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RECORD OF OBSERVATIONS AT
MEANOOK MAGNETIC OBSERVATORY
1949 - 1950

H. E. Cook, A. B. Cook and R. G. Madill

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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

1949 - 1950

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 magnetic activity field sensitive to changes in the southern fringe of the auroral zone.

The magnetic activity of the years 1949 to 1950, taken as a unit, agreed with the mean of the activity of the years 1938 and 1942. These periods preceded those of maximum activity and have, more or less, a common level. Peak years of magnetic disturbance were those of 1930, 1939, 1943 and 1947.

The average annual changes in the magnetic elements during the five years 1945 to 1950 were +14.0 γ in H; -5.9' in D; -28.0 γ in Z; +18.0 γ in X; -14.0 γ in Y; -1.1' in I; and -24.6 γ in F.

Instruments

The same absolute 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:

$$\text{for D, I.M.S.} = \text{Elliott 98} + 0.20'$$

$$\text{for H, I.M.S.} = \text{Elliott 98} - 0.00121\text{H}$$

$$\text{for I, I.M.S.} = \text{M.S. 2} - 1.09'$$

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 = 7.80 γ /mm; and Z = 11.15 γ /mm. For the low sensitivity set the values were: D = 2.45'/mm; H = 22.41 γ /mm; and Z = 17.81 γ /mm. Scale values for the Kew-type set were: D = 1.30'/mm; and H = 9.22 γ /mm.

The root mean square values of the observed minus adopted photographic baseline values were for D, $\pm 0.5'$; for H, $\pm 6\gamma$; and for Z, $\pm 20\gamma$. In the computation of Z from H and I values, an error of 1 γ in H produces an error of 4.6 γ , and an error of 0.1' in I an error of 8.2 γ 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.

An analysis 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/[H² + D²]^{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 1949 - 1950 are included herewith. Angles were computed from mean annual ranges for the 18-year period 1933 to 1950 resulting in a mean of 27° 42' for magnetic azimuth and 35° 35' for inclination with r.m.s. values of $\pm 1.9^\circ$ and $\pm 2.2^\circ$, respectively.

If the range between maximum and minimum values of declination, for example, is considered to be the total result of a force acting on one side and then on the other of the magnetic meridian, it seems logical to assume that one half the range could be used in determining the distance to a source of disturbance. The following assumptions were made: that the source of disturbances at Meanook was the southern fringe of the auroral zone; that a range of 40 gammas was the result of a force at a distance of 500 miles; and that ranges varied as to the inverse squares of the distances. The following tabulation may be of interest.

DISTANCE, MEANOOK TO
AURORAL ZONE
in statute miles

Date	Year	Winter	Equinox	Summer
1944	410	435	367	428
1945	425	439	386	450
1946	357	397	316	359
1947	347	402	299	340
1948	352	385	321	344
1949	366	386	330	381
1950	351	361	328	364

A list of mean annual values of the magnetic elements for 1917 to 1950, inclusive, completes the text.

Magnetic Activity and Ratios

Month	Mean Daily Extremes			D/H	Angle	Z/[H ² +D ²] ^{1/2}	Angle
	H	D	Z				
	°	'	γ				
1949	γ	γ	γ		°	'	°
January	264	137	229	0.5189	27 26	0.7710	37 38
February	288	159	234	.5521	28 54	.7112	35 25
March	366	177	308	.4836	25 49	.7568	37 07
April	266	151	218	.5677	29 35	.7124	35 28
May	347	156	264	.4496	24 13	.6947	34 47
June	376	152	287	.4043	22 01	.7069	35 15
July	181	93	151	.5138	27 12	.7438	36 39
August	332	176	245	.5301	27 56	.6516	33 05
September	336	181	220	.5387	28 19	.5759	29 56
October	483	245	363	.5072	26 54	.6697	33 49
November	356	176	256	.4944	26 18	.6448	32 49
December	124	90	126	.7258	35 58	.8235	39 28
Mean	310	158	242	.5238	27 33	.7052	35 07
1950							
January	177	113	176	.6384	32 33	.8381	39 58
February	297	173	168	.5825	30 13	.4884	26 02
March	281	140	247	.4982	26 29	.7866	38 11
April	406	191	283	.4704	25 12	.6303	32 13
May	341	152	275	.4457	24 01	.7373	36 24
June	311	147	173	.4727	25 18	.5029	26 42
July	348	117	224	.3362	18 35	.6104	31 24
August	455	209	218	.4593	24 40	.4351	23 31
September	394	236	216	.5990	30 55	.4706	25 12
October	294	195	285	.6633	33 33	.8074	38 55
November	233	202	229	.8670	40 56	.7435	36 38
December	211	147	255	.6967	34 52	.9922	44 47
Mean	312	168	229	.5608	28 56	.6669	33 20

