLINATION

Mean values for periods of sixty minutes; Universal Time

Table 46 Meanook D = 24° E + . . . ' December 1951

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	44.0	44.2	46.6	46.2	46.0	45.5	38.7	48.0	43.6	42.1	41.2	51.7	52.6	48.9	49.8	48.1	43.1	40.2	38.3	37.4	39.2	39.2	40.2	37.4	43.9
2	40.8	44.6	47.9	46.0	48.4	41.2	46.9	53.2	47.5	50.8	44.8	50.1	51.7	50.8	50.6	43.1	41.3	38.5	38.0	34.0	38.9	40.7	39.7	41.2	44.6
3	42.7	45.5	47.7	46.8	48.4	48.9	46.1	48.9	50.8	40.2	52.6	50.6	50.8	56.1	52.7	47.1	46.5	42.0	39.7	40.6	41.2	38.2	36.1	37.9	45.8
4	42.2	46.8	46.4	46.9	45.0	43.0	45.1	42.4	47.3	53.2	49.4	57.5	48.4	52.7	52.3	56.1	49.8	47.5	43.0	41.2	37.5	34.8	37.3	42.5	46.2
5	40.3	40.8	43.8	45.5	45.0	44.8	44.2	45.0	43.1	44.0	45.0	49.8	46.9	46.1	43.1	46.4	47.7	46.4	41.9	41.5	41.2	40.8	42.7	43.6	44.1
6 Q	43.9	43.6	44.1	44.8	44.5	44.2	45.0	42.1	43.0	43.1	43.7	45.0	45.1	45.2	46.2	46.9	48.0	47.6	46.1	45.2	39.8	39.3	40.2	41.3	44.0
7	42.1	43.1	44.8	44.8	44.9	44.7	44.2	45.0	45.1	44.1	41.1	45.6	52.2	50.7	48.9	47.5	45.5	39.2	32.9	36.8	40.2	40.0	42.5	42.1	43.7
8 D	41.4	49.3	49.8	46.0	45.0	45.5	46.7	08.7	40.2	54.6	56.9	79.4	58.9	53.7	52.5	45.6	37.9	39.4	43.6	39.2	35.1	35.9	38.1	45.5	45.4
9 D	46.5	45.1	45.1	51.3	59.4	43.7	42.1	46.6	58.0	34.4	78.2	65.7	49.8	64.1	30.2	29.4	42.1	35.6	40.7	34.8	32.4	37.5	43.6	45.6	46.0
10	45.9	46.0	45.5	45.6	45.7	48.9	46.8	46.4	39.4	48.0	52.3	39.6	49.4	55.1	51.0	46.4	41.1	39.7	41.2	43.0	41.3	41.2	43.1	50.3	45.5
11	47.9	46.2	53.2	46.8	47.7	48.0	48.5	02.5	34.5	51.4	44.5	50.3	48.5	52.1	45.7	41.1	39.2	36.9	33.5	36.5	36.4	39.7	41.0	44.7	42.5
12	46.0	46.0	46.9	46.8	46.1	55.7	45.7	38.2	39.9	37.5	42.1	45.0	47.9	48.4	46.4	46.0	46.2	45.9	44.0	42.6	42.2	41.8	42.7	45.0	44.8
13 Q	43.7	44.5	45.4	44.5	56.2	48.9	46.8	45.0	40.4	32.6	43.3	44.5	44.6	43.1	45.9	48.6	46.4	45.7	44.5	43.3	42.2	40.4	41.2	42.6	44.3
14	42.1	42.9	43.0	43.2	46.1	43.9	45.0	44.0	42.9	43.5	45.0	45.2	45.0	46.0	45.9	46.0	46.4	45.0	45.9	44.2	43.2	40.2	37.6	38.4	43.8
15	38.3	34.4	42.6	45.1	46.6	46.4	46.0	43.6	34.0	44.0	46.0	53.7	43.2	45.0	49.8	47.0	45.8	43.0	45.0	39.3	33.5	35.9	40.2	41.2	42.9
16	43.1	42.2	44.0	44.0	45.0	49.0	47.3	43.1	42.1	41.0	43.2	43.9	42.6	44.0	44.1	46.2	46.1	46.2	45.1	43.2	43.1	42.2	41.2	41.2	43.9
17	41.6	40.7	42.5	43.5	43.5													43.7	41.7	35.1	34.5	39.2			
18	40.2	43.6	43.0	43.6	42.1	45.0	45.1	46.2	49.8	44.0	44.4	46.3	48.9	43.3	44.0	47.6	50.1	47.6	38.4	38.3	39.7	40.6	36.4	41.4	43.8
19	45.8	43.7	44.6	42.7	44.2	42.2	44.1	30.5	46.0	44.9	37.4	47.0	49.8	50.9	41.0	48.7	47.9	46.2	46.0	45.3	43.2	41.5	41.5	40.6	43.9
20	43.9	42.6	46.1	55.1	45.0	45.0	44.6	46.0	47.3	26.6	47.3	48.0	45.0	45.8	45.6	47.1	47.7	47.4	45.0	44.0	41.2	40.2	42.1	42.1	44.6
21	41.7	42.2	44.1	45.5	45.0	44.2	44.9	44.8	45.0	44.0	45.9	45.3	44.7	44.5	47.1	49.0	46.5	44.8	44.0	43.0	42.3	41.3	40.2	41.3	44.2
22 D	40.3	40.8	40.4	63.7	48.7	38.9	46.0	40.9	41.3	43.8	46.1	46.5	52.9	51.3	54.6	42.3	31.6	38.4	29.6	30.6	41.3	38.5	37.7	37.1	42.6
23	41.6	40.2	40.2	41.9	44.9	45.1	46.0	47.1	46.0	46.9	46.5	46.9	44.1	44.8	46.9	47.0	44.1	44.5	43.1	43.1	41.2	42.1	41.3	42.2	44.0
24 Q	43.1	43.1	43.9	44.5	44.3	44.2	44.2	44.9	44.0	44.1	45.0	45.4	44.8	44.7	45.6	46.5	46.6	46.0	45.0	44.1	42.7	42.1	41.6	42.1	44.2
25 Q	41.2	42.2	44.2	45.0	45.5	44.6	44.0	44.4	44.0	45.1	43.7	46.5	45.2	44.3	44.9	46.0	46.9	46.9	46.2	45.7	44.0	42.7	42.8	41.9	44.5
26 Q	42.6	43.1	43.3	44.0	44.0	44.4	43.9	43.9	44.0	44.0	46.7	46.8	45.0	42.8	43.1	45.0	46.7	47.5	45.8	45.1	44.0	43.2	42.1	43.1	44.3
27	44.0	44.0	44.0	43.1	45.2	51.8	42.6	43.9	43.9	43.8	45.4	44.8	44.0	43.1	44.1	44.9	46.0	45.0	43.7	44.4	41.5	41.2	44.1	50.9	44.5
28 D	51.7	47.6	44.6	41.6	50.7	58.5	37.4	44.0	14.0	51.2	42.5	43.3	56.3	20.2	54.2	49.5	24.9	26.0	35.1	40.2	42.2	43.6	43.6	44.5	42.0
29	46.8	46.9	46.6	45.7	45.5	45.4	45.0	45.0	44.5	46.4	41.5	45.4	45.1	38.9	35.2	43.9	45.9	44.0	43.2	42.8	41.6	42.7	43.6	43.7	43.9
30	44.2	45.2	44.6	45.0	44.6	44.0	43.3	43.3	45.7	45.5	53.8	50.3	43.1	40.0	43.2	45.6	46.0	44.9	44.0	44.0	41.8	40.2	41.4	39.4	44.3
31 D	40.2	39.4	39.3	43.3	44.7	45.0	59.2	41.7	45.0	46.1	54.2	53.7	50.9	47.0	49.9	47.7	41.9	31.2	42.0	39.3	40.8	42.8	42.2	41.4	44.5
Mean	43.3	43.7	44.8	46.0	46.4	46.1	45.2	41.7	43.1	44.0	47.0	49.1	47.9	46.7	46.4	46.1	44.2	42.6	41.8	41.1	40.5	40.4	41.0	42.4	44.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook $Z = 58,000\ \gamma +$ December 1951

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	882	886	893	890	898	883	829	851	827	766	730	673	800	862	859	872	845	854	856	861	871	879	892	911	849
2	923	907	898	895	894	724	845	844	843	810	756	793	795	785	790	808	820	848	867	878	894	900	898	899	846
3	906	916	917	905	899	919	905	863	797	695	755	810	811	827	834	827	823	836	840	862	877	878	892	905	854
4	911	911	891	883	894	910	894	908	852	844	875	857	889	786	721	807	844	845	877	871	866	897	937	911	870
5	885	894	910	911	884	872	867	872	854	820	776	822	854	865	882	883	872	872	871	865	870	877	881	888	869
6 Q	885	879	878	877	877	878	878	866	867	872	876	875	876	871	872	872	872	872	866	870	870	870	875	877	874
7	876	875	879	881	880	878	877	877	877	865	774	742	793	839	845	844	851	845	835	848	866	877	876	888	854
8 D	888	963	995	921	909	893	824	686	705	835	845	708	759	797	748	797	856	856	889	920	921	927	916	921	853
9 D	894	891	916	933	919	899	886	872	762	620	806	897	847	769	743	730	834	879	986	916	878	889	899	899	857
10	891	890	894	898	910	829	867	835	667	795	786	754	716	788	835	822	867	890	899	894	890	885	899	921	847
11	921	929	933	899	911	889	845	409	754	790	813	868	857	830	829	802	837	856	856	869	886	892	896	903	845
12	899	898	886	883	898	905	911	797	790	769	809	862	862	861	888	878	867	874	866	869	875	880	886	881	866
13 Q	886	875	878	888	902	892	877	869	823	792	864	868	861	847	865	874	865	870	872	878	878	878	878	878	869
14	883	879	883	889	897	894	896	892	896	883	878	875	872	871	872	872	875	877	872	875	872	875	929	934	885
15	953	962	946	912	896	885	885	892	809	842	883	842	831	859	858	882	871	872	872	853	903	902	906	899	884
16	896	913	903	910	918	905	895	859	850	850	870	881	885	878	883	882	883	881	883	883	889	886	883	847	884
17	849	849	849	876	858													772	842	877	881	894			
18	920	930	913	963	983	985	922	890	850	840	889	881	878	872	889	888	888	862	864	881	886	886	904	926	900
19	904	903	919	935	924	923	931	862	868	806	773	856	862	813	803	889	883	872	881	889	889	899	898	920	879
20	921	920	926	930	938	922	899	890	854	748	862	868	883	879	881	889	883	883	872	882	881	893	892	894	887
21	894	894	894	895	894	892	892	892	885	881	882	882	883	883	882	883	892	881	878	877	877	896	893	897	887
22 D	906	898	912	976	956	978	941	939	924	882	797	698	674	744	757	752	767	798	905	898	921	976	947	911	869
23	898	937	1008	936	907	908	897	883	882	863	744	811	871	883	883	884	876	878	862	866	878	888	889	889	884
24 Q	889	889	889	890	890	888	890	889	889	889	882	880	883	883	879	878	884	885	888	880	880	883	889	886	886
25 Q	888	888	890	889	888	888	888	888	889	883	872	868	874	878	879	878	878	879	883	883	883	883	883	883	883
26 Q	879	879	879	879	880	880	879	879	883	883	872	872	868	877	888	888	882	879	881	880	878	878	880	882	879
27	883	883	881	883	919	920	899	899	888	884	857	857	869	874	876	874	872	872	878	872	870	877	883	888	882
28 D	888	888	878	890	851	691	797	1002	907	765	777	853	691	346	849	857	818	874	881	905	929	913	910	910	836
29	907	903	890	891	889	889	889	889	876	877	866	851	845	856	815	865	879	878	879	890	890	890	890	890	879
30	890	890	889	889	888	888	889	889	883	851	803	818	797	803	858	889	883	883	883	894	892	894	891	894	872
31 D	898	900	906	907	910	912	836	808	774	759	802	856	862	856	855	888	874	878	915	916	948	958	939	931	879
Mean	898	902	906	904	903	887	881	856	841	822	826	833	835	826	844	855	861	868	879	881	887	894	898	899	870

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook December 1951

Day	Horizontal Intensity							Declination							Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	08	48	909	11	04	655	254	14	11	58.0	06	06	22.9	35.1	23	47	926	11	00	630	296
2	05	10	1057	05	40	664	393	05	17	69.9	05	38	-7.7	77.6	00	30	930	05	27	624	306
3	02	43	909	09	17	524	385	13	18	58.0	09	16	30.5	27.5	05	33	932	09	20	603	329
4	05	44	959	13	37	643	316	14	54	70.0	21	36	29.6	40.4	07	43	958	14	38	686	272
5	02	35	945	10	55	777	168	11	26	52.5	14	37	37.2	15.3	02	50	939	10	48	746	193
6 Q	07	15	892	21	06	825	67	16	44	49.9	07	24	37.5	12.4	00	25	894	07	27	842	52
7	13	17	910	11	02	759	151	12	18	54.6	18	00	26.6	28.0	23	38	898	11	12	710	188
8 D	01	57	995	11	17	159	836	11	35	108.7	07	30	-57.0	165.7	10	36	1067	07	09	486	581
9 D	18	25	1034	09	24	212	822	10	40	97.6	09	44	16.2	81.4	18	25	1088	09	30	465	623
10	05	07	1186	08	17	325	861	13	00	75.3	05	09	03.7	71.6	04	49	951	08	07	527	424
11	06	44	968	08	23	334	634	06	53	70.5	08	02	-52.1	122.6	02	10	1001	07	37	193	808
12	06	12	918	09	29	731	187	05	39	62.4	09	19	26.2	36.2	06	12	926	07	40	727	199
13 Q	00	07	891	09	02	787	104	04	33	62.2	09	19	26.0	36.2	04	30	916	09	26	752	164
14	23	13	913	22	31	827	86	17	16	48.9	23	17	32.3	16.6	23	01	965	12	22	867	98
15	00	47	957	19	46	698	259	11	20	59.7	08	10	16.7	43.0	22	13	969	08	12	763	206
16	03	55	904	07	36	835	69	05	17	53.6	07	31	37.3	16.3	04	33	926	07	39	827	99
17																					
18	03	27	1164	13	24	739	425	03	26	58.4	22	03	29.2	29.2	03	30	1118	09	07	762	356
19	15	32	969	09	53	485	484	13	41	55.8	07	13	12.0	43.8	23	07	968	09	44	657	311
20	00	53	1168	09	12	607	561	03	06	63.3	09	23	19.9	43.4	02	48	975	09	27	686	289
21	03	10	887	23	26	801	86	15	36	50.9	23	21	38.0	12.9	04	00	904	10	58	870	34
22 D	03	41	1057	11	54	463	594	03	49	98.8	18	51	18.8	80.0	03	47	1046	11	55	527	519
23	02	09	1362	10	24	447	915	02	07	69.2	02	11	13.4	55.8	05	07	1056	10	30	657	399
24 Q	01	33	879	19	21	834	45	17	56	49.7	22	30	39.7	10.0	22	35	894	11	37	875	19
25 Q	00	09	878	20	55	840	38	16	48	49.5	24	22	29.7	19.8	00	12	893	11	10	859	34
26 Q	13	44	887	04	15	817	70	17	24	49.3	23	18	39.7	09.6	09	27	889	11	57	861	28
27	04	54	918	11	02	825	93	04	59	47.8	21	39	35.5	12.3	05	00	974	11	03	810	164
28 D								08	12	144.4	08	41	-294.0	438.4	12	00	1050	13	37	053	997
29	16	10	894	14	49	743	151	12	25	49.9	14	29	27.7	22.2	00	18	913	14	49	783	130
30	21	36	885	13	00	746	139	10	19	61.4	12	45	37.0	24.4	21	38	898	10	02	742	156
31 D	06	36	1128	10	09	600	528	06	40	84.7	09	57	16.2	68.5	15	52	1015	09	54	607	411
Mean			980			645	335			66.1			09.6	56.5			963			673	290
No. days			29			29	29			30			30	30			30			30	30

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

HORIZONTAL INTENSITY (gammas) (All Days)

Table 49 Meanook 1951

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+20	+23	+24	+29	+28	+21	+15	-1	-17	-27	-32	-19	-20	-18	0	+3	+2	-7	-13	-10	-10	-8	-3	+8
February	+26	+40	+50	+57	+46	+40	+29	-13	-25	-26	-55	-54	-46	-27	-23	-6	-8	-10	-12	-11	-3	+7	+11	+14
March	+37	+40	+38	+37	+43	+42	+29	+10	-26	-73	-77	-77	-60	-37	-17	+3	-1	-5	-7	0	+13	+24	+26	+44
April	+87	+97	+92	+85	+59	+53	+17	-41	-42	-73	-104	-113	-122	-84	-30	-5	-16	-16	-5	+3	+17	+27	+42	+66
May	+65	+61	+69	+35	+39	+29	-1	-24	-54	-99	-92	-66	-51	-24	-4	0	-7	-17	-12	-3	+5	+26	+50	+70
June	+55	+56	+46	+40	+41	+17	-16	-20	-38	-40	-60	-58	-35	-18	-2	+2	+5	-2	-13	-12	-14	0	+21	+40
July	+40	+45	+46	+49	+52	+26	-3	-23	-54	-51	-53	-58	-30	-35	-11	+3	+6	-3	-5	-6	-2	+8	+17	+30
August	+48	+61	+57	+69	+55	+39	+1	-29	-98	-85	-107	-67	-51	-16	+6	+6	-1	-4	-2	+2	+12	+20	+37	+45
September	+55	+56	+40	+55	+52	+30	-3	-17	-48	-62	-71	-38	-21	-30	-27	-24	-13	-25	-25	-6	-1	+23	+47	+46
October	+37	+44	+35	+37	+37	+21	0	-15	-30	-48	-48	-23	-37	-24	-2	-20	-21	-23	-11	+3	+9	+15	+25	+40
November	+26	+37	+44	+48	+40	+28	+6	-25	-39	-56	-23	-15	-20	-28	-14	-5	0	-2	-15	-14	-4	+5	+12	+17
December	+31	+38	+46	+41	+35	+29	+31	-20	-46	-69	-75	-68	-12	-25	-21	+1	+4	+6	+2	+5	+7	+14	+14	+20
Year	+44	+50	+49	+48	+44	+31	+9	-18	-43	-59	-66	-55	-42	-30	-12	-4	-4	-9	-10	-4	+2	+13	+25	+37
Winter	+26	+34	+41	+44	+37	+30	+20	-15	-32	-44	-46	-39	-24	-24	-14	-2	0	-3	-10	-8	-2	+4	+8	+15
Equinox	+54	+59	+51	+54	+48	+36	+11	-16	-36	-64	-75	-63	-60	-44	-19	-12	-13	-17	-12	0	+10	+22	+35	+49
Summer	+52	+56	+54	+48	+47	+28	-5	-24	-61	-69	-78	-62	-42	-23	-3	+3	+1	-6	-8	-5	0	+14	+31	+46

DECLINATION (minutes) (All Days)

Table 50 Meanook 1951

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	-2.0	-0 3	+0.7	+1.4	+1.5	+1 3	+1.2	-0.2	-1.4	0.0	+1.2	+2.6	+2.9	+1.9	+0.7	+2.5	+3.5	+1.3	-1.5	-2.4	-3.5	-4.2	-4.1	-2.8
February	-2.0	-0.5	+1.3	0.0	-0.2	+2.2	+0.1	-1.7	-0.4	+0.1	+1.2	+1.9	+3.0	+2.7	+3.5	+3.1	+2.1	+0.7	-1.1	-2.5	-3.4	-3.9	-3.3	-1.9
March	-4.2	-3.8	-3.3	-0.5	-0.2	-1.1	+0.2	-0.2	+2.2	+2.1	+2.2	+5.2	+6.5	+4.5	+4.3	+4.2	+3.9	+1.7	-1.2	-2.7	-3.9	-4.6	-5.1	-5.1
April	-5.8	-6.4	-4.5	-1.2	+0.7	-2.3	-2.5	-1.2	-2.4	+2.1	+3.4	+6.4	+8.7	+7.6	+9.0	+9.2	+6.9	+2.9	-1.8	-4.1	-4.9	-6.3	-6.8	-7.5
May	-6.9	-6.9	-4.2	-2.9	-2.0	-0.5	-1.0	-1.1	-0.4	-0.8	+3.2	+5.5	+7.3	+9.1	+10.5	+10.2	+8.6	+4.5	+0.4	-2.7	-7.1	-7.8	-8.0	-7.5
June	-5.8	-5.2	-3.9	-2.4	-2.8	-1.8	+1.5	+1.2	-0.7	-2.5	-0.3	+0.8	+3.5	+8.2	+10.1	+11.7	+9.7	+6.4	+2.7	-0.6	-5.8	-7.9	-8.3	-7.2
July	-5.8	-4.8	-3.3	-2.6	0.0	+0.6	+1.7	-0.2	-2.4	-1.7	-0.3	+1.2	+4.2	+8.1	+9.2	+10.6	+9.2	+6.3	+1.6	-3.3	-5.7	-7.0	-8.0	-6.4
August	-3.5	-2.6	-1.7	-1.5	+0.5	-0.6	-2.6	-1.7	+1.9	+1.2	+1.6	+0.7	+3.0	+7.7	+10.3	+9.5	+6.9	+3.4	-1.1	-5.1	-6.6	-7.5	-6.9	-5.0
September	-2.2	-0.7	-0.9	+1.3	+1.4	-0.6	-5.7	-3.4	-4.1	-3.1	+1.2	+4.0	+5.1	+8.6	+7.6	+5.7	+5.3	+2.1	-0.8	-4.0	-5.5	-4.0	-4.1	-4.3
October	-2.8	-1.7	-1.4	+1.2	-0.1	-0.2	-1.1	-2.8	-0.4	+2.4	+2.3	+3.3	+5.7	+4.5	+4.6	+4.1	+3.6	+1.0	-1.2	-1.5	-4.2	-4.8	-5.4	-4.6
November	-3.0	-1.3	-0.1	+1.3	+2.3	+2.1	+2.0	-0.2	+1.6	+0.7	+0.9	+1.6	+3.6	+2.3	+2.7	+2.6	+2.3	+0.8	-2.2	-2.9	-3.8	-4.3	-3.6	-3.7
December	-0.9	-0.5	+0.6	+1.8	+2.2	+1.9	+1.0	-2.5	-1.1	-0.2	+2.8	+4.9	+3.7	+2.5	+2.2	+1.9	0.0	-1.6	-2.4	-3.1	-3.7	-3.8	-3.2	-1.8
Year	-3.7	-2.9	-1.7	-0.3	+0.3	+0.1	-0.4	-1.2	-0.6	0.0	+1.6	+3.2	+4.8	+5.7	+6.2	+6.3	+5.2	+2.4	-0.7	-2.9	-4.8	-5.5	-5.6	-4.8
Winter	-2.0	-0.6	-0.6	+1.1	+1.4	+1.9	+1.1	-1.2	-0.3	+0.2	+1.5	+2.8	+3.3	+2.4	+2.3	+2.5	+2.0	+0.3	-1.8	-2.7	-3.6	-4.0	-3.6	-2.6
Equinox	-3.8	-3.2	-2.5	+0.2	+0.4	-1.0	-2.3	-1.9	-1.2	+0.9	+2.3	+4.8	+6.5	+6.3	+6.4	+5.8	+4.9	+1.9	-1.2	-3.1	-4.6	-4.9	-5.4	-5.4
Summer	-5.5	-4.9	-2.4	-2.4	-1.1	-0.6	-0.1	-0.4	-0.4	-1.0	+1.0	+2.0	+4.5	+8.3	+10.0	+10.5	+8.6	+5.2	+0.9	-2.9	-6.3	-7.6	-7.8	-6.6

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Meanook 1951

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+20	+28	+28	+30	+26	+18	-3	-11	-4	-27	-28	-24	-23	-23	-15	-12	-13	-11	-6	+1	+1	+12	+15	+17
February	+29	+35	+35	+26	+13	+13	+11	-12	-16	-15	-38	-37	-37	-32	-30	-21	-13	-5	+2	+7	+13	+19	+22	+25
March	+36	+34	+42	+39	+39	+32	+8	-14	-21	-52	-65	-77	-61	-46	-29	-18	-10	+1	+10	+19	+28	+32	+33	+39
April	+52	+54	+50	+36	+17	+12	-7	-33	-50	-62	-57	-24	-48	-52	-37	-21	-16	+3	+11	+19	+30	+37	+43	+49
May	+29	+37	+40	+32	+30	+8	-20	-21	-42	-37	-40	-40	-21	-22	-14	-10	-11	-9	-4	+8	+20	+27	+32	+35
June	+30	+37	+34	+27	+25	+9	-17	-24	-19	-15	-32	-38	-46	-39	-20	-10	-3	0	-1	+3	+10	+23	+32	+35
July	+49	+47	+47	+47	+36	+8	-6	-31	-40	-58	-48	-42	-36	-35	-17	-7	-2	-4	-3	+3	+9	+16	+28	+45
August	+42	+50	+48	+45	+6	+6	-23	-45	-54	-52	-46	-47	-25	-11	-4	-4	-7	-4	-1	+6	+17	+27	+39	+45
September	+41	+47	+35	+6	-16	-44	-10	-55	-61	-58	-23	0	-32	-21	-20	-19	+5	+15	+18	+29	+32	+44	+41	+35
October	+42	+37	+32	+28	+13	+4	-8	-43	-33	-53	-43	-36	-40	-34	-25	-18	0	+5	+19	+20	+28	+31	+35	+42
November	+35	+40	+38	+32	+31	+14	+6	-13	-38	-45	-34	-30	-33	-44	-32	-16	-11	-4	-3	+10	+19	+27	+30	+30
December	+28	+32	+36	+34	+33	+17	+11	-14	-29	-48	-44	-37	-35	-44	-26	-15	-9	-2	+9	+11	+17	+24	+28	+29
Year	+36	+40	+39	+32	+21	+8	-5	-26	-34	-43	-42	-36	-36	-34	-22	-14	-8	-1	+4	+11	+19	+26	+32	+35
Winter	+28	+34	+34	+30	+26	+16	+6	-12	-22	-34	-36	-32	-32	-36	-26	-16	-12	-6	0	+7	+12	+20	+24	+25
Equinox	+43	+43	+40	+27	+13	+1	-4	-36	-41	-56	-47	-34	-45	-38	-28	-19	-5	+6	+14	+22	+30	+36	+38	+41
Summer	+38	+43	+42	+38	+24	+8	-16	-30	-39	-40	-42	-42	-32	-27	-13	-8	-6	-4	-2	+5	+14	+23	33	+40

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

HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 52 Meanook 1951

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+9	+8	+6	+5	+1	-2	-4	+4	-3	-2	-5	+3	+4	+3	+1	+2	+1	-7	-10	-11	-7	-3	+1	+5
February	-1	+3	+3	+5	+6	+5	+2	+2	+2	0	-3	-4	+4	+4	+3	+4	+4	-1	-6	-7	-9	-8	-7	-5
March	-1	+2	+5	+5	+6	+6	+11	+7	0	+4	+5	0	-4	+5	+2	+8	+3	-9	-10	-13	-13	-10	-6	-6
April	+5	+8	+7	+4	+2	+3	+5	+6	+6	-14	+8	+3	+2	+15	+12	+5	-5	-15	-19	-20	-13	-7	-9	0
May	+11	+24	+27	+17	+14	+13	+11	+9	+3	+1	0	+4	-11	+7	+3	-2	-7	-14	-28	-29	-25	-16	-14	+1
June	+8	+21	+23	+8	-2	-3	-3	+2	+4	-15	0	-5	-7	+2	+16	+22	+13	-3	-14	-21	-21	-15	-9	-3
July	+21	+20	+13	+13	+13	+11	+9	0	-40	-18	-12	-1	0	-7	+26	+18	+9	-6	-18	-24	-25	-16	-4	+12
August	+16	+21	+8	+8	+8	+16	+16	+8	+9	-7	+11	+12	-15	+13	+18	+11	-12	-28	-34	-31	-23	-23	-6	-3
September	+8	+10	+11	+13	+27	+15	+10	-3	+11	+6	-2	+1	+9	+12	+11	0	-14	-28	-32	-34	-24	-13	-2	+10
October	-1	+1	+2	+2	+4	+6	+7	+5	+5	+5	+4	+7	+7	+6	+3	+1	-6	-13	-16	-15	-11	-7	-1	-2
November	+8	+7	+10	+11	+10	+6	+7	+3	-2	-3	-1	-5	+3	+6	+6	+6	0	-8	-21	-20	-15	-11	-4	+4
December	+5	+7	+8	+8	+6	+3	+2	-3	-9	-8	+1	+2	+2	+5	+7	+9	+8	+2	-10	-13	-13	-13	-6	0
Year	+7	+11	+10	+8	+8	+7	+6	+3	-1	-4	+1	+1	0	+6	+9	+7	0	-11	-18	-20	-17	-12	-6	+1
Winter	+5	+6	+7	+7	+6	+3	+2	+1	-3	-3	-2	-1	+3	+4	+4	+5	+3	-4	-12	-13	-11	-9	-4	+1
Equinox	+3	+5	+6	+6	+10	+8	+8	+4	+6	0	+4	+3	+4	+10	+7	+3	-6	-16	-19	-20	-15	-9	-5	0
Summer	+14	+22	+18	+12	+8	+9	+8	+5	-6	-10	0	-2	-8	+4	+16	+12	+2	-13	-24	-26	-24	-18	-8	+2

DECLINATION (minutes) (Quiet Days)

Table 53 Meanook 1951

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-0.8	-0.1	+0.7	+1.3	+0.7	-0.4	-0.6	-0.9	-1.3	+0.1	+0.8	+1.0	+1.1	+1.1	+0.9	+1.8	+2.8	+2.2	+0.6	-1.2	-2.9	-2.9	-2.3	-1.8
February	-2.1	-1.5	-0.8	-0.4	-0.2	-1.0	-0.8	-0.1	+0.1	+1.1	+0.2	+0.8	+1.3	+1.4	+1.0	+1.8	+2.5	+2.6	+0.8	-0.3	-1.5	-2.0	-1.8	-1.3
March	-2.2	-1.9	-1.5	-1.4	-1.5	-0.3	+2.0	+3.3	+1.2	+0.6	+0.2	-0.1	+0.6	+2.0	+2.4	+4.0	+4.8	+3.5	+0.6	-1.3	-3.0	-3.8	-4.2	-4.0
April	-3.3	-2.7	-1.8	-1.6	-0.3	+0.3	-1.4	-1.1	-0.4	+1.3	+2.4	+1.3	+3.6	+6.3	+7.5	+7.6	+5.8	+4.3	-1.2	-3.8	-4.7	-5.5	-6.4	-6.4
May	-6.0	-5.1	-2.0	-2.0	-1.4	-1.5	-1.0	+0.1	-0.4	+0.3	-1.1	+2.4	+3.4	+7.4	+10.4	+11.8	+9.8	+5.6	+2.4	-2.0	-5.8	-7.6	-8.8	-8.9
June	-6.7	-3.9	-2.1	-2.3	-1.9	-1.6	-1.3	+0.6	-1.1	-2.3	+0.2	-0.1	+3.9	+6.1	+9.8	+12.1	+11.4	+8.1	+3.6	-1.1	-5.1	-7.3	-9.5	-9.6
July	-6.9	-5.0	-2.4	-3.1	-0.4	+2.9	+0.1	-0.5	-1.6	-0.5	-0.7	-0.8	+3.4	+5.9	+8.5	+9.8	+10.9	+8.9	+3.3	-0.4	-4.8	-7.8	-9.8	-8.5
August	-2.1	-2.1	+1.3	-2.0	-1.4	+1.6	+3.0	-0.5	-2.1	-2.2	-2.9	-0.6	+1.2	+5.4	+9.2	+6.9	+9.6	+6.9	+1.3	-3.8	-6.3	-7.9	-7.4	-6.0
September	-3.3	-1.8	-1.1	-3.0	+0.1	-1.8	-1.1	-0.4	-1.5	-0.1	+1.1	+3.3	+5.1	+7.0	+8.4	+8.4	+7.9	+4.1	-0.3	-4.2	-6.6	-7.7	-6.7	-5.7
October	-3.4	-3.0	-2.1	-1.1	-0.8	+0.1	-0.3	0.0	0.0	+1.1	+0.9	+1.1	+1.8	+2.0	+3.4	+4.8	+5.2	+3.8	-0.1	-1.5	-3.0	-3.3	-2.9	-2.4
November	-1.8	-1.0	0.0	+0.2	+0.2	-0.3	+0.1	-0.2	-0.4	0.0	-0.3	-0.1	+1.4	+1.6	+2.4	+2.2	+4.4	+3.1	+0.2	-1.2	-2.6	-3.2	-2.6	-2.7
December	-1.4	-1.0	-0.1	+0.3	+2.6	+1.0	+0.5	-0.2	-1.2	-2.5	+0.2	+1.4	+0.7	-0.2	+0.9	+2.3	+2.7	+2.5	+1.3	+0.4	-1.7	-2.7	-2.7	-2.1
Year	-3.3	-2.4	-1.0	-1.3	-0.4	-0.1	-0.1	0.0	-0.7	-0.3	+0.1	+0.8	+2.3	+3.8	+5.4	+6.1	+6.5	+4.6	+1.0	-1.7	-4.0	-5.1	-5.4	-5.0
Winter	-1.5	-0.9	0.0	+0.4	+0.8	-0.2	-0.2	-0.4	-0.7	-0.3	+0.2	+0.8	+1.1	+1.0	+1.3	+2.0	+3.1	+2.6	+0.7	-0.6	-2.2	-2.7	-2.4	-2.0
Equinox	-3.0	-2.4	-1.6	-1.8	-0.6	-0.4	-0.2	+0.4	-0.2	+0.7	+1.2	+1.4	+2.8	+4.3	+5.4	+6.2	+5.9	+3.9	-0.2	-2.7	-4.3	-5.1	-5.0	-4.6
Summer	-5.4	-4.0	-1.3	-2.4	-1.3	+0.4	+0.2	-0.1	-1.3	-1.2	-1.1	+0.2	+3.0	+6.2	+9.5	+10.2	+10.4	+7.4	+2.6	-1.8	-5.5	-7.6	-8.9	-8.2

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Meanook 1951

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	+4	+6	+8	+5	+4	+1	+1	-2	-8	-16	-5	-1	-1	0	+1	0	0	+1	+1	+1	+2	+1	+2
February	+8	+7	+8	+8	+8	+7	+6	+5	-1	-3	-15	-7	-7	-4	-4	-4	-4	-3	-3	-3	-2	0	0	0
March	+6	+8	+9	+8	+6	+10	+10	-4	-10	-6	-3	-12	-18	-5	-4	+1	-1	-1	-3	-1	-2	+3	+7	+6
April	+13	+16	+16	+8	+4	+3	+2	-4	-12	-32	-28	-7	-13	-8	-1	+2	+3	+5	-1	-1	0	+3	+7	+14
May	+21	+24	+29	+24	+25	+22	+12	+5	-9	-26	-27	-19	-19	-13	-9	-13	-16	-14	-15	-9	-3	+3	+9	+14
June	+22	+34	+33	+26	+19	+14	+11	+2	-8	-42	-36	-25	-27	-18	-12	-2	-1	-6	-9	-8	-2	+7	+10	+13
July	+33	+36	+28	+23	+26	+15	+4	-19	-56	-37	-27	-31	-20	-4	+3	+6	+3	-2	-7	-4	0	+6	+10	+22
August	+26	+27	+27	+18	+15	+22	-3	-9	-6	-22	-20	-1	-26	-24	-1	+3	-3	-7	-17	-11	-6	-1	+5	+14
September	+20	+21	+10	+11	+20	+15	0	-23	-13	-15	-17	-12	-5	+1	-1	-3	-4	-5	-4	-5	-2	0	+5	+7
October	+8	+8	+7	+5	+4	+6	+5	+3	+1	-2	-5	-7	-3	-3	-2	0	-4	-4	-4	-4	-1	0	+2	-3
November	+12	+11	+11	+13	+10	+3	+8	+4	-4	-12	-14	-10	-7	-5	0	-1	-3	-5	-5	-3	-2	+1	+2	+5
December	+7	+4	+5	+7	+9	+7	+4	0	-8	-14	-5	-5	-6	-7	-1	0	-2	-1	0	0	0	0	+3	+3
Year	+15	+16	+16	+13	+13	+10	+5	-3	-11	-18	-18	-12	-13	-8	-3	-1	-3	-4	-6	-4	-2	+2	+5	+8
Winter	+8	+6	+8	+9	+8	+5	+5	+2	-4	-9	-12	-7	-5	-4	-1	-1	-2	-2	-2	-1	-1	+1	+2	+2
Equinox	+12	+13	+10	+8	+8	+8	+4	-7	-8	-14	-13	-9	-10	-4	-2	0	-2	-1	-3	-3	-1	+2	+5	+6
Summer	+26	+30	+29	+23	+21	+18	+6	-6	-20	-32	-28	-19	-23	-15	-5	-2	-4	-7	-12	-8	-3	+4	+8	+16

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

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Meanook 1951

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	+42	+58	+60	+89	+91	+82	+49	-23	-57	-90	-129	-35	-72	-75	-17	-16	-7	-4	-1	0	+5	+4	+17	+28
February	+55	+98	+116	+98	+76	+90	+54	-80	-94	-103	-89	-107	-152	-118	-53	+7	+9	+11	+9	+10	+17	+29	+47	+69
March	+73	+52	+46	+66	+85	+86	+52	-6	+37	-3	-158	-232	-225	-134	-42	-6	-37	-41	-31	+9	+77	+93	+91	+147
April	+134	+148	+124	+127	+102	+93	+52	-91	-73	-125	-205	-274	-401	-181	+31	+26	-10	+14	+32	+43	+67	+97	+95	+173
May	+93	+55	+52	+49	+76	+75	-23	-58	-105	-195	-209	-185	-89	-29	-50	-16	-28	-37	-3	+27	+42	+115	+204	+246
June	+163	+143	+133	+103	+66	-16	-133	-125	-121	-113	-151	-115	-73	-14	-5	-3	+16	+11	-3	+6	+8	+36	+66	+116
July	+72	+82	+111	+142	+156	+52	-30	-54	-64	-66	-106	-164	-113	-159	-136	-69	-37	-19	+36	+37	+51	+76	+75	+128
August	+74	+152	+117	+130	+115	+90	-47	-77	-242	-111	-145	-134	-115	-86	-39	-5	-31	-22	+18	+38	+59	+55	+90	+119
September	+204	+133	+136	+102	-49	-20	-113	-21	-238	-253	-263	-195	-73	-94	-10	-20	-29	-9	+41	+143	+101	+159	+171	+206
October	+105	+142	+104	+113	+77	-16	-71	-80	-88	-105	-88	+34	-115	-70	-22	-136	-93	-73	-6	+60	+76	+59	+86	+105
November	+67	+83	+68	+80	+80	+63	+19	-39	-101	-216	-44	+7	-53	-97	-26	-18	-17	-11	-25	-5	+25	+54	+51	+54
December	+106	+117	+126	+127	+102	+90	+84	-63	-135	-190	-221	-278	-31	-127	-124	-24	-4	+23	+42	+73	+52	+98	+81	+83
Year	+99	+105	+99	+102	+81	+56	-9	-60	-107	-131	-150	-140	-126	-99	-41	-23	-22	-13	+9	+37	+48	+73	+90	+123
Winter	+68	+89	+92	+98	+87	+81	+52	-51	-97	-150	-121	-103	-77	-104	-55	-13	-5	+5	+6	+20	+25	+46	+49	+58
Equinox	+129	+118	+102	+102	+54	+36	-20	-50	-90	-121	-178	-168	-204	-120	-11	-34	-42	-28	+9	+64	+80	+102	+111	+158
Summer	+100	+108	+104	+106	+103	+50	-58	-78	-133	-121	-153	-150	-98	-72	-58	-23	-20	-17	+12	+27	+40	+70	+109	+152

DECLINATION (minutes) (Disturbed Days)

Table 56 Meanook 1951

January	-1.7	+3.4	-0.1	+2.5	+0.1	+2.1	+2.4	-0.7	-5.0	-1.6	+1.6	+7.8	+11.6	+7.9	-4.4	-3.5	+0.4	-2.9	-4.4	-3.3	-2.6	-3.7	-3.2	-2.6
February	-2.2	+2.3	+3.0	+1.2	+2.0	+5.5	+0.7	-7.4	-2.4	-1.4	-4.5	-2.9	-2.3	-3.3	+5.5	+5.0	+6.8	+3.2	+1.1	+0.4	0.0	-3.0	-4.6	-2.8
March	-5.9	-5.4	-6.6	-2.4	+6.5	-1.7	-2.4	-7.9	-2.0	+2.5	+4.4	+13.4	+20.5	+11.0	+8.5	+4.4	+2.2	-3.2	-6.0	-7.6	-3.6	-5.1	-6.4	-7.0
April	-6.2	-3.1	-4.6	-2.0	+1.4	-1.9	-4.9	-4.6	-4.2	+3.9	+2.1	+13.1	+17.3	+7.9	+8.0	+8.7	+6.4	+0.8	-3.8	-5.7	-5.1	-6.4	-8.8	-8.2
May	-8.5	-10.3	-8.4	-5.0	-5.0	+2.6	+0.7	-3.0	-1.1	-7.8	+2.0	+9.8	+13.4	+13.4	+14.5	+12.0	+8.2	+1.7	-0.4	+1.7	-7.4	-8.7	-8.3	-6.3
June	-3.1	-7.7	-7.6	-4.2	-9.3	-4.0	+5.8	+4.4	+2.6	-4.7	-0.1	+2.3	+7.6	+12.9	+13.9	+15.3	+10.2	+3.7	-1.6	-6.5	-10.2	-8.6	-7.4	-3.8
July	-4.9	-7.4	-7.3	-4.6	-0.5	+4.3	+10.1	+3.4	-2.1	-0.8	-0.8	-1.3	+9.4	+14.2	+6.6	+8.8	+7.6	+4.6	0.0	-5.6	-8.6	-8.0	-9.3	-7.0
August	-6.8	-3.8	-5.0	-6.4	+1.8	-1.5	-6.4	+1.4	+4.8	+8.1	-0.2	+2.4	+5.5	+13.7	+14.4	+12.6	+6.0	+0.4	-6.0	-8.7	-8.7	-8.3	-5.7	-4.0
September	-3.2	+4.9	-1.2	+1.6	+5.1	+4.9	-13.5	-4.9	-13.7	-10.7	+0.1	+9.9	+5.6	+8.2	+2.0	+4.5	+3.5	-0.9	-0.7	-2.5	-2.0	+3.4	-0.4	+0.6
October	-4.0	-5.9	-3.1	+3.8	-0.6	+1.5	-4.1	-10.8	-2.4	+10.0	+0.8	+0.8	+12.8	+7.5	+8.6	-0.5	+4.2	+3.8	+2.4	+2.4	-4.1	-8.4	-8.2	-6.8
November	-4.6	+0.8	+1.0	+3.3	+2.7	+3.7	-0.9	-2.8	+2.0	-5.2	-1.9	+2.8	+10.2	+0.2	+2.6	+5.4	+3.2	+0.4	-4.1	-3.5	-3.9	-3.3	-5.3	-4.7
December	-0.1	+0.3	-0.3	+5.1	+5.6	+2.2	+2.2	-7.7	-4.4	+1.9	+11.5	+13.6	+9.7	+3.2	+4.2	-1.2	-8.4	-10.0	-5.9	-7.3	-5.7	-4.4	-3.1	-1.3
Year	-4.3	-2.7	-3.4	-0.6	+0.8	+1.5	-0.9	-3.4	-2.3	-0.5	+1.2	+6.0	+10.1	+8.1	+7.0	+6.0	+4.2	+0.1	-2.4	-3.8	-5.1	-5.4	-5.9	-4.5
Winter	-2.2	+1.7	+0.9	+3.0	+2.6	+3.4	+1.1	-4.6	-2.4	-1.6	+1.7	+5.3	+7.3	+2.0	+2.0	+1.4	+0.5	-2.3	-3.3	-3.4	-3.0	-3.6	-4.0	-2.8
Equinox	-4.8	-2.4	-3.9	+0.2	+3.1	+0.7	-6.2	-7.0	-5.6	+1.4	+1.8	+9.3	+14.0	+8.6	+6.8	+4.3	+4.1	-0.1	-2.0	-3.4	-3.7	-4.1	-6.0	-5.4
Summer	-5.8	-7.3	-7.1	-5.0	-3.2	+0.4	+2.6	+1.6	+1.0	-1.3	+0.2	+3.3	+9.0	+13.6	+12.4	+12.2	+8.0	+2.6	-2.0	-4.8	-8.7	-8.4	-7.7	-5.3

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Meanook 1951

January	+34	+63	+52	+67	+46	+34	-65	-16	+31	-82	-62	-11	-33	-68	-48	-50	-45	-17	+11	+20	+8	+39	+47	+37
February	+46	+67	+53	+33	-11	+8	+7	-74	-46	-27	-51	-31	-57	-76	-47	-24	-7	+19	+19	+27	+38	+39	+39	+55
March	+58	+49	+49	+68	+56	+65	-11	-40	-2	-20	-98	-169	-121	-97	-71	-40	-41	-15	+19	+51	+74	+75	+80	+73
April	+62	+62	+63	+50	+7	-12	-19	-30	-68	-27	-13	-16	-84	-141	-59	-26	-31	+10	+11	+19	+47	+55	+60	+69
May	-12	+31	+29	+33	+14	-25	-84	-20	+8	+86	+6	-88	-25	-25	-27	-27	-39	-39	-1	+18	+54	+56	+42	+33
June	-13	+19	+13	-26	-2	-18	-73	-40	+26	+40	+8	-51	-68	-41	-16	+1	+14	+21	+18	+19	+24	+45	+66	+46
July	+49	+65	+85	+78	+47	-72	-131	-82	+23	+4	+5	-32	-43	-88	-83	-34	-8	+4	+7	+17	+28	+35	+37	+85
August	+43	+87	+83	+85	+4	-9	-35	-64	-64	-13	-50	-89	-48	+15	-3	-6	-27	-19	-13	-1	+16	+24	+35	+50
September	+76	+92	+65	+44	-71	-221	-72	-109	-138	-211	-28	+77	-31	+25	+6	+8	+89	+112	+53	+95	+69	+77	+7	-2
October	+70	+47	+23	+6	-31	-67	-25	-117	-31	-2	0	-23	-73	-56	-50	-62	+1	+12	+56	+49	+72	+66	+61	+76
November	+59	+68	+59	+42	+51	+11	+18	-5	-84	-154	-61	-34	-74	-117	-58	-18	-13	+3	+13	+35	+50	+65	+65	+68
December	+36	+49	+62	+66	+50	+16	-2	+2	-45	-87	-54	-57	-92	-157	-69	-54	-29	-2	+56	+52	+60	+74	+63	+55
Year	+34	+58	+53	+45	+13	-24	-41	-50	-32	-41	-33	-44	-62	-69	-44	-28	-11	+8	+21	+33	+45	+54	+50	+54
Winter	+44	+62	+56	+52	+34	+17	-10	-23	-36	-88	-57	-33	-64	-104	-56	-36	-24	+1	+25	+34	+39	+54	+54	+54
Equinox	+66	+62	+50	+42	-10	-58	-32	-74	-60	-65	-35	-33	-77	-67	-44	-30	+4	+30	+35	+54	+66	+68	+52	+54
Summer	+17	+50	+52	+42	+16	-31	-81	-52	-2	+29	-8	-65	-46	-35	-32	-16	-15	-8	+3	+13	+30	+40	+45	+54

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Meanook $H = 12,000\ \gamma +$ January 1952

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	878	889	858	864	877	867	854	561	746	829	742	707	818	871	858	852	863	851	827	821	825	827	839	844	824
2	855	861	864	865	856	864	867	857	856	851	854	857	852	852	851	857	855	845	837	828	831	835	843	849	852
3	858	858	859	858	853	860	865	864	861	858	856	859	844	848	861	867	867	858	858	845	839	840	856	848	856
4	857	859	848	848	850	849	845	856	854	844	852	852	836	785	781	828	858	858	854	854	850	851	845	867	845
5 D	869	857	880	847	842	881	718	616	452	452	598	659	592	542	834	885	862	833	856	830	831	844	833	872	762
6	865	874	866	864	849	807	828	682	755	714	752	845	851	849	833	835	809	828	833	841	842	837	854	853	824
7	859	859	858	867	861	873	848	847	845	846	847	843	741	653	733	837	852	859	822	828	830	837	854	856	831
8	858	858	860	849	858	862	858	854	840	780	799	772	781	853	869	873	869	854	845	839	839	842	848	858	842
9	863	864	863	863	859	846	858	859	853	858	855	865	869	868	865	865	857	869	867	851	858	861	854	858	860
10	874	880	883	884	960	946	919	837	917	868	843	822	798	824	794	839	804	747	839	858	846	827	846	862	856
11	905	900	868	879	906	878	821	838	866	836	838	843	740	743	878	862	851	791	841	846	832	846	859	856	847
12	853	885	905	941	875	886	881	809	785	847	712	742	847	831	754	746	839	834	818	818	813	835	873	906	835
13 D	865	902	875	875	880	893	868	857	781	700	803	524	754	769	485	766	843	854	830	843	735	864	869	908	806
14 D	875	893	908	930	906	868	841	676	813	806	597	643	630	629	744	795	767	801	855	845	820	868	857	841	800
15	874	876	881	874	883	886	876	711	795	846	821	789	821	672	422	625	722	831	826	821	832	836	851	846	801
16	855	860	871	874	870	874	851	859	852	846	802	817	850	828	828	851	854	846	840	832	828	841	840	838	846
17	852	863	867	865	867	854	855	852	851	855	855	859	858	859	856	852	855	853	842	830	824	829	851	845	852
18 Q	854	857	860	861	866	865	864	861	856	850	857	860	857	858	857	856	850	848	848	842	837	839	845	851	854
19 Q	856	859	857	860	862	860	860	860	860	857	859	859	857	852	873	874	872	863	852	849	838	831	841	853	857
20 Q	860	860	861	858	860	861	861	856	857	857	853	857	862	859	859	863	858	850	845	843	846	854	849	857	856
21 Q	860	860	851	864	865	869	872	869	865	853	866	865	865	867	864	853	865	865	855	845	848	845	849	864	860
22	863	861	863	866	879	870	874	868	861	860	856	846	828	859	865	861	864	867	860	863	863	839	867	862	861
23	870	866	858	856	861	864	861	851	842	813	801	740	818	858	711	817	879	793	822	838	839	834	854	861	834
24	893	879	861	845	842	845	837	850	846	852	849	858	852	832	797	817	799	846	857	849	842	847	848	851	846
25	856	863	874	860	860	859	855	851	849	847	852	800	795	825	845	873	870	859	848	852	849	851	856	863	851
26 Q	863	866	867	863	863	860	856	860	862	856	853	828	839	879	873	879	879	873	868	863	863	870	878	881	864
27 D	886	884	875	873	884	882	913	874	839	700	790	785	463	493	516	727	813	830	854	859	860	856	849	849	798
28	861	883	878	917	978	914	885	853	796	741	797	833	839	801	807	833	840	851	857	861	853	846	843	867	851
29 D	858	863	867	864	870	869	877	867	846	685	539	635	657	745	765	783	712	680	752	799	824	838	870	875	789
30	841	872	902	944	986	960	979	911	754	843	835	820	799	833	869	867	857	850	845	849	857	858	854	858	868
31	859	864	863	866	867	867	866	866	864	866	857	859	864	825	837	861	858	868	857	852	843	843	848	858	857
Mean	864	870	869	872	877	872	862	823	823	810	803	798	796	796	793	832	840	837	842	842	837	844	852	860	838

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook $D = 24^\circ\ E + \ldots'$ January 1952

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	47.8	44.3	43.8	45.1	52.5	43.6	48.1	28.4	47.1	52.1	49.6	64.4	42.0	43.2	45.1	45.6	44.2	45.3	44.1	42.3	40.2	39.2	41.2	42.1	45.0
2	45.6	44.3	43.2	43.7	44.1	43.7	42.0	43.4	43.2	43.6	47.6	44.1	44.1	43.8	44.3	46.6	47.1	47.5	44.1	41.7	39.2	38.4	40.2	41.2	46.6
3	42.0	42.1	44.1	44.1	44.3	51.6	43.5	43.5	42.6	42.8	45.3	44.0	42.3	43.3	43.4	47.6	47.8	46.2	45.6	41.8	42.7	40.1	39.1	38.8	43.7
4	35.7	43.2	45.5	46.1	45.1	43.9	43.7	43.0	41.4	39.7	43.2	44.1	42.2	40.5	32.6	43.2	48.5	45.7	45.1	39.1	38.3	36.1	38.2	41.1	41.9
5 D	40.8	43.9	40.1	38.4	54.1	57.0	76.2	52.1	54.0	61.9	66.9	77.8	59.0	34.5	47.7	47.6	44.2	40.7	39.2	38.7	40.1	41.2	41.7	39.7	49.1
6	42.1	43.6	49.1	52.1	52.5	58.8	49.3	43.2	40.4	41.2	41.7	47.3	46.1	42.7	42.3	43.1	41.7	34.3	35.9	42.6	43.1	41.2	40.8	40.3	44.0
7	40.8	41.2	43.5	52.8	48.1	51.1	44.9	43.3	42.7	42.3	42.3	42.2	34.5	31.9	28.8	39.6	44.6	42.2	35.9	39.3	39.4	41.2	43.1	43.4	41.6
8	39.2	42.6	45.6	46.5	45.3	49.3	59.0	46.1	44.1	43.2	47.3	49.7	39.2	39.2	44.2	44.2	43.3	43.1	41.2	42.3	42.4	41.7	42.3	42.3	44.3
9	42.1	42.4	43.7	44.9	44.2	46.0	44.7	45.6	46.0	45.5	44.1	45.2	43.2	43.3	46.0	48.3	48.1	47.6	45.6	41.2	36.7	36.0	35.1	39.2	43.5
10	42.1	43.9	43.2	43.5	61.2	36.3	41.2	37.7	60.9	38.4	44.7	49.6	45.1	43.2	42.2	49.0	47.1	28.3	36.2	41.8	40.7	40.8	41.2	37.2	43.2
11	43.9	43.2	41.7	41.6	44.9	38.8	32.3	46.2	45.2	46.7	50.1	46.1	41.8	61.0	48.5	52.6	51.2	42.7	33.4	37.8	39.7	39.6	39.7	38.2	43.6
12	38.9	42.6	40.7	60.0	47.1	41.6	46.6	48.6	42.2	44.5	51.7	44.6	46.1	53.5	49.6	45.1	46.7	48.1	39.2	37.8	36.7	40.3	37.7	44.6	44.8
13 D	42.7	46.5	43.2	44.6	52.1	55.5	43.7	47.2	49.1	33.7	50.0	63.4	43.2	55.4	54.5	44.1	50.1	47.6	38.2	40.0	43.2	43.6	37.8	43.8	46.4
14 D	40.1	43.0	46.0	48.9	61.5	45.5	47.4	36.7	38.7	43.2	38.7	45.1	44.9	49.6	48.5	43.8	35.2	44.1	41.1	40.7	43.6	44.1	39.2	39.7	43.7
15	39.2	42.8	45.1	59.0	47.9	48.1	50.1	30.9	42.2	45.9	45.8	39.3	40.3	53.0	-7.7	22.2	48.5	51.7	43.2	39.7	39.1	41.2	41.6	41.2	41.3
16	40.5	41.2	42.2	42.2	46.1	43.1	45.2	44.7	45.1	40.8	40.2	39.2	45.7	41.4	44.7	48.7	48.7	47.2	44.1	44.1	41.2	39.2	38.3	35.2	42.9
17	39.2	41.2	42.8	48.1	52.1	44.2	44.7	44.3	42.3	43.6	42.3	41.7	41.8	42.4	44.7	46.6	48.0	49.1	49.6	46.1	41.2	38.7	38.2	39.2	43.8
18 Q	40.2	40.4	41.2	43.9	45.1	43.5	43.2	42.5	42.7	43.2	44.1	43.6	43.6	44.1	44.1	46.5	49.1	48.6	46.1	45.3	43.2	41.4	40.2	40.2	43.6
19 Q	42.1	43.2	43.6	43.3	43.2	43.2	43.3	43.2	43.2	42.3	43.2	45.1	45.3	43.4	43.2	46.9	47.4	46.1	45.6	43.7	41.2	40.2	40.2	40.7	43.4
20 Q	41.7	42.1	42.7	44.1	43.6	43.4	44.5	47.1	43.0	43.2	41.8	43.2	43.8	44.2	43.6	44.1	46.7	45.0	43.0	40.8	39.7	38.2	38.2	38.4	42.8
21 Q	38.4	40.7	42.6	42.8	43.7	44.0	43.9	44.6	42.8	43.7	47.3	47.3	45.5	44.6	46.5	44.0	47.2	48.7	45.6	43.6	41.8	38.7	38.8	37.6	43.5
22	36.2	35.9	38.8	39.7	38.9	43.5	43.5	44.1	41.6	45.7	48.0	49.6	44.6	45.2	45.7	45.1	43.9	45.6	43.3	39.8	38.7	35.8	35.8	37.7	42.0
23	40.8	41.7	42.2	43.2	43.4	43.6	43.6	43.4	59.5	54.0	56.5	42.1	49.7	45.9	33.5	45.1	43.2	36.2	35.8	31.9	36.2	35.7	36.7	36.8	42.5
24	41.7	44.1	43.4	44.2	47.1	47.6	47.6	45.2	45.6	42.6	43.6	42.8	42.4	39.4	31.3	33.3	29.8	44.1	47.1	44.2	43.2	41.1	40.2	41.2	42.2
25	42.8	44.1	49.6	41.7	42.8	42.7	43.1	45.1	46.3	42.4	41.6	39.2	43.2	41.8	41.7	46.1	47.7	44.7	40.9	41.1	42.3	41.2	40.2	41.1	43.1
26 Q	41.9	42.3	42.5	42.8	42.7	42.6	43.2	45.9	45.1	42.8	44.1	40.7	41.7	43.7	43.5	44.5	44.7	44.0	42.4	42.0	40.8	39.6	39.8	40.2	42.6
27 D	41.3	42.2	42.4	41.6	44.6	44.5	41.7	44.3	40.1	45.3	51.6	52.3	61.9	61.0	60.0	54.1	62.1	42.2	40.8	41.9	39.7	38.7	39.8	39.3	46.0
28	39.0	40.2	43.3	37.1	56.0	52.1	43.1	44.6	44.8	42.7	54.5	52.5	48.3	48.3	45.8	45.7	46.7	46.0	43.3	42.7	42.3	40.7	41.2	41.4	45.1
29 D	40.2	41.1	41.6	43.2	43.6	43.2	46.1	56.3	50.3	51.7	61.0	64.4	63.0	60.0	48.1	38.8	40.2	34.3	36.7	36.7	34.3	25.8	36.2	34.3	44.6
30	38.6	39.2	35.9	44.1	40.3	41.6	37.2	38.8	37.2	45.2	45.1	47.0	44.1	44.1	45.9	47.3	47.1	45.3	43.2	42.7	41.3	40.2	41.2	41.7	42.3
31	42.1	43.6	44.4	43.3	42.2	43.2	43.2	45.1	44.2	44.3	45.1	46.1	44.0	45.2	48.2	41.7	46.0	43.9	42.7	40.7	39.3	39.8	40.1	38.7	43.2
Mean	41.0	42.4	43.2	45.0	47.1	45.7	45.5	43.7	45.0	44.5	47.1	47.9	45.2	45.6	42.6	44.6	45.7	44.1	41.9	41.1	40.4	39.4	39.5	39.9	43.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Meanook $Z = 58,000\ \gamma +$ January 1952

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	962	928	911	910	884	877	886	631	793	820	776	746	832	874	876	880	893	882	875	893	891	886	893	895	862
2	900	900	897	887	891	887	876	882	881	880	875	876	875	871	877	875	871	875	875	876	876	876	880	880	881
3	884	881	882	889	889	889	879	881	881	875	870	868	843	837	865	876	875	876	871	871	871	875	886	887	875
4	914	932	909	896	871	872	877	858	862	857	864	860	844	789	764	809	815	842	865	866	875	880	886	886	862
5 D	891	886	918	842	891	812	681	702	670	576	699	614	681	699	788	854	853	868	873	871	876	886	910	910	802
6	902	939	919	921	892	832	889	775	753	642	737	826	833	860	843	842	841	891	877	882	882	876	883	887	851
7	882	883	894	893	889	832	865	875	872	871	866	864	742	634	709	788	832	875	866	874	877	893	893	882	848
8	887	881	895	922	928	900	876	854	853	764	787	786	820	858	871	871	866	865	865	865	871	876	880	879	863
9	876	875	875	876	876	891	893	861	820	865	865	865	870	875	870	865	860	848	843	854	861	870	876	868	867
10	876	881	886	915	916	967	960	910	836	881	887	854	833	862	839	842	819	809	835	865	887	893	914	930	879
11	960	942	900	938	865	904	818	865	897	880	861	872	755	708	874	883	852	841	902	899	882	889	905	893	879
12	921	938	947	973	931	939	887	782	809	883	768	844	833	808	793	827	870	900	872	904	905	926	931	975	882
13 D	910	971	921	910	921	855	899	893	860	770	827	642	820	775	754	775	832	876	881	887	909	953	930	955	864
14 D	943	949	933	967	943	909	871	670	832	876	709	755	843	864	842	860	815	865	889	893	911	980	953	915	874
15	919	921	915	915	938	938	910	760	814	865	841	820	865	709	683	680	764	865	876	875	889	898	899	894	852
16	889	900	906	910	904	899	887	886	887	887	851	832	876	871	864	876	894	887	887	891	893	897	899	902	886
17	902	900	900	922	911	897	887	876	875	871	877	886	887	886	882	886	887	887	887	887	894	891	893	887	890
18 Q	891	894	894	893	893	893	889	883	882	881	882	882	882	877	876	877	876	876	880	880	881	883	882	882	884
19 Q	883	883	883	883	883	885	882	881	881	873	876	876	871	862	874	874	870	870	871	876	875	880	879	881	877
20 Q	882	882	882	884	885	890	894	886	883	881	872	864	871	871	871	876	871	870	868	875	871	876	884	893	878
21 Q	893	894	894	899	897	891	899	893	865	875	882	875	876	876	868	864	865	865	871	875	873	876	877	886	880
22	890	899	901	909	932	932	915	899	899	889	882	872	837	842	860	865	871	871	871	868	865	865	871	873	882
23	893	899	893	889	882	882	881	855	820	788	787	754	771	819	722	766	831	819	831	855	887	887	895	921	843
24	932	904	887	891	887	882	866	832	857	866	866	871	865	854	787	832	842	854	877	882	884	882	889	892	870
25	899	910	920	889	876	876	875	843	841	848	850	786	730	732	759	850	865	864	871	877	880	877	882	884	854
26 Q	881	881	876	876	875	875	876	875	873	866	861	842	813	860	861	865	865	865	862	868	871	872	871	871	867
27 D	867	867	871	876	921	921	924	893	802	876	837	838	676	687	699	709	852	848	875	893	889	893	892	897	846
28	899	909	899	921	954	952	932	872	807	768	810	854	864	844	855	881	864	883	875	876	876	881	891	896	878
29 D	884	882	883	880	886	891	916	893	844	741	654	795	773	759	820	835	739	777	857	922	920	918	880	913	844
30	897	909	965	977	955	954	935	896	846	896	885	873	850	862	882	881	873	873	871	876	882	880	882	882	895
31	876	877	881	877	876	876	886	887	876	865	857	853	860	799	826	861	846	855	875	875	875	873	871	876	866
Mean	900	903	901	904	905	894	884	847	844	837	831	827	826	817	824	843	851	863	871	879	883	890	892	896	867

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook — January 1952

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	24	934	07	28	415	519	04	27	75.9	07	45	09.6	66.3	00	27	992	07	19	458	534
2	06	05	890	19	02	824	66	06	04	51.5	06	37	36.4	15.1	00	50	914	16	12	861	53
3	05	34	879	20	54	812	67	05	26	58.6	23	51	37.2	21.4	05	17	907	13	35	828	79
4	16	34	890	13	54	744	146	16	26	52.5	14	28	29.4	23.1	01	21	942	13	55	749	193
5 D	05	13	993	08	23	-368	1361	11	54	108.9	08	59	20.0	88.9	08	47	1036	08	48	599	437
6	01	06	926	07	38	567	359	05	29	69.5	17	38	23.3	46.2	01	59	987	09	46	570	417
7	05	26	922	13	17	593	329	03	26	68.0	13	14	15.8	52.2	03	26	941	13	27	569	372
8	06	34	890	11	59	724	166	06	11	66.9	13	04	34.3	32.6	03	37	952	09	38	690	262
9	08	08	904	08	34	813	91	15	49	52.2	22	09	32.1	20.1	05	53	933	08	24	769	164
10	04	56	1061	07	36	668	393	08	15	97.0	07	29	18.8	78.2	06	06	1009	08	27	737	272
11	01	00	980	12	53	583	397	13	15	70.1	06	52	-19.5	89.6	00	58	1018	12	53	591	427
12	03	16	1055	11	07	561	494	03	46	81.1	08	15	25.5	55.6	23	30	1031	07	17	670	361
13 D	01	55	981	11	27	030	951	11	31	110.2	09	17	13.9	96.3	01	47	1074	11	07	530	544
14 D	03	55	986	10	33	475	511	04	06	98.2	07	18	16.1	82.1	03	56	1095	07	23	515	580
15	00	10	935	13	55	-274	1209	13	52	88.9	14	33	-44.1	133.0	02	56	983	13	49	482	501
16	04	56	895	11	54	746	149	04	50	52.2	23	32	32.6	19.6	01	48	924	10	59	783	141
17	01	06	887	20	30	813	74	04	04	63.8	22	28	35.9	27.9	03	37	939	08	37	844	95
18 Q	04	31	872	18	11	837	35	16	48	51.2	01	47	38.3	12.9	01	37	902	10	04	871	31
19 Q	14	32	876	21	55	820	56	16	53	51.0	22	01	38.8	12.2	05	40	897	13	40	854	43
20 Q	00	30	873	17	59	842	31	07	36	51.6	23	37	36.9	14.7	06	59	903	11	08	851	52
21 Q	16	00	932	15	59	793	139	16	07	58.4	15	58	32.5	25.9	06	47	909	08	20	847	62
22	04	36	902	12	47	810	92	11	41	52.2	04	46	29.9	22.3	05	04	962	12	48	807	155
23	08	16	956	14	32	519	437	08	30	70.4	14	39	13.7	56.7	23	50	947	14	33	587	360
24	00	48	930	14	46	757	173	06	47	53.7	14	56	23.2	30.5	00	42	965	14	22	758	207
25	15	18	888	12	08	698	190	02	09	58.1	11	37	33.7	24.4	01	56	950	12	09	632	318
26 Q	12	57	894	12	13	800	94	17	28	48.7	11	57	30.0	18.7	07	36	887	12	11	777	110
27 D	08	06	968	12	18	221	747	14	11	109.8	14	28	13.9	95.9	04	46	981	14	07	377	604
28	04	42	1109	09	07	644	465	04	55	80.0	03	49	31.1	48.9	04	40	1015	09	01	697	318
29 D	08	06	924	10	14	365	559	10	53	85.8	21	24	17.3	68.5	19	02	968	10	07	532	436
30	07	53	1137	08	16	690	447	07	57	79.0	08	06	-19.4	98.4	06	57	1011	07	57	579	432
31	15	02	907	14	29	793	114	13	51	56.1	22	04	36.1	20.0	07	29	894	13	47	750	144
Mean			941			591	350			70.0			21.7	48.3			964			683	281
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 1952

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	864	867	861	872	867	867	875	883	728	731	879	091	740	925	842	859	838	877	841	798	808	863	852	858	812
2	860	868	867	876	877	874	870	857	817	828	840	854	869	852	852	839	851	858	861	853	847	845	851	851	855
3 Q	861	865	867	862	857	871	867	860	856	837	846	862	864	865	869	873	869	869	865	861	855	855	855	864	861
4 Q	867	866	870	869	863	867	870	873	869	869	868	869	853	869	880	883	879	876	865	864	859	863	865	869	869
5 Q	872	873	872	872	867	870	870	872	872	869	865	864	875	875	883	886	882	875	863	862	859	860	865	878	871
6 D	884	887	882	876	879	865	1011	965	904	866	812	660	664	842	873	847	737	788	906	787	847	906	928	879	858
7	888	877	908	911	935	907	876	904	835	705	396	489	827	827	833	859	826	837	804	845	872	826	866	890	823
8 D	918	928	888	911	967	916	881	887	1014	794	819	826	858	864	773	748	824	865	840	809	856	828	857	865	864
9	872	872	870	872	872	864	858	854	821	663	748	805	833	828	799	698	812	858	851	828	834	854	872	848	829
10	875	874	872	874	874	887	844	882	858	775	657	833	841	804	854	788	734	852	833	836	820	948	1046	1092	856
11	999	993	933	927	866	866	876	846	857	780	769	657	788	869	862	858	846	826	796	862	822	796	866	856	851
12	867	854	876	873	862	883	894	878	862	839	742	542	628	695	812	804	768	825	847	818	837	858	865	877	817
13	907	872	865	874	876	864	861	853	846	830	799	776	705	785	790	756	816	840	829	836	835	827	859	856	832
14	874	871	870	866	865	870	856	855	828	652	830	853	858	844	855	834	847	816	841	836	840	844	851	857	842
15	855	862	871	862	873	871	894	874	851	829	851	862	862	781	862	859	854	851	840	844	839	841	847	844	853
16 D	849	848	861	883	923	1040	749	510	563	354	497	646	650	854	794	876	817	851	850	851	865	809	881	870	779
17	866	892	858	849	843	850	849	851	851	851	854	830	780	862	878	877	871	858	836	834	836	851	851	860	852
18	867	844	850	858	855	854	856	865	864	856	804	782	810	876	867	872	858	860	844	820	825	817	842	868	846
19	872	875	985	892	865	895	876	795	670	779	830	717	712	812	862	869	866	828	803	807	833	906	866	865	837
20	869	856	873	869	878	869	851	819	702	638	744	805	784	792	815	851	850	838	840	845	846	849	853	852	824
21 Q	855	862	862	857	867	866	869	865	861	865	866	865	865	838	873	851	865	859	861	857	854	854	857	856	860
22 Q	861	862	865	865	857	858	862	864	861	851	853	865	865	866	872	869	862	854	859	853	851	852	858	859	860
23	853	853	852	856	859	852	860	863	865	861	861	865	861	873	875	872	866	863	857	858	862	872	886	887	864
24 D	896	1273	1029	884	966	893	874	820	733	452	429	505	288	522	760	812	743	706	788	865	826	851	862	883	778
25	934	881	859	862	865	858	862	857	851	802	831	844	748	619	838	865	852	847	845	842	852	865	869	865	842
26	866	842	848	854	854	861	923	928	892	750	851	867	872	861	859	844	806	784	829	844	866	882	893	855	855
27 D	836	871	897	968	929	981	874	901	995	847	828	724	809	853	837	833	828	857	857	844	854	849	854	884	867
28	878	890	887	943	1072	588	702	746	347	722	844	749	807	793	759	831	747	828	863	812	805	805	813	807	793
29	872	872	867	864	889	917	865	876	871	762	763	649	723	763	837	830	840	841	836	843	848	868	862	862	834
30																									
31																									
Mean	877	888	882	879	887	877	865	852	819	767	778	743	781	818	840	843	829	841	843	838	843	853	869	871	841

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook D = 24° E + . . .' February 1952

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	37.8	40.2	42.2	42.1	43.1	42.3	43.1	52.5	45.7	44.6	54.8	57.8	31.3	45.3	39.8	35.3	38.8	39.8	41.2	33.9	33.5	40.8	40.2	41.2	42.0
2	41.8	40.8	42.9	46.2	47.1	40.9	47.2	46.2	34.9	44.8	43.6	49.6	46.1	44.8	44.1	42.7	40.7	40.7	44.7	43.7	42.8	42.8	41.3	41.2	43.4
3 Q	41.7	42.2	43.0	44.0	47.3	49.5	43.2	43.9	43.2	41.2	43.6	44.9	43.8	41.8	43.0	45.2	47.5	46.2	47.3	43.9	42.2	40.9	40.4	40.3	43.8
4 Q	40.2	41.6	42.2	42.6	46.5	46.0	42.2	41.7	41.7	41.4	41.8	42.7	40.6	42.5	44.1	45.6	46.1	46.2	44.9	42.2	42.4	41.2	40.7	41.7	42.9
5 Q	41.6	42.2	43.1	43.1	44.3	43.4	42.9	42.7	43.2	43.0	42.2	42.1	44.9	43.8	45.9	46.7	48.6	47.9	45.9	44.3	42.2	39.9	40.0	41.0	43.5
6 D	40.8	41.3	42.2	42.1	41.2	38.3	49.5	42.8	42.2	42.0	50.3	60.1	44.7	54.8	52.8	55.1	42.5	45.7	49.2	45.1	37.7	44.6	36.2	39.8	45.2
7	38.3	36.2	43.2	55.0	47.1	46.0	42.2	43.9	50.8	56.0	49.9	31.7	42.0	47.1	48.9	49.2	49.7	48.0	46.1	45.6	44.1	40.2	39.2	39.7	45.0
8 D	39.8	46.8	37.2	40.3	41.0	53.9	47.0	44.7	33.8	55.0	50.3	45.3	40.3	41.4	46.1	44.0	43.2	46.2	48.7	50.4	46.6	40.8	40.0	40.8	44.3
9	45.3	40.0	41.0	58.6	56.5	40.2	42.6	43.7	38.3	32.9	40.4	46.8	50.3	43.2	47.9	45.9	39.6	44.2	43.2	45.1	42.1	39.8	39.0	42.2	43.7
10	44.2	42.8	40.4	43.7	42.9	46.1	36.6	43.2	45.3	53.8	40.2	49.3	49.8	46.0	47.3	50.1	42.1	41.4	44.1	52.0	37.2	41.0	41.2	43.2	44.3
11	41.2	42.2	43.2	44.3	45.7	41.7	45.1	50.0	43.2	45.1	44.3	34.3	46.2	44.1	44.4	48.6	48.7	46.3	41.9	45.9	41.3	38.6	37.4	36.6	43.4
12	48.0	42.2	39.0	54.6	58.6	46.7	34.5	43.7	40.3	40.4	38.4	46.6	43.4	56.4	46.6	48.0	43.7	41.6	40.0	39.7	41.2	39.2	43.7	38.2	44.0
13	42.0	42.6	42.3	41.3	57.3	47.6	40.9	42.0	42.8	38.6	43.8	44.7	49.2	48.6	48.7	45.7	40.2	46.1	41.7	41.9	40.4	42.2	41.2	39.5	43.8
14	40.2	44.1	44.1	43.1	43.0	45.0	40.2	44.1	38.7	42.6	40.1	46.2	46.2	47.1	44.9	48.3	48.5	45.5	41.6	42.8	40.2	39.5	39.4	42.1	43.2
15	41.6	42.7	45.3	44.5	41.9	41.8	59.0	45.4	45.1	33.8	45.0	46.0	44.5	43.7	44.3	48.1	46.6	47.7	45.3	42.9	41.8	41.0	39.9	40.1	44.1
16 D	41.8	42.0	43.0	42.1	40.0	55.0	40.7	47.1	53.7	80.2	82.2	67.4	59.0	58.0	46.0	44.9	47.0	40.4	37.7	37.8	42.4	35.7	40.3	41.7	48.6
17	42.7	52.5	45.3	43.6	43.4	42.8	43.0	42.7	42.6	42.4	42.9	43.6	42.2	51.2	49.7	49.9	46.6	43.0	42.3	38.4	39.0	39.8	41.6	40.7	43.8
18	40.2	40.2	42.8	43.3	42.1	42.0	43.4	49.3	44.6	42.0	41.8	43.2	49.1	48.1	48.0	47.7	46.3	44.1	43.1	38.3	39.7	32.0	37.7	38.0	42.8
19	37.8	39.4	35.2	46.1	43.2	55.5	58.2	48.9	40.2	50.6	47.5	47.7	46.2	45.0	50.7	48.0	47.6	42.6	38.3	30.9	36.7	43.9	44.1	39.0	44.3
20	43.8	41.7	41.9	44.6	41.7	55.0	44.1	43.6	38.4	45.1	38.7	45.9	46.6	39.7	38.6	42.3	42.2	41.0	39.8	39.7	41.2	42.8	43.2	43.3	42.7
21 Q	42.7	42.2	43.1	47.7	42.6	41.7	41.7	41.3	41.7	42.1	42.7	42.2	41.8	36.2	42.6	45.7	46.1	41.8	41.7	40.4	40.2	41.0	42.2	42.2	42.2
22 Q	41.6	41.6	41.8	42.3	42.6	41.8	42.8	41.8	42.7	39.2	39.4	43.6	44.8	44.2	44.6	44.6	43.7	42.2	40.3	40.2	38.6	38.7	40.3	39.6	41.8
23	41.6	41.8	41.7	42.1	42.8	46.6	46.1	42.4	41.7	41.9	42.7	43.2	41.6	46.5	46.7	46.6	46.0	44.3	42.5	41.6	40.2	41.1	38.8	37.6	42.8
24 D	39.8	47.6	46.9	30.9	28.4	33.4	42.6	43.7	45.1	42.1	72.3	66.0	70.4	50.1	54.5	44.1	36.7	29.8	42.2	35.8	38.8	51.6	39.6	38.3	44.6
25	42.7	40.2	39.2	43.6	43.1	44.6	41.6	42.6	42.7	42.2	50.1	51.6	60.5	51.6	55.4	49.6	47.1	45.1	43.2	38.2	36.7	39.3	40.7	41.2	44.7
26	40.0	40.0	42.2	40.2	39.6	39.2	41.2	58.5	45.7	32.3	48.9	48.9	51.6	51.7	52.1	47.1	45.2	38.6	29.7	29.3	38.2	39.1	38.4	39.6	42.4
27 D	40.2	41.7	42.7	44.1	41.7	59.2	60.1	41.7	56.5	38.7	49.1	42.2	44.8	49.3	47.7	47.6	41.1	41.7	35.3	39.2	40.9	41.2	41.1	41.2	44.5
28	37.4	38.2	56.5	48.5	56.0	35.3	46.6	52.1	40.0	43.6	49.1	46.1	39.8	52.1	52.5	43.8	34.3	38.3	33.9	39.0	40.3	43.0	44.1	44.2	44.0
29	44.6	44.1	43.7	45.4	44.1	59.6	51.9	41.6	39.0	40.3	57.0	43.3	55.1	40.4	37.0	44.0	47.0	50.6	34.3	34.9	35.6	38.0	39.4	39.2	43.8
30																									
31																									
Mean	41.4	42.1	42.7	44.5	44.6	45.6	44.8	45.1	42.9	44.1	47.4	47.0	46.8	46.7	46.7	46.4	44.4	43.3	41.7	40.8	40.1	40.7	40.4	40.5	43.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Meanook Z = 58,000 γ + February 1952