Mean Values for Months and Year, Meanook

Month	D East	H	Z	X	Y East	I North	F
	°	'	γ	γ	γ	°	'
	°	'	γ	γ	γ	°	'
1949	24 55.5	12774	59031	11584	5383	77 47.4	60397
January	24 55.5	12774	59031	11584	5383	77 47.4	60397
February	57.0	775	034	583	89	47.4	403
March	56.0	773	011	583	85	47.2	378
April	55.7	785	58997	594	89	46.4	366
May	52.1	799	988	612	82	45.5	361
June	51.5	800	967	614	81	45.2	340
July	51.3	809	943	623	84	44.4	319
August	49.8	794	940	611	73	45.2	313
September	49.3	791	942	609	70	45.4	314
October	48.8	772	963	593	60	46.7	330
November	50.1	785	962	603	70	45.9	331
December	49.8	813	974	629	81	44.5	350
Year	24 52.2	12789	58979	11603	5379	77 45.9	60350
1950							
January	24 47.5	12812	58974	11631	5372	77 44.6	60350
February	48.0	801	966	620	69	45.1	339
March	48.0	803	946	622	70	44.7	320
April	47.5	801	936	621	68	44.7	310
May	47.9	815	927	633	75	43.8	304
June	46.9	830	908	648	78	42.8	289
July	47.2	824	891	643	76	42.9	271
August	47.8	797	881	617	63	44.3	256
September	48.2	802	885	621	70	44.1	261
October	47.4	799	901	620	67	44.4	276
November	46.6	816	914	636	71	43.6	292
December	46.4	824	919	644	74	43.2	298
Year	24 47.4	12810	58921	11630	5371	77 44.0	60297

Mean Annual Values, Meanook

Year	D East	H	Z	X	Y East	I North	F
	°	'	γ	γ	γ	°	'
	°	'	γ	γ	γ	°	'
1917	27 46.1
1918	44.3	12938	60393	11450	6022	77 54.5	61763
1919	41.1	944	400	463	14	54.2	770
1920	38.6	923	246	445	5996	53.6	617
1921	33.3	909	190	444	71	53.7	559
1922	28.5	904	133	449	53	53.3	502
1923	23.3	882	031	439	25	53.2	398
1924	17.7	866	59943	434	5899	53.2	308
1925	10.7	852	934	433	70	53.8	296
1926	04.2	832	844	427	40	53.8	205
1927	26 56.2	815	756	425	06	53.7	115
1928	48.5	794	737	419	5770	54.6	092
1929	42.9	781	721	417	46	55.1	062
1930	39.2	755	675	400	22	56.1	022
1931	33.2	758	587	412	03	54.9	60937
1932	27.2	738	466	405	5674	54.6	815
1933	21.9	736	413	412	56	54.0	761
1934	15.3	736	367	422	34	53.5	718
1935	08.2	732	367	430	08	53.7	716
1936	03.4	728	291	435	5591	53.0	642
1937	25 59.6	729	266	442	79	52.7	618
1938	54.8	726	252	446	62	52.7	603
1939	51.6	710	225	438	44	53.2	573
1940	45.0	719	210	456	26	52.6	561
1941	38.7	717	196	464	04	52.6	547
1942	33.6	728	188	483	5492	51.8	541
1943	29.4	724	170	486	76	51.8	523
1944	23.2	740	159	509	62	50.8	515
1945	16.8	740	061	520	41	49.6	420
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