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		877	887	889	887	880	876	887	841	631	679	659	653	853	871	802	843	852	882	875	877	877	894	877	876	834
2		882	895	912	915	895	829	880	868	787	815	793	825	860	844	843	842	865	861	861	865	871	881	885	883	861
3	Q	876	876	875	876	883	867	872	871	853	800	818	855	865	868	872	871	871	873	871	871	871	877	876	876	866
4	Q	871	868	867	873	881	876	875	866	865	866	865	864	843	844	860	865	866	865	861	866	866	866	866	866	865
5	Q	866	866	864	865	872	866	862	860	860	858	855	842	847	844	860	865	865	864	865	865	864	864	864	864	861
6	D	862	862	861	865	876	929	877	887	899	865	828	748	751	826	855	837	749	858	877	877	904	926	955	921	862
7		899	909	951	933	982	949	904	659	804	798	720	707	819	842	865	876	867	853	855	909	912	886	928	915	864
8	D	942	967	931	958	910	897	922	871	737	826	810	843	876	875	814	860	871	866	853	891	940	904	904	902	882
9		906	889	887	930	912	897	886	865	838	715	710	732	804	841	809	809	858	854	886	890	891	891	906	894	854
10		905	882	887	900	886	886	836	837	854	786	775	820	826	819	863	808	757	809	860	938	944	964	960	972	866
11		911	909	944	924	910	904	899	860	858	838	787	641	748	847	860	868	867	867	854	915	899	899	918	954	870
12		950	900	899	899	887	922	904	887	881	876	788	674	776	786	844	856	847	854	848	863	907	932	928	916	868
13		965	897	886	892	893	886	892	871	831	815	798	824	777	831	802	843	842	855	844	854	868	894	930	910	863
14		914	916	887	886	892	886	860	875	842	672	810	848	865	850	871	839	857	851	865	876	886	886	897	889	863
15		877	886	887	886	896	900	853	873	875	818	842	865	871	871	871	865	875	875	850	860	871	874	875	877	871
16	D	884	887	899	948	955	744	748	719	858	955	949	1044	900	822	818	876	854	864	876	889	918	911	929	920	882
17		920	965	910	899	876	875	875	870	876	872	871	832	754	820	852	865	868	865	871	875	866	876	875	879	871
18		887	887	897	889	882	876	876	870	876	826	817	742	731	843	853	864	865	866	860	866	880	886	886	899	859
19		943	964	992	949	904	875	828	817	748	737	817	779	742	776	854	860	865	854	887	892	918	971	948	919	868
20		920	900	921	909	887	882	887	832	809	742	742	787	808	835	843	860	870	871	876	879	886	883	882	880	858
21	Q	883	876	876	882	875	871	865	866	865	865	865	865	860	837	843	854	864	864	853	865	865	865	871	866	865
22	Q	866	865	864	865	876	882	875	875	865	828	827	856	861	858	857	861	863	860	855	857	861	862	862	874	861
23		872	875	873	877	875	887	889	875	865	864	858	854	838	847	854	865	861	860	854	855	860	857	853	860	864
24	D	899	831	522	503	542	804	893	887	887	848	631	790	926	779	765	797	832	820	853	897	875	886	901	916	804
25		950	889	906	905	896	895	893	887	882	814	838	860	810	770	842	863	865	865	858	862	864	861	865	866	867
26		877	881	882	882	876	874	910	820	775	709	806	865	870	860	850	851	826	826	864	860	876	876	882	900	854
27	D	885	887	943	944	891	708	731	793	732	804	816	798	787	836	832	827	832	854	865	853	868	889	889	894	840
28		899	953	938	943	921	692	748	782	860	701	843	805	843	765	768	848	823	874	871	860	873	882	885	896	845
29																				868	871	873	879	876	887	
30																										
31																										
Mean		900	895	888	889	883	866	865	846	833	807	805	808	825	832	840	851	850	858	863	876	885	891	896	896	860

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Meanook — February 1952

Day	Horizontal Intensity							Declination							Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	07	02	977	11	39	-147	1124	11	04	155.0	11	40	-38.6	193.6	11	25	1094	11	32	410	684
2	05	25	929	08	27	777	152	05	09	57.0	05	36	26.5	30.5	02	50	939	08	29	695	244
3 Q	05	08	887	09	38	819	68	05	04	61.1	09	37	38.3	22.8	04	32	893	09	24	758	135
4 Q	14	23	892	12	11	830	62	04	49	50.6	12	11	36.9	13.7	04	35	886	12	32	823	63
5 Q	15	29	895	10	01	850	45	16	50	52.8	21	58	38.2	14.6	05	05	883	22	21	832	51
6 D	06	11	1066	12	18	489	577	16	09	74.7	22	46	16.3	58.4	22	21	1016	16	33	628	388
7	04	22	996	10	56	-93	1089	10	58	94.9	07	52	-0.6	95.5	04	28	1030	07	23	431	599
8 D	04	17	1138	08	33	342	796	08	20	90.6	08	37	-40.9	131.5	01	30	1057	08	31	086	971
9	03	24	940	15	33	560	380	04	10	81.0	09	36	25.3	55.7	03	25	1000	09	59	670	330
10	23	18	1331	10	14	571	760	19	15	60.8	06	13	23.5	37.3	23	18	1107	16	13	701	406
11	01	32	1224	11	13	548	676	03	08	69.9	03	05	25.5	44.4	23	51	1021	11	12	545	476
12	05	45	978	11	58	185	793	03	34	70.6	06	31	19.9	50.7	00	01	1019	11	51	496	523
13	00	37	963	15	00	550	413	04	36	66.0	16	02	25.0	41.0	00	30	1059	14	59	647	412
14	00	36	956	09	22	564	392	05	27	55.0	08	51	25.4	29.6	00	42	961	09	14	572	389
15	06	07	983	09	29	761	222	06	09	77.7	09	26	24.5	53.2	06	08	970	09	29	766	204
16 D	05	34	1340	09	24	200	1140	10	36	119.8	06	57	-5.5	125.3	09	46	1202	07	10	434	768
17	01	33	933	12	11	720	213	01	41	68.5	11	53	31.3	37.2	01	34	1017	12	00	691	326
18	23	46	922	10	51	728	194	07	47	55.1	21	37	28.8	26.3	23	48	939	12	06	670	269
19	02	43	1180	11	51	476	704	06	17	78.6	19	24	23.5	55.1	02	19	1018	12	13	635	383
20	04	14	919	09	06	528	391	05	06	69.3	08	46	25.3	44.0	00	30	944	08	57	623	321
21 Q	15	20	886	13	35	818	68	03	44	51.3	13	37	32.0	19.3	03	40	889	13	53	817	72
22 Q	14	41	878	09	09	839	39	12	31	46.5	10	19	35.7	10.8	05	05	884	09	41	807	77
23	15	23	950	15	24	797	153	15	01	68.9	15	00	25.4	43.5	06	07	906	12	52	831	75
24 D	01	42	1366	10	09	002	1364	10	06	118.6	04	56	-3.7	122.3	12	27	1207	04	51	412	795
25	00	24	990	13	13	312	678	12	54	66.9	12	57	30.2	36.7	00	32	996	13	06	670	326
26	07	41	1081	09	31	363	718	07	50	86.7	09	30	-10.2	96.9	06	29	954	09	27	545	409
27 D	05	11	1079	08	10	227	852	07	41	120.6	07	52	-49.8	170.4	03	34	978	08	14	443	535
28	04	32	1141	08	31	117	1024	06	08	188.8	08	51	-11.2	200.0	12	14	1005	05	02	449	556
29	05	26	1122	12	00	360	762	05	32	89.1	12	13	18.4	70.7							
30																					
31																					
Mean			1032			486	546			80.9			14.3	66.6			995			610	385
No. days			29			29	29			29			29	29			28			28	28

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 9 Meanook $H = 12,000\ \gamma +$ March 1952

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	858	872	882	883	870	856	865	865	847	714	839	857	870	864	836	847	854	844	832	831	839	851	858	864	850
2 Q	867	868	867	857	856	862	862	863	862	863	864	863	865	872	872	865	852	840	836	840	850	859	869	871	860
3	860	861	860	859	855	853	855	861	867	863	868	872	812	266	762	894	864	844	786	780	815	924	917	1129	839
4 D	898	902	1042	917	781	799	925	547	518	544	274	352	521	842	864	753	786	844	826	798	849	876	911	897	761
5 D	961	1121	989	1067	580	923	934	602	455	026	198	658	451	759	650	610	642	779	876	828	882	901	1152	1158	758
6 D	1101	1174	874	781	866	613	761	889	719	624	632	753	858	835	787	792	851	839	759	802	836	890	873	864	824
7 D	842	875	871	920	890	883	906	897	852	750	150	632	752	641	633	774	798	764	819	808	855	874	905	1014	796
8	871	915	892	884	936	866	839	593	739	777	308	593	480	786	844	812	760	815	802	819	827	879	862	925	784
9	1019	947	987	882	888	869	898	738	563	622	456	580	750	734	711	710	741	815	840	819	850	910	974	928	801
10	916	861	861	888	934	887	787	701	705	645	792	790	798	798	826	802	805	849	814	821	846	893	929	935	828
11	900	966	907	869	885	876	884	861	822	745	731	759	763	849	795	851	837	817	798	842	857	858	867	870	842
12	869	893	926	891	874	878	875	869	816	829	838	841	741	752	802	858	860	835	807	820	847	853	877	867	847
13	854	862	874	867	862	879	861	886	867	861	863	865	851	772	741	847	854	843	828	837	850	856	856	859	850
14 Q	859	859	860	862	864	867	866	865	865	862	788	815	836	850	858	853	847	840	839	840	845	852	867	862	851
15	858	867	873	889	901	904	886	881	867	861	848	833	856	865	872	865	850	830	838	837	830	830	870	847	861
16	862	865	872	862	886	883	874	826	650	787	749	645	760	881	889	866	851	842	847	838	836	851	870	879	832
17	878	892	868	890	897	867	810	863	791	582	674	681	774	658	713	863	890	855	854	861	862	882	872	869	819
18	872	872	879	872	881	886	800	858	868	809	851	870	870	862	858	839	858	865	851	856	857	860	860	866	859
19 Q	867	867	868	868	862	857	870	872	872	873	872	872	869	872	859	848	856	856	854	842	839	844	845	855	861
20 Q	864	867	870	867	869	864	864	865	870	860	840	844	880	876	876	876	870	863	866	861	858	860	859	866	865
21	872	870	870	881	891	890	943	703	822	602	688	762	688	520	748	766	864	867	845	845	844	853	887	939	811
22	913	1014	895	928	1009	889	740	856	772	754	768	811	791	865	853	847	859	842	833	842	859	859	887	947	860
23	1170	1068	1019	955	1103	1041	725	601	918	682	491	753	730	850	881	881	862	842	791	831	872	871	868	889	862
24	873	863	886	1091	970	943	871	798	482	397	404	451	805	890	778	755	829	805	834	867	872	896	888	865	796
25	865	868	862	863	864	883	881	814	552	741	711	597	491	844	872	865	842	843	850	832	864	861	864	869	808
26	876	873	883	862	861	859	856	865	869	872	866	857	851	842	864	858	857	854	844	838	833	846	860	858	858
27	865	865	865	872	865	876	859	749	851	851	825	717	815	833	877	862	833	842	851	855	847	859	865	867	844
28 Q	872	869	867	871	873	870	869	871	874	874	875	877	877	879	880	875	862	851	844	840	845	848	859	863	866
29	868	871	873	870	867	871	873	879	878	860	858	827	842	880	877	876	871	860	848	850	856	863	869	862	865
30	870	882	915	894	885	879	870	875	878	886	866	883	890	849	737	659	742	847	831	837	848	899	1089	957	865
31 D	1081	1170	1137	1067	458	759	795	825	490	352	583	731	742	768	856	669	704	763	827	859	850	859	926	894	799
Mean	903	917	903	898	867	869	855	808	768	722	689	750	770	795	815	817	827	835	831	835	849	868	895	904	833

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook D = 24° E + . . . ' March 1952

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	45.1	44.6	42.3	46.1	42.4	43.8	52.1	42.2	44.6	30.0	42.7	49.3	49.6	49.1	49.7	47.5	45.3	43.7	39.2	38.4	37.8	39.2	40.7	41.7	43.6
2 Q	42.7	42.7	42.1	43.5	49.6	42.7	41.6	41.1	41.7	43.0	43.4	42.7	43.6	45.1	48.2	49.6	48.6	46.6	41.6	40.2	38.6	39.0	40.6	41.8	43.3
3	42.2	42.6	42.6	42.1	41.8	42.7	42.7	40.8	39.8	42.7	42.8	43.6	53.0	54.5	93.8	61.5	58.0	49.1	44.6	39.1	34.7	33.3	34.7	44.6	46.1
4 D	34.2	27.2	42.4	62.9	14.5	41.8	30.9	17.2	66.7	61.2	55.6	45.9	43.7	55.5	52.5	59.0	55.8	39.2	38.7	44.1	31.8	34.7	38.2	38.7	43.0
5 D	39.2	56.4	54.6	39.0	33.3	42.8	45.6	41.2	55.6	88.6	36.2	63.9	73.2	49.9	41.8	57.0	62.3	49.6	40.7	43.2	48.1	46.0	61.0	49.6	50.8
6 D	44.3	55.8	55.6	51.1	40.2	70.1	30.4	36.2	47.0	15.5	35.5	36.2	51.5	57.5	59.0	56.2	53.5	50.7	44.7	40.2	34.4	38.0	41.2	35.8	45.0
7 D	37.7	40.2	40.2	52.5	40.8	37.9	39.2	42.2	45.0	37.2	39.2	37.2	58.6	51.0	45.8	38.7	36.8	43.2	40.2	35.5	37.7	42.1	43.7	51.8	42.3
8	42.9	38.7	40.3	59.0	52.0	38.9	44.6	46.1	33.4	48.6	40.2	38.9	61.5	47.7	46.7	54.5	48.6	46.6	42.4	47.6	37.7	39.7	36.2	36.7	44.6
9	48.7	41.6	50.6	40.2	45.0	45.6	39.2	16.9	38.6	36.3	56.5	51.7	47.3	51.6	51.5	43.7	36.1	44.1	40.7	41.5	44.5	45.6	42.4	38.7	43.3
10	37.1	40.7	41.1	40.2	56.8	46.3	36.7	34.5	55.5	33.0	41.1	53.7	47.6	54.2	58.4	55.8	51.8	49.6	42.3	44.2	41.8	41.8	46.3	40.7	45.5
11	38.8	52.0	43.6	42.0	52.5	44.8	58.0	48.6	31.2	45.2	40.7	42.7	50.1	47.6	49.3	52.3	50.2	44.5	41.8	35.2	36.6	36.7	39.0	40.7	44.3
12	40.6	39.2	53.6	44.0	42.3	43.0	42.2	40.7	40.5	39.2	38.1	42.2	50.7	44.6	56.5	53.5	48.9	46.2	41.4	31.7	35.6	38.8	42.7	43.5	43.3
13	43.9	44.7	44.2	42.2	43.5	43.3	39.7	49.6	46.0	43.6	43.1	43.6	43.5	46.6	43.2	48.1	49.1	47.5	42.6	39.8	40.2	39.3	39.1	40.2	43.6
14 Q	39.7	39.6	39.7	40.7	40.7	49.7	42.2	42.2	41.8	42.0	36.4	45.5	44.1	48.3	46.1	46.6	46.7	45.0	42.6	41.2	40.6	39.6	38.2	37.2	42.3
15	37.4	38.2	38.1	41.1	37.3	41.0	50.5	45.1	43.2	43.4	43.2	47.1	52.5	51.5	46.2	49.7	53.0	46.6	44.6	41.6	42.7	33.0	32.9	39.8	43.3
16	38.8	41.6	41.7	42.3	42.7	40.7	43.7	41.2	71.8	51.6	51.8	45.9	43.0	45.8	48.2	49.6	44.6	44.2	39.8	39.6	30.7	34.7	35.7	35.6	43.6
17	39.6	41.4	43.7	47.6	51.5	50.5	39.2	46.5	43.8	37.2	41.2	34.5	51.0	52.2	36.8	46.2	46.8	44.6	42.7	41.0	40.3	39.6	39.9	39.7	43.2
18	40.7	41.2	40.7	39.3	44.0	45.2	32.8	44.2	51.5	47.1	46.2	47.1	45.0	41.1	44.1	42.7	43.6	43.7	43.6	41.8	41.0	40.7	40.8	41.7	42.9
19 Q	42.1	41.9	41.2	41.0	41.2	41.7	43.4	42.6	42.8	43.2	43.6	44.2	44.2	45.8	46.7	47.7	47.0	46.6	43.7	42.0	40.7	40.1	39.4	40.4	43.0
20 Q	40.1	40.2	40.9	40.9	41.2	41.0	43.6	47.1	47.7	41.7	41.2	42.2	46.1	45.1	47.3	49.8	50.2	49.1	48.1	45.3	42.2	41.1	39.7	38.6	43.8
21	39.1	38.1	38.3	38.5	37.3	37.4	37.8	21.2	37.4	56.1	54.9	54.5	65.4	49.3	40.2	35.8	46.9	46.5	45.5	39.7	39.7	40.6	36.7	42.6	42.5
22	37.7	42.7	61.5	49.1	47.6	45.7	40.5	46.5	35.8	40.7	46.3	43.7	43.2	43.6	49.6	51.6	47.6	43.7	44.0	42.3	39.7	39.1	37.0	37.2	44.0
23	42.0	34.3	39.7	33.3	43.6	27.8	36.7	35.7	52.5	43.6	59.6	45.1	47.7	44.9	47.7	48.5	50.0	47.3	35.3	26.8	35.5	34.1	35.7	35.2	40.9
24	35.6	42.2	40.6	49.6	62.1	45.3	41.6	43.1	13.4	17.9	29.8	50.6	38.4	47.1	49.4	52.6	43.8	41.2	41.3	40.6	39.3	42.0	42.4	40.2	41.2
25	41.1	41.2	41.1	41.4	46.2	49.7	44.6	41.4	33.7	42.0	41.7	64.9	47.3	38.4	43.7	49.1	47.1	45.4	43.2	42.0	38.4	39.7	39.8	39.2	43.4
26	37.9	43.7	50.1	41.2	42.9	40.7	41.3	43.4	42.2	42.3	42.2	40.0	44.0	45.7	47.0	48.5	49.2	47.7	43.3	40.2	36.7	36.2	37.7	38.2	42.6
27	38.3	40.1	40.8	41.8	73.3	46.6	46.2	34.4	46.2	45.2	48.1	35.3	45.1	47.9	48.6	52.1	44.0	42.5	41.8	39.4	36.8	37.8	38.7	38.5	43.7
28 Q	39.1	39.0	39.9	40.4	41.1	41.6	41.2	41.2	41.0	41.0	42.2	42.6	44.1	46.0	48.7	50.7	51.3	49.9	45.7	42.3	40.3	38.2	37.7	37.9	42.6
29	37.8	38.9	39.8	39.2	39.9	40.5	40.7	40.7	41.2	43.4	46.0	44.3	49.5	46.5	50.7	54.2	53.8	50.6	45.6	40.2	39.5	37.6	35.4	33.7	42.9
30	33.7	34.8	41.7	40.8	58.2	42.7	40.7	40.7	40.9	42.7	38.7	41.0	42.7	44.7	47.6	63.9	55.8	53.4	43.1	46.3	33.8	36.2	39.9	30.7	43.1
31 D	32.4	63.4	48.9	44.1	32.3	40.8	47.0	42.5	36.4	63.1	43.6	55.0	44.9	46.5	49.1	56.0	51.5	42.7	40.3	44.5	41.0	38.8	34.9	41.6	45.0
Mean	39.7	42.2	43.9	43.8	44.4	43.6	41.8	39.9	43.5	43.5	43.6	45.6	48.8	47.9	49.5	50.7	49.0	46.2	42.4	40.6	38.7	38.8	39.6	39.8	43.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Meanook $Z = 58,000\ \gamma +$ March 1952

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	926	923	922	929	900	857	831	837	848	681	754	831	852	855	848	865	862	854	860	862	865	865	872	874	857
2 Q	871	870	867	875	877	871	866	865	864	853	844	858	860	865	865	865	864	863	862	863	863	865	865	865	864
3	860	864	865	864	865	865	866	866	867	860	855	847	787	609	726	851	832	833	844	866	893	933	904	959	849
4 D	938	948	955	876	626	854	819	747	804	720	528	977	832	817	854	775	824	899	858	883	915	915	913	931	842
5 D	943	965	971	954	648	848	843	833	765	1216	793	862	826	920	735	765	777	880	887	923	978	971	955	887	881
6 D	865	609	497	592	731	609	819	893	911	900	690	808	893	877	871	876	860	855	832	868	891	933	915	903	812
7 D	892	909	909	964	931	919	900	832	813	855	642	659	788	780	726	843	827	842	893	893	899	911	947	984	857
8	910	954	904	899	904	897	807	765	709	825	842	684	787	861	876	843	844	889	865	922	924	967	912	943	864
9	988	932	899	932	912	861	916	681	676	709	876	732	809	844	854	820	846	852	899	916	941	967	971	965	867
10	921	896	899	921	887	893	814	794	771	716	758	765	783	799	854	864	847	894	887	889	925	943	955	943	859
11	953	981	971	910	891	814	854	820	819	810	788	776	798	870	831	848	865	855	887	902	887	875	883	900	866
12	901	928	932	928	912	904	876	875	831	826	854	854	798	805	804	861	868	865	860	884	876	886	899	899	872
13	887	885	887	877	887	855	843	854	843	865	871	871	854	790	820	854	865	873	865	873	876	886	899	899	866
14 Q	887	883	882	887	887	880	876	871	875	865	776	777	799	843	854	864	864	865	865	872	876	881	886	886	863
15	895	904	900	899	948	938	882	912	882	868	846	789	819	844	870	866	853	847	854	855	855	887	919	887	876
16	865	865	887	882	904	900	887	810	677	754	841	832	798	837	866	854	858	865	864	865	877	877	892	901	852
17	899	890	899	921	921	776	759	843	754	586	610	575	695	692	764	788	842	855	882	871	877	880	877	876	806
18	876	875	887	904	916	877	687	843	826	782	819	839	860	862	857	832	843	853	860	865	871	875	870	870	852
19 Q	871	871	865	868	868	871	866	855	862	861	857	860	860	860	861	853	863	864	864	864	876	876	876	876	865
20 Q	865	863	863	864	864	868	873	872	860	853	813	804	843	854	864	860	860	860	860	860	860	858	854	858	856
21	865	864	865	865	864	870	848	893	982	663	808	809	744	800	812	786	836	860	865	868	875	887	911	971	850
22	916	988	931	944	921	709	677	860	809	782	776	820	820	870	860	864	882	871	855	866	876	889	899	977	861
23	943	910	978	971	911	876	843	796	809	887	765	844	832	832	864	876	875	872	889	887	876	865	865	884	873
24	887	875	876	865	899	897	876	832	486	664	820	672	776	843	810	820	853	826	848	874	876	899	913	882	828
25	872	875	876	877	886	866	844	770	612	574	631	598	731	826	844	854	857	866	877	872	868	887	886	876	814
26	889	933	958	899	877	865	865	855	858	855	850	809	798	804	846	863	865	866	864	876	877	876	880	874	867
27	871	871	871	880	894	853	850	659	758	818	796	758	750	773	839	848	838	848	853	854	854	860	865	866	830
28 Q	865	862	861	860	866	867	860	860	865	864	860	860	857	860	862	861	855	855	844	857	860	863	864	860	860
29	860	855	854	857	860	860	855	854	854	820	776	754	775	839	854	860	854	854	855	855	855	860	865	865	844
30	887	910	932	904	876	843	860	854	844	853	822	832	837	809	742	710	703	866	866	875	894	939	944	904	854
31 D	825	620	637	653	632	777	854	893	875	820	832	798	843	855	865	748	815	842	852	868	894	887	909	942	814
Mean	893	883	881	881	863	853	842	832	807	807	787	792	810	826	832	837	845	861	865	876	885	896	899	903	852

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook — March 1952

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	06	48	909	09	14	656	253	06	36	64.2	09	27	21.6	42.6	03	16	947	09	42	628	319
2 Q	23	56	883	17	29	829	54	04	12	54.9	20	54	36.5	18.4	04	12	890	09	51	836	54
3	23	43	1249	13	23	-53	1302	14	22	118.8	13	32	-0.2	119.0	21	13	1017	13	45	375	642
4 D	02	33	1210	10	48	-57	1267	08	32	145.0	07	51	-145.7	290.7	10	55	1261	10	30	-592	1853
5 D	01	31	1376	09	43	-192	1568	11	00	109.4	04	44	-86.4	195.8	09	42	1490	04	10	313	1177
6 D	01	21	1342	03	59	390	952	05	25	151.9	09	36	-70.5	222.4	09	31	1049	05	30	135	914
7 D	23	32	1159	10	05	-186	1345	14	17	93.6	09	55	-17.2	110.8	23	08	1071	10	12	497	574
8	05	51	1035	10	22	-74	1109	07	56	95.8	11	02	-0.2	96.0	05	36	1084	05	18	671	413
9	02	25	1507	10	54	191	1316	10	34	83.9	07	52	-44.1	128.0	00	12	1127	07	46	478	649
10	05	04	1060	06	54	152	908	04	22	85.6	06	54	-22.2	107.8	04	18	1002	06	44	580	422
11	01	15	1209	11	20	598	611	06	40	74.6	08	22	27.3	47.3	01	12	1059	11	19	679	380
12	02	06	1054	12	55	628	426	02	11	65.7	19	26	24.2	41.5	02	08	1060	13	52	750	310
13	07	24	915	13	43	719	196	05	38	61.8	06	01	29.9	31.9	22	54	913	13	43	744	169
14 Q	04	04	876	10	48	737	139	05	28	58.8	10	19	31.9	26.9	00	56	900	10	49	693	207
15	04	22	929	22	59	803	126	06	22	64.1	21	50	24.8	39.3	04	40	972	11	28	770	202
16	23	02	920	08	11	457	463	08	42	85.4	07	52	15.6	69.8	04	50	929	07	57	569	360
17	05	31	1000	09	18	478	522	13	13	83.7	06	05	-14.1	97.8	03	43	958	05	09	457	501
18	05	51	932	06	29	698	234	05	52	56.6	06	27	15.7	40.9	04	16	944	06	28	590	354
19 Q	07	24	888	15	46	833	55	16	47	51.0	22	28	36.8	14.2	22	15	884	07	36	836	48
20 Q	12	32	886	11	04	812	74	16	46	62.8	10	36	36.6	26.2	07	35	889	11	05	765	124
21	23	37	1014	13	15	266	748	09	14	90.8	07	32	-26.6	117.4	07	56	1025	09	53	434	591
22	01	24	1185	06	08	450	735	05	45	73.0	06	09	-19.1	92.1	23	54	1074	05	36	424	650
23	02	00	1435	10	27	279	1156	06	56	100.9	10	14	-68.8	169.7	06	57	1181	10	10	336	845
24	03	44	1254	11	03	-04	1258	04	14	84.5	09	46	-13.1	97.6	09	37	994	08	32	313	681
25	23	43	961	12	16	118	843	11	52	100.6	08	30	18.4	82.2	23	45	924	11	52	412	512
26	02	15	915	13	28	809	106	02	08	59.9	20	54	32.1	27.8	01	57	998	13	33	779	219
27	04	35	942	11	19	608	334	04	35	96.8	07	08	13.7	83.1	04	37	971	07	10	587	384
28 Q	00	50	893	17	33	835	58	16	16	53.9	23	35	36.0	17.9	04	59	881	17	40	848	33
29	13	31	896	11	30	801	95	15	32	56.7	23	47	30.6	26.1	23	55	876	12	00	724	152
30	22	29	1291	15	47	546	745	15	42	95.6	20	47	22.9	72.7	22	03	1148	16	06	557	591
31 D	01	01	1376	08	32	-618	1994	09	27	138.6	08	45	-139.8	278.4	08	27	1163	00	56	-280	1443
Mean			1081			404	677			84.5			-06.9	91.4			1022			513	509
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 1952

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	933	921	990	1004	1015	983	824	715	603	622	646	774	851	643	512	690	852	875	835	861	866	866	868	869	817
2 D	944	961	1121	1201	1153	1028	820	772	516	338	426	838	837	735	792	887	827	746	773	833	922	912	910	1056	848
3 D	937	979	1034	991	893	1015	748	543	559	169	399	503	865	770	731	660	668	733	866	855	863	975	934	1188	784
4	952	1008	976	950	903	872	903	848	770	665	583	591	622	778	817	798	817	800	858	870	942	925	985	894	837
5	910	933	973	931	976	889	767	722	256	650	665	668	855	779	760	810	810	781	810	839	863	896	923	989	811
6	1067	1075	893	952	869	866	779	771	549	393	647	837	768	750	788	856	866	852	860	844	864	867	918	1013	830
7	889	895	883	878	871	802	689	781	852	873	747	599	796	881	834	864	844	795	814	837	855	879	887	912	832
8	1013	888	853	873	868	927	825	653	760	739	622	748	798	803	797	841	850	826	791	822	822	869	894	899	824
9	1020	904	962	890	887	872	864	865	764	853	887	745	708	841	885	861	809	785	796	849	859	859	880	914	856
10	1010	1113	987	998	945	696	653	805	867	850	740	587	785	828	868	867	858	855	846	852	849	855	858	865	852
11	862	875	873	884	881	874	882	820	730	703	851	812	749	792	874	866	863	855	851	842	854	863	859	866	841
12 Q	874	867	875	870	880	897	804	859	788	852	835	883	879	885	890	886	873	862	845	852	846	842	855	870	861
13	880	892	938	949	999	887	868	868	868	872	817	827	835	874	899	890	871	862	855	852	843	851	860	871	876
14	860	867	868	868	871	872	875	874	879	822	762	845	852	881	887	871	839	856	855	845	845	844	853	867	857
15	866	880	876	879	871	899	867	845	817	852	709	583	611	551	809	856	852	867	853	863	866	853	864	881	820
16	870	887	885	888	895	888	788	873	854	882	873	874	874	846	854	850	864	854	859	856	860	864	860	869	865
17	880	887	899	1038	1036	834	839	888	684	688	844	867	875	878	878	878	871	860	856	856	854	860	865	867	866
18	863	865	868	871	869	869	871	882	879	882	882	888	883	884	883	879	850	827	799	828	851	884	901	919	870
19	1017	905	913	904	881	891	919	837	807	856	858	846	811	686	681	826	860	841	789	776	851	877	881	877	850
20 Q	874	858	874	874	900	863	821	835	858	852	866	862	877	884	881	865	861	842	847	851	858	862	863	867	862
21 D	872	876	887	899	920	886	883	860	879	886	886	903	856	517	255	435	599	792	849	875	850	926	929	893	809
22	856	889	899	949	650	755	381	427	451	552	389	708	874	891	885	878	856	859	877	877	891	878	868	887	768
23	867	891	892	872	876	882	891	873	847	773	640	856	885	881	870	860	848	849	852	858	861	863	866	870	855
24	875	870	873	868	873	871	868	873	874	874	876	882	886	887	884	827	792	829	830	848	853	863	869	854	862
25 Q	868	873	863	868	868	873	869	872	875	875	873	770	827	877	882	875	852	856	851	845	846	854	854	869	860
26 Q	870	877	884	876	876	876	876	877	878	880	865	866	878	894	890	887	871	851	842	836	852	852	851	858	869
27 Q	863	866	866	869	874	873	873	873	877	887	888	893	886	892	889	880	875	866	859	848	867	879	901	887	876
28	906	906	910	1010	988	980	945	918	820	871	762	602	637	707	745	767	777	789	731	860	876	890	894	925	842
29 D	1049	1032	891	923	1094	862	837	458	663	785	820	578	597	740	861	844	681	762	812	879	996	912	1079	1068	842
30 D	1050	1036	1045	952	847	698	853	741	330	531	327	536	775	881	865	851	851	837	849	891	912	978	997	1080	821
31																									
Mean	920	919	918	926	911	876	823	794	738	744	733	759	808	805	812	830	827	829	834	850	868	880	894	918	842

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Meanook D = 24° E + . . . ' April 1952

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	36.8	39.9	40.8	46.6	47.1	53.0	44.2	37.8	26.8	54.8	45.6	44.6	46.1	55.4	43.6	33.8	47.6	55.5	44.5	42.2	41.7	39.1	39.3	39.7	43.6
2 D	32.8	30.9	52.8	45.1	30.3	41.6	50.6	56.0	48.7	55.5	21.9	52.5	53.5	53.7	58.6	54.5	56.0	53.5	40.8	36.1	39.4	40.4	36.7	51.6	45.6
3 D	40.7	31.3	43.2	58.0	42.7	47.0	11.5	37.6	44.7	62.3	39.2	66.5	42.0	47.3	56.4	57.4	44.1	35.1	48.3	40.3	41.7	49.9	38.7	37.5	44.3
4	39.5	32.5	43.6	44.9	35.2	41.7	50.6	40.7	42.2	43.2	25.4	30.3	55.0	60.0	53.0	52.1	52.1	49.0	43.6	47.7	48.0	44.1	42.3	39.3	44.0
5	40.2	32.8	51.1	47.2	44.6	38.7	54.9	78.2	17.9	45.6	35.6	43.2	50.1	52.2	49.5	45.7	45.7	45.7	38.8	38.0	35.0	37.0	39.2	39.3	43.6
6	41.0	47.0	37.9	43.2	43.5	40.5	36.4	26.3	52.1	-10.7	35.7	45.7	58.0	46.0	46.7	48.0	50.7	47.0	46.1	46.1	48.0	42.1	39.2	47.6	41.8
7	41.7	35.3	47.0	50.1	38.1	46.6	22.9	28.8	43.2	44.0	41.1	33.8	43.9	46.9	49.6	49.9	51.0	46.3	38.3	36.0	39.2	42.0	40.1	35.7	41.3
8	40.8	37.8	38.4	37.6	39.3	49.2	42.0	31.1	40.3	30.9	31.5	41.0	50.1	52.5	52.1	46.5	44.6	45.3	43.2	39.9	38.3	33.9	33.0	32.2	40.5
9	37.2	37.2	36.2	45.1	39.2	38.7	40.7	40.3	28.3	44.6	41.8	44.3	38.2	43.2	49.2	50.3	50.3	42.0	30.4	33.3	35.5	34.4	34.9	37.7	39.7
10	34.5	33.1	65.1	44.0	42.6	41.8	37.7	42.2	42.2	41.0	43.3	35.2	49.0	47.5	48.7	49.1	47.5	46.2	41.7	42.1	38.5	38.7	37.2	37.2	42.8
11	37.8	40.1	46.1	49.8	44.7	41.2	42.7	31.9	48.3	38.7	51.1	49.3	44.1	43.2	51.6	51.6	51.1	49.6	45.3	39.2	37.8	35.8	36.2	36.8	43.5
12 Q	36.8	45.7	45.2	42.5	41.2	41.8	37.1	45.1	38.4	41.2	42.2	48.7	48.1	48.6	49.7	51.3	51.8	49.2	44.5	42.8	37.7	35.3	36.7	36.8	43.3
13	36.8	36.7	35.2	36.2	40.3	42.3	39.3	39.2	40.8	41.2	42.0	47.1	47.0	48.7	50.0	51.9	51.9	49.0	45.2	40.8	37.4	35.7	36.1	37.2	42.0
14	38.3	38.8	40.7	40.7	40.8	40.7	40.2	40.4	40.6	40.2	47.7	47.5	46.0	50.3	48.6	46.4	43.5	44.2	41.9	40.6	38.9	36.1	36.2	36.3	41.9
15	37.0	37.2	39.2	43.5	51.1	44.9	42.2	38.3	29.4	42.0	36.6	42.1	47.3	51.1	40.2	43.1	46.5	43.7	42.6	40.8	40.0	36.7	37.2	36.2	41.2
16	37.2	39.1	40.2	44.2	57.6	47.6	36.6	49.1	47.9	43.2	42.2	44.1	45.2	50.2	50.5	46.3	46.1	46.5	43.1	41.2	38.8	37.7	37.6	38.0	43.8
17	38.3	37.7	36.6	49.1	32.7	37.2	39.6	42.2	40.0	48.1	43.2	46.6	45.9	46.8	49.1	49.1	49.1	46.0	42.2	38.8	36.9	37.4	38.2	38.2	42.0
18	39.3	39.6	40.8	41.3	40.9	41.2	40.7	45.3	39.8	40.2	41.1	41.6	45.1	49.1	50.1	49.5	48.3	42.3	36.2	29.4	31.5	36.1	37.7	34.5	40.9
19	35.7	35.1	40.6	46.6	45.2	41.4	35.0	37.1	34.5	40.7	39.1	42.4	42.2	45.5	44.1	46.2	45.2	48.1	41.2	29.8	30.3	31.4	34.3	35.8	39.5
20 Q	34.5	37.3	38.2	40.2	54.2	45.9	35.3	37.8	42.8	42.4	42.1	46.0	47.6	48.5	49.1	49.1	47.1	43.2	39.7	37.7	35.8	35.0	34.5	34.1	41.6
21 D	35.4	36.2	34.4	38.9	39.2	33.5	56.5	43.0	48.3	42.4	45.6	49.6	56.1	81.5	88.6	99.3	73.3	58.5	33.8	36.2	39.0	34.4	35.2	33.5	48.8
22	35.1	37.7	41.2	36.3	30.3	44.9	47.9	76.8	36.4	38.2	47.1	34.1	46.3	50.9	52.2	52.3	51.6	46.3	42.2	40.1	37.3	36.3	37.0	38.5	43.2
23	37.7	39.0	40.2	45.7	38.9	46.5	48.1	49.7	46.3	40.2	36.4	42.8	45.6	47.5	48.7	47.3	47.2	43.5	40.4	38.2	36.1	35.8	36.8	37.8	42.4
24	38.1	40.0	39.4	41.0	40.4	41.7	41.2	40.9	40.9	41.2	41.1	43.0	45.0	47.1	49.3	48.7	44.6	39.7	40.2	38.3	38.2	36.2	38.2	34.8	41.2
25 Q	38.0	38.3	39.3	40.5	40.2	39.3	40.2	40.1	42.1	42.3	41.1	39.2	44.2	47.2	48.2	48.5	47.0	44.3	41.2	38.2	34.5	34.3	35.2	37.4	40.9
26 Q	38.6	39.1	40.2	39.2	39.1	39.1	39.7	41.2	41.7	44.2	39.2	41.5	43.7	48.6	52.1	52.8	51.1	49.9	45.0	31.3	32.3	31.7	33.3	35.4	41.2
27 Q	36.2	38.5	39.7	40.2	41.2	40.9	41.9	41.8	41.4	41.4	42.2	42.3	44.6	47.7	50.3	52.9	50.3	46.5	41.9	38.6	36.6	34.5	31.7	32.1	41.5
28	31.4	32.9	36.6	51.0	54.7	37.4	29.8	38.9	38.9	40.4	44.0	38.1	38.9	58.5	58.5	54.7	51.0	44.1	35.2	35.1	36.2	35.7	35.2	32.3	41.2
29 D	35.2	38.1	33.2	33.3	47.3	48.3	33.5	31.8	42.7	50.7	49.7	52.8	43.0	48.1	55.2	54.6	51.9	38.8	35.3	48.0	46.3	35.2	43.1	50.1	43.6
30 D	29.3	36.2	42.2	41.3	43.8	50.2	36.4	38.7	-6.1	40.2	48.7	34.5	65.9	53.0	52.9	53.3	47.3	41.8	45.5	37.4	42.1	45.9	38.3	46.2	41.9
31																									
Mean	37.1	37.4	41.5	43.4	42.2	42.8	39.8	42.3	38.7	41.7	40.8	43.7	47.3	50.6	51.6	51.2	49.5	46.0	41.3	38.8	38.3	37.3	37.0	38.0	42.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Meanook Z = 58,000 γ + April 1952

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	909	934	933	843	857	842	720	598	652	798	775	838	871	754	697	709	815	866	853	855	858	857	860	860	815
2 D	899	931	837	843	808	850	848	631	666	887	776	843	820	809	822	900	854	819	826	865	938	915	905	953	844
3 D	904	921	876	776	798	820	854	631	910	804	822	932	865	798	798	783	848	837	857	854	889	955	931	909	849
4	897	923	915														875	866	868	928	982	926	942	904	
5	933	926	954	938	943	916	688	511	687	802	701	720	837	832	864	886	863	865	882	899	924	900	921	942	847
6	899	843	901	887	800	865	732	734	809	575	692	776	747	815	831	863	896	886	887	893	922	926	953	979	838
7	904	915	915	886	886	741	552	663	792	865	826	711	804	867	847	886	862	843	875	873	875	910	899	900	837
8	933	894	875	881	882	831	825	775	854	799	695	724	725	727	804	854	857	862	880	918	921	938	916	914	845
9	982	911	936	875	912	874	862	749	642	770	853	796	726	807	858	858	848	854	877	866	886	886	897	926	852
10	938	837	775	871	768	737	664	788	866	866	860	758	798	837	875	885	887	886	879	889	887	887	887	886	842
11	882	894	887	875	860	865	846	719	670	676	802	854	810	786	837	865	871	866	864	868	870	873	870	871	837
12 Q	876	894	895	891	905	913	761	815	803	815	773	833	843	850	865	866	866	866	864	867	867	864	867	868	855
13	875	893	926	759	893	931	876	872	865	864	795	760	793	824	868	871	871	861	865	871	876	874	875	875	860
14	867	865	865	864	864	864	861	860	860	826	698	800	824	841	846	850	832	831	842	843	854	864	863	865	844
15	868	874	886	889	893	897	804	795	719	826	701	654	681	731	765	786	800	846	864	867	870	862	865	870	817
16	866	875	882	913	861	826	525	776	786	844	854	864	853	820	824	832	844	843	845	850	860	865	866	864	835
17	864	865	900	886	854	692	815	873	809	705	802	828	860	865	865	866	863	863	855	860	860	860	862	860	843
18	858	857	860	860	860	860	855	844	855	860	860	854	842	844	844	854	844	854	853	834	864	899	933	921	861
19	965	926	942	875	833	884	881	799	753	827	829	820	808	732	687	731	843	875	868	882	886	889	901	893	847
20 Q	885	875	880	886	820	775	758	822	824	825	843	842	853	858	855	847	848	848	843	848	853	855	871	887	846
21 D	892	893	915	909	893	798	731	788	819	844	848	854	776	614	955	1088	835	825	899	876	922	982	910	899	865
22	889	921	924	881	788	698	375	632	737	899	698	742	875	876	866	865	854	854	842	843	847	844	844	864	811
23	860	874	895	900	876	854	818	711	741	749	656	809	848	855	855	853	855	855	860	860	860	864	860	860	834
24	860	858	858	858	857	857	858	857	855	854	853	851	856	856	855	844	815	832	838	852	860	875	913	895	857
25 Q	865	862	856	856	858	858	857	854	850	847	851	758	768	824	841	851	853	853	842	844	852	852	856	858	844
26 Q	858	853	854	854	854	853	851	853	847	842	835	809	815	843	845	844	843	844	831	827	837	850	850	862	844
27 Q	865	860	862	861	865	860	854	850	847	846	846	846	846	846	848	844	844	843	851	846	853	863	868	882	854
28																			857	866	868	877	886	896	
29 D	955	892	905	904	977	986	838	784	771	786	820	847	755	735	812	789	754	837	869	897	978	900	947	887	859
30 D	876	848	795	893	730	553	741	788	633	496	755	709	728	832	848	848	868	875	866	912	909	931	922	934	804
31																									
Mean	894	885	885	872	857	832	773	763	783	800	790	801	808	810	835	851	848	853	860	866	881	887	890	892	842

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook — April 1952

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	34	1087	10	32	378	709	14	25	82.5	08	09	-50.9	133.4	01	30	988	08	05	347	641
2 D	02	00	1349	09	46	-408	1757	06	55	114.9	10	18	-39.5	154.4							
3 D	23	40	1535	09	05	-385	1920	09	34	118.3	10	05	-37.9	156.2							
4																					
5	02	26	1099	08	21	116	983	07	46	109.4	08	15	-19.9	129.3	02	20	1035	07	00	280	755
6	01	41	1208	09	42	101	1107	03	47	89.5	09	27	-58.9	148.4	23	42	1040	09	22	224	816
7	00	02	1051	11	03	449	602	05	10	66.8	06	10	-23.0	89.8	02	00	997	06	36	469	528
8	00	31	1121	10	10	404	717	05	04	75.4	10	11	-16.9	92.3	00	31	1026	10	05	609	417
9	02	55	1107	12	00	586	521	02	53	77.8	08	14	17.2	60.6	00	15	1009	08	00	535	474
10	02	07	1331	11	25	529	802	02	18	88.2	06	28	-16.6	104.8	00	51	977	06	19	550	427
11																					
12 Q	05	56	910	08	35	732	178	01	55	56.3	06	21	33.3	23.0	05	05	932	06	30	697	235
13	03	20	1132	10	49	764	368	04	50	57.0	03	45	13.5	43.5	04	47	983	03	24	561	422
14	15	30	921	10	08	559	362	10	32	59.2	09	55	28.2	31.0	23	59	884	10	08	562	322
15	06	31	956	13	13	408	548	12	40	99.6	08	11	21.6	78.0	05	34	915	12	32	560	355
16	06	15	1144	06	35	629	515	06	14	84.9	06	55	-16.2	101.1	03	50	980	06	30	179	801
17	05	00	1120	08	53	419	701	05	55	70.8	06	31	18.4	52.4	03	14	982	05	25	575	407
18	23	59	961	18	34	778	183	07	08	56.2	19	18	26.6	29.6	23	57	984	19	25	819	165
19	00	11	1176	13	56	455	721	04	10	67.5	13	59	-17.8	85.3	00	06	1078	14	04	566	512
20 Q	04	45	924	04	56	716	208	04	26	74.7	06	23	20.4	54.3	04	00	911	05	10	715	196
21 D	04	59	1068	14	20	053	1015	14	16	138.6	05	29	-17.4	156.0	14	05	1439	13	30	402	1037
22	04	00	1057	07	08	285	772	07	30	173.7	08	02	-56.3	230.0							
23	06	48	977	09	59	363	614	06	00	68.8	09	54	26.9	41.9	03	17	944	10	03	478	466
24	12	55	896	18	00	772	124	15	30	52.0	23	25	31.8	20.2	22	19	939	16	17	802	137
25 Q	13	44	893	11	46	645	248	13	41	50.3	11	36	28.5	21.8	00	03	881	11	43	525	356
26 Q	13	24	905	19	40	823	82	15	34	54.3	19	47	28.8	25.5	23	05	877	11	26	796	81
27 Q	22	45	922	00	44	846	76	15	22	53.8	22	55	28.8	25.0	00	36	899	15	55	835	64
28	04	05	1228	10	51	403	825	07	10	101.5	03	42	23.1	78.4							
29 D	23	01	1263	04	55	458	805	04	55	97.5	05	41	06.6	90.9							
30 D	02	15	1266	10	55	132	1134	10	26	90.8	08	08	-32.7	123.5	10	36	1163	08	51	375	788
31																					
Mean			1093			429	664			83.2			-01.8	85.0			994			542	452
No. days			28			28	28			28			28	28			23			23	23

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 17 Meanook $H = 12,000\ \gamma +$ May 1952

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	1128	1081	1100	881	863	733	725	352	455	569	555	407	672	842	833	866	847	859	855	852	901	907	907	1014	800
2	D	983	1064	1044	907	967	764	819	681	612	387	529	716	426	765	805	819	855	862	862	903	908	897	1010	1027	817
3	D	1032	1008	1040	929	855	854	864	628	784	752	739	838	869	860	846	743	715	777	819	889	897	1080	1175	1203	883
4		1166	1000	986	900	852	866	847	658	667	672	596	651	871	795	839	827	891	876	863	873	917	966	1003	1039	859
5		1025	1118	957	855	878	837	855	807	802	520	659	715	706	876	885	853	858	854	838	858	882	888	940	982	852
6		941	929	873	897	918	809	801	629	362	382	540	785	826	821	843	838	838	846	869	865	870	885	890	916	798
7	D	893	924	918	894	994	998	681	643	464	495	574	581	448	413	464	518	526	612	720	802	890	998	1219	923	733
8		885	940	1094	1022	915	910	1017	805	1033	889	841	824	811	868	867	832	841	850	966	860	859	874	869	883	894
9	Q	884	879	878	876	872	879	882	882	877	877	877	879	875	872	873	867	860	854	853	855	859	867	867	875	872
10	Q	898	882	877	880	872	877	878	877	880	880	882	885	870	879	883	870	862	855	863	864	864	860	869	877	874
11		880	881	881	881	878	883	888	887	895	896	893	893	889	853	850	868	864	849	853	871	880	885	885	898	878
12		899	913	895	880	907	914	868	859	882	897	887	887	891	883	884	876	875	866	859	865	875	889	895	888	885
13		883	878	877	876	871	870	880	879	884	862	830	878	860	680	839	884	868	868	861	868	871	853	875	891	862
14		906	915	887	890	872	893	887	880	879	875	865	875	880	881	881	877	872	865	867	861	863	861	872	867	878
15	Q	881	867	872	872	872	874	877	877	877	871	882	876	866	853	852	867	866	861	865	872	872	871	872	879	871
16	Q	887	888	887	872	873	874	876	879	881	883	884	879	887	889	887	881	882	873	870	865	869	880	883	880	879
17		891	880	884	884	880	880	879	878	884	886	889	894	895	897	885	874	865	870	859	867	873	889	905	883	882
18		947	980	980	892	873	900	936	727	701	727	430	654	922	906	880	841	830	795	875	886	886	887	903	878	843
19		886	888	911	905	997	907	867	755	521	337	786	884	892	870	855	841	842	864	882	870	885	866	870	892	836
20		879	882	933	889	882	870	859	819	793	827	889	874	757	827	852	859	857	862	862	868	870	873	889	874	860
21		884	903	886	886	888	898	876	868	783	652	863	895	804	847	861	887	862	856	850	864	867	865	867	877	858
22	Q	886	882	874	872	874	874	870	870	866	866	835	857	880	876	881	879	872	848	838	829	850	858	865	870	866
23		878	880	881	872	872	873	877	880	888	885	885	898	898	887	881	856	848	843	845	839	844	859	875	892	872
24		890	895	910	907	882	882	884	873	884	887	884	855	749	845	867	879	873	873	850	841	842	846	864	905	869
25		873	1186	958	920	923	875	865	865	787	820	859	873	887	870	880	872	864	848	834	846	850	858	866	880	882
26		880	880	880	878	873	873	880	885	870	593	877	889	833	762	768	877	848	856	829	852	894	896	1106	1232	865
27	D	1316	1201	957	870	950	673	577	513	608	703	529	533	646	700	811	878	862	870	857	900	908	941	936	1047	824
28		939	901	962	880	868	873	884	797	751	544	522	733	708	887	828	715	823	829	851	894	948	930	914	1053	834
29		1049	985	935	965	894	815	833	730	508	576	780	849	770	798	844	857	846	861	852	863	869	891	897	911	841
30		921	954	976	918	928	700	645	773	670	607	834	691	840	874	894	886	867	857	859	852	858	892	915	975	838
31		1015	1069	1024	909	917	827	834	778	639	789	867	866	861	843	843	842	862	857	844	857	858	885	892	904	870
Mean		945	953	936	895	895	855	845	782	754	723	763	800	806	830	843	843	843	846	851	863	877	893	922	939	854

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18 Meanook D = 24° E + . . . ' May 1952

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	38.2	48.9	43.5	46.3	48.7	29.5	35.4	23.4	37.3	32.8	61.9	29.9	38.0	45.6	55.0	51.1	48.1	47.3	45.3	41.1	41.6	41.6	36.7	46.0	42.2
2 D	43.4	34.1	39.3	44.6	37.3	38.8	36.7	33.5	23.6	60.0	48.1	63.4	61.5	44.9	51.3	51.1	46.1	44.3	50.3	45.7	39.3	36.6	45.7	40.4	44.2
3 D	35.2	33.3	37.2	44.1	40.2	43.2	38.2	37.4	46.0	38.0	41.8	39.7	44.1	48.1	51.2	50.1	38.2	33.1	41.2	43.6	45.0	50.6	49.2	38.1	42.0
4	43.2	37.2	43.2	42.0	45.9	39.2	41.6	25.9	44.3	45.5	61.5	36.6	36.2	48.1	45.2	41.7	46.1	48.3	42.7	38.6	42.1	38.2	37.2	33.5	41.8
5	26.2	37.3	32.8	35.9	43.1	38.3	36.1	37.0	31.5	31.3	50.6	56.2	49.0	48.2	46.7	49.8	43.7	40.9	38.1	33.5	37.7	35.1	34.5	37.7	39.6
6	32.4	31.1	35.2	37.0	52.1	53.9	35.2	51.1	37.8	37.8	49.0	47.2	45.6	45.0	48.1	50.0	45.0	41.2	37.8	34.7	34.9	34.9	34.9	33.7	41.1
7 D	37.7	37.1	46.9	48.0	49.6	35.4	29.3	47.1	51.1	55.7	58.9	75.8	92.6	85.7	38.2	37.2	50.1	52.3	26.1	35.4	36.7	37.1	46.7	33.0	47.6
8	36.0	31.0	39.4	42.5	38.8	38.3	32.8	34.1	54.9	42.5	44.6	44.1	44.1	55.0	53.8	52.3	48.6	47.6	42.7	38.2	35.2	35.1	34.5	34.7	41.7
9 Q	35.2	37.1	37.2	38.4	39.1	39.5	42.8	40.4	41.3	42.2	43.2	45.2	46.2	46.3	47.9	48.3	49.3	47.2	41.7	37.4	34.2	34.0	34.5	34.3	41.0
10 Q	33.1	37.2	37.7	38.3	39.2	38.4	39.9	39.6	41.7	43.3	44.1	45.1	45.2	46.2	49.0	50.2	50.0	46.8	42.3	39.2	37.7	36.1	36.7	36.7	41.4
11	38.6	38.7	38.7	39.2	40.2	39.2	38.6	40.2	41.2	41.2	41.2	41.7	44.6	51.0	55.3	53.9	54.6	48.1	42.4	34.5	33.3	34.7	35.6	36.7	41.8
12	36.9	38.6	42.3	39.2	44.6	48.1	48.2	43.8	45.2	43.0	41.7	43.9	45.6	45.5	46.6	45.6	45.6	43.6	38.7	39.1	36.4	36.4	37.7	37.6	42.2
13	38.7	39.1	38.7	39.6	40.3	40.2	40.3	41.7	41.2	48.1	46.7	46.7	45.7	55.8	51.7	48.6	46.6	45.2	42.0	42.0	36.4	43.9	46.1	44.6	43.8
14	35.2	41.6	36.8	37.2	38.7	52.5	46.9	40.0	40.3	39.3	39.9	40.7	43.6	46.6	48.6	49.7	48.3	44.9	39.9	36.9	36.8	36.3	35.9	36.2	41.4
15 Q	37.8	39.4	39.5	39.4	38.7	39.0	39.7	40.2	41.0	41.3	41.0	40.7	43.8	45.8	46.8	49.0	49.5	47.7	41.3	39.9	37.7	36.0	36.0	36.1	41.1
16 Q	36.7	38.6	40.3	40.3	42.1	40.0	40.2	41.4	41.1	41.2	40.8	40.3	42.7	45.1	48.0	50.2	49.9	48.2	46.3	42.3	40.0	37.2	37.0	36.7	41.9
17	37.3	38.4	38.8	39.4	39.5	42.7	43.3	46.0	41.7	40.2	41.3	42.8	45.6	46.2	47.7	48.7	48.0	46.7	43.3	42.1	36.2	35.2	32.3	28.8	41.3
18	31.8	35.3	34.5	34.4	35.2	36.3	38.2	51.6	55.7	49.2	53.6	60.3	49.5	51.5	54.5	55.0	44.1	39.2	34.7	32.8	36.1	36.3	38.2	37.7	42.7
19	37.2	38.6	38.3	40.2	85.7	47.3	37.0	45.6	45.6	29.3	45.2	51.6	52.1	51.1	51.1	48.6	45.0	39.2	35.7	33.5	34.7	36.3	37.3	38.4	43.5
20	37.0	35.6	42.0	47.3	40.2	41.6	40.7	41.8	45.0	41.3	42.8	43.9	43.1	49.8	52.5	49.8	48.3	43.2	49.9	36.0	35.7	35.1	35.3	35.6	42.2
21	36.7	38.3	43.1	39.2	39.2	40.2	42.4	38.3	33.2	28.9	44.8	44.5	44.2	50.9	52.1	53.5	50.6	47.5	40.2	35.1	35.2	35.6	36.2	38.2	41.2
22 Q	41.0	41.2	40.2	40.8	41.6	44.6	39.3	40.8	40.9	39.3	38.2	40.0	44.3	47.3	49.9	50.2	49.5	47.2	42.3	36.3	34.5	34.5	34.5	36.2	41.4
23	37.2	38.1	39.7	39.4	39.4	40.5	39.6	39.7	39.7	38.0	38.8	42.1	46.1	47.3	50.9	52.0	50.9	49.1	44.1	37.9	33.4	31.2	31.3	30.4	40.7
24	33.2	34.5	41.7	49.3	36.7	38.2	44.1	42.4	37.8	40.4	39.2	39.5	36.7	49.9	49.2	55.9	55.0	50.0	43.6	37.0	33.8	32.0	33.9	33.3	41.1
25	31.3	23.4	31.5	34.7	38.2	46.1	37.0	38.2	41.4	47.7	39.6	43.2	45.1	45.7	49.0	52.2	51.3	45.0	42.4	38.7	35.3	34.3	34.5	35.2	40.1
26	35.7	36.3	37.9	38.0	38.2	38.3	38.3	38.8	38.0	65.9	49.3	43.1	50.9	54.3	50.3	62.8	64.3	48.9	46.2	35.2	37.2	32.3	34.0	25.9	43.3
27 D	-17.2	27.8	-0.4	32.1	29.3	28.3	16.6	21.8	50.3	24.6	51.3	41.2	50.1	48.3	56.6	52.5	49.3	52.2	43.2	50.9	53.5	36.0	33.0	34.3	36.1
28	39.2	38.2	39.2	37.2	38.0	35.2	45.3	34.8	37.8	36.7	38.8	39.8	58.4	48.6	50.0	49.9	44.9	44.2	42.7	47.9	45.7	37.8	35.8	47.1	42.2
29	36.6	37.5	36.8	43.3	53.1	35.2	34.1	44.9	50.6	43.6	47.7	43.5	46.2	45.1	51.1	50.6	52.1	46.1	42.1	36.6	35.2	34.4	31.4	34.3	42.2
30	31.3	40.4	33.3	40.2	35.1	25.3	26.4	40.8	49.2	27.2	47.0	44.7	47.9	49.1	51.1	51.1	52.1	48.1	45.1	42.8	39.3	40.2	38.7	40.4	41.1
31	32.3	35.4	38.7	35.9	45.6	51.2	41.2	35.7	33.9	38.0	39.8	42.7	46.1	47.0	47.2	47.7	47.7	44.6	45.6	42.8	36.7	37.3	31.9	37.8	41.0
Mean	34.4	36.8	37.6	40.1	42.4	40.1	38.2	39.3	42.0	41.1	45.6	45.2	47.6	49.5	49.9	50.3	48.8	45.7	41.9	39.0	37.7	36.5	36.7	36.4	41.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Meanook $Z = 58,000\ \gamma +$ May 1952

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	864	818	853	688	703	687	753	492	614	737	910	797	776	788	808	843	854	886	877	887	910	909	890	942	804
2 D	904	900	793	742	861	648	764	581	531	596	874	770	809	798	788	837	854	858	875	932	899	905	947	921	808
3 D	940	906	852	831	799	659	764	710	857	848	818	865	864	860	853	782	810	810	868	926	940	969	862	720	838
4	807	914	852	832	710	814	834	628	602	656	793	765	739	802	866	833	875	865	866	891	910	933	929	919	815
5	913	911	911	886	834	697	770	810	844	717	631	647	653	822	860	851	854	854	857	864	868	875	915	940	824
6	915	924	899	890	875	688	804	768	589	770	942	794	817	826	854	868	871	884	880	868	872	884	891	911	845
7 D	909	907	895	873	897	822	846	776	837	797	779	734	664	754	608	409	601	797	834	877	926	954	921	870	804
8	868	902	893	932	919	904	904	746	666	865	843	822	822	832	854	843	842	843	835	842	855	865	862	865	851
9 Q	863	868	862	863	864	871	875	865	860	860	860	854	850	848	846	844	848	848	842	843	847	854	856	863	856
10 Q	876	875	858	855	854	854	848	850	854	844	848	851	842	831	843	844	844	843	837	837	839	844	848	848	849
11	851	848	851	850	848	848	848	860	850	850	831	814	809	782	749	784	809	809	814	820	838	832	835	854	828
12	873	920	902	876	887	818	788	826	854	864	857	848	854	844	845	843	844	843	843	843	845	846	851	847	853
13	848	850	851	854	848	850	848	848	847	807	724	818	794	614	788	835	843	843	832	837	856	847	853	857	825
14	902	926	901	897	871	876	793	815	843	843	815	827	843	843	838	842	842	832	818	822	826	832	837	837	847
15 Q	852	845	844	844	843	843	842	843	844	842	842	833	820	799	804	809	825	832	817	820	826	833	842	842	833
16 Q	841	843	844	844	845	844	843	838	837	837	836	835	833	833	834	833	831	827	826	831	831	831	836	845	837
17	844	843	843	843	842	842	852	847	844	837	837	836	838	842	837	837	831	827	820	822	826	829	833	836	837
18	871	951	944	889	855	863	833	653	511	759	875	658	832	842	820	808	820	798	816	809	812	826	843	848	814
19	865	854	868	871	758	836	820	708	661	637	770	787	826	825	803	805	804	832	846	835	844	848	846	851	808
20	857	862	891	894	858	842	797	703	650	684	817	824	719	725	751	797	817	831	835	838	843	853	864	846	808
21	850	868	877	857	861	858	837	828	720	554	741	818	748	784	794	806	820	826	837	844	848	851	847	846	813
22 Q	850	848	846	842	842	808	815	808	808	815	775	770	808	820	832	832	831	832	826	826	831	835	835	835	824
23	832	833	837	836	835	835	832	832	832	820	797	802	827	826	824	815	804	809	808	814	818	826	837	843	824
24	860	860	876	822	836	838	780	749	766	809	813	797	652	715	770	815	816	814	814	817	818	828	839	865	807
25	942	971	960	938	910	826	843	826	516	699	776	813	842	831	836	827	832	831	826	825	824	824	824	826	832
26	831	828	828	828	829	829	831	831	787	420	726	786	759	737	719	815	808	798	799	806	831	870	940	798	793
27 D	570	610	519	750	776	715	688	742	631	586	637	732	653	754	722	815	855	852	844	875	923	918	877	901	748
28	876	876	926	854	855	860	837	764	748	628	558	709	759	866	842	759	808	817	832	863	906	886	882	910	818
29	892	907	890	882	804	799	709	653	603	653	737	799	787	809	818	820	826	844	838	875	876	875	900	765	807
30	875	900	897	788	853	692	736	775	765	730	658	648	793	832	856	853	848	842	842	845	855	864	875	911	814
31	913	914	843	877	851	664	809	803	759	765	842	844	838	831	820	808	828	831	835	843	853	880	875	891	834
Mean	863	874	861	849	839	801	811	767	740	746	792	790	789	804	809	810	826	834	837	848	858	865	867	860	823

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook

May 1952

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	00	47	1378	07	50	126	1252	07	03	98.5	07	52	-33.0	131.5	23	35	1027	07	25	313	714
2 D	01	45	1262	10	10	242	1020	02	50	107.4	03	12	-13.7	121.1	10	11	1004	02	55	280	724
3 D	21	55	1322	07	52	464	858	02	55	72.8	05	20	06.5	66.3	21	49	1069	05	00	414	655
4	00	30	1259	07	05	464	795	10	05	84.7	04	37	-13.2	97.9	23	33	964	06	56	397	567
5	01	20	1259	09	30	355	904	10	30	89.7	05	04	13.9	75.8	22	56	1044	09	50	525	519
6	04	26	977	08	22	224	753	10	14	106.5	09	22	14.0	92.5	10	33	1094	07	53	430	664
7 D																					
8	02	55	1164	08	35	440	724	07	32	106.5	07	35	17.4	89.1	03	23	954	07	35	497	457
9 Q	00	31	891	18	40	842	49	16	40	50.1	23	35	32.1	18.0	05	50	884	14	55	837	47
10 Q	00	45	920	18	17	842	78	16	10	51.3	00	50	31.3	20.0	01	02	893	13	15	823	70
11	09	35	910	14	37	812	98	14	40	65.9	19	38	30.8	35.1	07	40	871	14	40	731	140
12	06	20	984	07	55	809	175	06	09	55.0	20	30	34.7	20.3	01	45	943	06	00	729	214
13	23	35	923	13	47	595	328	13	50	72.8	21	17	31.8	41.0	23	55	880	14	34	497	383
14	01	11	932	19	50	843	89	05	45	75.8	00	23	32.5	43.3	01	07	954	06	22	769	185
15 Q	00	42	898	14	00	840	58	16	20	52.3	22	13	34.5	17.8	00	40	860	13	57	790	70
16 Q	02	00	904	19	00	857	47	15	52	53.8	00	03	35.7	18.1	04	00	851	17	23	824	27
17	23	59	992	18	52	855	137	07	05	52.1	23	38	27.3	24.8	23	59	876	19	20	817	59
18	02	05	1031	10	35	157	874	07	21	108.4	07	02	18.4	90.0	10	23	1025	08	07	464	561
19															09	45	930	09	08	235	695
20	02	55	952	12	25	626	326	15	06	60.0	08	35	29.0	31.0	03	35	938	08	38	523	415
21	01	15	932	09	04	495	437	15	10	56.2	09	05	15.5	40.7	02	27	893	09	03	402	491
22 Q	05	10	897	10	30	819	78	15	50	56.5	20	38	33.3	23.2	04	47	853	11	05	757	96
23	11	57	905	19	53	830	75	14	08	54.0	23	12	28.8	25.2	24	00	854	11	00	782	72
24	23	51	948	12	30	688	260	06	05	64.7	12	23	26.3	38.4	02	47	907	12	30	743	164
25	01	36	1248	08	27	749	499	05	00	62.9	01	40	09.0	53.9	01	00	1016	08	18	458	558
26	22	55	1293	09	24	327	966	09	26	91.1	09	17	20.4	70.7	22	30	1000	09	15	330	670
27 D															20	25	960	00	20	336	624
28	23	20	1118	09	32	349	769	12	43	71.8	09	52	22.4	49.4	02	45	988	10	00	447	541
29	00	32	1100	09	22	242	858	09	02	99.5	09	30	00.6	98.9	01	45	969	08	52	369	600
30	03	00	1288	06	12	508	780	03	00	74.8	06	05	-1.8	76.6	09	15	949	09	49	508	441
31	02	00	1248	08	34	499	749	05	10	72.8	08	00	01.6	71.2	02	33	987	05	07	592	395
Mean			1069			568	501			73.9			17.4	56.5			948			554	394
No. days			28			28	28			28			28	28			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 21 Meanook H = 12,000 γ + June 1952

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	877	791	784	877	898	897	874	864	838	731	802	869	880	869	864	861	859	850	834	846	851	844	870	869	850
2	878	882	894	888	884	867	862	866	867	870	865	874	853	854	866	881	862	845	847	850	831	854	870	863	866
3	884	876	878	896	821	888	878	874	876	873	863	873	878	880	867	860	863	859	864	871	867	865	887	906	873
4	945	913	899	872	856	860	866	873	869	867	866	860	872	875	874	867	861	855	851	839	848	867	878	881	872
5	889	905	907	983	889	861	869	815	812	861	846	827	849	861	860	846	846	857	853	854	854	866	878	890	866
6 Q	899	913	883	878	874	881	873	868	845	867	885	888	888	888	882	871	869	863	856	862	863	858	874	865	875
7 Q	811	886	881	874	874	874	873	872	869	849	876	879	883	889	889	881	867	849	825	834	843	867	870	874	866
8	885	893	910	945	888	899	814	802	728	686	587	556	807	910	915	921	863	885	870	864	874	890	880	895	843
9 D	906	899	915	878	849	1009	862	884	851	838	773	806	860	792	673	782	874	853	862	866	862	870	854	902	855
10	912	909	886	889	882	886	854	840	845	863	840	860	862	801	821	848	871	867	856	842	853	856	880	940	865
11	898	892	893	877	879	884	855	772	865	869	839	854	869	867	864	867	893	888	878	862	863	857	837	874	867
12	882	879	889	871	872	882	870	824	883	867	871	876	863	846	887	879	882	882	861	860	859	851	863	867	869
13 Q	871	868	869	874	875	872	864	867	875	875	879	878	879	882	880	874	872	864	847	847	867	872	871	867	870
14 D	874	891	894	886	896	904	903	839	527	387	562	332	418	757	921	919	878	872	805	882	874	914	860	897	787
15	892	872	912	955	942	901	883	888	824	777	715	662	708	795	895	880	883	857	868	858	868	856	872	910	853
16	893	907	928	945	899	821	737	877	829	737	746	775	762	883	851	825	863	878	879	874	867	861	873	808	847
17	921	894	894	906	899	881	851	821	847	767	665	858	863	842	835	858	868	889	863	861	853	857	869	888	856
18	931	926	936	934	895	872	863	841	874	870	861	785	864	859	878	890	894	874	860	856	860	871	851	863	875
19	874	891	888	872	880	878	873	878	875	874	878	878	843	860	886	875	867	859	852	853	855	854	859	856	869
20 Q	867	888	880	880	874	872	873	874	872	877	881	882	871	875	878	879	873	867	841	835	834	860	879	887	871
21 Q	880	882	880	874	884	878	879	881	882	883	882	870	865	880	883	881	862	859	837	843	851	867	875	879	872
22	876	879	884	882	882	889	889	928	900	887	882	868	820	840	859	850	817	806	802	818	849	843	905	939	866
23 D	943	936	1108	986	948	982	832	817	745	752	705	487	394	546	821	872	901	887	879	871	894	887	950	936	837
24 D	943	1121	1146	1120	956	882	840	834	717	746	736	684	637	614	588	686	795	860	860	855	909	898	899	946	845
25	903	898	881	882	882	868	870	834	794	820	855	815	758	754	712	792	840	763	840	841	840	864	865	931	838
26	874	966	1028	946	905	910	905	905	883	879	934	709	836	811	762	853	871	876	866	872	864	851	849	853	875
27	878	893	900	915	919	897	800	795	853	847	802	862	836	802	845	844	845	877	880	845	859	864	896	922	862
28	879	894	873	860	865	868	870	870	872	873	849	756	830	880	879	883	876	872	865	868	858	869	865	869	864
29	878	884	883	872	875	876	875	876	829	864	873	873	873	872	880	876	875	872	871	869	887	887	954	1066	885
30 D	1053	1043	1127	1084	733	574	635	620	136	355	300	674	731	865	871	854	869	876	859	873	874	874	873	866	776
31																									
Mean	897	906	918	913	882	877	852	847	809	804	797	789	805	832	846	858	865	862	854	856	861	866	877	894	857

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 22 Meanook — D = 24° E + . . . ' — June 1952

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	35.7	36.1	38.2	36.8	35.9	40.1	43.2	39.2	35.8	31.5	36.7	44.2	46.1	47.7	48.6	49.3	48.7	45.6	40.8	35.2	32.8	32.8	33.5	34.5	39.5
2	35.1	35.8	41.7	38.2	49.1	43.2	38.1	38.8	38.1	38.7	40.3	45.2	46.6	52.5	53.8	52.5	51.1	48.8	45.6	38.8	31.3	33.4	34.8	34.8	41.9
3	35.6	36.6	38.8	41.7	40.4	40.7	39.2	38.6	39.6	40.2	41.3	43.4	45.3	46.5	48.6	53.4	50.6	48.0	42.7	37.3	35.2	35.2	32.5	32.8	41.0
4	33.3	33.3	35.3	37.6	39.2	38.8	39.2	40.0	40.3	38.2	39.4	40.3	45.1	47.3	49.9	49.0	47.2	47.1	43.9	38.7	34.5	33.8	32.3	31.3	39.8
5	30.8	31.9	31.1	29.5	36.3	37.8	38.7	34.1	44.3	38.1	39.4	43.3	47.1	48.1	50.1	48.7	44.7	43.2	41.7	37.8	32.2	31.4	32.3	32.5	38.6
6 Q	32.5	35.4	37.0	38.0	37.2	41.1	47.1	46.1	38.2	41.4	42.2	43.1	46.2	48.3	50.7	50.8	50.4	46.6	42.1	40.4	37.2	34.3	32.3	33.8	41.4
7 Q	35.2	37.0	41.9	43.6	41.4	40.7	38.4	39.2	41.0	46.1	41.6	44.7	46.3	48.3	51.5	52.1	51.1	46.9	39.7	31.9	27.9	25.8	27.8	28.5	40.4
8	29.3	30.3	28.6	28.9	34.3	37.0	43.7	36.7	48.3	52.1	52.5	57.5	50.8	48.7	53.0	52.9	54.0	47.2	40.8	41.6	29.9	30.7	28.3	32.8	41.2
9 D	36.1	39.7	36.0	38.8	37.8	51.1	58.0	37.2	46.1	42.2	39.6	47.1	48.5	54.6	52.1	42.0	49.0	48.7	44.9	40.8	34.7	33.5	33.3	31.9	42.6
10	37.4	36.4	35.2	43.5	48.5	41.8	45.0	40.0	43.6	43.7	39.2	42.4	48.5	45.3	47.0	46.3	47.9	48.8	45.6	40.8	39.4	39.8	32.9	35.7	42.3
11	36.7	35.1	36.2	37.8	39.2	50.7	47.0	33.9	43.8	42.4	40.4	44.5	47.6	50.0	49.6	49.7	50.4	48.3	46.0	41.9	39.6	35.3	33.9	32.9	42.2
12	34.5	40.8	37.4	39.7	39.6	40.7	40.2	38.1	42.7	35.9	39.7	41.6	41.4	43.7	47.2	48.6	51.0	47.1	44.3	39.0	37.0	35.8	34.8	34.8	40.6
13 Q	35.3	37.0	37.8	38.3	37.7	39.1	42.7	41.6	39.4	39.6	40.3	42.6	44.6	45.8	46.6	46.9	45.9	43.4	41.8	37.8	37.0	35.2	32.5	32.7	40.1
14 D	32.4	32.9	34.1	36.1	40.8	45.0	40.6	53.0	40.2	65.1	49.0	65.9	64.8	60.2	52.3	53.8	50.0	39.2	47.1	32.9	31.2	37.4	31.6	34.3	44.6
15	36.7	38.6	40.2	45.6	46.0	44.8	39.9	41.6	49.0	53.5	43.1	43.5	50.0	45.7	48.0	49.9	47.3	44.9	40.8	44.1	40.2	38.0	35.7	34.7	43.4
16	36.6	35.2	32.8	56.9	37.2	36.8	51.6	50.1	39.2	49.9	52.2	38.7	41.2	45.6	49.1	40.2	43.6	42.9	40.7	40.4	39.7	35.2	34.2	35.2	41.9
17	34.9	38.7	46.8	43.6	47.0	41.9	46.0	37.6	47.7	45.9	49.7	44.2	47.7	47.3	48.9	50.1	47.7	48.1	44.1	38.7	36.4	35.2	34.5	35.7	43.3
18	36.3	39.7	39.4	54.0	46.5	39.6	37.8	38.7	39.4	39.1	40.0	43.0	49.1	47.2	50.0	50.6	49.6	43.2	40.8	41.8	38.8	39.2	35.3	35.0	42.2
19	35.3	37.2	39.2	39.2	39.1	38.2	41.1	40.1	39.2	39.0	40.3	40.0	42.2	49.7	50.5	50.6	49.6	45.9	43.2	41.9	39.3	35.1	34.3	35.7	41.1
20 Q	37.2	37.7	39.0	40.7	40.2	40.8	39.1	40.2	41.1	39.2	39.3	40.8	42.3	45.1	45.9	49.0	48.6	46.6	42.8	37.3	33.7	33.2	34.1	35.0	40.4
21 Q	37.7	40.1	40.2	40.0	38.3	37.3	37.3	38.2	38.0	39.2	40.7	43.1	46.2	49.2	50.9	51.1	50.5	47.0	42.2	36.4	31.2	30.3	30.3	30.2	40.2
22	30.8	32.8	34.4	36.4	36.8	35.8	34.9	33.1	39.6	39.2	40.0	44.9	39.2	51.6	60.0	53.5	54.1	41.8	32.5	38.4	32.4	26.7	28.8	27.9	38.6
23 D	31.8	32.7	26.9	47.1	34.3	35.8	34.1	34.1	73.7	49.1	45.4	56.5	70.7	64.1	50.6	48.6	48.7	48.1	43.5	39.8	40.4	36.8	34.8	34.5	44.2
24 D	20.6	35.8	37.8	31.4	32.8	41.2	46.9	45.0	44.1	29.3	43.4	38.1	48.3	47.1	37.2	34.5	41.4	43.5	44.1	43.2	45.1	40.4	39.8	42.8	39.7
25	39.2	38.8	39.9	40.2	39.2	38.8	38.2	41.5	39.4	40.1	39.4	47.1	52.1	45.6	51.1	39.2	48.1	46.0	43.7	39.2	35.4	32.1	25.9	27.3	40.3
26	28.8	26.9	29.9	33.4	33.3	34.5	32.7	30.2	46.5	38.8	39.8	34.3	41.2	48.2	41.6	47.0	48.1	50.1	48.2	45.5	41.9	36.4	33.3	34.1	38.5
27	34.3	37.2	36.2	49.1	45.1	45.6	45.6	53.4	48.6	42.1	36.3	42.0	44.1	39.4	48.1	52.9	50.1	48.1	45.8	36.0	33.3	31.3	30.3	34.8	42.1
28	34.9	33.8	36.4	38.2	39.2	39.2	38.3	37.3	39.2	39.1	33.3	38.2	43.6	46.7	47.6	48.3	48.1	45.1	39.2	36.0	35.2	33.6	34.3	34.3	39.1
29	35.2	36.4	37.2	38.2	39.2	37.7	36.4	37.7	39.1	42.8	42.2	45.6	47.1	47.1	51.6	50.0	49.1	49.1	44.9	41.1	40.2	36.4	24.6	23.0	40.5
30 D	20.6	13.6	17.5	25.5	13.5	19.2	32.7	27.1	61.0	54.8	54.1	61.8	58.1	53.5	53.6	53.9	54.2	50.6	44.1	40.1	36.7	34.1	34.3	36.2	39.6
31																									
Mean	33.7	35.1	36.1	39.6	38.8	39.8	41.1	39.4	43.5	42.5	42.0	44.9	47.7	48.7	49.5	48.8	49.0	46.3	42.9	39.2	36.0	34.4	32.6	33.3	41.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 23 Meanook $Z = 58,000\ \gamma +$ June 1952