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

Table 1 Meanook

H = 12,000 γ +

January 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	788	788	796	794	797	799	754	802	781	721	725	737	772	798	793	774	794	800	773	760	763	768	777	791	777	
2 D	881	875	946	864	984	1016	893	829	759	534	273	342	456	589	749	758	792	775	785	778	789	785	783	787	751	
3 Q	794	798	801	801	798	809	804	799	794	792	793	794	794	795	797	800	800	794	782	766	772	778	783	787	793	
4 Q	787	794	798	801	802	802	798	799	799	798	798	801	803	801	803	803	803	802	789	783	785	787	787	791	796	
5 Q	796	798	800	804	803	804	804	804	805	805	805	808	805	807	809	808	810	804	795	791	788	791	792	797	801	
6	803	806	810	807	807	809	809	801	761	722	803	810	802	799	794	799	806	802	785	778	779	764	764	785	792	
7	791	826	824	817	833	898	842	817	782	781	791	792	795	794	796	794	786	771	758	766	771	768	771	788	798	
8	787	790	797	794	794	790	787	787	787	792	797	776	783	791	805	797	788	787	785	783	783	781	785	786	789	
9	784	789	794	790	790	789	791	783	766	748	712	600	674	748	793	811	828	820	762	723	741	773	787	795	766	
10	793	789	785	788	788	790	802	790	794	786	759	761	786	782	788	794	786	801	787	779	771	763	761	779	783	
11	794	790	790	797	797	797	803	787	787	739	717	724	754	801	804	804	802	794	780	771	747	770	765	813	780	
12	820	794	787	786	783	778	786	784	770	763	783	802	802	802	806	810	800	753	738	735	777	825	802	794	787	
13	817	827	801	787	781	794	787	754	711	700	643	693	775	789	799	812	807	793	772	769	768	771	774	781	771	
14	789	793	794	792	795	793	796	796	789	785	789	768	756	796	805	805	801	794	785	778	774	758	765	779	786	
15 Q	789	792	794	796	796	795	796	796	796	796	785	774	794	808	810	810	805	796	780	774	769	772	778	775	791	
16	781	787	796	789	788	789	789	788	777	749	701	788	786	777	782	815	810	785	774	770	764	775	784	788	780	
17	785	782	792	795	798	795	793	791	790	792	798	804	807	806	811	813	807	802	792	783	777	776	783	790	794	
18 D	797	801	801	808	817	812	813	811	799	715	705	774	778	780	798	798	774	783	760	761	732	746	814	786	782	
19	828	811	825	833	810	768	775	776	749	706	622	668	769	782	794	818	817	783	765	763	761	775	779	780	773	
20	783	793	795	795	806	803	803	772	778	782	780	779	771	811	807	809	805	791	779	770	770	770	776	785	788	
21	799	806	802	804	801	802	791	789	781	797	788	770	786	810	809	810	811	792	776	775	774	758	752	772	790	
22	792	795	793	794	799	804	828	817	712	785	765	704	753	785	809	822	816	809	785	778	766	760	770	784	784	
23	795	793	794	798	793	795	799	799	793	776	781	774	789	795	788	796	798	801	807	793	768	770	785	836	792	
24 D	837	812	802	803	825	798	788	784	767	769	782	779	759	732	759	786	792	794	675	700	769	804	791	808	780	
25 D	894	832	983	947	757	710	719	619	630	730	774	668	190	482	571	561	237	237	237	706	706	690	712	930	647	
26 D	768	852	1072	876	550	550	550	406	608	572	650	555	430	612	599	466	654	623	654	728	752	746	762	756	658	
27	762	783	794	824	787	780	776	748	701	731	761	763	770	773	766	745	778	753	754	752	760	764	767	767	765	
28	768	771	777	776	774	793	764	762	764	770	755	783	785	785	778	781	786	784	771	767	757	764	770	774	773	
29	771	773	775	778	780	779	788	757	767	759	763	744	776	771	779	798	791	772	769	771	775	766	771	775	773	
30 Q	778	781	783	783	783	789	785	780	784	783	785	787	787	792	794	795	790	780	770	764	766	769	773	778	782	
31	780	785	783	783	780	781	772	762	787	785	773	762	775	789	801	799	791	782	772	758	764	769	780	785	779	
Mean	798	800	816	807	793	794	787	771	763	750	741	738	737	767	781	780	776	766	752	764	766	770	776	791	774	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook

D = 24° E + ...'

January 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	51.9	53.5	53.4	55.4	57.5	54.3	69.7	54.7	54.7	53.0	62.6	61.4	50.1	54.6	55.6	52.0	55.6	56.5	51.7	49.8	47.0	48.3	48.8	48.1	54.2	
2 D	46.4	47.2	44.2	61.5	56.3	57.9	44.2	53.6	54.7	64.3	69.3	88.0	77.8	85.7	59.4	52.7	53.6	55.3	50.7	51.4	51.3	50.9	51.1	51.5	57.5	
3 Q	52.4	53.3	53.6	51.1	55.0	52.9	52.8	52.7	51.9	52.3	52.5	53.6	53.5	53.3	53.9	55.4	57.4	58.8	58.5	55.1	51.2	48.4	48.2	50.4	53.3	
4 Q	51.4	51.4	53.1	54.9	55.0	54.6	53.8	53.3	53.1	53.0	52.9	53.2	53.3	54.0	54.9	56.4	57.6	57.6	56.7	53.6	53.1	52.3	52.3	53.9	53.9	
5 Q	53.0	53.4	54.0	54.3	54.3	53.8	53.4	52.8	53.1	53.3	53.3	53.8	53.9	53.7	54.1	55.3	56.8	58.1	58.0	55.5	54.3	52.8	51.2	50.5	54.0	
6	50.7	51.5	52.3	51.7	52.5	54.2	54.4	54.1	57.3	66.5	64.9	56.6	53.5	53.7	55.0	57.0	60.0	60.6	57.5	56.2	53.6	51.9	49.6	50.0	55.2	
7	47.6	44.7	43.4	47.7	51.0	54.9	59.1	56.1	56.1	57.4	56.8	53.7	53.7	54.3	55.1	56.5	59.1	57.7	53.5	51.8	50.7	48.9	49.5	48.6	52.8	
8	49.8	51.0	54.4	54.5	55.6	55.0	54.6	54.0	53.7	54.6	55.6	55.6	53.5	53.5	55.2	59.0	57.7	50.7	50.5	54.6	51.0	49.8	51.0	51.8	53.6	
9	51.1	53.0	55.4	56.3	57.3	58.1	56.7	63.2	60.5	55.6	54.1	51.8	55.2	61.6	55.7	55.1	56.7	57.5	57.6	48.3	43.0	47.9	51.8	52.2	54.7	
10	53.3	52.7	53.9	54.8	54.7	55.0	69.1	59.9	55.0	55.8	55.0	53.9	52.7	54.3	53.9	52.3	54.5	58.2	59.7	55.3	53.5	51.3	50.2	50.9	55.0	
11	52.5	52.3	52.8	54.0	55.3	60.7	58.8	59.3	55.9	61.7	60.0	61.1	55.9	53.7	54.7	56.5	58.0	59.3	57.9	56.8	54.9	49.5	50.4	50.1	55.9	
12	52.0	52.9	54.4	57.1	57.8	58.5	57.0	55.7	51.4	53.3	53.6	55.0	55.0	54.9	56.2	58.3	62.0	64.0	49.2	59.8	53.9	52.1	50.7	50.7	55.2	
13	51.7	57.2	53.7	55.2	56.1	58.0	60.1	56.1	58.8	56.5	52.9	58.0	55.3	53.0	53.4	56.7	59.0	60.1	59.2	59.5	56.4	53.0	53.7	53.5	56.1	
14	53.9	53.8	53.7	54.5	54.7	54.6	54.4	56.1	57.2	57.4	56.3	51.5	55.2	54.0	54.9	55.2	57.4	57.0	58.9	57.9	56.4	55.2	52.6	52.1	55.2	
15 Q	53.1	52.8	53.7	54.7	54.8	55.0	54.6	54.4	53.4	54.5	55.3	60.2	54.8	56.4	54.2	55.8	58.9	60.9	61.1	59.2	56.5	53.5	50.0	51.3	55.4	
16	51.4	52.8	53.5	55.1	55.7	56.0	55.4	57.4	56.1	56.0	63.9	59.7	56.4	54.5	53.4	60.9	60.3	57.2	55.9	52.7	49.1	48.6	50.8	53.0	55.2	