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	843	838	839	847	875	799	842	834	797	664	754	820	836	837	837	842	841	838	837	831	833	832	844	847	825
2	848	853	872	867	875	853	842	808	831	836	837	844	832	820	819	826	827	826	814	819	823	828	835	835	836
3	846	853	863	882	904	901	862	852	850	842	836	842	843	842	842	831	822	818	820	829	839	843	848	872	849
4	922	892	889	871	844	833	832	832	837	794	824	807	819	829	832	832	833	829	831	829	832	843	852	860	842
5	870	881	897	964	915	843	843	804	759	813	798	776	795	794	802	806	816	818	815	831	832	826	834	844	832
6 Q	867	881	857	855	853	843	823	798	793	804	841	839	839	841	837	832	826	828	813	813	816	820	824	828	832
7 Q	837	850	872	857	848	843	835	836	835	783	824	826	835	828	827	825	822	820	804	804	818	828	835	831	830
8	833	842	868	916	865	850	776	681	757	857	784	774	739	805	831	828	819	813	815	832	835	858	853	843	820
9 D	862	874	903	880	882	815	799	847	782	775	715	741	813	759	660	760	820	822	826	833	835	839	848	871	815
10	904	873	860	886	853	851	702	680	727	770	715	761	778	720	755	775	803	804	819	822	833	854	889	926	806
11	866	864	854	875	860	820	663	652	775	782	722	745	796	799	797	794	817	813	817	818	818	831	847	850	803
12	871	876	868	860	844	834	835	718	795	764	775	697	798	766	803	822	831	824	819	818	820	820	822	831	813
13 Q	832	832	832	833	835	842	815	786	822	826	832	826	826	824	825	820	824	820	819	818	820	831	833	833	825
14 D	833	836	842	844	855	843	864	769	497	787	877	861	501	581	809	837	799	798	831	864	833	844	866	879	798
15	850	838	857	909	876	887	860	837	709	593	775	692	672	710	820	822	822	816	822	822	837	829	846	876	807
16	872	865	895	890	841	687	632	764	684	690	767	732	727	795	792	784	808	816	826	824	832	837	838	844	793
17	866	871	863	872	805	836	777	681	728	737	674	770	803	806	793	802	809	819	822	822	820	831	833	844	804
18	886	932	918	887	820	858	839	831	829	820	808	683	776	810	824	837	842	833	813	813	818	837	838	833	833
19	837	841	843	842	843	841	837	820	816	819	826	827	783	784	809	820	816	809	800	808	818	827	833	837	822
20 Q	842	843	838	839	833	831	831	827	796	805	824	826	819	815	818	809	809	809	808	810	816	826	842	842	823
21 Q	841	843	843	832	828	826	827	827	824	822	816	813	788	808	812	809	807	806	806	808	805	809	818	826	818
22	831	828	825	822	826	832	836	825	806	822	815	804	724	742	739	768	785	780	797	813	835	874	879	887	812
23 D	911	904	907	919	904	918	864	807	798	667	785	757	581	587	732	805	855	843	831	820	842	871	933	899	822
24 D	880	915	850	882	915	692	652	737	664	570	707	671	641	543	598	619	755	808	825	835	871	863	853	873	759
25	842	843	842	837	836	787	810	758	648	684	728	680	639	653	648	727	764	786	804	807	809	838	850	875	771
26	875	893	942	899	876	864	843	825	783	824	851	727	799	751	699	809	828	831	815	818	831	826	824	826	827
27	842	844	861	868	877	871	722	648	748	747	718	765	787	754	785	788	787	808	822	819	831	833	854	882	803
28	837	842	838	820	823	822	824	819	824	819	761	664	722	798	810	828	831	824	826	826	817	817	817	817	809
29	817	826	837	835	836	835	833	837	737	765	782	798	809	809	809	808	808	808	797	807	819	832	899	944	820
30 D	921	887	920	610	818	788	758	1071	1154	1120	726	831	837	843	848	856	853	844	837	828	824	820	826	826	860
31																									
Mean	859	862	866	860	856	832	803	794	780	780	783	773	765	768	787	804	816	817	818	821	827	836	847	856	817

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook — June 1952

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	57	1107	09	20	639	468	05	37	51.6	05	18	15.5	36.1	05	00	904	09	22	598	306
2	02	45	909	20	15	823	86	04	40	56.0	20	25	28.3	27.7	04	05	915	07	17	776	139
3	04	45	944	22	00	829	115	15	22	54.5	23	32	30.3	24.2	04	48	938	17	12	813	125
4	00	37	959	19	47	831	128	14	30	51.1	23	58	29.7	21.4	00	25	932	09	20	748	184
5	03	45	1047	07	55	614	433	15	05	54.8	07	50	08.0	46.8	03	57	996	07	53	698	298
6 Q	01	05	946	09	00	831	115	06	13	53.5	00	10	30.7	22.8	01	10	904	09	02	779	125
7 Q	02	00	896	09	15	803	93	15	23	53.7	21	02	25.4	28.3	02	35	880	09	18	746	134
8	03	20	1001	11	00	240	761	11	15	81.5	21	46	22.6	58.9	03	21	982	10	49	600	382
9 D	05	25	1114	14	15	587	527	14	10	85.7	15	08	26.1	59.6	02	53	932	14	16	614	318
10	23	22	991	13	50	768	223	05	50	62.4	23	15	26.3	36.1	03	30	938	07	45	659	279
11	06	15	1058	07	25	691	367	05	37	68.4	07	13	09.5	58.9	05	33	913	07	05	508	405
12	00	27	918	07	40	797	121	16	28	55.0	07	40	30.3	24.7	01	08	887	07	37	664	223
13 Q	21	10	903	18	33	844	59	06	53	52.1	06	22	31.1	21.0	06	11	848	07	13	737	111
14 D	21	35	965	08	55	-002	967	09	32	109.9	08	55	15.3	94.6	11	34	1060	08	40	202	858
15	03	12	1095	11	35	545	550	09	50	64.1	23	56	31.5	32.6	03	38	993	08	43	536	457
16	05	35	1023	05	50	298	725	03	35	80.0	05	55	-14.2	94.2	03	08	965	05	58	414	551
17	00	20	945	10	15	422	523	04	01	61.0	07	35	24.8	36.2	03	45	904	10	12	547	357
18	02	08	972	11	28	734	238	03	55	68.9	23	16	33.5	35.4	01	27	949	11	40	633	316
19	02	00	926	12	58	826	100	13	55	53.5	21	55	32.7	20.8	02	00	860	13	00	750	110
20 Q	01	13	918	19	55	817	101	15	21	50.9	20	55	31.3	19.6	01	15	860	09	00	782	78
21 Q	02	03	893	18	12	836	57	16	00	53.7	20	46	29.8	23.9	02	00	848	12	22	782	66
22	07	43	1002	18	44	759	243	14	36	64.9	23	50	19.6	45.3	23	20	909	12	35	692	217
23 D	02	40	1276	12	10	284	992	13	22	110.9	13	30	14.5	96.4	22	49	999	12	33	414	585
24 D	01	55	1255	13	40	497	758	12	18	78.8	05	55	01.6	77.2	01	50	976	13	30	391	585
25	23	06	1015	12	47	616	399	14	00	73.3	22	38	22.4	50.9	23	45	910	12	45	558	352
26	08	00	1083	11	35	635	448	17	48	54.5	07	50	17.4	37.1	02	22	965	14	21	648	317
27	23	24	946	06	55	670	276	07	10	67.9	22	45	27.3	40.6	04	55	906	06	54	575	331
28	01	55	911	11	32	727	184	16	10	52.3	10	25	28.8	23.5	00	03	864	11	30	625	239
29	23	43	1150	08	30	817	333	14	47	53.2	23	45	15.0	38.2	23	45	1002	08	45	690	312
30 D	03	07	1220	08	28	027	1193	08	20	108.4	04	02	17.9	90.5	07	58	1473	05	38	380	1093
31																					
Mean			1013			627	386			66.2			22.1	44.1			947			619	328
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 25 Meanook $H = 12,000\ \gamma +$ July 1952

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	859	851	851	855	854	853	858	862	867	867	866	873	869	870	874	877	880	881	871	855	879	905	832	839	864
2 Q	828	843	858	963	871	865	863	870	858	751	850	881	885	892	887	887	883	874	857	849	841	842	845	853	858
3	853	868	865	865	873	874	858	865	869	871	873	874	873	860	826	855	880	861	857	856	840	858	876	873	863
4	884	880	876	873	871	859	873	880	865	833	818	849	833	853	880	896	888	888	862	851	858	851	871	887	866
5 D	922	871	876	907	1000	890	944	625	485	641	517	563	499	379	697	761	637	741	847	844	929	958	867	879	762
6 D	876	867	871	890	906	863	876	711	832	832	625	602	894	914	890	883	887	875	860	851	846	851	868	865	843
7	882	890	885	875	882	882	890	870	746	819	870	878	880	889	890	871	858	834	849	856	854	849	854	868	863
8	874	876	883	880	872	880	865	857	866	873	829	824	833	736	803	872	883	874	856	841	842	847	869	873	854
9 D	874	905	909	901	901	877	811	686	768	403	624	628	834	901	823	834	876	893	872	867	864	883	879	879	820
10	902	879	891	909	896	852	813	774	831	856	749	634	660	837	840	814	823	818	845	870	873	858	858	861	831
11	927	938	908	894	886	873	853	874	877	868	837	862	866	858	856	892	885	884	869	867	865	857	854	860	875
12	884	896	896	896	908	900	892	822	869	869	869	869	869	877	892	892	884	875	859	859	852	852	833	853	874
13	872	870	879	874	871	872	876	876	874	877	870	874	882	859	883	884	878	866	858	857	843	855	854	867	870
14	866	896	896	898	895	870	874	851	859	843	749	756	719	748	852	855	856	905	879	870	878	863	871	890	852
15	893	905	890	937	887	888	865	842	791	724	813	879	888	879	871	870	871	877	856	867	870	866	869	870	865
16	851	877	877	886	876	847	847	809	838	831	793	850	876	834	877	907	887	870	856	856	864	874	868	876	859
17	884	888	876	882	872	876	856	860											861	857	848	861	868	866	
18	872	872	882	889	888	881	877	887	885	792	827	834	866	872	877	884	890	876	850	834	837	846	856	850	864
19 Q	873	877	881	877	873	870	870	874	877	884	885	878	884	877	888	889	873	865	865	865	862	870	892	874	876
20 D	892	919	892	899	909	925	898	904	905	900	782	675	698	855	851	866	846	834	843	859	851	875	943	969	866
21 D	987	1072	994	1007	867	886	796	834	739	793	749	650	785	579	806	806	845	842	838	865	868	895	925	907	847
22	906	892	888	915	885	895	856	841	823	762	819	817	885	881	877	874	870	852	846	842	859	868	854	877	862
23	881	877	896	880	874	865	870	777	788	834	846	858	866	858	842	827	842	850	868	855	859	856	866	876	854
24	898	902	902	875	875	863	867	871											850	847	859	869	877	870	
25	870	869	864	869	869	874	876	877	877	866	838	862	861	870	866	874	862	848	851	846	863	884	870	909	867
26	926	902	948	895	863	874	823	846	868	844	809	854	834	831	864	874	871	865	861	859	853	850	854	869	864
27	885	885	865	866	863	866	870	870	870	874	873	865	853	878	881	889	878	862	855	844	840	853	875	872	868
28 Q	892	897	875	870	888	883	873	875	870	872	878	878	888	886	885	861	875	862	853	852	846	846	853	860	872
29 Q	869	872	872	869	869	869	869	869	869	871	873	874	877	876	880	882	881	869	858	849	851	850	864	874	869
30 Q	872	878	863	868	871	873	871	871	874	868	861	869	874	881	885	882	868	859	846	839	838	838	853	862	865
31	870	885	899	876	876	888	892	892	885	846	822	830	807	896	896	885	869	863	853	853	853	853	869	882	868
Mean	884	890	887	889	884	876	866	838	835	819	807	808	832	835	860	867	863	861	856	854	858	864	867	875	857

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26 Meanook D = 24° E + . . . ' July 1952

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	36.2	35.7	37.1	36.3	38.2	39.3	40.2	41.3	40.7	42.2	42.3	43.2	45.1	46.5	48.3	50.9	51.1	50.1	46.1	40.9	44.2	40.1	29.3	29.5	41.4
2 Q	32.4	34.3	37.1	38.3	37.2	36.8	38.2	40.8	40.2	43.0	42.2	43.1	42.3	46.6	49.1	48.7	48.6	46.1	41.8	38.1	35.6	32.9	32.7	34.7	40.0
3	37.8	39.3	39.4	39.2	40.2	40.2	46.1	40.3	39.3	38.8	39.2	39.0	42.8	43.6	47.3	50.1	50.2	45.5	41.0	35.8	35.7	37.8	37.6	37.8	41.0
4	39.2	40.3	40.9	41.2	42.8	47.1	42.2	38.4	35.9	44.0	43.4	40.9	44.6	45.8	48.3	47.1	44.6	43.4	42.4	42.7	38.2	31.8	29.5	29.7	41.0
5 D	30.3	30.4	34.5	37.1	41.3	31.3	32.3	41.2	51.1	68.3	44.1	48.6	39.3	33.2	45.1	47.6	52.5	59.0	48.3	36.1	42.8	43.6	29.7	30.8	41.6
6 D	34.5	36.3	38.7	36.3	54.5	50.0	41.2	58.4	42.8	43.4	55.7	47.1	41.6	42.2	48.3	50.8	49.6	47.1	42.3	41.1	37.2	36.2	34.4	33.5	43.5
7	35.8	37.8	40.3	43.3	47.1	41.7	46.2	39.2	25.3	35.2	38.6	39.2	45.6	48.9	49.1	48.3	49.7	47.7	40.0	38.0	36.2	35.7	35.8	38.7	41.0
8	39.8	39.7	40.2	39.3	39.2	46.1	52.1	46.9	44.2	38.3	38.2	43.6	52.1	52.5	56.4	52.9	51.0	45.7	42.8	36.4	34.7	34.8	34.2	33.5	43.1
9 D	34.8	35.9	43.4	38.4	37.8	38.4	56.9	55.7	43.4	-7.3	48.3	47.7	53.2	47.7	53.2	45.8	44.6	42.2	43.5	37.2	36.2	36.4	37.2	38.2	41.2
10	47.7	40.7	40.2	40.1	41.7	44.4	40.2	36.3	32.5	52.6	42.9	45.1	48.6	43.4	43.4	45.8	40.9	41.6	36.4	36.7	35.8	38.0	37.2	36.4	41.2
11	39.2	39.0	41.2	39.2	46.1	45.1	45.1	45.1	42.7	39.2	38.2	41.3	44.2	47.6	50.1	52.0	51.0	48.1	44.1	39.2	35.7	33.3	32.8	33.2	42.2
12	34.2	35.9	38.4	38.4	37.4	36.9	42.2	34.7	42.2	39.7	35.9	39.7	40.3	44.0	47.1	47.1	47.1	47.1	45.7	42.8	41.7	37.7	33.3	31.8	40.0
13	31.6	34.2	36.2	40.0	41.2	43.2	39.4	39.8	38.8	39.3	37.8	41.3	45.1	48.2	48.1	49.1	49.7	47.1	42.2	39.7	37.3	35.7	33.5	33.4	40.5
14	34.0	35.8	41.4	37.8	41.0	49.0	44.2	42.7	49.6	44.6	33.7	33.3	44.6	38.2	48.6	49.0	47.0	44.1	43.5	37.2	36.3	34.3	34.3	31.3	40.6
15	35.2	33.8	36.2	43.2	47.9	43.2	46.1	40.3	45.3	53.0	47.3	42.2	46.1	48.5	51.5	50.3	49.3	46.7	40.2	36.4	36.7	36.9	36.2	35.7	42.8
16	34.3	36.2	40.7	47.5	38.8	38.7	44.3	44.0	42.2	39.2	32.3	40.6	44.2	37.8	46.0	49.6	49.6	47.7	41.3	39.4	35.9	34.2	34.7	34.7	40.6
17	35.9	38.4	39.1	40.9	42.2	35.9	43.4	40.0	40.9										37.8	36.7	34.8	36.4	35.2	34.3	
18	36.0	37.2	39.2	47.1	46.5	38.1	36.4	36.2	41.2	39.9	44.0	45.8	47.7	54.0	55.2	56.0	51.6	49.1	44.0	40.3	37.0	35.7	34.7	34.2	42.8
19 Q	35.4	37.0	37.3	38.2	39.1	38.3	40.0	39.9	39.8	39.2	37.9	39.2	40.9	44.2	47.1	48.2	49.1	47.9	42.7	39.3	36.4	36.2	35.2	34.3	40.1
20 D	34.3	34.3	33.3	31.0	36.0	29.7	34.5	36.2	37.8	40.1	35.2	73.8	66.1	62.9	63.9	60.1	50.3	48.6	48.4	37.7	34.4	30.2	26.2	30.0	42.3
21 D	27.9	33.2	30.1	30.3	40.3	38.2	47.7	41.2	39.3	39.1	36.6	18.4	54.0	46.5	46.1	47.0	47.0	48.0	45.5	42.3	38.0	39.0	35.2	31.2	39.2
22	36.2	31.2	32.3	49.1	42.7	36.7	36.2	42.0	46.5	41.2	43.8	38.6	44.6	48.1	51.5	52.0	49.3	46.7	42.8	39.3	40.1	40.6	35.7	35.2	41.8
23	35.7	34.7	36.2	47.7	39.2	40.1	39.2	26.6	47.1	39.7	35.9	39.7	44.6	48.3	48.3	49.6	49.6	45.8	44.1	39.2	38.2	36.2	33.8	32.3	40.5
24	36.2	37.2	38.4	39.7	37.2	42.2	37.2	36.6											39.6	36.7	35.8	31.3	30.3	34.1	
25	35.4	36.7	38.2	38.4	38.2	39.2	39.2	42.8	39.7	37.2	36.2	40.4	42.6	42.6	48.1	52.3	51.9	49.9	45.0	40.7	38.7	35.7	34.5	33.2	40.7
26	38.2	34.9	40.7	46.3	36.6	38.2	31.5	37.6	45.7	37.3	31.8	40.8	45.9	42.2	43.8	49.3	50.9	48.3	41.7	37.2	34.3	32.4	32.3	33.8	39.6
27	35.0	39.8	38.3	37.7	38.6	39.2	39.2	39.2	39.2	39.2	40.0	42.2	45.2	49.1	51.1	51.5	52.0	48.0	42.6	38.2	33.9	28.8	27.3	32.1	40.3
28 Q	33.3	32.3	33.8	35.6	37.6	36.0	37.2	38.0	39.8	39.2	42.2	42.2	44.5	45.7	47.0	48.7	51.5	50.6	45.6	41.2	37.7	35.3	36.0	37.2	40.3
29 Q	38.4	39.7	40.2	40.2	40.1	40.1	39.2	39.3	39.2	40.2	40.8	41.7	42.4	44.1	46.1	46.1	45.3	43.4	41.9	38.8	35.1	32.2	30.3	32.5	39.9
30 Q	36.2	37.2	37.8	38.1	37.8	38.2	38.2	39.3	39.0	38.9	39.1	40.8	44.0	46.5	48.1	51.0	51.1	50.6	45.3	38.1	34.3	32.3	32.8	34.5	40.4
31	36.4	34.8	32.7	35.7	35.8	36.1	36.0	41.9	71.8	60.5	51.1	54.0	56.5	49.1	49.1	48.6	48.1	42.3	40.7	37.8	34.2	32.2	34.5	36.2	43.2
Mean	35.7	36.2	37.8	39.7	40.7	40.0	41.1	40.9	42.2	40.9	40.5	42.5	46.2	46.1	49.2	49.8	49.1	47.2	43.2	38.9	37.0	35.4	33.5	33.8	41.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Meanook $Z = 58,000\ \gamma +$ July 1952

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	832	837	842	838	837	836	836	836	835	836	832	836	833	835	832	832	832	822	809	805	810	825	826	826	830
2 Q	826	827	833	836	839	844	839	839	809	671	765	826	838	843	843	832	832	829	826	825	822	823	823	823	821
3	832	842	843	832	828	832	818	831	828	826	829	831	825	800	744	754	788	798	804	820	820	837	843	837	818
4																			804	808	818	825	831	841	
5 D	854	860	848	877	897	767	808	596	698	895	860	848	719	643	643	760	710	773	893	895	913	891	891	873	809
6 D	860	853	842	863	803	742	815	553	631										819	820	820	836	844	843	
7	850	863	860	850	835	818	826	799	625	698	778	812	824	832	832	819	815	810	804	822	820	820	826	831	811
8	838	836	837	838	848	832	765	758	783	810	726	726	758	676	686	739	776	797	806	815	817	822	838	850	791
9 D	846																		807	839	839	857	846	851	
10	871	846	805	754	747	746	779	663	587	571	726	761	729	753	803	803	793	798	794	803	804	816	833	851	768
11	910	914	882	870	746	787	813	802	819	805	780	812	826	813	798	816	820	822	817	817	820	824	825	826	824
12																			808	809	808	817	815	817	
13	824	824	824	824	825	824	824	823	819	817	775	776	806	794	785	779	794	786	782	794	800	810	815	826	806
14	832	844	892	875	879	824	804	798	779	753	707	647	634	703	742	792	787	819	815	817	826	816	824	833	793
15	860	860	848	892	832	864	804	738	715	579	703	795	835	818	790	798	805	808	793	784	798	813	828	858	801
16	854	846	851	848	828	776	792	735	766	748	644	737	768	744	783	809	820	815	808	809	809	815	815	815	793
17																			786	790	798	815	817	826	
18	832	832	835	850	826	847	847	831	818	768	774	741	778	788	798	792	796	798	804	806	805	813	824	822	809
19 Q	826	820	824	823	824	818	816	816	815	815	810	805	806	794	806	806	810	808	804	807	806	807	822	822	813
20 D	837	863	844	845	866	894	845	822	824	826	813	682	658	750	748	777	785	782	776	789	789	814	894	910	809
21 D	915	938	916	826	816	862	788	592	623	746	698	564	701	726	692	676	802	806	804	827	841	865	886	865	782
22	887	848	846	839	810	851	765	729	692	701	882	782	826	818	815	809	804	806	793	798	815	836	831	842	809
23	833	824	835	825	828	826	828	715	757										798	795	804	820	832	828	
24	848																		793	798	804	812	824	839	
25	825	814	810	814	814	814	827	826	814	793	739	769	775	803	807	822	815	825	829	818	842	857	846	860	815
26	891	862	886	855	845	846	677	703	775	789	726	779	771	773	798	817	815	813	804	803	794	806	806	810	802
27	824	836	825	819	814	813	814	814	810	809	809	804	779	793	797	804	803	809	794	789	792	807	836	855	810
28 Q	832	831	831	831	843	831	813	807	804	803	795	807	810	809	809	805	809	810	808	799	802	802	808	810	813
29 Q	815	815	815	815	810	812	809	809	809	809	808	808	809	808	808	807	797	793	793	793	794	802	813	813	807
30 Q	815	823	822	818	815	815	815	815	814	807	786	794	804	806	815	812	804	798	793	793	793	802	800	806	807
31	814	815	816	820	809	809	814	737	681	642	700	635	686	779	813	819	802	814	810	815	819	831	831	844	781
Mean	846	846	843	837	826	823	806	772	764	762	769	766	775	779	783	795	801	806	807	810	815	823	833	838	805

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook — July 1952

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	21	30	1078	23	11	809	269	21	32	56.5	23	54	26.1	30.4	21	30	865	21	43	770	95
2 Q	03	13	901	09	30	639	262	09	10	60.2	00	08	31.1	29.1	07	10	854	09	30	531	323
3	22	22	904	14	32	763	141	14	38	53.0	19	43	31.1	21.9	22	12	848	14	32	703	145
4	15	33	927	09	03	763	164	05	00	64.4	22	50	27.3	37.1							
5 D	18	55	1134	13	30	196	938	09	35	121.8	07	45	-16.2	138.0	09	16	1143	08	10	391	752
6 D	07	02	968	10	42	461	507	07	34	84.2	08	50	29.9	54.3							
7	01	00	919	08	33	669	250	06	40	54.0	08	33	10.5	43.5	01	50	882	08	33	492	390
8	05	35	911	13	33	642	269	13	27	69.4	21	13	32.3	37.1	05	35	884	13	43	605	279
9 D	02	20	928	09	27	207	721	06	55	87.2	09	33	-29.1	116.3							
10	05	37	940	11	00	478	462	12	15	64.4	11	02	01.6	62.8	00	30	902	03	00	358	544
11	04	18	1142	04	50	697	445	04	30	73.0	05	17	14.5	58.5	02	00	960	04	45	736	222
12	05	00	955	07	23	752	203	16	45	49.3	07	15	28.3	21.0							
13	03	02	898	20	12	818	80	16	40	55.0	00	30	30.8	24.2	03	00	835	11	00	737	98
14	17	47	929	12	25	675	254	05	06	55.5	11	33	28.3	27.2	02	42	911	12	23	547	364
15	03	42	988	09	25	688	300	09	02	73.8	01	15	31.3	42.5	03	43	935	09	13	527	408
16	15	25	907	07	35	756	151	06	27	53.5	05	36	24.6	28.9	00	01	873	10	05	603	270
17																					
18	08	03	904	09	30	736	168	14	50	57.5	07	55	27.8	29.7	03	50	860	11	20	710	150
19 Q	22	29	909	19	17	850	59	16	43	50.9	21	55	34.1	16.8	22	30	832	13	30	782	50
20 D	23	58	1029	11	50	511	518	11	48	95.6	22	25	19.8	75.8	23	00	951	11	48	503	448
21 D	03	49	1243	13	00	211	1032	13	02	109.4	11	10	-22.6	132.0	01	20	982	11	05	391	591
22	00	49	944	09	40	659	285	03	55	62.7	07	20	24.9	37.8	03	10	904	09	32	623	281
23	02	45	916	07	47	706	210	08	02	54.2	07	20	15.0	39.2							
24																					
25	23	24	963	10	23	815	148	15	28	55.8	23	12	28.5	27.3	23	58	882	10	43	715	167
26	02	29	1150	06	42	766	384	03	04	61.9	06	13	17.4	44.5	02	25	1004	06	43	592	412
27	15	30	900	19	27	832	68	16	10	54.8	22	50	23.4	31.4	23	23	882	12	40	754	128
28 Q	01	49	912	21	00	827	85	17	12	53.0	01	52	28.8	24.2	04	30	860	10	00	776	84
29 Q	15	55	883	19	38	840	43	16	03	47.1	22	43	29.8	17.3	12	20	815	17	20	793	22
30 Q	14	55	892	21	15	832	60	17	25	52.1	21	30	31.3	20.8	01	55	826	10	50	776	50
31	02	10	916	12	12	775	141	08	21	86.5	21	08	30.3	56.2	23	07	860	11	40	570	290
Mean			965			668	297			66.1			20.4	45.7			898			624	274
No. days			29			29	29			29			29	29			24			24	24

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Meanook $H = 12,000\ \gamma +$ August 1952

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	873	870	881	876	871	897	889	847	882	874	868	848	856	902	901	893	885	860	849	849	832	849	858	876	870
2	891	880	860	863	873	880	879	860	857	867	836	862	888	904	904	905	880	864	840	865	868	855	864	884	872
3 D	871	878	886	915	988	936	853	786	719	663	722	835	788	685	825	841	864	849	850	863	867	860	871	878	837
4	889	891	889	866	864	864	850	751	847	825	826	825	879	887	884	853	862	881	843	839	853	833	843	886	855
5	886	889	885	883	872	859	864	838	691	696	757	856	901	894	883	856	832	808	827	843	846	856	878	864	844
6	918	1038	1007	1058	879	730	847	462	512	687	730	800	861	861	861	856	847	844	840	846	857	864	867	911	833
7	924	919	884	892	863	865	876	790	740	816	833	849	793	878	864	880	866	846	842	837	849	849	864	868	854
8	876	888	872	872	884	889	836	877	826	837	865	841	794	779	871	891	875	850	847	837	839	847	857	867	855
9	878	878	879	871	871	871	871	871	878	871	873	867	856	859	871	875	867	836	827	827	832	841	871	859	862
10	899	1005	989	949	942	899	903	880	871	799	757	601	576	662	793	861	867	874	878	874	875	878	884	878	850
11	869	894	896	889	871	879	870	868	871	856	801	739	874	890	882	884	879	862	868	861	870	884	878	871	867
12 D	899	999	886	866	889	882	878	854	829	759	756	747	862	856	853	879	749	878	863	833	828	855	861	882	852
13	881	866	869	871	871	871	873	873	875	871	846	833	864	849	865	855	858	859	865	864	862	862	858	862	863
14 Q	868	860	882	874	879	870	874	874	870	871	874	856	832	875	878	877	870	857	875	863	862	871	882	890	870
15	894	897	893	883	882	882	882	882	882	882	877	876	871	871	867	885	879	859	837	833	849	851	857	878	873
16 Q	903	869	888	889	910	910	886	878	874	871	870	873	875	877	878	871	857	848	831	834	837	846	861	874	871
17 D	878	889	891	877	885	888	891	943	977	846	779	530	769	915	900	857	836	836	826	820	820	878	882	892	854
18 D	928	926	913	901	944	886	880	925	804	869	882	854	777	804	859	857	833	781	825	859	861	861	875	903	867
19	878	897	890	878	889	863	878	872	807	803	871	862	880	875	862	846	810	826	843	845	859	871	880	885	861
20	880	893	885	885	887	860	832	830	825	769	685	563	799	880	895	880	862	842	830	835	846	865	886	890	838
21	888	895	895	889	888	888	883	881	882	892	902	904	899	901	894	875	857	845	853	850	857	871	874	888	881
22	880	883	872	876	872	877	884	888	882	885	888	882	886	895	891	882	860	849	844	858	867	884	868	867	876
23	885	953	915	864	866	871	877	884	885	891	891	893	897	895	885	874	866	851	839	847	849	860	876	883	879
24	891	892	893	886	884	886	888	888	886	865	907	891	890	893	965	870	854	839	832	832	836	844	855	858	876
25 Q	869	868	876	877	868	879	885	885	884	892	892	885	889	893	892	886	871	853	832	832	840	847	864	870	872
26 Q	871	875	874	871	874	881	883	885	885	887	894	890	903	906	900	885	871	861	838	851	866	869	873	873	878
27	870	877	879	874	876	884	871	649	775	860	811	852	873	889	894	878	857	849	849	858	861	864	866	863	853
28 Q	870	864	866	871	882	878	869	870	876	865	870	873	881	879	878	870	857	839	836	844	844	847	854	862	864
29	870	866	863	861	863	864	871	869	876	876	878	878	883	882	874	819	825	837	829	826	840	845	902	923	863
30 D	946	1073	1151	1238	904	952	887	929	961	911	886	899	901	899	864	869	858	860	860	847	843	854	869	868	922
31	868	872	875	860	880	869	873	854	807	786	729	715	871	887	887	868	852	837	826	823	845	879	864	915	848
Mean	887	905	899	898	886	878	874	847	840	837	834	822	851	865	878	870	855	848	843	845	850	859	869	880	863

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30 Meanook — D = 24° E + . . . ' — August 1952

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	39.2	40.2	42.3	58.5	46.6	40.0	44.6	55.5	45.7	40.2	40.5	45.1	46.1	50.1	50.6	52.1	50.3	46.4	43.5	41.2	34.3	31.7	32.3	33.3	43.8
2	33.4	35.8	38.2	38.0	37.2	44.1	40.1	39.8	43.1	45.1	38.7	42.3	45.1	47.0	50.1	52.3	53.2	50.7	38.2	32.8	32.3	33.3	35.2	36.2	40.9
3 D	37.8	38.2	38.3	39.0	44.7	46.7	46.7	42.2	44.9	51.0	53.0	47.0	45.1	44.9	49.1	52.5	49.1	44.1	38.8	31.6	32.8	32.1	32.8	36.2	42.4
4	38.8	42.7	43.2	40.7	39.2	46.2	52.5	44.3	44.3	39.0	36.8	36.2	43.6	51.1	52.5	53.7	48.7	45.2	41.7	36.8	40.2	30.0	30.3	30.5	42.0
5	38.2	35.3	36.4	38.7	58.0	41.2	44.0	38.3	28.5	41.6	37.4	34.7	43.2	48.3	50.1	51.1	47.1	39.2	28.8	29.9	31.3	31.8	31.8	36.0	39.2
6	36.4	38.2	45.0	35.2	43.0	45.6	44.9	42.0	51.1	47.1	39.8	33.2	42.2	50.3	52.0	50.5	48.6	44.7	40.9	36.7	36.7	35.4	35.3	37.4	42.2
7	40.6	43.2	41.2	38.8	43.6	43.8	40.2	43.5	35.0	48.3	39.4	37.8	36.5	47.1	54.2	55.5	52.9	47.0	42.0	37.0	34.1	32.8	34.7	36.7	41.9
8	39.7	38.3	40.2	39.2	41.7	47.1	39.7	41.7	38.8	47.9	41.0	39.9	40.2	41.7	48.6	52.5	52.1	49.1	44.1	40.4	33.8	34.1	35.0	36.2	41.8
9	38.2	38.7	38.7	39.7	38.8	38.7	38.7	41.2	38.7	38.7	39.1	38.3	40.6	43.2	46.1	49.6	50.6	48.7	45.6	38.2	31.5	30.3	28.8	29.3	39.6
10	32.1	35.2	28.3	33.1	38.3	42.2	43.2	37.4	39.2	39.2	39.2	58.5	37.0	59.2	49.1	56.5	57.0	46.0	45.6	43.6	39.4	37.4	35.2	34.1	41.9
11	35.1	37.0	43.2	41.2	41.7	41.5	40.2	41.8	39.6	41.4	42.0	45.9	49.5	45.3	52.1	49.6	48.6	45.6	41.0	36.2	31.8	30.5	30.1	31.5	40.9
12 D	32.5	46.6	39.2	34.8	47.1	47.6	41.7	41.2	41.2	44.6	47.6	48.7	42.8	47.7	46.7	47.3	41.0	39.4	41.4	40.4	35.1	37.2	34.5	36.7	41.8
13	38.2	39.2	40.2	41.0	45.9	49.5	43.2	39.7	39.2	39.2	35.6	35.2	40.7	40.2	46.0	47.1	46.5	43.9	40.3	36.4	36.1	35.8	35.8	37.4	40.5
14 Q	39.0	40.1	40.4	39.4	41.2	50.5	39.7	38.3	38.7	39.8	40.2	37.9	36.9	44.1	48.2	50.0	47.9	45.2	41.6	38.0	35.3	36.9	37.2	38.2	41.0
15	39.2	40.3	38.3	39.2	38.6	37.6	37.8	38.2	38.7	39.9	41.0	41.2	42.2	43.2	41.0	48.7	50.1	49.3	45.7	38.3	35.8	31.9	32.2	35.4	40.2
16 Q	34.4	37.8	38.1	33.4	32.1	37.7	37.9	36.1	36.3	37.8	38.8	40.5	42.8	45.3	47.6	48.7	48.6	46.1	41.2	34.4	30.1	29.9	32.9	36.8	38.6
17 D	39.2	39.2	37.1	36.4	36.4	35.8	33.9	31.3	46.0	55.0	51.6	48.6	48.6	54.0	60.2	60.0	55.0	50.1	43.7	38.4	32.4	31.8	31.4	33.5	42.9
18 D	32.4	43.9	32.9	42.6	42.7	48.1	36.2	34.3	29.3	35.5	37.8	39.1	37.4	43.6	54.0	56.0	55.4	48.6	30.8	30.3	30.9	30.4	33.4	35.3	39.2
19	35.3	35.7	47.7	43.8	42.7	43.6	38.9	35.8	27.3	22.9	40.6	41.2	44.5	47.1	49.9	50.6	42.6	37.7	35.2	33.8	32.9	33.9	36.1	37.3	39.0
20	38.8	39.9	49.1	48.3	40.7	69.7	58.0	49.9	36.4	40.7	36.9	36.3	40.8	53.2	52.9	53.8	54.2	49.1	41.1	33.8	31.1	29.8	29.3	33.3	43.6
21	33.5	31.8	35.2	34.3	36.9	37.2	37.2	37.8	38.4	39.1	39.0	42.2	45.8	47.6	51.3	54.0	52.1	45.6	39.6	34.5	32.3	32.1	33.3	34.1	39.4
22	36.6	37.1	37.4	36.4	37.7	37.7	37.6	37.8	39.7	41.9	45.6	45.2	48.1	49.1	50.1	50.6	49.9	44.1	38.4	36.3	34.1	33.8	33.7	32.8	40.5
23	29.1	36.2	38.2	34.9	36.3	36.3	36.4	37.4	39.4	42.2	42.1	43.6	45.6	48.6	50.6	52.5	51.6	45.3	38.4	35.4	33.3	32.1	31.1	34.7	39.6
24	36.0	42.8	37.7	38.2	38.2	38.2	38.2	40.9	37.2	43.2	43.2	47.1	49.6	51.1	53.0	55.2	53.0	48.1	40.7	32.8	30.8	31.8	34.3	35.4	41.5
25 Q	36.6	37.2	36.3	37.2	36.4	36.2	38.0	34.9	35.6	36.6	38.2	39.2	41.8	44.5	45.1	45.1	44.6	40.0	36.2	32.3	31.8	31.5	33.5	36.6	37.7
26 Q	38.2	39.2	38.4	39.6	37.2	36.4	37.3	38.5	40.2	38.3	41.6	40.4	43.6	45.5	47.3	48.3	48.6	46.9	42.8	35.7	34.7	32.3	32.8	35.2	40.0
27	37.7	38.2	39.0	38.7	39.6	38.7	37.9	31.4	52.5	41.2	33.8	38.7	44.0	48.1	48.1	49.1	45.7	40.8	36.6	33.5	34.3	35.2	35.2	37.2	39.8
28 Q	38.6	39.7	39.4	41.9	44.6	41.9	39.7	40.7	39.2	38.6	39.2	40.7	42.2	42.7	44.3	46.1	45.9	43.5	36.7	34.7	32.9	32.9	33.5	36.7	39.8
29	37.7	37.8	38.8	38.7	37.8	38.5	38.2	37.3	39.4	39.3	39.4	40.2	42.4	45.4	45.7	46.4	39.7	32.9	36.8	31.8	30.0	28.8	29.2	27.0	37.5
30 D	20.4	22.9	31.1	28.0	20.4	33.5	37.2	40.2	29.8	35.2	39.9	40.7	42.6	45.6	48.9	52.7	50.2	44.6	37.2	39.6	36.2	34.3	34.5	36.9	36.8
31	39.2	40.8	40.2	43.2	48.6	40.5	38.2	39.4	34.5	47.6	34.7	25.4	45.3	48.1	51.9	51.0	48.7	45.7	40.7	35.7	34.6	32.7	29.9	26.9	40.2
Mean	36.2	38.4	39.0	39.1	40.4	42.3	40.6	39.6	39.0	41.2	40.4	41.0	43.1	47.2	49.6	51.3	49.3	45.0	39.8	35.8	33.6	32.7	33.1	34.7	40.5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Meanook $Z = 58,000\ \gamma +$ August 1952

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	832	832	848	853	814	854	826	789	804	799	798	750	734	810	816	889	808	795	793	802	802	804	813	826	812
2	844	857	844	824	831	835	799	794	761	760	741	712	761	794	816	816	809	807	792	803	808	815	815	832	803
3 D	826	825	824	836	860	882	871	852	815	725	750	786	802	758	732	748	790	820	818	809	813	837	837	836	810
4	862	860	866	831	826	818	732	650	738	732	742	765	818	815	813	789	795	797	793	806	832	835	837	868	801
5	880	873	855	854	839	809	793	768	642	648	657	748	806	809	806	792	794	784	777	786	793	804	810	819	789
6	852	926	910	924	770	717	788	726	648	620	684	703	768	776	793	793	807	802	802	804	807	809	813	853	787
7	891	906	863	854	832	819	822	748	558	676	721	764	726	793	795	787	798	798	804	809	817	820	835	838	795
8	843	843	828	826	826	787	692	793	709	686	744	776	745	759	799	807	807	808	815	808	815	804	813	815	790
9	813	815	814	819	815	815	812	807	788	799	802	802	802	779	788	798	805	798	802	804	803	807	824	832	806
10	850	932	932	938	944	899	876	826	806	726	719	676	586	634	730	779	770	773	797	818	826	833	836	850	806
11	860	862	876	865	873	854	837	828	816	780	677	642	764	813	804	806	804	793	795	794	792	798	803	820	806
12 D	853	893	848	826	828	785	793	784	754	687	631	553	720	738	770	799	761	779	786	804	824	835	826	826	779
13	817	815	817	824	820	790	765	793	802	797	750	741	783	779	795	788	790	798	799	809	814	818	815	815	797
14 Q	820	822	820	820	820	819	804	804	806	806	806	777	750	783	793	803	802	794	793	793	802	804	804	809	802
15	815	820	824	826	815	809	798	804	804	804	804	805	804	804	804	792	794	793	793	793	797	800	798	807	804
16 Q	820	809	819	832	887	887	842	818	815	804	808	819	819	815	810	804	803	802	795	803	804	808	809	809	818
17 D	813	813	809	807	806	825	815	837	715	748	856	757	804	846	824	782	797	804	802	813	862	851	835	837	811
18 D	865	871	866	871	882	846	806	692	650	760	806	770	681	681	742	798	797	788	782	786	797	799	837	875	794
19	832	829	842	838	829	719	805	805	746	650	753	804	810	812	804	787	775	787	798	799	808	814	826	828	796
20	828	841	858	832	833	742	653	737	744	631	552	599	712	782	815	806	794	795	798	802	807	818	833	842	769
21	828	834	855	843	832	824	810	815	807	804	809	815	810	813	809	804	805	804	802	802	806	807	807	807	815
22	805	804	802	799	802	802	804	809	808	807	798	810	798	804	804	802	800	798	792	800	802	802	810	822	804
23	838	924	904	834	812	800	798	800	803	782	798	804	809	808	805	799	797	797	797	799	800	800	804	815	814
24																			798	798	808	814	815	814	
25 Q	804	814	808	815	816	820	815	809	804	816	813	813	815	815	815	813	805	798	793	796	809	809	816	817	810
26 Q	816	815	820	826	819	813	810	814	806	793	792	794	797	806	806	808	807	804	793	800	810	818	818	818	808
27	815	826	837	839	841	831	804	486	574	755	699	737	792	803	815	814	803	804	804	807	806	816	819	815	781
28 Q	816	820	818	826	805	827	815	831	815	810	813	816	820	819	819	816	809	809	800	810	813	819	818	818	816
29	820	825	822	833	825	813	804	795	804	808	800	807	813	808	799	788	776	777	798	814	826	865	899	922	818
30 D	938	948	820	581	625	750	742	766	865	851	842	848	843	842	842	826	832	843	843	841	847	854	846	831	819
31	826	832	842	854	837	864	848	835	779	757	728	701	779	835	832	825	828	827	832	836	848	864	865	889	823
Mean	837	850	843	832	825	815	799	780	759	754	756	756	776	791	800	802	799	799	800	805	813	819	824	833	803

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook — August 1952

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	06	12	945	07	24	815	130	03	40	67.7	21	53	30.4	37.3	03	06	880	12	02	683	197
2	14	32	911	10	56	779	132	15	00	55.2	20	21	29.8	25.4	01	31	870	10	58	571	299
3 D	05	00	1016	09	52	638	378	15	07	60.6	19	15	28.8	31.8	05	35	904	14	45	706	198
4	23	55	921	07	05	697	224	06	00	68.7	21	59	26.3	42.4	23	59	913	07	06	569	344
5	00	10	925	09	06	570	355	04	25	63.8	08	01	21.2	42.6	04	09	906	08	37	594	312
6	03	37	1148	07	50	270	878	07	58	110.4	11	42	15.0	95.4	03	30	984	09	42	550	434
7	01	00	958	08	30	006	952	08	17	64.1	08	55	15.5	48.6	01	00	939	08	22	402	537
8	05	38	923	12	50	722	201	09	14	58.4	05	54	28.3	30.1	00	17	862	08	53	601	261
9	23	05	889	19	00	818	71	16	32	53.8	22	00	27.3	26.5	23	17	837	14	02	765	72
10	01	27	1094	12	25	443	651	11	50	108.4	02	16	20.4	88.0	04	02	978	12	50	525	453
11	23	53	945	11	21	702	243	12	05	55.2	22	34	27.3	27.9	04	10	897	11	42	616	281
12 D	01	34	1100	09	16	702	398	01	42	63.9	01	10	25.1	38.8	01	25	970	10	58	483	487
13	06	08	910	11	53	793	117	05	45	59.0	10	55	30.3	28.7	03	41	837	10	54	695	142
14 Q	05	36	901	12	12	815	86	05	33	56.2	12	10	31.8	24.4	05	38	838	12	28	726	112
15	23	50	905	19	25	831	74	15	57	51.3	21	36	29.6	21.7	02	37	837	19	00	784	53
16 Q	05	02	956	18	47	823	133	15	34	50.0	04	31	25.9	24.1	04	54	944	09	50	790	154
17 D	08	16	1003	11	45	370	633	14	42	68.9	20	12	21.4	47.5	11	05	954	11	49	657	297
18 D	04	44	1022	12	36	705	317	15	00	58.1	08	04	23.6	34.5	03	13	975	07	59	593	382
19	05	24	934	09	00	699	235	05	10	59.1	09	07	16.7	42.4	02	35	881	09	09	572	309
20	08	19	945	11	44	364	581	05	40	96.6	10	28	14.7	81.9	02	22	881	10	06	430	451
21	11	31	928	17	21	837	91	16	35	57.2	01	15	30.3	26.9	02	33	871	18	49	794	77
22	21	17	906	18	30	838	68	16	30	54.5	23	57	30.0	24.5	23	59	836	18	00	787	49
23	01	32	1040	17	28	814	226	15	52	56.5	01	15	25.2	31.3	01	32	977	09	29	753	224
24	09	46	1018	09	02	782	236	15	13	57.0	08	52	22.4	34.6							
25 Q	09	30	911	19	05	830	81	13	43	47.1	08	35	30.3	16.8	09	25	835	08	41	779	56
26 Q	11	36	910	18	28	833	77	16	15	51.7	21	25	30.3	21.4	03	13	828	09	51	774	54
27	14	18	906	10	32	413	493	07	55	77.0	07	20	02.6	74.4	04	16	852	07	28	380	472
28 Q	05	51	893	17	26	827	66	04	03	59.5	21	30	31.3	28.2	07	04	852	04	17	792	60
29	23	25	950	15	51	786	164	15	13	49.6	20	12	21.9	27.7	23	59	948	15	52	758	190
30 D	03	17	1387	06	17	716	671	02	58	66.9	04	37	-6.3	73.2	01	08	993	04	14	437	556
31	23	40	950	10	32	614	336	04	10	64.9	11	34	17.9	47.0	23	59	938	10	28	625	313
Mean			973			673	300			63.6			23.4	40.2			901			640	261
No. days			31			31	31			31			31	31			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 33 Meanook H = 12,000 γ + September 1952

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	890	998	923	1135	1030	891	573	367	492	473	757	535	927	896	835	852	887	862	860	846	854	825	912	1030	819
2	907	881	898	895	909	650	774	626	542	576	556	825	919	834	634	864	862	867	836	852	860	884	904	871	801
3	900	876	873	869	887	638	524	598	759	679	883	876	861	909	876	867	828	812	838	851	865	880	928	895	824
4	873	867	869	861	864	869	866	875	817	780	781	792	820	811	841	865	851	836	818	828	844	854	869	869	842
5	876	875	865	864	864	873	880	852	858	877	842	807	758	775	852	820	808	816	786	784	843	844	856	869	839
6	908	862	858	869	886	832	735	701	673	901	886	865	848	863	862	864	855	824	826	833	842	859	865	876	841
7	866	863	863	877	934	927	902	829	871	896	895	879	881	889	892	884	863	911	792	835	863	927	930	1114	891
8 D	886	1034	875	862	807	681	490	466	400	552	733	795	734	791	883	674	777	774	818	839	883	873	869	869	765
9 D	965	970	932	994	830	549	627	587	676	729	228	647	848	879	841	806	840	864	857	853	860	877	913	921	796
10	924	906	883	892	877	876	772	688	640	614	624	830	875	829	860	882	868	859	852	856	868	868	875	873	829
11	871	878	875	882	876	885	886	889	881	865	783	785	852	856	842	813	829	859	853	864	872	869	887	885	860
12	894	893	926	966	975	893	889	901	869	830	865	862	801	881	897	879	862	876	859	894	896	896	892	892	884
13 Q	888	885	885	892	892	892	896	892	890	880	880	869	867	875	873	869	861	867	851	859	865	876	880	880	878
14	868	869	882	950	918	864	876	843	887	897	866	867	829	829	804	802	758	837	851	857	850	861	876	869	859
15	864	872	872	871	877	877	873	879	871	847	875	893	866	890	871	864	850	849	846	822	844	872	883	876	867
16	872	873	889	867	875	868	872	872	883	864	875	881	875	873	871	864	856	849	848	854	868	864	862	864	868
17 Q	874	874	861	870	868	880	872	870	875	866	843	815	834	883	880	868	861	855	855	868	872	875	876	876	865
18 Q	862	868	871	870	875	871	846	883	879	877	878	877	877	877	869	860	847	840	836	836	859	863	872	872	865
19 Q	876	876	865	868	867	867	866	868	870	872	872	873	873	878	869	863	856	847	850	858	864	877	877	882	868
20	869	864	867	867	874	874	854	862	882	881	882	881	882	880	881	870	857	846	838	849	854	880	882	892	870
21	943	1140	1042	847	844	847	849	850	836	838	877	878	875	879	877	863	846	873	838	841	853	872	869	876	881
22	876	873	865	862	864	865	869	873	874	849	856	869	883	884	880	873	860	851	849	840	847	854	861	862	864
23 Q	862	860	860	867	870	868	867	872	872	852	870	887	884	882	872	867	859	856	856	858	863	866	869	870	867
24	866	866	866	866	866	874	866	881	878	878	858	853	884	883	878	848	821	851	853	837	838	848	865	868	862
25	874	866	866	869	871	871	871	874	877	879	877	885	886	882	877	875	863	848	842	848	860	875	882	899	872
26	1175	843	1137	1226	1112	1016	921	951	821	856	875	871	863	864	864	867	857	864	860	853	881	866	867	864	924
27	867	870	875	878	1016	898	910	824	602	516	415	411	703	824	828	817	834	869	868	848	857	869	871	864	797
28	856	857	863	870	852	756	654	508	274	444	764	395	870	868	884	889	870	838	790	804	835	882	874	901	766
29 D	976	933	913	855	850	820	586	458	219	124	102	242	203	587	921	898	878	870	872	885	918	957	984	1191	718
30 D	1125	1118	976	953	887	864	852	756	796	548	301	811	873	865	891	856	829	848	844	867	877	878	879	897	851
31																									
Mean	905	904	896	904	894	841	804	773	752	751	753	785	832	854	860	853	847	851	841	847	862	873	884	902	844

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34 Meanook D = 24° E + . . . ' September 1952

Hour U.T. / Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	32.4	31.7	42.8	34.7	35.4	42.7	48.6	07.2	61.7	23.9	41.2	48.7	44.3	58.4	52.8	50.3	45.3	40.3	38.7	35.4	34.5	29.8	37.0	51.1	40.4
2	37.6	39.6	48.1	46.6	46.5	44.5	36.8	26.3	39.2	43.4	47.5	48.6	45.7	52.2	65.9	50.3	45.7	41.8	39.2	33.1	34.3	36.0	38.3	41.7	42.9
3	39.0	39.8	47.3	70.3	48.0	27.9	37.8	54.5	37.6	30.8	40.7	42.8	41.1	43.2	48.3	50.5	46.1	43.1	34.8	30.3	34.3	33.1	36.4	36.4	41.4
4	39.0	40.7	41.2	45.6	36.4	35.8	35.7	38.2	30.3	31.1	32.1	47.7	47.1	47.1	47.0	45.7	44.5	39.7	35.2	32.8	31.4	32.8	36.2	39.3	38.9
5	39.6	39.8	39.7	38.7	38.3	37.4	51.7	36.7	37.8	38.3	42.2	45.5	43.2	58.1	64.9	58.0	50.6	35.6	28.7	21.4	29.9	32.3	32.3	33.7	40.6
6	41.0	38.8	39.7	42.2	37.4	50.3	45.1	36.2	42.6	38.7	36.8	39.6	39.7	44.6	49.1	49.0	46.1	39.4	34.2	35.4	31.6	34.7	36.8	37.6	40.3
7	39.3	39.2	37.9	37.7	51.5	48.6	41.6	38.6	47.0	41.6	40.8	43.3	45.1	47.1	48.3	48.6	46.6	46.5	34.3	22.0	38.7	33.9	38.6	45.7	41.8
8 D	32.3	39.7	66.4	36.0	55.5	48.7	26.8	12.3	18.0	56.5	56.5	48.5	45.6	58.0	49.6	51.5	40.7	38.7	29.5	32.3	37.8	37.8	36.3	39.2	41.4
9 D	46.7	39.3	69.5	46.0	45.7	43.6	44.9	39.0	32.6	44.5	42.8	34.3	51.1	52.5	47.5	42.7	43.2	39.8	38.2	37.4	39.8	38.2	39.6	50.5	43.7
10	42.2	39.2	46.7	52.6	42.6	41.1	29.9	42.2	40.4	66.7	36.7	40.8	41.1	42.8	45.5	46.7	45.8	43.5	40.2	36.8	38.2	36.8	38.7	38.1	42.3
11	44.1	40.8	39.8	39.2	39.0	43.6	36.9	39.3	39.7	40.2	38.7	37.7	43.7	49.9	46.3	42.6	39.2	38.9	37.7	37.7	36.7	37.8	39.4	38.8	40.3
12	36.7	35.7	44.6	45.6	41.0	35.9	39.3	40.7	41.4	41.8	43.7	45.7	58.0	53.9	49.7	49.6	47.7	40.3	44.6	32.3	36.0	37.2	36.0	37.2	42.3
13 Q	37.2	37.2	37.2	37.2	36.2	36.4	35.7	38.4	38.2	38.6	39.7	39.7	42.4	35.7	42.3	44.5	42.7	40.0	36.0	35.3	34.8	34.7	35.2	34.3	37.9
14	33.5	34.2	33.5	34.4	50.6	28.7	38.3	36.7	36.6	38.2	41.6	40.7	46.1	39.4	48.5	42.8	37.8	35.7	37.7	37.3	35.8	37.8	38.7	41.1	38.6
15	42.2	40.8	38.4	38.5	41.4	39.2	39.9	40.7	36.9	38.4	41.6	45.1	48.6	46.1	47.1	48.9	46.6	43.4	40.2	34.3	29.5	32.8	34.4	41.1	40.7
16	38.2	38.4	37.8	38.3	37.4	35.8	37.6	38.9	45.3	44.7	43.6	47.6	46.3	42.1	44.6	44.0	41.7	38.4	34.3	30.3	29.9	33.4	32.4	34.6	39.0
17 Q	36.6	36.5	37.3	38.8	36.1	38.2	37.7	38.7	39.6	40.3	41.1	32.4	45.9	44.6	44.3	44.9	42.8	38.4	34.6	33.3	34.5	35.9	36.8	36.8	38.6
18 Q	38.2	38.2	38.0	37.2	37.3	37.3	32.8	37.7	38.6	40.4	41.7	43.2	43.0	43.4	44.2	45.2	44.9	42.4	38.7	34.7	30.9	33.2	36.6	39.0	39.0
19 Q	40.0	39.3	38.2	38.2	38.6	38.8	38.9	40.7	39.7	39.8	40.6	41.1	42.7	45.1	47.6	49.7	45.2	41.7	37.8	35.8	33.8	34.6	35.7	35.7	40.0
20	37.2	36.4	38.2	39.7	38.2	37.7	41.7	45.5	39.7	39.1	39.7	40.7	41.7	44.1	47.6	48.6	47.6	45.6	39.0	35.7	32.8	32.8	28.3	35.6	39.7
21	28.8	38.6	30.8	38.8	37.7	37.8	38.1	38.2	40.2	43.6	43.6	41.7	42.8	44.6	46.7	47.0	46.6	43.6	38.4	36.2	34.3	34.2	35.5	35.7	39.3
22	37.7	37.6	36.5	38.7	40.7	36.7	37.7	45.5	44.6	40.7	39.9	42.7	45.6	45.0	46.0	45.6	42.7	40.2	37.6	35.6	35.2	35.7	36.6	37.6	40.1
23 Q	38.6	37.7	37.6	37.8	37.7	37.7	42.1	40.8	38.7	35.7	39.2	43.6	43.7	45.7	46.0	45.5	43.9	42.7	40.4	37.9	36.7	34.8	35.7	36.2	39.8
24	36.2	36.0	37.2	36.6	36.7	36.7	37.7	39.7	38.6	38.6	35.2	38.7	43.3	43.0	44.2	41.5	31.7	34.7	35.2	35.1	32.8	33.3	33.8	33.8	37.1
25	32.8	32.8	34.3	35.2	35.7	35.8	37.6	36.7	37.7	38.8	39.1	39.6	40.7	41.7	42.7	44.6	47.6	46.7	39.2	31.3	25.9	25.8	25.9	26.8	36.5
26	35.2	21.8	41.6	-3.3	12.4	15.1	31.7	30.3	39.7	41.8	41.2	40.7	40.3	41.7	42.7	42.7	42.6	40.7	37.2	32.3	32.0	31.7	32.7	33.8	33.3
27	34.3	34.7	34.7	32.9	31.8	28.7	37.7	31.9	30.3	45.6	45.1	43.8	67.6	51.6	41.8	33.3	33.8	37.7	38.2	37.4	37.2	37.1	37.8	39.2	38.5
28	40.5	40.2	39.6	37.7	41.7	19.6	53.4	65.4	51.5	40.7	61.5	46.2	49.6	48.6	49.6	46.1	46.0	42.2	41.7	36.6	31.2	33.7	34.9	37.8	43.2
29 D	52.5	39.3	41.7	40.2	37.8	78.2	70.4	84.1	114.4	43.6	110.4	90.1	26.8	40.2	45.6	49.3	47.1	43.2	38.7	41.6	47.6	41.7	35.6	42.1	54.3
30 D	53.6	38.6	42.7	48.4	54.0	35.4	36.7	54.6	52.3	53.5	59.5	64.4	45.7	44.9	44.7	45.6	44.6	40.8	34.3	37.2	39.2	37.8	37.7	34.6	45.0
31																									
Mean	38.8	37.4	41.3	39.4	40.0	38.5	40.0	39.9	42.4	41.3	44.8	44.8	44.9	46.5	47.7	46.5	43.9	40.9	37.2	34.2	34.6	34.7	35.7	38.2	40.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Meanook Z = 58,000 γ + September 1952

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	899	943	942	841	820	765	380	543	720	476	737	899	742	623	737	815	871	851	836	831	875	844	875	943	784
2	876	870	900	887	844	585	698	701	448	492	673	799	864	833	755	813	809	813	829	843	837	851	883	871	782
3	864	886	865	837	833	606	737	693	695	699	832	836	844	828	848	838	838	839	837	838	858	872	889	864	816
4	866	853	853	854	492	503	831	786	688	681	643	686	758	770	805	833	844	842	839	842	844	844	842	842	777
5	838	839	837	835	832	832	770	676	690	764	776	759	750	754	758	748	777	820	819	826	848	863	881	889	799
6	884	850	861	883	899	759	726	769	779	841	868	853	842	837	822	806	831	825	829	832	837	848	850	855	833
7	842	837	832	842	851	838	810	709	776	842	854	837	835	832	831	831	822	820	828	837	864	918	915	945	840
8 D	875	922	875	876	666	575	754	658	453	577	587	766	810	825	844	787	837	826	835	857	900	886	864	901	781
9 D	918	932	853	809	642	574	650	816	605	699	637	653	754	820	832	776	808	820	813	825	855	871	886	890	781
10	876	876	856	776	831	799	519	599	543	485	630	809	820	814	826	815	826	826	828	828	826	829	835	836	771
11	838	831	831	828	836	848	848	832	827	783	677	695	761	744	768	782	775	797	808	819	826	832	854	848	804
12	855	865	899	881	850	788	798	852	807	787	825	817	737	782	798	798	799	809	813	815	820	820	826	826	819
13 Q																			817	817	817	817	818	818	
14	818	814	815	876	820	777	709	803	810	838	838	843	777	799	751	759	768	815	817	818	828	836	837	841	809
15	831	826	818	816	824	817	815	808	793	753	782	808	794	809	803	809	804	802	808	807	813	822	822	836	809
16	825	817	823	822	815	810	810	803	799	775	775	797	796	796	805	808	808	816	819	820	826	837	855	845	813
17 Q	838	835	833	837	843	854	843	833	831	819	775	746	738	820	831	835	835	835	826	827	829	832	832	832	823
18 Q	827	827	831	831	832	832	732	822	831	826	822	823	825	824	820	823	825	826	826	825	820	820	820	820	821
19 Q	820	822	822	822	822	822	820	820	820	820	820	820	822	822	820	820	815	809	797	805	809	819	820	822	818
20	822	820	833	826	822	822	810	792	829	827	820	820	820	819	820	820	820	815	812	812	820	827	853	880	823
21	925	954	960	851	826	826	824	826	822	782	810	827	832	832	832	832	832	832	832	831	827	832	832	832	842
22	832	831	844	860	856	838	832	820	807	776	786	798	810	822	831	820	820	820	826	826	825	827	833	833	824
23 Q	832	832	831	827	832	833	833	820	820	787	782	785	819	819	815	815	820	820	819	818	819	814	814	813	817
24	810	809	810	812	822	816	765	819	817	814	783	764	787	804	804	798	776	782	798	799	808	810	820	832	802
25	843	826	820	819	816	810	815	815	815	809	804	798	804	804	807	808	804	798	787	787	783	788	809	837	809
26	832	581	642	659	653	742	804	692	776	820	826	820	809	810	809	809	809	815	804	804	809	809	809	809	773
27	815	815	815	820	864	844	832	851	998	876	726	599	698	731	766	776	787	814	832	836	833	836	838	831	810
28	832	832	842	861	854	710	664	609	708	698	719	798	798	782	777	815	809	806	826	846	915	909	871	886	799
29 D	969	958	950	891	871	681	531	564	1038	848	369	687	613	581	843	836	833	837	844	861	911	925	939	876	802
30 D	820	876	899	837	855	844	843	748	727	875	541	681	814	832	837	825	819	836	832	843	855	855	864	876	818
31																									
Mean	852	848	848	835	808	764	752	754	761	754	742	780	789	792	807	809	815	820	825	826	839	844	851	856	807

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook — September 1952

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	03	43	1267	07	06	242	1025	09	32	117.3	07	18	-101.2	218.5	11	40	1060	06	25	280	780
2	00	16	972	10	15	122	850	09	51	100.0	08	18	-31.0	131.0	08	46	1042	05	42	336	706
3	22	25	945	08	55	142	803	03	50	76.3	08	59	-23.6	99.9	06	42	972	06	32	419	553
4	07	36	907	10	22	709	198	12	09	54.2	08	20	22.9	31.3	00	12	873	10	21	392	481
5	09	20	909	12	00	678	231	14	07	69.9	19	23	16.0	53.9	23	59	931	07	43	625	306
6	00	20	933	08	22	587	346	05	38	72.0	17	14	19.4	52.6	00	08	949	05	46	589	360
7	23	22	1310	07	47	696	614	04	58	76.3	19	15	15.0	61.3	23	09	1056	07	45	580	476
8 D	23	56	1286	06	50	-72	1358	09	50	107.9	07	11	-28.1	136.0	23	52	1116	09	06	246	870
9 D	00	02	1082	10	42	041	1041	03	57	109.2	06	20	-56.7	165.9	07	24	1107	04	05	257	850
10	03	06	963	08	12	271	692	03	06	86.9	06	40	09.5	77.4	02	35	916	08	49	408	508
11	22	56	907	10	47	697	210	13	31	53.6	11	07	29.1	24.5	06	06	884	11	22	650	234
12	04	42	1050	12	15	699	351	12	23	67.4	04	58	09.5	57.9	02	31	925	05	00	610	315
13 Q	07	43	908	18	46	842	66	16	32	47.1	23	07	32.5	14.6							
14	03	43	1063	16	45	696	367	04	33	77.8	05	24	13.5	64.3	03	46	952	06	01	705	247
15	08	40	904	19	42	809	95	12	20	51.8	20	20	25.8	26.0	23	32	850	09	45	726	124
16	08	55	904	09	57	820	84	09	03	51.4	20	42	27.5	23.9	22	43	877	09	58	736	141
17 Q	01	05	886	10	56	780	106	12	57	52.7	10	58	28.3	24.4	06	32	857	12	12	703	154
18 Q	06	45	907	06	18	801	106	16	03	47.2	06	17	23.4	23.8	05	14	845	06	30	682	163
19 Q	23	13	894	18	06	845	49	15	06	51.2	20	42	32.9	18.3	08	32	831	18	17	794	37
20	23	13	944	06	52	815	129	07	30	52.1	23	00	22.9	29.2	23	11	918	07	07	747	171
21	01	11	1233	09	10	812	421	01	50	49.8	02	16	04.6	45.2	02	35	1015	09	12	756	259
22	07	42	902	09	52	819	83	07	54	54.6	19	45	33.7	20.9	03	54	871	09	51	755	116
23 Q	11	51	894	09	56	819	75	15	06	48.3	09	45	27.7	20.6	05	22	846	09	58	720	126
24	06	00	922	16	20	810	112	14	00	47.6	17	58	27.3	20.3	23	50	853	06	11	716	137
25	23	59	1003	18	55	833	170	16	41	52.3	22	50	21.9	30.4	23	59	918	20	13	770	148
26	03	39	1355	08	12	750	605	02	42	66.4	03	24	-54.6	121.0	00	02	907	03	19	434	473
27	04	30	1142	10	39	253	889	12	14	84.1	08	20	-22.1	106.2	08	09	1138	11	19	433	705
28	04	16	952	09	00	-40	992	08	14	109.2	09	21	-46.8	156.0	20	56	973	09	12	336	637
29 D	23	59	1707	09	14	-319	2026	08	48	154.0	08	52	-81.5	235.5							
30 D	00	05	1769	10	21	-150	1919	10	25	134.1	09	50	04.1	130.0							
31																					
Mean			1061			527	534			74.1			00.1	74.0			944			571	373
No. days			30			30	30			30			30	30			27			27	27

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 37 Meanook $H = 12,000\ \gamma +$ October 1952

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	865	860	872	866	899	876	860	807	841	810	852	899	899	886	881	874	861	853	844	842	852	869	872	873	863
2	873	873	861	866	877	876	883	876	869	861	866	860	857	838	819	869	869	855	834	814	827	831	839	858	856
3	859	858	857	885	889	887	895	895	883	883	883	883	858	876	883	904	798	821	833	833	833	905	923	907	872
4 D	1222	931	870	861	894	754	605	551	573	604	843	894	882	850	814	687	850	850	834	880	884	857	906	982	829
5 D	865	865	879	877	904	832	428	491	639	534	522	444	405	908	892	797	871	807	806	939	864	873	875	898	759
6	908	896	951	911	915	720	678	739	695	599	857	870	809	738	793	818	875	859	865	864	857	862	870	870	826
7	873	873	873	873	873	870	844	821	881	865	789	789	842	852	819	864	873	858	844	841	842	855	853	859	851
8	884	877	878	875	877	875	879	874	862	825	836	850	838	784	812	873	869	864	850	856	856	862	862	875	858
9	902	875	879	881	881	874	873	874	871	867	843	787	837	868	884	875	867	859	860	860	845	867	853	862	864
10	874	867	877	882	900	890	892	892	876	839	892	896	892	892	887	873	868	868	859	842	810	818	877	876	872
11	867	876	867	873	874	891	884	868	742	753	720	884	850	852	874	873	864	840	799	834	853	857	875	866	847
12	853	873	898	910	936	893	808	879	886	864	843	854	878	871	884	875	865	864	854	872	861	865	869	873	873
13	848	862	871	874	874	877	877	877	875	877	877	877	879	873	872	860	866	874	862	866	869	873	873	862	871
14	873	875	875	876	881	898	865	874	875	873	873	873	875	875	871	867	850	858	855	852	857	866	873	873	870
15 Q	870	873	875	875	875	878	878	881	881	881	881	881	881	877	876	873	869	861	844	854	861	865	877	879	873
16	879	882	886	885	885	879	875	877	881	881	880	883	882	886	881	879	872	863	854	859	870	865	878	876	877
17	878	880	872	901	915	857	858	864	848	845	831	835	883	892	884	879	867	820	817	836	834	851	861	865	861
18	870	870	880	874	866	860	844	751	437	771	829	875	876	866	874	859	837	836	837	844	828	848	860	868	832
19	868	869	869	869	876	873	877	854	775	363	812	875	871	875	883	873	870	853	845	848	852	856	864	869	839
20 Q	872	868	870	871	872	872	870	869	869	843	869	859	863	876	867	863	869	870	862	855	859	860	864	872	866
21	872	872	874	873	873	874	873	876	880	879	846	777	820	834	817	830	879	856	828	845	839	863	895	886	857
22 Q	883	887	888	881	865	874	878	878	881	880	874	873	872	881	881	876	868	860	865	849	856	865	871	873	873
23 Q	873	874	876	876	875	874	873	876	879	880	880	880	862	880	887	879	870	858	854	864	866	870	876	881	873
24 Q	881	882	881	881	880	876	876	881	879	881	881	883	883	883	884	882	882	877	865	866	867	870	872	879	878
25	880	884	884	885	885	885	887	889	894	882	832	823	879	879	879	889	881	840	819	845	873	874	869	883	872
26 D	883	947	1071	905	860	918	868	751	770	833	835	457	518	540	525	636	806	858	880	869	848	867	875	892	801
27	887	884	870	868	863	863	868	851	836	793	770	876	883	875	879	875	866	860	860	852	864	869	876	864	860
28	867	880	884	874	869	875	882	871	860	868	842	846	871	875	880	882	864	866	866	860	862	871	873	876	869
29	877	875	872	879	879	878	876	877	868	833	848	856	815	847	851	817	839	836	829	841	845	857	897	921	859
30 D	965	1118	1068	1052	897	874	854	861	844	801	865	866	874	874	850	745	709	803	827	851	849	874	1061	915	887
31 D	872	865	1006	929	888	842	588	616	804	893	816	537	498	521	732	714	808	837	859	853	874	885	883	899	792
Mean	889	883	895	887	884	867	832	827	821	808	835	824	827	843	849	843	854	851	845	854	853	864	879	882	854

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38 Meanook D = 24° E + . . . ' October 1952

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	37.7	41.7	38.0	39.7	67.9	42.2	35.7	26.7	42.7	36.6	38.2	41.7	44.0	46.0	48.1	45.6	43.5	40.8	37.7	34.7	34.1	35.7	38.1	40.2	40.7
2	40.2	39.6	39.4	39.2	44.6	39.2	37.2	40.4	40.0	40.2	41.0	41.6	43.2	41.4	40.7	45.9	46.3	42.1	38.4	34.7	34.7	34.3	38.2	39.7	40.1
3	40.2	38.7	38.2	38.2	46.6	41.7	42.2	40.2	38.8	39.4	39.7	40.2	41.1	40.4	40.0	39.2	30.5	34.7	27.3	29.5	36.0	35.0	35.7	28.8	37.6
4 D	36.7	41.4	38.7	39.7	40.7	45.1	19.4	31.3	56.0	41.2	43.6	45.1	45.1	46.7	41.6	42.7	35.9	35.7	32.3	37.8	37.2	36.1	39.7	47.1	39.9
5 D	36.2	36.0	39.7	40.8	75.8	72.8	44.1	31.8	51.1	41.7	103.0	71.8	73.3	37.2	41.7	40.7	36.0	28.3	41.7	38.7	33.3	33.3	37.2	38.2	46.8
6	42.7	41.2	56.5	60.0	41.7	39.7	34.3	43.6	43.2	19.9	41.4	46.6	39.4	37.0	33.7	35.0	45.7	42.6	43.2	39.2	37.7	36.7	37.1	38.0	40.7
7	38.7	39.4	39.4	39.4	41.2	41.6	34.7	42.0	42.0	39.6	36.8	33.5	42.2	41.7	38.7	42.1	45.6	41.2	42.0	39.7	36.2	36.7	36.8	37.7	39.5
8	39.2	36.0	39.7	39.7	38.4	40.6	38.0	45.1	40.7	40.7	40.4	43.6	42.3	35.7	29.3	48.6	45.6	43.7	42.0	38.2	35.7	34.3	34.6	35.8	39.5
9	32.8	29.3	37.6	40.0	39.6	41.2	41.2	39.7	40.6	41.2	41.7	30.7	46.7	44.6	44.6	45.7	45.6	45.6	41.4	39.1	36.7	35.4	35.8	37.4	39.8
10	36.2	36.2	37.2	37.7	33.8	38.7	38.2	42.7	40.6	38.4	42.8	42.9	42.9	42.9	44.1	47.0	47.1	41.7	39.4	40.8	33.5	25.5	34.7	35.2	39.2
11	37.4	35.7	39.4	38.2	38.7	38.2	39.7	38.7	39.2	40.4	46.1	44.9	45.6	40.7	43.2	44.8	44.1	43.2	35.0	31.8	33.3	35.2	34.8	33.8	39.2
12	43.6	35.5	35.5	49.9	46.1	39.7	42.2	41.7	38.7	42.6	42.6	46.3	44.7	41.4	42.7	44.1	42.7	39.6	37.2	35.8	35.2	35.2	36.7	36.7	40.7
13	37.5	38.7	38.2	38.0	39.2	38.0	38.0	39.4	40.7	40.7	41.2	41.2	41.6	41.4	43.2	43.3	42.1	42.0	38.7	36.6	36.6	36.7	37.5	37.8	39.5
14	39.2	38.7	38.7	54.0	35.8	55.5	40.2	38.0	40.2	40.2	41.0	41.2	41.0	42.1	42.8	45.6	44.8	41.2	38.7	35.7	35.2	36.2	38.2	38.6	41.0
15 Q	38.7	38.6	38.6	38.2	38.7	38.7	38.7	38.7	38.9	39.2	39.4	40.0	40.1	41.0	42.2	43.2	42.4	41.6	38.2	33.1	33.1	35.2	35.4	37.2	38.7
16	37.2	38.7	38.0	37.1	40.2	39.7	37.2	38.1	37.8	38.9	42.2	41.3	41.0	43.7	45.1	44.8	44.1	40.2	37.8	35.2	34.6	34.5	34.8	35.5	39.1
17	36.7	33.8	36.8	33.6	44.8	44.3	46.0	45.9	44.8	45.6	43.4	47.1	41.6	40.6	42.7	44.3	42.9	37.9	25.8	26.9	26.9	30.3	32.5	34.6	38.7
18	35.2	37.2	43.2	44.7	42.8	40.2	42.3	44.6	54.0	55.0	45.9	43.4	45.3	40.7	42.4	42.7	38.7	35.2	32.8	36.6	33.2	35.4	37.2	39.4	41.2
19	39.3	39.2	40.4	42.1	39.7	39.6	45.2	38.2	48.6	42.4	44.1	44.3	45.3	45.2	46.1	45.2	45.2	44.9	40.2	36.7	34.4	34.5	36.0	37.4	41.4
20 Q	38.2	39.6	39.2	40.7	42.4	42.7	39.7	40.2	39.2	40.7	42.7	39.0	38.5	42.7	41.7	40.6	42.3	39.7	40.1	36.3	35.2	36.2	37.2	38.0	39.7
21	40.1	40.2	39.2	39.4	39.6	39.2	39.4	39.7	40.2	39.6	45.1	49.9	52.5	49.7	53.0	46.6	43.8	44.1	43.2	32.7	33.3	35.2	35.4	36.2	41.6
22 Q	37.3	38.2	39.2	40.1	40.2	38.6	38.4	39.4	39.7	39.6	40.3	40.5	40.3	42.6	45.1	46.1	46.9	45.1	42.2	40.3	37.8	37.7	38.4	38.8	40.5
23 Q	38.8	39.2	39.1	40.4	39.6	39.2	39.3	39.2	38.7	39.3	40.2	41.2	39.8	41.2	43.7	46.9	45.3	42.1	37.4	35.2	34.2	34.3	36.2	36.7	39.5
24 Q	37.8	38.4	39.2	39.3	39.2	39.4	39.6	39.7	40.2	40.2	40.2	39.8	40.4	40.9	42.3	43.1	44.3	44.6	40.4	38.4	37.2	36.1	35.8	36.4	39.7
25	37.2	38.2	38.8	39.2	39.2	39.2	38.6	39.2	38.8	39.2	43.2	51.5	44.4	44.0	39.5	46.0	44.0	40.9	30.3	30.3	33.8	34.5	34.2	38.6	39.3
26 D	35.3	35.3	54.8	41.6	40.3	47.1	40.3	40.2	39.7	39.6	40.4	46.6	80.6	61.1	36.7	24.4	26.2	32.1	38.5	39.6	37.6	37.3	37.7	41.4	41.4
27	36.7	37.2	38.6	38.4	38.7	38.9	38.9	39.8	49.7	46.8	43.9	42.6	39.7	41.1	43.2	43.2	43.3	39.7	38.2	37.3	37.4	37.7	37.8	39.2	40.3
28	39.2	42.2	47.9	39.2	39.7	45.5	41.0	40.0	38.6	39.2	36.2	40.8	41.5	40.2	44.3	43.7	42.4	44.2	38.8	37.6	39.2	38.4	37.8	37.8	40.6
29	37.7	37.7	38.0	39.3	41.7	37.8	38.2	39.0	40.9	38.1	38.2	44.5	41.5	45.4	48.4	37.2	33.5	31.6	23.4	28.3	34.3	32.9	32.4	30.1	37.1
30 D	32.3	35.1	36.3	34.9	53.9	38.8	37.7	38.8	39.9	37.7	43.0	38.7	40.4	39.7	38.2	29.8	30.9	23.8	24.4	30.1	28.0	33.2	31.7	34.3	35.5
31 D	35.3	40.2	65.9	53.6	40.1	41.9	41.2	43.4	51.1	42.7	47.4	44.6	38.2	34.6	38.4	21.9	37.7	31.9	36.2	31.5	36.0	39.4	40.8	40.4	40.6
Mean	37.8	38.0	41.0	41.2	42.9	42.1	38.9	39.5	42.4	40.2	43.7	43.4	44.6	42.4	42.2	41.9	41.6	39.4	36.9	35.4	34.9	35.1	36.3	37.3	40.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Meanook $Z = 58,000\ \gamma +$ October 1952