17	52.9	54.3	54.3	56.1	56.1	55.8	54.6	54.6	54.7	54.9	54.6	54.1	54.4	54.2	55.3	58.3	60.8	61.5	61.3	58.1	55.3	52.2	51.8	51.6	55.4	
18 D	51.2	51.6	52.2	51.0	53.1	54.6	55.5	54.7	55.3	47.7	56.6	61.6	56.8	56.6	56.5	53.4	57.7	58.5	59.5	55.4	55.1	46.3	47.1	50.7	54.1	
19	47.8	49.8	47.2	51.1	60.3	52.1	55.7	56.7	55.5	54.9	48.8	58.5	56.6	61.8	56.9	60.8	61.9	60.9	57.7	55.3	54.3	51.9	51.1	50.4	54.9	
20	51.5	51.5	53.6	55.8	56.8	56.1	58.7	57.0	60.6	58.6	55.8	53.2	49.0	53.7	56.1	59.1	62.9	63.8	64.0	61.8	57.6	53.2	50.5	50.9	56.3	
21	50.5	49.0	50.4	53.9	54.3	54.9	59.1	57.7	57.8	57.0	55.1	55.0	52.3	53.7	55.4	58.0	60.3	60.9	58.7	58.7	57.6	55.2	51.1	50.3	55.3	
22	49.2	50.1	53.4	54.7	55.4	59.7	65.6	53.2	47.2	62.8	62.9	57.2	62.6	58.1	55.0	58.9	61.8	61.9	62.8	59.1	55.7	53.4	52.0	51.5	56.8	
23	52.5	52.8	53.0	54.1	55.6	56.7	55.5	55.5	54.9	51.6	57.5	56.7	55.5	56.2	48.9	49.5	50.9	52.4	56.1	58.3	58.8	53.8	50.7	50.3	54.1	
24 D	51.1	53.0	52.6	54.3	57.9	54.8	55.3	55.5	57.2	56.2	55.7	56.4	55.5	52.3	56.9	56.4	58.5	60.3	76.5	63.3	49.6	45.5	48.7	56.4	55.8	
25 D	64.3	73.2	72.8	72.1	61.8	38.5	42.8	25.3	49.8	51.0	55.0	55.5	42.1	66.1	48.8	51.5	48.8	63.5	92.5	89.6	102.6	108.8	81.5	79.8	64.1	
26 D	53.0	43.4	38.5	23.0	52.3	49.4	58.3	44.6	58.0	59.0	59.0	62.6	63.1	52.8	42.7	46.5	54.2	52.3	47.4	51.8	55.4	58.5	57.8	56.7	51.7	
27	56.0	54.3	54.1	65.3	57.3	59.5	60.1	58.9	56.7	59.8	58.2	57.9	57.1	56.3	53.3	55.1	57.7	63.6	64.5	60.5	58.3	54.0	56.0	56.2	57.9	
28	56.3	56.0	56.0	56.5	57.6	65.5	55.2	54.9	59.7	57.1	60.8	59.4	57.6	56.8	53.7	54.1	57.9	58.3	60.4	57.8	55.9	54.6	55.1	55.9	57.2	
29	56.0	57.0	57.2	56.1	56.0	56.6	63.2	54.0	55.3	56.0	59.0	59.8	56.3	53.4	53.2	59.7	61.5	61.3	60.0	59.3	57.1	56.0	55.8	55.8	57.3	
30 Q	55.9	55.5	55.7	55.7	56.1	55.7	55.3	56.4	56.1	56.2	56.4	56.6	56.2	56.2	56.8	58.7	62.4	63.2	62.0	58.8	56.9	54.4	54.5	54.4	56.9	
31	54.9	54.9	55.4	56.1	56.2	54.9	57.2	56.0	57.7	56.1	56.2	53.7	57.4	59.2	58.8	61.1	62.5	59.2	59.3	55.8	52.4	52.2	52.5	53.6	56.4	
Mean	52.4	52.9	53.1	54.5	55.8	55.4	56.8	54.5	55.5	56.3	57.1	57.6	55.6	56.5	54.4	56.0	58.2	59.0	59.7	57.6	55.5	53.7	52.5	52.9	55.5	

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

Table 3 Meanook

$Z = 58500 \gamma +$

January 1949

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	541	535	542	562	560	544	503	544	535	480	454	468	488	519	514	513	517	524	523	533	533	540	551	578	525
2 D	654	634	607	496	607	572	515	506	490	449	403	246	283	307	402	512	551	530	542	546	552	550	545	542	502
3 Q	546	546	548	551	555	558	546	542	537	537	538	536	535	534	536	537	536	535	536	538	539	541	544	545	541
4 Q	538	537	539	537	536	535	533	532	532	533	532	533	534	532	533	534	535	532	531	539	539	537	534	533	535
5 Q	532	531	532	529	528	527	528	526	524	525	526	527	526	526	525	528	526	529	529	533	531	527	527	527	528
6	528	528	532	535	534	533	531	532	477	423	506	527	528	525	523	521	522	521	521	523	522	522	531	535	519
7	546	564	586	587	583	615	607	586	536	529	532	529	526	524	525	524	521	519	519	522	519	523	535	560	548
8	542	540	537	534	529	529	523	522	510	514	512	499	471	472	495	500	515	519	517	527	533	532	532	538	518
9	542	545	545	545	540	525	532	510	472	470	469	386	326	382	440	482	508	512	515	523	542	548	544	539	498
10	534	538	541	540	539	542	494	501	515	515	478	443	481	471	499	538	518	529	534	536	542	556	579	542	521
11	540	533	534	544	551	554	521	522	520	487	462	469	481	521	532	533	532	529	535	539	551	575	575	608	531
12	599	555	544	542	542	534	519	504	482	467	489	521	523	524	528	529	524	517	518	552	603	613	581	565	536
13	587	579	553	549	552	562	547	499	465	439	389	413	488	511	526	536	533	531	532	534	532	534	535	532	519
14	529	529	532	529	529	526	529	513	492	497	512	489	465	488	510	524	522	522	523	531	529	529	531	532	517
15 Q	526	525	526	526	531	522	522	522	520	513	488	444	477	498	517	525	526	526	526	525	520	521	523	526	516
16	531	531	539	540	534	531	528	527	504	430	367	477	479	469	448	491	504	499	509	527	528	531	531	532	504
17	541	545	541	534	530	523	520	518	509	499	509	513	518	518	521	526	526	526	525	527	522	521	525	526	524
18 D	522	527	531	549	569	565	544	532	528	481	476	487	492	489	506	516	498	505	511	518	518	548	595	587	525
19	589	565	592	615	563	458	487	506	530	451	421	428	484	492	522	530	530	531	539	549	545	552	550	545	524
20	539	541	544	541	540	543	552	472	468	500	502	499	477	517	522	522	520	518	527	536	533	532	534	534	521
21	537	536	541	541	547	563	569	534	484	509	509	495	498	518	532	533	530	531	534	539	543	544	546	547	532
22	552	565	561	550	552	574	586	574	425	476	489	455	423	492	543	550	532	532	533	537	536	539	543	538	527
23	538	537	539	539	544	544	535	532	520	452	459	468	484	469	445	466	504	525	527	541	547	563	577	622	519
24 D	628	582	587	590	586	580	555	538	509	487	506	511	469	401	458	481	506	524	546	755	574	561	534	531	542
25 D	543	515	565	608	655	684	736	635	574	617	636	602	601	535	393	452	382	622	861	825	563	480	377	236	571
26 D	558	456	563	423	423	380	565	660	544	628	572	615	660	533	458	505	553	538	585	590	595	595	607	606	550
27	582	586	606	618	626	620	600	582	509	510	577	574	563	555	554	547	555	550	561	566	566	574	567	567	571
28	563	563	564	563	563	558	555	546	549	561	533	528	559	553	547	554	561	557	552	561	560	562	565	563	556
29	562	561	565	563	561	564	550	522	523	544	544	513	523	530	534	552	551	545	552	559	555	557	553	552	547
30 Q	552	551	550	548	549	548	548	552	547	544	544	544	545	545	545	546	544	545	547	546	549	550	552	551	548
31	545	543	544	545	547	548	543	521	532	538	537	516	499	508	527	538	540	536	538	546	551	549	546	547	537
Mean	554	546	553	548	552	547	546	536	512	503	499	492	497	499	505	521	523	531	543	555	544	545	544	541	531