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	887	886	871	865	809	820	820	749	776	775	819	853	854	844	843	843	843	842	846	848	852	860	860	860	839
2	857	853	853	853	844	777	842	842	835	806	813	805	808	768	793	804	825	826	826	833	848	846	842	837	826
3	846	855	871	880	809	837	844	858	860	854	851	846	816	822	770	782	759	802	855	860	891	962	962	996	854
4 D	845	938	924	880	866	720	804	788	926	1036	857	871	853	837	826	793	848	851	854	933	918	910	949	964	875
5 D	915	893	893	884	808	674	414	592	988	465	943	451	641	843	843	828	793	827	904	953	871	872	875	897	794
6	922	909	882	865	903	698	653	786	820	666	826	842	813	799	828	828	813	815	882	875	866	868	868	866	829
7	858	858	858	858	860	858	815	808	846	846	755	755	798	826	810	832	844	844	844	844	844	853	855	853	834
8	865	877	924	883	883	865	853	853	848	808	795	795	776	753	770	813	828	835	835	839	839	847	848	848	837
9	855	893	904	862	860	865	857	838	839	837	806	731	745	800	838	842	842	842	837	837	837	844	842	851	838
10	856	848	851	857	865	865	868	844	837	748	803	833	837	837	837	837	837	837	835	835	847	850	852	852	840
11	848	866	868	857	851	871	864	842	768	671	779	774	788	802	820	837	837	836	844	851	844	843	851	881	829
12	915	877	899	835	810	777	690	845	866	841	857	851	826	832	844	842	837	839	837	841	841	841	848	858	840
13	850	845	843	843	851	848	848	844	844	844	835	835	837	835	835	826	826	826	831	831	833	835	842	845	839
14	844	844	848	848	855	769	815	826	835	841	838	837	842	842	842	842	837	836	834	835	837	837	839	848	836
15 Q	848	848	848	848	848	848	847	847	847	847	847	846	846	846	846	846	848	847	841	837	837	837	841	841	845
16	844	843	843	848	865	857	851	846	846	841	832	837	824	828	844	842	842	842	829	831	836	842	843	844	842
17	848	860	899	919	882	848	770	802	809	785	769	779	831	848	841	837	837	842	837	858	855	860	861	860	839
18	864	877	897	891	882	865	837	780	664	709	764	826	835	833	829	824	818	818	835	846	846	851	855	850	829
19	851	848	852	853	846	850	829	777	719	518	709	787	798	809	826	832	837	833	831	832	842	843	844	843	809
20 Q	838	848	850	865	881	871	850	826	808	777	805	815	810	818	819	815	815	815	832	837	846	848	848	847	833
21	842	842	842	839	839	839	839	835	835	835	776	720	765	776	741	737	770	797	785	798	807	827	831	831	806
22 Q	837	839	839	831	831	831	834	833	832	833	834	831	831	837	833	831	831	822	826	831	831	831	832	835	832
23 Q	835	837	836	832	832	833	827	828	831	831	829	829	809	818	827	826	827	826	838	838	838	838	838	838	831
24 Q	833	832	831	831	832	832	832	832	828	826	826	829	831	832	832	832	833	831	826	831	831	832	832	832	831
25	831	831	831	831	831	831	831	833	833	826	764	681	765	784	795	806	812	809	814	831	853	848	866	875	817
26 D	871	921	848	940	864	873	860	659	697	802	815	799	402	464	620	687	766	800	848	836	848	857	876	911	786
27	889	897	886	882	866	855	853	831	732	737	744	826	855	855	854	854	854	854	848	848	844	853	860	857	843
28	855	865	886	872	863	838	843	848	820	842	799	804	822	826	831	843	848	853	851	851	851	848	855	845	844
29	843	847	850	853	843	843	843	837	829	766	786	796	741	759	770	763	776	810	810	847	870	903	915	932	826
30 D	952	942	953	865	853	882	843	843	831	750	813	831	826	831	816	754	742	813	837	875	892	892	860	893	850
31 D	892	886	899	899	904	848	480	505	687	831	788	699	453	447	731	697	798	843	831	844	857	884	902	902	771
Mean	862	868	870	864	853	829	802	802	817	787	809	794	783	795	811	812	820	829	838	848	850	857	861	867	830

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook

October 1952

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 24° E +			Minimum 24° E +		Range	Maximum 58,000 γ +			Minimum 58,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	35	943	08	20	728	215	04	29	85.2	07	08	15.1	70.1	00	35	921	07	12	676	245
2	05	57	919	13	57	784	135	04	36	53.8	21	30	31.7	22.1	00	44	864	05	39	721	143
3	23	59	1116	16	27	776	340	04	53	57.6	23	02	22.4	35.2	23	06	1041	16	23	738	303
4 D	00	37	1331	07	28	005	1326	05	28	84.2	07	40	-30.2	114.4	09	21	1174	07	51	441	733
5 D	04	56	1038	08	16	116	922														
6	02	26	1110	06	02	373	737	02	34	93.4	06	05	-29.0	122.4	02	14	983	05	59	582	401
7	16	07	903	07	10	744	159	07	35	50.3	06	48	17.8	32.5	22	00	875	07	12	663	212
8	23	07	959	14	00	678	281	06	42	53.9	23	05	29.1	24.8	02	16	948	14	00	682	266
9	00	32	933	11	40	741	192	15	33	50.6	01	06	24.9	25.7	02	09	941	11	39	681	260
10	06	07	923	09	31	767	156	16	37	54.6	21	21	21.4	33.2	04	17	899	09	34	690	209
11	22	41	912	09	10	611	301	09	09	55.7	23	40	27.1	28.6	23	51	942	09	15	609	333
12	06	05	1065	06	16	580	485	06	20	67.1	06	16	-26.3	93.4	03	13	951	06	11	448	503
13	22	30	898	00	07	834	64	05	10	46.5	21	38	34.3	12.2	00	16	864	15	22	815	49
14	05	34	930	06	18	822	108	05	24	75.0	06	15	32.3	42.7	05	20	915	05	52	744	171
15 Q	23	31	891	18	34	832	59	16	05	45.9	19	47	29.5	16.4	00	43	852	20	07	835	17
16	13	08	904	18	13	845	59	04	45	49.6	21	32	33.6	16.0	04	43	891	12	41	797	94
17	04	07	976	18	02	786	190	05	58	62.9	19	00	24.2	38.7	03	56	944	06	42	740	204
18	02	55	904	08	20	313	591	08	41	90.6	08	30	26.3	64.3	03	42	928	08	16	458	470
19	06	45	900	09	07	182	718	06	42	57.6	09	00	13.5	44.1	00	05	870	09	15	408	462
20 Q	10	26	892	09	38	810	82	10	02	47.9	20	20	34.3	13.6	04	31	893	09	38	758	135
21	21	58	955	11	59	590	365	14	48	61.4	19	17	26.8	34.6	22	00	860	11	14	666	194
22 Q	00	30	912	19	15	840	72	16	30	48.0	00	55	35.1	12.9	00	51	855	03	54	815	40
23 Q	14	12	894	12	50	825	69	15	33	49.1	21	05	33.1	16.0	22	46	839	12	20	769	70
24 Q	11	58	891	19	47	860	31	17	06	46.5	22	05	35.4	11.1	15	51	841	09	08	822	19
25	23	34	917	11	12	777	140	11	48	58.7	18	52	21.9	36.8	23	28	903	11	22	619	284
26 D	02	12	1445	12	10	229	1216	12	48	126.2	15	02	-14.2	140.4							
27	08	12	906	10	08	719	187	08	56	55.4	01	22	33.7	21.7	02	00	915	08	46	659	256
28	06	52	909	10	10	815	94	05	06	56.8	10	10	31.3	25.5	02	39	922	10	24	771	151
29	23	45	950	13	02	772	178	14	15	50.5	18	42	22.4	28.1	23	55	949	13	03	702	247
30 D	01	57	1181	15	58	608	573	04	27	64.2	18	00	17.4	46.8	22	24	1036	09	39	659	377
31 D	02	30	1239	12	44	287	952	03	00	93.7	06	27	-23.5	117.2							
Mean			989			634	355			63.1			18.4	44.7			922			677	245
No. days			31			31	31			30			30	30			28			28	28

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 41 Meanook $H = 12,000\ \gamma +$ November 1952

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	925	884	872	883	864	866	878	872	870	856	778	720	794	840	774	794	844	848	826	815	854	861	869	908	846
2	884	876	878	868	876	855	868	821	808	872	868	837	864	860	806	814	843	845	844	848	852	868	868	875	854
3	874	869	866	869	878	875	852	868	858	754	774	836	868	882	869	868	868	860	861	863	869	871	875	871	858
4 Q	876	876	879	883	879	873	872	879	879	873	876	876	876	876	872	870	868	864	862	864	866	870	872	872	873
5	875	875	871	873	873	875	875	875	877	869	864	885	885	873	855	869	873	865	864	868	871	873	873	878	872
6	886	892	894	902	917	929	923	902	869	870	855	783	722	847	902	886	878	864	856	855	856	866	872	872	871
7	872	860	876	884	888	888	891	876	872	872	872	849	888	880	880	864	856	850	816	785	822	847	855	870	863
8	874	877	882	886	900	890	902	898	882	863	855	870	882	878	873	873	870	863	859	843	863	855	867	870	874
9	869	870	863	882	882	874	870	878	872	864	867	869	869	869	869	866	863	863	856	858	860	860	868	870	868
10 Q	872	874	876	876	876	876	876	880	876	876	876	876	876	874	874	872	864	852	845	856	860	868	872	872	871
11 Q	875	875	875	877	877	877	877	877	877	877	877	877	877	877	875	873	861	853	857	860	864	864	863	857	871
12 Q	867	870	877	879	877	874	874	871	876	871	874	874	877	875	875	871	866	863	867	871	871	875	871	871	872
13 Q	876	874	874	879	879	879	879	882	879	879	879	879	883	883	879	874	875	867	864	868	876	880	884	884	877
14	885	885	880	876	886	876	876	876	868	874	882	890	891	891	888	880	874	868	873	873	874	873	870	882	879
15	885	887	885	885	885	873	873	879	697	784	842	880	881	877	872	866	864	866	857	848	841	871	875	875	860
16	879	883	884	880	877	873	871	868	836	885	879	859	703	746	801	866	877	875	860	860	864	868	868	872	856
17	869	874	878	870	871	869	869	856	834	798	860	882	882	882	874	880	877	872	866	839	823	878	866	866	864
18	882	880	888	888	874	878	874	870	818	847	884	880	878	880	878	878	870	866	868	866	869	876	877	879	873
19	876	876	876	872	868	868	868	868	869	868	861	870	868	878	872	867	868	868	868	872	872	872	876	876	871
20	879	879	884	882	884	884	884	884	882	882	883	882	888	886	884	882	879	874	878	878	882	882	876	882	882
21 D	874	878	882	882	880	901	901	749	457	628	574	648	882	907	878	886	866	862	846	863	869	877	875	877	823
22	866	894	882	875	874	858	855	829	862	858	808	683	706	831	855	862	847	855	849	860	866	869	872	877	846
23	878	881	868	862	881	877	829	850	846	815	811	850	877	881	881	878	873	869	866	868	872	876	873	880	864
24	871	881	883	875	875	875	875	875	867	821	883	878	852	856	889	887	875	875	866	866	872	875	880	881	872
25	876	871	882	881	879	879	879	873	879	846	871	887	879	859	859	875	879	871	863	863	868	861	871	875	872
26 D	878	880	880	881	881	880	880	888	831	643	838	888	860	829	878	858	803	842	859	824	847	859	941	941	858
27 D	870	873	873	873	916	877	577	561	441	491	518	444	472	600	873	858	829	827	853	857	880	865	892	888	750
28 D	888	888	908	887	877	871	863	873	863	861	802	763	748	678	834	863	845	861	841	841	849	857	873	877	846
29	873	873	884	879	880	873	875	877	861	834	826	818	771	816	865	877	884	873	852	871	873	875	875	877	861
30	870	874	884	880	878	872	867	823	872	878	870	847	862	882	886	879	872	865	869	865	869	869	868	878	870
31																									
Mean	877	878	879	879	881	877	865	856	829	827	834	829	835	850	866	868	864	862	857	856	862	869	875	878	860

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42 Meanook D = 24° E + . . . ' November 1952

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	51.6	43.2	44.6	43.2	38.7	40.7	42.7	41.2	38.2	37.7	31.3	33.0	40.7	42.4	44.3	38.4	34.7	38.2	34.7	30.5	34.3	36.2	36.7	40.7	39.1
2	45.3	39.7	40.9	42.5	49.1	37.7	41.4	34.3	33.8	38.2	40.2	41.2	38.9	41.2	38.7	33.0	39.2	35.7	34.7	32.8	35.7	36.2	37.4	38.6	38.6
3	39.2	39.7	40.2	41.7	41.7	41.2	34.3	37.7	36.7	27.8	44.1	42.2	48.6	50.1	45.3	40.9	41.2	39.2	37.7	35.7	35.7	37.2	38.2	38.7	39.8
4 Q	39.4	39.2	39.7	40.9	39.7	39.2	41.2	41.2	39.2	38.2	38.7	39.7	40.2	40.4	41.7	42.2	41.4	38.7	36.2	35.7	36.2	37.7	38.2	39.2	39.3
5	39.2	38.9	38.7	38.4	37.9	39.7	38.7	38.7	38.7	38.2	35.4	39.7	41.7	40.4	36.4	40.4	41.7	38.7	33.8	33.3	34.3	35.7	37.2	38.2	38.1
6	39.2	39.4	39.9	38.7	43.2	38.2	35.2	36.7	41.2	41.2	38.2	42.2	40.2	42.7	46.1	47.6	42.2	44.1	38.7	35.7	35.2	35.4	36.7	35.7	39.7
7	35.2	37.2	36.2	37.4	38.4	46.3	37.7	36.2	37.7	37.7	38.2	35.2	39.7	41.2	43.2	43.6	42.2	41.2	39.2	31.3	25.4	32.3	32.3	39.2	37.7
8	36.2	38.7	39.2	40.2	48.1	42.0	40.2	38.2	36.4	38.2	42.2	41.2	42.7	42.4	40.2	42.2	44.1	43.8	39.2	39.2	39.2	38.2	38.9	39.7	40.4
9	37.9	37.9	41.9	41.2	40.2	40.2	38.7	39.7	39.4	38.2	39.2	40.2	42.2	42.4	43.2	44.1	45.1	43.9	42.2	38.7	36.7	36.2	37.2	37.7	40.2
10 Q	37.7	38.2	39.2	39.2	38.9	38.7	38.2	37.4	37.9	38.2	38.9	39.4	40.0	40.2	41.2	42.2	42.7	40.4	38.7	36.2	35.7	35.2	37.2	37.7	38.7
11 Q	37.7	38.2	38.4	37.7	38.2	38.2	38.2	38.2	38.2	38.9	39.2	40.2	39.7	39.7	40.9	43.6	42.0	38.7	33.8	33.8	34.7	36.0	36.2	36.2	38.2
12 Q	37.2	38.4	39.2	38.4	38.4	38.4	38.4	42.2	39.7	37.7	38.9	40.2	40.2	40.2	41.2	42.4	41.9	40.2	37.7	36.7	36.7	38.2	38.2	38.2	39.1
13 Q	38.7	39.2	39.2	38.7	38.4	38.4	38.4	38.7	38.7	38.7	38.9	39.6	40.7	40.7	41.2	42.7	42.9	41.2	38.4	36.7	36.7	37.2	37.4	37.6	39.1
14	37.7	38.7	39.2	37.4	41.2	39.5	39.2	38.2	39.7	39.2	37.7	40.7	40.7	41.4	41.4	41.7	40.7	39.9	37.7	37.4	36.2	34.7	35.9	35.4	38.8
15	37.2	37.4	37.4	37.2	36.7	36.0	36.7	39.4	25.8	41.2	44.6	41.2	40.7	41.2	41.7	41.7	39.0	37.7	35.2	33.8	32.8	35.7	37.2	38.2	37.7
16	38.7	39.2	39.4	39.4	39.4	38.9	45.3	41.2	41.2	40.2	39.7	46.1	37.2	46.6	48.8	40.2	40.2	40.2	36.2	35.7	36.2	37.4	38.2	37.2	40.1
17	38.9	38.9	38.9	39.2	38.4	38.4	38.7	37.2	39.9	37.2	43.2	43.2	44.1	43.8	42.9	43.6	41.2	37.7	36.7	35.2	22.4	29.8	34.3	36.7	38.4
18	37.4	38.2	39.2	39.4	38.2	36.7	37.4	38.2	43.2	41.2	40.2	41.2	43.2	43.2	42.7	42.2	40.2	38.7	36.7	35.7	33.8	34.7	36.7	38.2	39.0
19	38.4	38.7	38.4	39.2	38.9	38.7	39.2	39.2	39.2	39.2	37.7	39.2	40.2	42.2	41.7	41.4	41.4	37.2	34.7	34.9	35.7	36.7	37.4	38.2	38.6
20	39.2	38.7	38.9	38.2	37.2	37.2	37.2	37.9	38.2	38.2	38.9	39.2	39.7	40.7	41.2	41.2	40.7	39.2	35.7	35.7	36.2	35.7	37.2	37.2	38.3
21 D	38.2	38.4	37.4	39.7	37.2	38.2	49.1	37.2	37.2	51.1	44.6	49.1	46.6	44.6	42.7	41.2	40.7	39.2	34.7	34.3	35.0	36.2	37.4	36.7	40.3
22	36.7	43.2	39.7	41.7	41.7	42.2	30.3	31.3	37.2	37.2	38.7	31.8	44.1	38.9	44.1	40.7	32.8	34.3	31.3	33.3	35.2	36.4	38.2	38.7	37.5
23	39.4	39.4	42.2	48.1	41.2	43.2	43.2	42.2	38.2	38.7	39.2	38.2	40.2	40.2	43.2	42.4	40.7	39.7	38.2	37.4	37.2	37.2	37.2	38.2	40.2
24	38.2	38.9	39.2	38.9	38.9	38.9	39.2	41.2	47.1	38.7	40.4	41.9	38.4	40.4	42.2	41.7	40.7	38.3	37.2	36.7	36.2	36.2	37.7	38.2	39.4
25	38.2	39.2	44.1	39.9	38.7	38.2	38.2	38.4	40.2	38.2	36.2	40.7	41.7	37.4	37.7	37.7	37.7	36.2	35.2	35.2	37.2	37.2	38.2	38.2	38.3
26 D	38.7	38.7	38.2	38.2	38.2	38.2	38.2	41.2	47.1	37.2	47.1	42.2	39.2	38.2	37.7	36.2	21.0	19.9	29.8	34.7	29.3	32.3	36.2	35.7	36.4
27 D	36.2	40.2	40.2	38.9	37.4	41.7	27.3	52.1	44.1	52.1	33.3	66.9	45.1	36.2	33.3	35.2	28.8	27.3	28.3	32.8	35.2	38.2	38.7	40.7	38.8
28 D	45.1	40.7	51.6	49.6	39.2	39.2	42.2	33.3	33.3	40.7	34.0	32.3	45.1	43.2	37.2	41.2	35.7	35.7	33.8	32.3	34.3	33.8	37.2	37.7	38.7
29	40.2	40.9	41.2	42.2	39.7	39.2	39.4	38.2	40.2	40.7	33.5	40.2	38.2	34.5	33.8	38.2	39.2	37.4	35.2	34.3	32.8	35.0	37.2	38.7	37.9
30	40.8	41.7	40.2	40.2	39.9	39.6	51.1	26.3	38.2	38.2	39.2	38.2	37.7	38.2	40.2	40.2	39.2	36.2	34.3	33.8	34.7	35.7	37.2	37.4	38.3
31																									
Mean	39.1	39.3	40.1	40.2	39.8	39.4	39.2	38.4	38.9	39.4	39.0	40.9	41.2	41.2	41.2	41.0	39.4	38.0	35.9	35.0	34.6	35.8	37.1	38.0	38.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Meanook $Z = 58,000\ \gamma +$ November 1952

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	958	893	891	887	874	865	837	832	851	837	754	692	739	782	731	787	816	826	843	837	865	876	887	949	838
2	887	865	865	882	826	809	832	779	731	832	848	829	848	832	793	798	820	829	837	848	862	871	860	857	835
3	857	857	860	860	873	865	802	809	809	683	670	765	787	804	804	832	820	826	843	848	851	851	854	854	820
4 Q	854	854	860	860	848	848	843	815	835	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	844
5	848	848	848	848	848	848	848	843	837	826	802	839	843	832	815	820	826	826	837	839	848	851	851	848	838
6	848	843	843	846	915	915	910	882	826	860	820	782	759	815	854	843	843	843	854	854	854	854	860	860	849
7	860	871	880	885	891	893	871	857	848	848	853	815	854	854	857	853	854	854	837	832	854	865	915	882	862
8	865	864	865	882	904	871	899	882	871	848	815	826	848	843	843	843	848	848	854	860	865	860	871	865	860
9	860	865	854	882	893	871	843	848	848	837	832	832	835	843	848	854	852	852	854	854	854	854	854	854	853
10 Q	852	852	852	852	852	848	848	848	848	848	848	848	848	848	848	848	848	848	848	848	848	848	848	848	849
11 Q	848	848	848	848	848	848	848	848	848	848	848	848	848	848	848	848	843	837	832	832	843	848	848	848	846
12 Q	848	848	848	848	848	848	848	854	848	848	848	846	846	846	846	846	846	846	846	846	846	846	846	846	847
13 Q	846	846	846	846	846	846	846	846	846	846	837	846	846	846	846	846	846	846	843	843	843	843	843	843	845
14	843	843	843	846	857	854	854	843	832	826	829	837	843	843	843	843	843	843	843	843	843	843	843	843	843
15	843	843	843	844	844	854	854	852	670	703	765	848	857	854	848	843	837	837	843	843	848	848	848	848	830
16	843	843	843	843	843	848	843	848	798	843	852	835	742	664	715	832	837	848	854	854	854	854	854	854	827
17	851	851	851	851	851	851	851	832	787	776	815	860	854	848	848	837	837	837	837	837	837	862	860	860	841
18	860	848	848	848	843	843	843	826	776	770	848	857	848	848	848	848	848	854	854	854	854	854	854	854	843
19	854	854	854	854	854	854	854	854	854	854	826	832	843	843	843	843	843	843	843	848	854	854	854	854	848
20	852	852	854	854	851	848	848	848	848	848	843	843	843	843	843	843	843	843	843	843	843	843	846	846	846
21 D	852	854	857	863	876	887	868	854	782	798	826	893	893	893	865	865	860	865	865	865	865	865	865	865	860
22	904	965	904	882	865	843	782	754	798	832	820	742	726	782	782	832	832	860	854	860	860	860	865	865	837
23	865	865	871	882	879	854	720	793	798	763	804	843	865	865	852	852	852	854	854	854	860	860	860	854	842
24	854	854	854	854	854	854	854	848	813	726	820	851	826	804	837	834	843	854	857	880	857	857	857	857	842
25	860	868	866	866	860	854	854	854	835	765	804	843	843	832	820	829	837	837	848	854	854	854	854	854	844
26 D	854	854	854	854	854	854	832	820	820	742	782	860	832	793	832	809	793	770	820	854	926	921	943	965	843
27 D	899	876	865	876	910	860	876	715	726	715	715	625	837	558	826	826	826	854	871	882	904	893	893	938	824
28 D	915	893	876	876	871	871	860	802	820	843	782	793	737	798	826	865	871	876	882	887	887	874	882	893	853
29	882	882	880	876	871	865	863	860	809	826	826	763	742	787	843	835	848	854	871	876	865	868	871	876	847
30	876	876	871	868	868	871	832	765	832	865	860	837	837	848	848	852	860	860	865	865	865	871	871	876	856
31																									
Mean	865	862	860	862	864	858	845	830	815	810	814	819	824	818	830	838	840	844	849	853	858	860	863	867	844

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook — November 1952

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	23	40	1000	11	58	581	419	00	34	56.6	10	50	22.4	34.2	23	43	1075	12	01	602	473
2	00	06	938	09	11	751	187	04	26	65.7	08	11	22.2	43.5	00	01	944	08	11	666	278
3	13	29	899	09	51	653	246	10	34	54.2	09	50	14.0	40.2	04	56	886	09	44	558	328
4 Q	07	25	915	17	14	854	61	06	59	51.1	07	40	32.3	18.8	02	55	873	07	34	757	116
5	11	18	894	10	08	844	50	16	06	44.3	09	55	29.9	14.4	21	22	860	10	10	758	102
6	07	44	997	12	35	629	368	04	45	53.0	07	59	26.8	26.2	04	41	951	12	34	727	224
7	23	07	917	19	27	752	165	05	30	52.0	20	36	16.5	35.5	22	34	948	11	43	771	177
8	06	16	933	22	12	810	123	04	48	57.0	20	12	29.7	27.3	06	18	939	10	59	786	153
9	04	02	900	17	56	839	61	16	47	47.5	00	07	34.6	12.9	04	03	915	10	31	819	96
10 Q	07	00	895	17	21	838	57	17	14	45.5	21	30	33.8	11.7	21	04	858	05	13	841	17
11 Q	02	44	885	17	35	842	43	15	52	45.3	19	01	31.7	13.6	21	37	860	18	46	824	36
12 Q	08	08	897	17	07	854	43	08	00	46.4	08	41	35.1	11.3	08	01	864	08	19	832	32
13 Q	23	05	892	17	43	863	29	15	58	44.1	19	57	35.6	08.5	19	55	850	23	35	835	15
14	12	28	899	08	35	845	54	04	08	47.1	21	43	33.3	13.8	06	51	870	08	51	815	55
15	01	05	904	08	45	628	276	09	41	50.1	08	55	17.2	32.9	06	55	871	08	45	592	279
16	14	32	932	12	46	581	351	06	34	57.4	12	32	20.0	37.4	07	00	892	14	16	608	284
17	21	30	916	09	07	752	164	15	18	46.7	20	30	18.5	28.2	21	29	893	08	14	721	172
18	00	16	909	08	52	730	179	08	17	49.9	08	57	27.3	22.6	00	26	880	09	06	681	199
19	13	40	887	10	45	839	48	13	02	44.9	10	42	32.5	12.4	07	06	861	10	46	807	54
20	21	13	895	17	35	847	48	17	37	43.0	18	14	33.7	09.3	03	04	862	13	13	836	26
21 D	13	36	971	08	10	301	670	11	16	82.7	07	50	-35.0	117.7	07	47	1066	08	07	637	429
22	01	16	931	11	49	597	334	12	13	58.1	06	51	17.4	40.7	01	12	994	12	11	645	349
23	05	53	929	10	30	744	185	05	53	56.1	09	24	32.3	23.8	03	19	896	06	13	670	226
24	10	27	908	09	38	789	119	08	47	50.9	12	46	30.2	20.7	17	01	873	09	39	644	229
25	10	55	902	09	56	790	112	02	13	51.3	09	50	29.9	21.4	02	21	876	09	57	701	175
26 D	22	43	1147	09	15	402	745	10	25	55.6	17	29	14.5	41.1	23	35	1041	09	12	627	414
27 D	00	50	955	09	22	219	736	11	44	132.2	08	55	01.6	130.6	12	00	1129	11	35	465	664
28 D	07	15	962	10	37	402	560	02	40	66.4	08	04	24.8	41.6	07	34	936	10	37	426	510
29	01	12	912	12	44	710	202	11	46	46.5	13	34	29.8	16.7	19	22	893	12	43	683	210
30	06	26	906	07	31	773	133	06	26	59.5	07	30	13.3	46.2	02	11	883	07	22	707	176
31																					
Mean			928			702	226			55.3			23.5	31.8			918			701	217
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 1952

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	871	871	871	871	849	845	845	849	806	776	849	867	871	871	827	849	849	835	849	871	845	849	867	867	851
2 D	882	938	860	890	895	895	895	895	849	845	824	849	849	714	512	647	871	895	867	840	849	882	882	895	842
3	895	895	882	882	913	938	855	871	860	860	871	871	871	860	860	890	882	871	890	890	895	882	890	906	882
4 D	938	1208	1023	927	895	912	824	895	802	826	845	668	793	793	804	845	871	845	782	810	824	847	881	882	864
5	886	878	904	878	878	871	882	860	816	750	804	841	835	874	868	863	859	859	850	843	835	867	871	871	856
6	871	902	902	890	909	902	902	890	898	898	894	898	894	890	890	894	890	902	898	898	898	898	902	909	897
7	912	909	902	913	917	909	907	906	913	913	902	906	909	906	906	907	902	894	894	893	898	902	906	909	906
8	909	913	917	915	917	912	913	902	902	909	913	917	913	909	903	906	915	908	907	907	907	907	909	915	910
9 Q	921	920	917	915	912	913	909	913	913	911	911	911	911	911	909	909	906	903	902	906	907	911	911	913	911
10	917	913	907	904	903	903	907	902	904	906	906	894	871	894	904	886	871	890	894	894	894	903	898	902	899
11	900	901	898	897	893	912	908	891	885	858	815	850	854	830	914	916	912	901	897	898	901	903	903	901	889
12	901	901	901	908	904	905	901	893	830	844	893	877	823	753	873	877	912	901	895	894	898	906	908	908	884
13 D	901	883	893	905	917	877	784	663	582	398	477	505	569	815	947	916	901	898	898	898	905	908	897	901	802
14	902	905	905	897	901	898	894	894	893	892	889	897	893	887	885	897	901	897	897	897	901	908	916	914	898
15	910	904	907	923	925	919	911	910	911	892	857	915	911	907	904	900	896	897	904	905	911	911	907	907	906
16	910	910	910	911	910	915	905	900	893	896	880	853	869	888	888	911	900	902	894	896	904	888	892	907	897
17	907	904	904	905	943	943	923	787	884	900	892	896	897	897	896	896	896	896	904	907	911	911	913	904	901
18	923	919	915	913	911	907	904	904	907	904	904	907	909	907	904	904	900	896	870	880	900	911	907	904	905
19 Q	907	905	915	911	911	907	900	900	900	900	901	907	907	907	907	907	904	900	904	904	900	905	905	907	905
20 Q	911	911	911	909	909	911	910	910	907	907	904	902	900	904	907	911	911	907	911	911	911	911	911	911	909
21 Q	911	911	911	909	909	907	907	911	904	900	900	905	911	900	900	907	911	904	900	900	904	907	911	913	906
22	915	911	905	901	909	905	904	905	896	869	869	906	907	900	869	869	890	896	904	900	896	904	904	907	898
23 Q	907	907	907	907	904	906	901	900	900	896	894	900	907	909	911	911	909	905	904	904	904	910	913	919	906
24	923	919	905	900	911	911	907	901	901	853	798	829	872	611	751	833	907	892	888	872	857	884	907	907	868
25	915	943	927	927	911	900	892	880	869	693	760	857	794	713	865	915	907	896	892	892	892	900	904	907	873
26	904	904	907	904	897	880	886	896	899	896	884	861	869	900	907	901	896	896	896	896	900	904	911	911	896
27	907	911	900	900	904	904	888	909	904	896	884	841	900	913	911	907	900	900	900	897	897	897	927	997	904
28	896	918	915	904	904	900	900	900	900	900	900	899	900	896	861	876	880	876	849	876	880	907	896	900	893
29 D	915	907	923	927	907	907	904	896	865	709	833	872	904	896	892	865	635	716	810	845	896	939	888	927	866
30 D	939	950	911	919	927	896	958	929	923	802	751	861	802	841	810	861	791	849	900	904	911	904	911	905	881
31	927	927	911	911	909	911	915	923	911	900	826	751	822	907	876	861	892	892	888	880	869	872	888	888	886
Mean	908	919	909	906	907	904	895	887	875	848	853	858	866	861	870	882	883	884	885	887	890	898	901	907	887

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46 Meanook D = 24° E + . . . ' December 1952

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	38.5	38.9	38.9	38.9	37.7	39.5	39.5	39.5	32.8	29.2	38.9	43.7	44.7	41.4	41.4	36.0	41.4	34.0	22.0	26.8	32.2	32.8	34.0	36.5	36.6
2 D	36.5	38.9	43.7	40.9	34.0	34.0	34.5	33.6	36.5	37.7	41.4	38.9	44.2	48.7	12.3	28.0	41.4	36.5	34.0	34.0	31.7	30.5	28.8	36.0	35.7
3	34.0	38.9	38.5	41.2	42.5	38.9	41.4	37.7	34.0	35.8	36.5	40.7	41.8	41.8	41.4	40.4	41.4	38.5	40.2	36.5	36.0	33.8	36.5	34.8	38.5
4 D	36.3	48.2	50.2	40.3	40.3	46.2	34.8	33.3	23.5	35.8	39.3	37.1	34.5	40.8	39.3	38.3	42.2	39.3	26.4	26.4	26.4	29.4	34.3	41.3	36.8
5	41.8	42.2	50.7	49.2	39.8	45.2	42.7	36.8	35.8	23.9	36.3	46.4	45.2	38.3	40.3	40.3	40.3	38.3	37.3	37.3	32.4	31.9	33.8	36.3	39.3
6	39.8	41.3	40.3	50.7	40.3	40.5	39.8	33.8	36.8	37.8	38.3	39.7	39.8	40.3	40.5	42.7	42.2	38.8	38.3	37.9	37.5	37.2	38.3	37.8	39.6
7	37.8	38.8	39.8	40.5	40.3	39.8	39.3	39.8	39.3	40.3	40.3	40.3	40.7	40.8	40.3	41.8	41.8	39.8	39.3	36.8	36.3	35.3	36.3	38.1	39.3
8	38.6	39.3	39.3	40.8	40.5	40.3	40.3	34.3	40.8	40.3	40.3	41.1	40.8	42.2	42.6	41.8	42.7	41.1	38.8	38.3	37.3	36.3	37.8	38.8	39.8
9 Q	39.3	39.3	40.3	39.8	40.3	40.3	39.8	39.9	39.8	40.3	40.5	40.8	40.3	40.3	40.3	41.3	41.8	39.8	37.3	36.3	35.3	35.8	36.8	37.3	39.3
10	37.8	37.8	38.3	39.8	41.3	40.3	39.3	38.3	37.8	37.8	39.3	37.8	37.3	37.8	38.8	36.3	30.0	29.8	28.4	31.9	27.4	31.4	32.8	36.8	36.0
11	39.8	39.8	39.8	40.3	39.8	44.2	41.8	39.3	41.3	41.3	38.3	41.8	39.8	37.3	39.3	42.7	40.3	36.3	33.3	31.4	33.3	35.8	38.3	39.5	39.0
12	38.8	38.8	39.3	39.8	40.3	39.8	44.7	41.3	37.8	44.7	45.2	42.2	42.0	35.3	42.7	40.3	44.7	41.8	39.3	38.3	36.8	36.3	37.3	38.3	40.2
13 D	35.3	38.8	39.3	41.8	46.7	48.2	41.8	25.2	09.6	84.5	93.2	82.8	72.1	37.6	38.8	42.7	39.8	39.3	38.3	37.8	37.3	37.3	39.8	39.3	45.3
14	39.8	39.8	39.3	40.8	38.5	39.3	39.3	39.0	39.1	38.8	38.5	39.3	39.8	39.3	40.3	39.3	39.3	38.3	38.3	37.8	36.8	36.8	36.3	36.3	38.8
15	38.3	37.3	39.3	37.3	37.8	36.3	38.8	39.8	38.8	41.7	44.2	48.7	42.2	42.8	41.3	41.3	41.7	39.3	37.8	36.8	36.3	36.8	37.8	38.3	39.6
16	38.3	39.8	40.3	40.3	42.7	36.3	36.8	37.3	34.3	41.3	42.8	44.7	45.7	48.2	47.2	48.2	41.3	37.3	36.8	36.3	34.8	34.8	35.3	36.1	39.9
17	35.8	37.8	36.3	39.3	41.3	44.2	35.1	25.2	39.8	38.8	39.3	40.3	39.8	39.3	39.8	41.3	39.8	39.3	38.3	36.3	35.3	35.3	33.8	36.3	37.8
18	38.3	36.8	39.3	41.3	43.2	38.3	39.3	39.8	39.8	40.5	40.8	40.8	40.3	41.3	41.3	40.8	41.3	38.3	37.3	29.4	30.4	35.3	37.3	37.8	38.7
19 Q	38.3	38.8	38.8	40.3	40.8	39.8	39.8	39.8	39.5	40.3	40.3	40.3	40.3	40.8	41.3	41.3	40.8	39.8	37.3	36.8	36.8	36.8	37.4	38.8	39.4
20 Q	39.3	39.8	39.8	40.8	40.8	39.1	38.8	38.8	38.8	38.8	38.3	41.3	39.8	38.8	39.8	41.3	41.3	39.8	37.3	36.8	35.8	36.3	37.8	38.8	39.1
21 Q	39.3	39.8	40.8	40.8	40.3	39.3	43.7	38.8	38.3	39.3	39.8	41.3	40.8	39.3	37.8	40.3	40.3	39.3	36.8	36.3	36.8	37.3	38.3	37.3	39.2
22	38.3	39.3	40.3	40.3	40.3	40.3	40.8	40.3	38.3	33.8	35.3	41.3	43.7	44.2	38.8	34.3	39.3	37.8	37.8	37.8	37.8	37.8	35.8	36.8	38.8
23 Q	38.3	39.3	40.3	40.3	40.3	40.3	40.3	39.8	40.3	40.8	41.3	41.8	44.2	42.2	42.4	42.7	43.7	42.2	40.3	38.8	37.3	36.8	37.8	38.3	40.4
24	39.0	39.5	39.8	40.8	41.8	39.8	39.8	40.8	39.3	33.8	48.7	53.6	50.7	52.6	40.3	33.3	39.8	37.3	37.3	35.3	24.9	31.4	34.3	38.8	39.7
25	40.8	40.8	45.7	49.2	62.5	39.8	40.8	39.8	39.3	23.9	41.3	40.3	37.3	29.4	43.2	45.2	44.2	42.7	41.3	37.3	37.3	36.3	37.3	38.3	40.6
26	40.3	40.3	41.3	41.8	41.8	62.0	49.7	42.2	39.3	38.8	40.8	42.7	41.3	44.2	42.7	43.7	44.2	42.7	39.3	38.8	36.8	37.3	38.3	38.8	42.0
27	39.3	39.8	42.2	42.7	41.8	40.8	44.7	45.7	40.8	39.8	38.3	34.8	37.3	40.8	42.7	44.2	44.7	43.7	39.8	36.3	33.8	32.8	31.4	28.9	39.5
28	33.8	39.8	41.3	40.8	40.3	39.3	38.8	38.8	38.3	39.3	40.8	41.3	38.8	42.2	40.3	40.8	43.7	38.3	29.9	31.4	32.8	36.3	36.3	38.3	38.4
29 D	38.8	39.8	50.2	53.1	41.3	41.8	41.3	41.3	40.3	21.5	45.2	49.7	44.2	43.2	44.7	44.2	21.5	15.3	26.4	27.9	31.9	37.3	40.3	39.3	38.4
30 D	41.3	46.7	41.3	53.6	46.7	45.7	41.3	36.8	29.9	29.4	54.1	48.7	46.2	44.7	44.7	44.7	36.3	30.4	32.4	34.8	36.3	37.8	41.3	46.2	41.3
31	41.3	54.1	45.2	39.8	40.8	40.8	52.6	47.7	41.7	40.8	40.8	32.4	37.3	47.7	45.2	44.7	43.7	39.3	36.8	36.3	35.3	32.8	35.8	36.8	41.2
Mean	38.5	40.3	41.3	42.2	41.5	41.3	40.7	38.2	36.8	38.4	42.5	43.1	42.4	41.4	40.4	40.8	40.5	37.9	35.9	35.2	34.4	35.2	36.4	37.8	39.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Meanook $Z = 58,000\ \gamma +$ December 1952