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook

January 1949

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range γ	Maximum 24° E +			Minimum 24° E +			Range '	Maximum 58,500 γ +			Minimum 58,500 γ +			Range γ
	h.	m.	γ	h.	m.	γ		h.	m.	'	h.	m.	'		h.	m.	γ	h.	m.	γ	
1	06	30	830	10	07	669	161	06	41	77.6	23	50	44.9	32.7	23	55	621	06	03	419	202
2 D	03	57	1038	10	38	028	1055	03	34	109.8	03	05	14.9	94.9	00	45	693	11	10	146	547
3 Q	05	20	811	19	42	762	49	17	10	60.6	22	53	48.1	12.5	04	42	565	13	11	531	34
4 Q	13	19	819	21	10	778	41	17	11	59.6	00	25	50.4	09.2	00	05	542	13	20	520	22
5 Q	16	47	816	21	41	784	32	17	53	59.1	22	20	49.8	09.3	21	00	535	14	08	521	14
6	12	05	815	09	23	673	142	09	45	71.3	22	16	46.0	25.3	23	03	544	08	55	382	162
7	05	23	972	19	23	747	225	05	42	75.8	02	49	38.1	37.7	05	28	671	18	00	508	163
8	15	00	825	11	52	731	94	15	20	62.5	18	25	44.4	18.1	00	05	553	12	10	453	100
9	16	28	842	11	50	474	368	13	09	75.3	20	34	36.2	39.1	21	23	568	12	43	297	271
10	07	14	845	22	38	729	116	06	22	83.8	22	05	45.3	38.5	22	04	641	06	37	410	231
11	23	52	898	10	27	635	263	05	43	70.5	23	48	39.6	30.9	23	56	695	10	34	426	269
12	00	00	879	18	22	695	184	17	37	67.8	08	54	40.5	27.3	00	02	704	09	12	414	290
13	00	54	867	10	14	581	286	08	41	69.4	08	02	38.5	30.9	00	55	623	10	15	359	264
14	07	58	817	12	31	740	77	18	04	61.5	11	45	48.0	13.5	22	54	542	12	30	439	103
15 Q	14	17	815	21	58	764	51	11	43	66.1	22	10	48.3	17.8	03	13	533	11	34	424	109
16	15	45	830	10	20	598	232	10	20	71.1	14	00	47.0	24.1	03	11	549	10	30	259	290
17	15	51	819	01	12	773	46	17	24	64.9	23	55	50.7	14.2	01	34	554	09	47	488	66
18 D	22	19	863	09	42	569	294	15	33	68.4	09	31	23.6	44.8	22	24	641	10	22	415	226
19	05	07	868	10	41	451	417	05	45	74.7	06	05	27.2	47.5	03	07	646	10	42	341	305
20	06	51	840	07	42	725	115	05	57	71.1	07	56	46.5	24.6	06	27	561	07	50	431	130
21	13	20	820	22	51	740	80	17	01	68.2	01	17	48.0	20.2	06	22	589	08	19	471	118
22	07	22	866	08	34	538	328	06	16	64.0	08	23	15.9	48.1	07	10	614	08	23	306	308
23	23	50	865	21	20	754	111	20	03	61.6	14	32	44.9	16.7	23	55	633	09	37	405	228
24 D	20	00	967	19	03	364	603	19	00	117.5	19	55	26.6	90.9	19	52	851	13	37	374	477
25 D	23	45	1050	12	25	-12	1062	20	43	177.0	07	05	14.9	162.1	19	15	1010	00	15	148	862
26 D	02	01	1312	07	05	117	1195	05	15	95.0	02	00	-5.8	100.8	07	34	867	02	22	012	855
27	03	10	867	09	02	637	230	03	31	75.1	02	52	48.2	26.9	03	09	648	09	04	436	212
28	05	37	816	07	59	726	90	05	17	76.2	07	02	49.1	27.1	07	07	585	10	56	504	81
29	06	33	818	11	04	712	106	06	26	74.5	14	35	47.0	27.5	06	35	574	08	07	485	89
30 Q	15	17	803	19	04	755	48	17	14	64.8	23	41	53.4	11.4	07	37	558	08	42	541	17
31	14	44	814	07	31	738	76	16	12	65.9	11	09	51.0	14.9	05	37	553	13	10	490	63
Mean			876			612	264			76.2			39.4	36.8			628			399	229
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 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	783	783	785	789	790	787	794	793	791	787	782	787	795	797	797	797	790	777	776	772	768	772	774	777	785	
2 Q	787	790	791	794	795	794	791	791	795	793	792	783	777	798	803	806	800	783	772	770	773	784	787	784	789	
3	787	790	798	803	799	795	793	797	795	799	797	804	811	815	816	819	815	803	780	774	783	764	799	918	802	
4 D	1049	1067	1098	1114	871	643	588	539	372	461	490	417	668	816	799	783	792	783	772	766	763	763	760	762	747	
5	768	780	778	778	780	777	777	782	789	780	780	785	794	797	797	803	809	797	781	778	769	768	768	777	783	
6 D	775	774	780	781	784	782	786	786	779	703	589	420	253	457	627	560	478	606	755	759	789	786	815	815	685	
7	847	890	968	966	888	891	848	818	661	633	577	465	771	816	798	794	787	777	762	753	750	747	751	767	780	
8 Q	775	775	779	779	782	782	784	782	779	781	789	788	792	789	778	745	745	802	779	762	756	752	751	763	775	
9 Q	776	784	788	792	795	795	796	797	795	799	799	801	802	802	802	804	806	802	785	778	767	759	762	774	790	
10	786	796	790	796	794	785	786	786	785	789	787	785	800	804	805	799	796	779	794	789	782	773	776	789	790	
11	791	801	797	794	798	797	795	797	797	765	786	809	811	800	802	802	810	801	778	768	760	731	721	783	787	
12	779	781	789	811	865	839	832	803	739	750	788	785	725	713	757	782	804	792	779	767	772	770	774	791	783	
13	799	795	807	801	809	791	809	804	779	703	739	747	787	795	801	806	794	782	770	767	761	769	771	780	782	
14	806	811	807	805	805	805	796	799	793	793	789	787	793	791	785	787	802	789	777	768	768	760	774	784	791	
15	786	794	800	805	805	800	800	802	800	794	780	810	794	797	767	727	753	761	777	771	765	763	774	784	784	
16	785	789	793	800	805	802	800	803	806	800	798	798	800	800	803	808	796	777	765	767	765	775	790	781	792	
17 D	794	807	805	811	874	854	760	803	797	733	706	657	403	359	423	572	661	772	756	752	759	776	776	802	717	
18	800	796	789	800	814	796	846	685	358	621	737	578	772	783	782	803	805	783	767	767	782	794	783	779	751	
19	790	794	788	805	805	803	790	789	782	754	751	786	797	802	799	800	793	784	767	758	750	751	763	776	782	
20	785	792	796	798	800	800	799	800	802	804	805	802	795	776	769	772	779	770	761	763	774	779	786	781	787	
21 D	792	802	813	810	833	821	821	790	722	780	791	761	738	754	799	806	835	810	786	777	777	780	786	807	791	
22 D	942	1180	1133	1014	741	705	716	428	342	458	315	705	755	784	798	792	785	786	782	796	786	775	773	775	753	
23	769	776	781	782	783	784	785	786	786	779	780	750	755	800	786	794	800	788	779	771	761	765	769	780	779	
24	782	782	808	804	786	788	770	718	778	751	640	738	669	646	709	748	783	785	774	771	769	777	763	773	755	
25 Q	787	793	789	792	793	795	795	793	808	785	774	783	793	797	800	799	792	790	787	783	773	773	776	783	789	
26	787	790	791	792	797	797	797	798	799	800	801	801	801	801	801	795	787	774	772	770	772	784	787	789	791	
27	795	802	794	787	798	809	825	640	648	596	742	669	802	809	808	804	801	784	773	770	767	770	773	778	764	
28	780	786	790	792	797	794	797	803	797	797	799	801	801	799	795	798	797	792	787	783	773	773	776	783	791	
29																										
30																										
31																										
Mean	803	818	822	821	807	793	788	761	731	735	732	729	745	761	772	775	778	780	775	770	769	769	774	787	775	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook