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	870	870	870	869	872	875	881	873	809	730	835	860	869	867	816	849	850	852	843	862	868	912	930	930	861
2 D	930	893	908	918	913	918	927	927	893	876	845	876	842	738	658	738	858	894	885	882	910	937	943	945	877
3	918	893	903	910	893	826	844	876	845	855	868	867	874	856	853	857	864	865	869	867	874	883	910	908	874
4 D	963	867	995	955	931	886	813	788	749	819	839	786	840	818	834	850	854	853	863	893	876	893	921	943	868
5	943	937	921	921	915	898	893	870	837	720	765	819	832	876	870	870	870	870	870	870	882	870	887	876	870
6	876	876	876	876	865	870	870	854	865	865	865	865	865	865	865	874	865	865	865	870	870	876	870	870	868
7	870	870	872	872	873	873	870	877	860	874	876	876	870	870	870	865	865	865	867	870	876	876	876	876	871
8	876	881	876	876	876	870	870	848	852	876	876	882	878	870	865	854	854	854	870	870	872	869	870	873	869
9 Q	874	875	876	876	877	877	878	876	870	874	874	875	876	876	877	877	878	876	873	872	872	870	870	869	874
10	870	870	876	887	893	893	876	870	870	870	865	854	820	815	820	832	826	832	848	870	876	887	893	883	862
11	882	876	876	876	882	910	893	870	843	826	787	815	832	804	854	859	859	859	865	876	865	870	876	876	860
12	876	876	876	876	876	876	865	870	742	748	826	837	798	726	765	787	832	854	865	865	865	865	870	876	838
13 D	882	893	898	910	904	820	832	709	854	943	1166	943	843	887	898	887	870	870	876	876	876	876	876	876	886
14	876	876	876	882	876	876	876	876	876	876	876	876	870	865	865	876	870	865	870	870	870	876	882	876	874
15	876	882	887	904	921	910	887	898	904	826	832	876	887	882	874	874	870	870	870	870	870	870	870	870	878
16	870	870	870	870	876	882	885	882	876	882	876	854	809	832	837	848	848	854	865	870	876	876	887	898	866
17	898	904	910	926	943	915	887	753	809	876	882	882	874	874	876	876	870	870	870	870	870	870	876	876	877
18	882	882	898	926	915	898	882	878	878	878	876	870	870	870	870	870	865	865	870	882	876	870	870	876	880
19 Q	876	876	876	876	876	876	876	876	876	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870	872
20 Q	870	870	870	870	870	870	870	870	870	865	859	859	854	854	859	863	863	863	859	859	865	865	865	870	865
21 Q	870	870	870	870	870	870	863	863	863	863	865	865	865	863	854	863	863	863	865	865	870	876	876	876	867
22	876	876	876	876	874	874	874	870	865	815	789	859	870	859	832	815	787	809	820	832	843	859	870	870	850
23 Q	870	870	870	870	870	867	867	867	867	859	854	865	865	870	865	865	865	865	859	863	863	863	863	865	865
24	865	865	865	882	904	870	865	852	840	770	648	709	765	653	731	809	843	843	854	870	865	865	898	915	827
25	921	943	921	921	893	887	870	848	792	631	742	854	809	781	820	854	859	865	876	876	870	876	882	876	853
26	878	878	878	887	885	876	854	863	870	870	859	787	787	854	876	868	874	876	870	870	870	870	870	870	866
27	870	873	882	885	885	876	815	826	854	857	848	809	857	876	876	874	874	874	874	870	865	868	915	997	871
28	893	876	887	885	874	870	870	870	874	874	874	859	868	859	848	845	835	843	848	854	859	882	898	937	870
29 D	943	902	926	904	898	902	896	870	809	642	781	837	876	876	865	826	753	770	820	854	893	910	907	932	858
30 D	949	949	893	943	898	921	926	926	865	742	733	843	826	876	815	854	815	826	854	865	882	898	904	921	872
31	898	910	898	887	893	898	898	854	898	887	848	762	815	874	852	854	876	859	865	882	896	891	887	898	874
Mean	891	885	890	893	890	882	873	860	851	831	845	848	848	844	843	852	853	857	863	869	873	877	886	893	867

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook December 1952

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,000 γ +			Minimum 58,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	23	45	927	09	12	665	262	13	50	48.7	09	09	17.1	31.6	23	46	960	09	14	634	326
2 D	01	10	1051	15	11	354	697	13	38	60.7	14	30	-3.3	64.0	01	10	1075	14	35	539	536
3	05	00	1118	06	54	781	337	05	08	107.9	05	43	20.8	87.1	05	00	1005	14	35	729	276
4 D	01	18	1477	12	14	534	943	01	44	68.9	08	10	-11.4	80.3	00	55	1072	08	07	588	484
5	01	34	951	09	01	690	261	02	19	64.8	09	22	18.2	46.6	00	17	1003	09	36	666	337
6	04	35	942	07	50	867	75	04	26	69.9	07	40	24.8	45.1	04	20	900	04	41	820	80
7	08	42	941	19	02	878	63	15	57	45.2	08	25	32.4	12.8	08	32	898	08	55	809	89
8	08	22	928	07	55	865	63	14	08	45.1	07	50	20.9	24.2	09	20	888	07	58	808	80
9 Q	00	46	929	18	24	892	37	16	13	44.2	20	23	34.7	09.5	05	59	885	06	11	862	23
10	21	54	931	12	55	846	85	04	07	48.0	20	52	25.3	22.7	22	01	912	12	55	776	136
11	05	35	967	10	00	778	189	05	27	55.0	20	00	30.2	24.8	05	29	942	10	52	736	206
12	16	26	926	13	17	600	326	06	55	57.4	13	08	27.0	30.4	07	26	889	13	17	665	224
13 D	05	11	921	11	30	-208	1129	09	31	179.5	11	32	-62.9	242.4	10	34	1465	08	27	408	1057
14	22	47	1025	14	13	866	159	03	25	44.2	23	19	32.4	11.8	22	47	894	14	14	852	42
15	09	30	995	10	32	705	290	11	12	55.9	10	00	26.4	29.5	09	06	945	09	59	717	228
16	00	44	929	11	45	796	133	15	12	52.5	08	23	29.4	23.1	09	42	907	12	30	791	116
17	06	55	1219	07	11	576	643	06	49	57.1	06	58	-35.9	93.0	04	29	962	07	07	526	436
18	22	59	931	00	58	853	78	04	20	46.2	19	58	25.9	20.3	03	46	953	17	03	854	99
19 Q	02	01	921	01	13	888	33	14	16	43.2	20	42	35.3	07.9	01	48	888	16	54	859	29
20 Q	20	47	933	13	14	890	43	11	30	44.0	20	47	34.2	09.8	03	55	876	13	15	842	34
21 Q	00	55	923	08	57	884	39	06	46	47.8	20	05	35.3	12.5	10	59	885	14	34	847	38
22	00	35	923	10	02	839	84	13	38	45.6	09	54	28.6	17.0	03	31	882	10	08	746	136
23 Q	23	06	929	09	51	879	50	12	18	45.8	21	52	35.1	10.7	03	09	876	09	51	849	27
24	15	41	950	13	24	475	475	13	12	73.5	15	14	17.5	56.2	23	14	939	10	07	501	438
25	03	52	1088	09	25	381	707	03	57	73.5	09	20	-16.8	90.3	03	55	1008	09	18	481	527
26	13	35	927	11	47	824	103	05	38	69.4	20	24	34.0	35.4	05	47	896	11	48	624	272
27	23	14	1196	11	43	826	370	06	24	53.6	23	11	11.6	42.0	23	06	1109	06	31	781	328
28	23	58	974	15	05	794	180	15	55	52.5	18	22	24.0	28.5	23	59	960	16	12	797	163
29 D	21	40	1048	16	45	553	495	02	58	82.3	09	12	11.6	70.7	02	53	1050	09	12	532	518
30 D	06	09	1047	10	55	650	397	03	57	68.9	09	18	-2.3	71.2	01	15	1033	09	14	660	373
31	06	51	968	10	58	763	205	01	41	74.0	11	55	22.3	51.7	01	24	953	10	57	706	247
Mean			998			709	289			62.1			16.8	45.3			965			710	255
No. days			31			31	31			31			31	31			31			31	31

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

HORIZONTAL INTENSITY (gammas) (All Days)

Table 49 Meanook 1952

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	+26	+32	+31	+34	+39	+34	+24	-15	-15	-28	-35	-40	-42	-42	-45	-6	+2	-1	+4	+4	-1	+6	+14	+22
February	+36	+47	+41	+38	+46	+36	+24	+11	-22	-74	-63	-98	-60	-23	-1	+2	-12	0	+2	-3	+2	+12	+28	+30
March	+70	+84	+70	+65	+34	+36	+22	-25	-65	-111	-144	-83	-63	-38	-18	-16	-6	+2	-2	+2	+16	+35	+62	+71
April	+78	+77	+76	+84	+69	+34	-19	-48	-104	-98	-109	-83	-34	-37	-30	-13	-15	-13	-8	+8	+26	+38	+52	+76
May	+91	+99	+82	+41	+41	+1	-9	-72	-100	-131	-91	-54	-48	-24	-11	-11	-11	-8	-3	+9	+23	+39	+68	+85
June	+40	+49	+61	+56	+25	+20	-5	-10	-48	-53	-60	-68	-52	-25	-11	+1	+8	+5	-3	-1	+4	+9	+20	+37
July	+27	+33	+30	+32	+27	+19	+9	-19	-22	-38	-50	-49	-25	-22	+3	+10	+6	+4	-1	-3	+1	+7	+10	+18
August	+24	+42	+36	+35	+23	+15	+11	-16	-23	-26	-29	-41	-12	+2	+15	+7	-8	-15	-20	-18	-13	-4	+9	+17
September	+61	+60	+52	+60	+50	-3	-40	-71	-92	-93	-91	-59	-12	+10	+16	+9	+3	+7	-3	+3	+18	+29	+40	+58
October	+35	+29	+41	+33	+30	+13	-22	-27	-33	-46	-19	-30	-27	-11	-5	-11	0	-3	-9	0	-1	+10	+25	+28
November	+17	+18	+19	+19	+21	+17	+5	-4	-31	-33	-26	-31	-25	-10	+6	+8	+4	+2	-3	-4	+2	+4	+15	+18
December	+21	+32	+22	+19	+20	+17	+8	0	-12	-39	-34	-29	-21	-26	-17	-5	-4	-3	-2	0	+3	+11	+14	+20
Year	+44	+50	+47	+43	+35	+20	+1	-25	-47	-64	-63	-55	-35	-20	-8	-2	-3	-2	-4	0	+7	+16	+30	+40
Winter	+25	+32	+28	+28	+32	+26	+15	-2	-20	-44	-40	-49	-37	-25	-14	0	-3	0	0	-1	+1	+8	+18	+22
Equinox	+61	+62	+60	+60	+46	+20	-15	-43	-74	-87	-91	-64	-34	-19	-9	-8	-4	-2	-5	+3	+15	+28	+45	+58
Summer	+46	+56	+52	+41	+29	+14	+2	-29	-48	-62	-58	-53	-34	-17	-1	+2	-1	-4	-7	-3	+4	+13	+27	+39

DECLINATION (minutes) (All Days)

Table 50 Meanook 1952

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	-2.7	-1.3	-0.5	+1.4	+3.5	+2.1	+1.8	+0.1	+1.3	+0.8	+3.4	+4.2	+1.6	+1.9	-1.1	+0.9	+2.0	+0.4	-1.8	-2.6	-3.3	-4.3	-4.2	-3.8
February	-2.4	-1.7	-1.1	+0.7	+0.9	+1.8	+1.1	+1.3	-0.9	+0.3	+3.6	+3.2	+3.0	+2.9	+2.9	+2.6	+0.7	-0.4	-2.1	-3.0	-3.6	-3.1	-3.4	-3.3
March	-3.9	-1.4	+0.3	+0.2	+0.8	0.0	-1.8	-3.7	-0.1	-0.1	0.0	+2.0	+5.2	+4.3	+5.9	+7.1	+5.4	+2.6	-1.2	-3.0	-5.0	-4.8	-4.0	-3.8
April	-5.4	-5.1	-0.9	+1.0	-0.2	+0.4	-2.6	-0.1	-3.7	-0.7	-1.6	+1.3	+4.8	+8.1	+9.1	+8.8	+7.1	+3.6	-1.1	-3 6	-4 1	-5.1	-5.4	-4.4
May	-7.4	-5.0	-4.2	-1.7	+0.6	-1.7	-3.5	-2.5	+0.2	-0.7	+3.8	+3.4	+5.8	+7.7	+8.1	+8.5	+7.0	+4.0	+0.2	-2.8	-4.1	-5.3	-5.1	-5 3
June	-7.4	-5.9	-5.0	-1.5	-2.2	-1.2	+0.1	-1.6	+2.5	+1.5	+1.0	+3.9	+6.7	+7.6	+8.5	+7.8	+8 0	+5.3	+1.9	-1.9	-5.1	-6.7	-8.5	-7.7
July	-5.4	-5.0	-3.4	-1.5	-0.4	-1.2	-0.1	-0.3	+1.0	-0.3	-0.6	+1.4	+5.0	+5.0	+8.0	+8.7	+8.0	+6.1	+2.0	-2.3	-4 2	-5.8	-7.7	-7.4
August	-4.3	-2.2	-1.5	-1.4	-0.1	+1.8	+0.1	-0.9	-1.6	+0.7	-0.1	+0.5	+2.6	+6.7	+9.1	+10.7	+8.8	+4.4	-0.7	-4.7	-6 9	-7.8	-7.4	-5.9
September	-1.8	-3.1	+0.7	-1.2	-0.6	-2.1	-0.5	-0.7	+1.8	+0.8	+4.2	+4.3	+4.4	+6.0	+7.1	+6.0	+3.4	+0.3	-3.4	-6.4	-6.0	-5.9	-4.9	-2.4
October	-2.2	-2.0	+1.0	+1.2	+3.0	+2.1	-1.0	-0.4	+2.5	+0.2	+3.8	+3.5	+4.7	+2.4	+2.2	+2.0	+1.6	-0.6	-3.1	-4.5	-5.1	-4.8	-3.6	-2.7
November	+0.3	+0.5	+1 3	+1.4	+0.9	+0.6	+0.3	-0.4	0.0	+0.5	+0.2	+2.1	+2.4	+2.3	+2.4	+2.2	+0.5	-0.9	-3.0	-3.9	-4.3	-3.0	-1.7	-0.9
December	-0.8	+1.0	+2.0	+2.9	+2.2	+2.0	+1.4	-1.1	-2.5	-0.9	+3.2	+3.8	+3.1	+2.1	+1.1	+1.5	+1.3	-1.4	-3.4	-4.1	-4.9	-4.1	-2.9	-1.5
Year	-3.6	-2.6	-0.9	+0.1	+0.7	+0.4	-0.4	-0.8	0.0	+0.2	+1.7	+2.8	+4.1	+4.8	+5.3	+5.6	+4.5	+2.0	-1.3	-3.6	-4.7	-5.1	-4.9	-4.1
Winter	-1.4	-0.4	+0.4	+1.6	+1.9	+1.6	+1.2	0.0	-0.5	+0.2	+2.6	+3.3	+2.5	+2.3	+1.3	+1.8	+1.1	-0.6	-2.6	-3.4	-4.0	-3.6	-3.0	-2.4
Equinox	-3.3	-2.9	+0.3	+0.3	+0.8	+0.1	-1.5	-1.2	+0.1	0.0	+1.6	+2.8	+4.8	+5.2	+6.1	+6.0	+4.4	+1.5	-2.2	-4.4	-5.0	-5.2	-4.5	-3.3
Summer	-6.1	-4.5	-3.5	-1.5	-0.5	-0.6	-0.8	-1.3	+0.5	+0.3	+1.0	+2.3	+5.0	+6.8	+8.4	+8.9	+8.0	+5.0	+0.8	-2.9	-5.1	-6.4	-7.2	-6.6

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Meanook 1952

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	+33	+36	+34	+37	+38	+27	+17	-20	-23	-30	-36	-40	-41	-50	-43	-24	-16	-4	+4	+12	+16	+23	+25	+39
February	+40	+35	+28	+29	+23	+6	-1	-14	-27	-53	-55	-52	-35	-28	-20	-9	-10	-2	+3	+16	+25	+31	+36	+36
March	+41	+31	+29	+29	+11	+1	-10	-20	-45	-45	-65	-60	-42	-26	-20	-15	-7	+9	+13	+24	+33	+44	+47	+51
April	+52	+43	+43	+30	+15	-10	-69	-79	-59	-42	-52	-41	-34	-32	-7	+9	+6	+11	+18	+24	+39	+45	+48	+50
May	+40	+51	+38	+26	+16	-22	-12	-56	-83	-77	-31	-33	-34	-19	-14	-13	+3	+11	+14	+25	+35	+42	+44	+37
June	+42	+45	+49	+43	+39	+15	-14	-23	-37	-37	-34	-44	-52	-49	-30	-13	-1	0	+1	+4	+10	+19	+30	+39
July	+41	+41	+38	+32	+21	+18	+1	-33	-41	-43	-36	-39	-30	-26	-22	-10	-4	+1	+2	+5	+10	+18	+28	+33
August	+34	+47	+40	+29	+22	+12	-4	-23	-44	-49	-47	-47	-27	-12	-3	-1	-4	-4	-3	+2	+10	+16	+21	+30
September	+45	+41	+41	+28	+1	-43	-55	-53	-46	-53	-65	-27	-18	-15	0	+2	+8	+13	+18	+19	+32	+37	+44	+49
October	+32	+38	+40	+34	+23	-1	-28	-28	-13	-43	-21	-36	-47	-35	-19	-18	-10	-1	+8	+18	+20	+27	+31	+37
November	+31	+18	+16	+18	+20	+14	+1	-14	-29	-34	-30	-25	-20	-26	-14	-6	-4	0	+5	+9	+14	+16	+19	+23
December	+24	+18	+23	+26	+23	+15	+6	-7	-16	-36	-22	-19	-19	-23	-24	-15	-14	-10	-4	+2	+6	+10	+19	+26
Year	+37	+37	+35	+30	+21	+3	-14	-31	-39	-45	-41	-39	-33	-28	-18	-9	-4	+2	+7	+13	+21	+27	+33	+37
Winter	+30	+27	+25	+28	+26	+16	+6	-14	-24	-38	-36	-34	-29	-32	-25	-13	-11	-4	+2	+10	+15	+20	+25	+28
Equinox	+41	+38	+38	+30	+12	-13	-40	-45	-41	-46	-51	-41	-35	-27	-12	-6	-1	+8	+14	+21	+31	+38	+42	+47
Summer	+39	+46	+41	+32	+24	+6	-7	-34	-51	-52	-37	-41	-36	-26	-17	-9	-1	+2	+4	+9	+16	+24	+31	+35

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

HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 52 Meanook 1952

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+1	+2	+1	+3	+5	+5	+5	+3	+2	-3	0	-4	-2	+5	+7	+7	+7	+2	-4	-10	-12	-10	-6	+3
February	-2	+1	+2	0	-3	+1	+3	+2	-1	-7	-5	0	-1	-2	+10	+27	+6	+2	-2	-6	-9	-8	-5	0
March	+6	+6	+6	+5	+5	+4	+6	+7	+9	+6	-12	-6	+5	+10	+9	+3	-3	-10	-12	-15	-13	-7	0	+3
April	+4	+2	+6	+5	+14	+10	-17	-3	-11	+3	-1	-11	+3	+20	+20	+13	0	-11	-17	-20	-12	-8	-1	+4
May	+15	+8	+6	+2	+1	+4	+5	+5	+4	+3	0	+3	+4	+2	+3	+1	-4	-14	-14	-15	-9	-5	-1	+4
June	-5	+16	+8	+5	+5	+4	+1	+1	-2	-1	+10	+8	+6	+12	+11	+6	-2	-11	-30	-27	-19	-6	+3	+3
July	-1	+5	+2	+1	+6	+4	+1	+4	+2	-19	+1	+8	+14	+14	+17	+12	+8	-2	-12	-17	-20	-19	-7	-3
August	+5	-4	+6	+5	+12	+13	+8	+7	+7	+6	+9	+4	+5	+15	+14	+7	-6	-19	-29	-26	-21	-15	-4	+3
September	+3	+4	-1	+4	+5	+7	0	+8	+8	0	0	-5	-2	+10	+4	-4	-12	-16	-19	-13	-4	+2	+6	+7
October	+3	+4	+5	+4	0	+2	+2	+4	+5	0	+4	+2	-1	+6	+6	+2	-1	-8	-15	-15	-11	-7	-1	+4
November	0	+1	+2	+6	+5	+2	+2	+5	+4	+2	+3	+3	+5	+4	+2	-1	-6	-13	-14	-9	-6	-2	-1	-2
December	+4	+4	+5	+3	+2	+2	-2	0	-2	-4	-5	-2	0	-1	0	+2	+1	-3	-3	-2	-2	+2	+3	+6
Year	+3	+4	+4	+4	+5	+5	+1	+4	+2	-1	0	0	+3	+8	+9	+6	-1	-9	-14	-15	-11	-7	-1	+3
Winter	+1	+2	+2	+3	+2	+2	+2	+4	+1	-3	-2	-1	0	+2	+5	+9	+2	-3	-6	-7	-7	-4	-2	+2
Equinox	+4	+4	+4	+5	+6	+6	-2	+4	+3	+2	-2	-5	+1	+12	+10	+4	-4	-11	-16	-16	-10	-5	+1	+4
Summer	+4	+6	+6	+3	+6	+6	+4	+4	+3	-3	+5	+6	+7	+11	+11	+6	-1	-12	-21	-21	-17	-11	-2	+2

DECLINATION (minutes) (Quiet Days)

Table 53 Meanook 1952

January	-2.3	-1.5	-0.7	+0.2	+0.5	+0.1	+0.4	+1.5	+0.2	-0.2	+0.9	+0.8	+0.8	+0.8	+1.0	+2.0	+3.8	+3.3	+1.3	-0.1	-1.9	-3.6	-3.8	-3.8
February	-1.2	-0.8	-0.2	+1.1	+1.9	+1.7	-0.2	-0.5	-0.3	-1.4	-0.9	+0.3	+0.4	-1.1	+1.2	+2.8	+3.6	+2.1	+1.2	-0.6	-1.7	-2.5	-2.1	-1.8
March	-2.3	-2.5	-2.2	-1.7	-0.2	+0.3	-0.6	-0.2	0.0	-0.8	-1.6	+0.4	+1.4	+2.9	+4.4	+5.9	+5.8	+4.4	+1.3	-0.8	-2.4	-3.4	-3.9	-3.8
April	-4.9	-1.9	-1.2	-1.2	+1.5	-0.3	-2.9	-0.5	-0.4	+0.6	-0.3	+1.8	+3.9	+6.4	+8.2	+9.2	+7.8	+4.9	+0.8	-4.0	-6.3	-7.5	-7.4	-6.5
May	-4.6	-2.7	-2.4	-2.0	-1.3	-1.1	-1.0	-0.9	-0.2	+0.1	+0.1	+0.9	+3.0	+4.7	+6.9	+8.2	+8.2	+6.0	+1.4	-2.4	-4.6	-5.8	-5.7	-5.4
June	-4.9	-3.1	-1.3	-0.4	-1.5	-0.7	+0.4	+0.6	-1.0	+0.6	+0.3	+2.4	+4.6	+6.8	+8.6	+9.5	+8.8	+5.6	+1.2	-3.7	-7.1	-8.7	-9.1	-8.5
July	-5.1	-4.1	-3.0	-2.1	-1.8	-2.3	-1.6	-0.7	-0.6	-0.1	+0.2	+1.2	+2.6	+5.2	+7.3	+8.3	+8.9	+7.5	+3.3	-1.1	-4.4	-6.4	-6.8	-5.6
August	-2.0	-0.6	-0.9	-1.1	-1.1	+1.1	-0.9	-1.7	-1.4	-1.2	+0.2	+0.3	+2.1	+5.0	+7.1	+8.2	+7.7	+4.9	+0.3	-4.4	-6.4	-6.7	-5.4	-2.7
September	-1.0	-1.3	-1.4	-1.3	-1.9	-1.4	-1.7	+0.2	-0.1	-0.1	+1.4	+0.9	+4.4	+3.8	+5.8	+6.9	+4.8	+1.9	-1.6	-3.7	-5.0	-4.5	-3.1	-2.7
October	-1.4	-0.8	-0.5	+0.1	+0.4	+0.1	-0.5	-0.2	-0.3	+0.2	+1.0	+0.5	+0.2	+2.1	+3.4	+4.4	+4.6	+3.0	+0.1	-2.9	-4.1	-3.7	-3.0	-2.2
November	-0.8	-0.3	+0.2	+0.1	-0.2	-0.3	0.0	+0.6	-0.2	-0.6	0.0	+0.9	+1.3	+1.3	+2.3	+3.7	+3.3	+0.9	-1.9	-3.1	-2.9	-2.0	-1.5	-1.1
December	-0.6	-0.1	+0.5	+0.9	+1.0	+0.3	+1.0	-0.1	-0.2	+0.4	+0.5	+1.6	+1.6	+0.8	+0.8	+1.9	+2.1	+0.7	-1.7	-2.5	-3.1	-2.9	-1.9	-1.4
Year	-2.6	-1.6	-1.1	-0.6	-0.2	-0.2	-0.6	-0.2	-0.4	-0.2	+0.2	+1.0	+2.2	+3.2	+4.8	+5.9	+5.8	+3.8	+0.5	-2.4	-4.2	-4.8	-4.5	-3.8
Winter	-1.2	-0.7	0.0	+0.6	+0.8	+0.4	+0.3	+0.3	-0.1	-0.4	+0.1	+1.0	+1.0	+0.4	+1.3	+2.6	+3.2	+1.8	-0.3	-1.6	-2.4	-2.8	-2.3	-2.0
Equinox	-2.4	-1.6	-1.3	-1.0	0.0	-0.3	-1.4	-0.2	-0.2	0.0	+0.1	+0.9	+2.5	+3.8	+5.5	+6.6	+5.8	+3.6	+0.2	-2.8	-4.5	-4.8	-4.3	-3.8
Summer	-4.2	-2.6	-1.9	-1.4	-1.4	-0.8	-0.8	-0.7	-0.8	-0.2	+0.2	+1.2	+3.1	+5.4	+7.5	+8.6	+8.4	+6.0	+1.6	-2.9	-5.6	-6.9	-6.8	-5.6

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Meanook 1952

January	+9	+10	+9	+10	+10	+10	+11	+7	0	-2	-2	-9	-14	-8	-7	-6	-8	-8	-7	-2	-3	0	+2	+6
February	+8	+6	+5	+9	+13	+8	+6	+4	-2	-21	-18	-8	-9	-14	-6	-1	+2	+1	-3	+1	+1	+3	+4	+5
March	+10	+8	+6	+9	+10	+9	+6	+3	+3	-3	-32	-30	-18	-6	-1	-1	-1	-1	-3	+1	+5	+7	+7	+7
April	+21	+20	+20	+21	+11	+3	-33	-10	-15	-14	-19	-31	-24	-5	+2	+1	+2	+2	-3	-3	+3	+8	+14	+22
May	+16	+16	+11	+10	+10	+4	+5	0	0	0	-8	-11	-9	-14	-8	-8	-4	-4	-10	-9	-5	-1	+3	+7
June	+18	+24	+22	+17	+13	+11	0	-11	-12	-18	+1	0	-5	-3	-2	-7	-8	-9	-16	-15	-11	-3	+4	+6
July	+11	+11	+13	+13	+14	+12	+6	+5	-2	-31	-19	-4	+1	0	+4	0	-2	-4	-7	-9	-9	-5	+1	+3
August	+4	+5	+6	+13	+18	+22	+6	+4	-2	-5	-5	-7	-11	-3	-2	-2	-6	-10	-16	-11	-3	+1	+2	+3
September	+9	+9	+9	+9	+12	+15	-13	+4	+6	-7	-20	-26	-19	+1	+2	+3	+4	+2	-3	-1	-1	+1	+2	+2
October	+4	+7	+7	+7	+11	+9	+4	-1	-5	-11	-6	-4	-9	-4	-3	-4	-3	-6	-1	+1	+3	+3	+4	+5
November	+4	+4	+5	+5	+2	+2	+1	-4	-1	+1	-1	0	0	0	0	0	-1	-2	-4	-4	-1	0	0	0
December	+3	+3	+3	+3	+4	+3	+2	+1	0	-3	-5	-2	-3	-2	-4	-1	-1	-2	-4	-3	-1	0	0	+1
Year	+10	+10	+10	+10	+11	+9	0	0	-2	-10	-11	-11	-10	-5	-2	-2	-2	-3	-6	-4	-2	+1	+4	+6
Winter	+6	+6	+6	+6	+7	+6	+5	+2	-1	-6	-6	-5	-6	-6	-4	-2	-2	-3	-4	-2	-1	+1	+2	+3
Equinox	+11	+11	+10	+12	+11	+9	-9	-1	-3	-9	-19	-23	-18	-4	0	0	0	-1	-2	0	+2	+5	+7	+9
Summer	+12	+14	+13	+13	+14	+12	+4	0	-4	-14	-8	-6	-6	-5	-2	-4	-5	-6	-12	-11	-7	-2	+2	+5

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

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Meanook 1952

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	+80	+89	+90	+87	+86	+88	+52	-13	-45	-122	-126	-142	-172	-155	-122	0	+8	+9	+38	+44	+23	+63	+65	+78
February	+48	+132	+82	+75	+104	+130	+49	-12	+13	-166	-152	-157	-175	-42	-22	-6	-39	-16	+19	+2	+21	+20	+47	+47
March	+189	+260	+195	+162	-73	+7	+76	-36	-181	-329	-421	-163	-123	-18	-30	-68	-32	+10	+33	+31	+66	+92	+165	+177
April	+148	+155	+174	+171	+159	+76	+6	-147	-233	-280	-250	-150	-36	-93	-121	-87	-97	-48	+8	+45	+87	+119	+148	+235
May	+258	+244	+200	+84	+114	-8	-79	-249	-227	-231	-227	-197	-192	-96	-60	-47	-51	-16	+12	+57	+89	+153	+237	+231
June	+124	+158	+218	+171	+56	+50	-6	-21	-225	-204	-205	-223	-212	-105	-45	+3	+43	+50	+33	+49	+63	+69	+67	+89
July	+82	+99	+80	+93	+89	+60	+37	-76	-82	-114	-169	-204	-86	-102	-15	+2	-10	+10	+24	+29	+44	+64	+68	+72
August	+38	+87	+79	+93	+56	+43	+12	+21	-8	-56	-61	-93	-47	-34	-6	-5	-38	-25	-21	-22	-22	-4	+6	+19
September	+178	+221	+134	+170	+91	-29	-164	-263	-273	-305	-366	-184	-73	+14	+84	+27	+52	+54	+60	+68	+88	+92	+121	+192
October	+147	+131	+165	+111	+75	+30	-145	-160	-88	-81	-38	-174	-179	-75	-51	-98	-5	+17	+27	+64	+50	+57	+106	+103
November	+62	+56	+58	+56	+59	+54	-5	-36	-133	-129	-123	-132	-74	-54	+22	+27	+12	+23	+20	+15	+35	+39	+65	+73
December	+64	+126	+71	+63	+57	+46	+22	+5	-47	-135	-101	-100	-68	-39	-58	-24	-37	-10	0	+8	+26	+45	+41	+51
Year	+118	+146	+129	+111	+73	+46	-12	-82	-127	-179	-187	-160	-120	-66	-35	-23	-16	+5	+21	+32	+48	+67	+94	+114
Winter	+64	+101	+75	+70	+76	+80	+30	-14	-53	-138	-126	-133	-122	-72	-45	-1	-14	+2	+19	+17	+26	+42	+54	+62
Equinox	+166	+192	+167	+154	+63	+21	-57	-152	-194	-249	-269	-168	-103	-43	-30	-56	-20	+8	+32	+52	+73	+90	+135	+177
Summer	+126	+147	+144	+110	+79	+36	-9	-81	-136	-151	-166	-179	-134	-84	-32	-12	-14	+5	+12	+28	+44	+70	+92	+103

DECLINATION (minutes) (Disturbed Days)

Table 56 Meanook 1952

January	-4.9	-2.6	-3.3	-2.6	+5.2	+3.2	+5.1	+1.4	+0.5	+1.2	+7.7	+14.7	+8.5	+6.1	+5.8	-0.3	-1.6	-4.2	-6.8	-6.4	-5.8	-7.3	-7.0	-6.6
February	-5.0	-1.6	-3.1	-5.6	-7.0	+2.5	+2.5	-1.5	+0.8	+6.1	+15.3	+10.7	+6.3	+5.2	+3.9	+1.6	-2.4	-4.7	-2.9	-3.8	-4.2	-2.7	-6.1	-5.1
March	-7.6	+3.4	+3.1	+4.7	-13.0	+1.5	-6.6	-9.3	+4.9	+7.9	-3.2	+2.4	+9.2	+6.9	+4.4	+8.2	+6.8	-0.1	-4.3	-3.7	-6.6	-5.3	-1.4	-1.7
April	-10.2	-10.4	-3.7	-1.6	-4.2	-0.8	-7.2	-3.5	-9.2	+5.3	-3.9	+6.3	+7.2	+11.8	+17.4	+20.9	+9.6	+0.6	-4.2	-5.3	-3.2	-3.7	-6.5	-1.1
May	-14.9	-6.2	-9.1	+0.6	-1.4	-7.4	-11.2	-9.8	-0.7	-0.2	+10.0	+7.6	+14.9	+12.1	+8.1	+6.0	+4.0	+3.4	-1.2	+0.9	+0.8	-2.0	-0.1	-4.0
June	-13.9	-11.3	-11.7	-6.4	-10.4	-3.7	+0.3	-2.9	+10.8	+5.9	+4.1	+11.7	+15.9	+13.7	+7.0	+4.4	+6.5	+3.8	+2.5	-2.8	-4.6	-5.8	-7.4	-6.3
July	-9.2	-7.6	-5.6	-7.0	+0.4	-4.1	+0.9	+4.9	+3.3	-4.9	+2.4	+5.5	+9.2	+4.9	+9.7	+8.7	+7.2	+7.4	+4.0	-2.7	-3.9	-4.5	-9.1	-8.9
August	-8.1	-2.4	-4.9	-4.4	-2.8	+1.7	-1.5	-2.8	-2.4	+3.7	+5.4	+4.2	+2.7	+6.6	+11.2	+13.1	+9.5	+4.8	-2.2	-4.5	-7.1	-7.4	-7.3	-4.9
September	-1.5	-7.3	+7.6	-3.9	+0.7	+4.7	+0.5	-5.6	+10.8	-0.6	+17.1	+12.2	-2.3	+5.8	+3.0	+2.9	-0.8	-4.4	-9.1	-8.2	-5.2	-7.9	-7.8	-1.5
October	-5.6	-5.2	+6.3	+1.3	+9.4	+8.3	-4.3	-3.7	+6.8	-0.2	+14.7	+8.6	+14.7	+3.1	-1.5	-8.9	-7.5	-10.4	-6.2	-5.3	-6.4	-4.9	-3.4	-0.5
November	+3.4	+1.7	+3.9	+1.4	-0.4	+1.1	+1.4	+2.5	+1.4	+5.2	-0.5	+6.2	+4.8	+2.4	+0.5	-0.1	-6.4	-6.5	-6.3	-5.6	-4.9	-3.2	-1.3	-0.3
December	-1.9	+3.0	+5.4	+6.4	+2.3	+3.7	-0.8	-5.5	-11.5	+1.9	+15.1	+11.9	+8.7	+3.5	-3.5	+0.1	-3.3	-7.3	-8.0	-7.3	-6.8	-5.0	-2.6	+0.9
Year	-6.6	-3.9	-1.3	-1.4	-1.8	+0.9	-1.7	-3.0	+1.3	+2.6	+7.0	+8.5	+8.3	+6.8	+5.5	+4.7	+1.8	-1.5	-3.7	-4.5	-4.8	-5.0	-5.0	-3.3
Winter	-2.1	+0.1	+0.7	-0.1	0.0	+2.6	+2.1	-0.8	-2.2	+3.6	+9.4	+10.9	+7.1	+4.3	+1.7	+0.3	-3.4	-5.7	-6.0	-5.8	-5.4	-4.6	-4.2	-2.8
Equinox	-6.2	-4.9	+3.3	+0.1	-1.8	+3.4	-4.4	-5.5	+3.3	+3.1	+6.2	+7.4	+7.2	+6.9	+5.8	+5.8	+2.0	-3.6	-6.0	-5.6	-5.4	-5.4	-4.8	-1.2
Summer	-11.5	-6.9	-7.8	-4.3	-3.6	-3.4	-2.9	-2.6	+2.8	+1.1	+5.5	+7.2	+10.7	+9.3	+9.0	+8.0	+6.8	+4.8	+0.8	-2.2	-3.7	-4.9	-6.0	-6.0

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Meanook 1952

January	+53	+65	+59	+49	+66	+32	+12	-36	-44	-78	-101	-117	-87	-89	-65	-39	-28	+1	+29	+47	+55	+80	+67	+72
February	+40	+33	-23	-10	-19	-38	-20	-23	-31	+6	-47	-9	-6	-26	-37	-15	-26	-2	+11	+27	+47	+49	+62	+57
March	+52	-31	-47	-33	-127	-40	+6	-1	-7	+61	-144	-20	-5	+9	-31	-40	-20	+23	+23	+46	+74	+82	+87	+88
April	+61	+44	+22	+21	-3	-43	-42	-120	-84	-81	-40	-7	-55	-86	+3	+38	-12	-5	+19	+37	+83	+83	+79	+72
May	+37	+28	-18	-23	+7	-94	-37	-140	-106	-87	+4	-20	-47	-9	-44	-63	-5	+41	+60	+99	+120	+131	+99	+71
June	+70	+72	+73	+16	+64	0	-24	+35	-32	-27	-49	-39	-136	-148	-82	-36	+5	+12	+19	+25	+30	+36	+54	+59
July	+69	+88	+69	+49	+60	+41	+14	-130	-85	+16	-10	-102	-107	-94	-106	-62	-34	-13	+24	+37	+48	+57	+90	+83
August	+56	+67	+30	-19	-3	+15	+2	-17	-43	-49	-26	-60	-33	-30	-21	-12	-8	+4	+3	+8	+26	+32	+33	+38
September	+103	+133	+111	+58	-22	-105	-161	-125	-84	-98	-219	-56	-46	-57	+26	+15	+41	+41	+39	+50	+86	+83	+93	+104
October	+80	+101	+88	+79	+44	-16	-135	-138	+11	-38	+28	-85	-180	-131	-48	-63	-26	+12	+40	+73	+62	+68	+77	+98
November	+52	+30	+25	+27	+33	+23	+11	-39	-44	-57	-72	-71	-36	-79	-28	-14	-11	-6	+12	+21	+45	+42	+50	+78
December	+61	+29	+52	+54	+37	+17	+7	-28	-38	-68	+1	-15	-27	-33	-58	-41	-42	-29	-12	+2	+15	+31	+38	+51
Year	+61	+54	+37	+22	+11	-17	-31	-64	-49	-42	-56	-50	-64	-64	-41	-28	-14	+7	+22	+39	+58	+65	+69	+73
Winter	+54	+39	+28	+30	+29	+9	+2	-32	-39	-49	-55	-53	-39	-57	-47	-27	-27	-9	+10	+24	+41	+50	+54	+64
Equinox	+74	+46	+44	+31	-27	-51	-83	-96	-41	-39	-94	-42	-72	-66	-12	-13	-4	+18	+30	+52	+76	+82	+84	+91
Summer	+57	+64	+38	+6	+32	-10	-11	-63	-67	-37	-20	-55	-81	-70	-63	-43	-10	+11	+26	+42	+56	+64	+69	+63