D = 24° E + ...'

February 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	54.5	55.0	55.3	56.0	56.1	56.6	59.1	56.3	55.2	55.0	53.8	55.7	55.7	57.0	58.4	60.3	63.1	63.1	61.7	59.0	57.2	55.5	55.2	55.2	57.1	
2 Q	54.8	55.0	55.3	55.5	56.1	56.2	55.5	55.2	57.4	54.9	57.5	56.9	55.5	59.2	61.1	61.8	63.2	62.5	59.4	56.4	54.8	54.3	53.6	54.4	56.9	
3	54.2	54.3	55.0	56.0	56.6	56.5	56.4	58.1	57.2	55.4	55.3	56.2	57.1	57.8	58.1	58.1	62.3	64.5	63.7	60.2	57.6	53.6	50.7	57.6	57.2	
4 D	57.0	59.2	57.0	59.6	64.2	58.9	60.0	58.2	58.4	66.1	52.2	53.8	68.5	57.0	57.2	59.6	60.1	61.8	62.2	63.2	61.8	58.7	57.5	56.5	59.5	
5	55.8	55.5	56.6	57.2	57.2	56.7	56.2	62.3	58.5	56.0	55.7	56.1	56.6	56.8	59.1	62.2	64.0	63.6	61.4	60.4	58.3	57.2	54.1	53.7	58.0	
6 D	53.0	53.0	53.4	54.6	55.6	56.6	57.2	55.8	54.9	59.0	91.4	98.1	99.1	71.5	54.4	48.7	52.7	64.1	65.3	53.9	49.8	51.7	50.7	51.5	60.7	
7	51.8	55.1	52.6	47.9	62.6	54.2	54.7	62.5	67.7	71.2	66.3	70.4	61.7	57.4	60.7	62.2	64.3	65.4	65.2	60.9	57.3	56.5	55.6	55.7	60.0	
8 Q	55.7	55.4	54.3	54.7	55.7	56.2	56.0	55.8	55.6	55.7	55.9	56.3	56.9	56.9	56.8	56.2	61.6	65.1	63.9	61.5	59.5	57.3	56.7	55.7	57.3	
9 Q	54.1	53.9	53.9	54.4	55.0	55.0	54.8	54.7	54.9	55.2	55.8	56.6	56.7	56.5	57.1	58.1	59.5	60.7	61.6	60.8	59.6	57.0	56.0	54.1	56.5	
10	54.4	55.7	56.2	54.9	54.5	54.7	55.1	53.3	54.0	55.0	52.7	52.6	56.3	56.2	57.1	58.2	61.5	56.9	60.6	60.7	57.5	55.9	54.9	54.9	56.0	
11	55.0	55.1	56.9	57.1	55.5	54.7	54.4	56.5	58.8	59.1	65.7	69.5	58.6	60.5	59.3	60.4	63.6	62.7	60.5	59.9	60.1	55.1	49.6	46.4	58.1	
12	51.0	54.0	55.3	53.2	63.9	62.9	57.9	57.7	63.4	63.8	61.3	58.7	58.3	55.7	60.6	65.7	66.0	63.5	61.7	59.6	55.9	54.0	51.0	50.2	58.6	
13	51.4	53.1	54.0	54.3	51.3	69.3	54.0	52.5	52.2	50.2	48.4	58.6	58.9	57.5	55.3	57.8	58.9	59.8	55.5	53.2	51.3	51.1	50.1	49.7	54.5	
14	49.7	49.7	50.0	50.1	52.8	54.1	54.7	56.2	55.6	56.0	57.1	56.8	55.8	55.9	55.2	56.0	57.7	59.1	57.9	56.7	54.7	51.2	49.2	47.2	54.1	
15	47.2	49.4	51.5	51.3	51.3	55.1	54.0	54.2	55.4	56.0	60.4	62.6	61.9	61.5	60.4	52.4	55.0	51.6	50.1	54.2	51.7	51.1	52.0	51.0	54.2	
16	53.1	53.4	54.8	54.2	54.8	56.0	55.5	60.4	53.8	54.1	55.0	55.9	56.3	56.2	60.8	61.7	64.3	63.7	59.9	56.2	52.6	51.1	50.2	50.9	56.0	
17 D	50.0	49.2	49.0	47.3	42.8	51.1	52.0	59.4	58.2	57.7	64.2	84.3	71.1	118.2	80.4	76.8	50.2	51.0	48.2	49.7	52.4	53.2	52.4	51.1	59.2	
18	54.1	55.2	56.0	55.4	60.1	60.6	57.9	59.6	63.9	59.9	61.0	61.2	59.9	62.0	58.9	58.3	60.4	63.3	55.5	52.5	54.4	53.9	53.8	52.6	57.9	
19	52.6	48.6	53.4	54.5	54.7	56.1	52.7	58.8	57.8	67.8	69.0	59.9	57.7	57.9	58.2	59.1	60.8	63.0	62.8	59.8	56.6	54.3	52.3	52.8	57.6	
20	52.3	53.1	54.0	54.2	54.2	54.3	54.2	54.3	54.5	54.8	55.2	55.0	56.5	55.8	54.4	54.9	57.3	58.1	60.8	53.3	54.1	52.9	51.1	51.1	54.6	
21 D	50.6	49.0	43.6	50.1	52.7	53.3	55.3	52.3	51.8	58.3	57.1	56.6	61.6	65.7	64.1	64.2	55.2	57.0	57.4	56.2	52.2	52.0	48.2	47.5	54.7	
22 D	51.6	37.7	29.7	30.4	48.7	44.4	58.4	70.5	62.2	75.2	57.0	62.0	57.0	53.2	58.9	59.3	57.0	55.0	54.3	59.8	55.0	52.5	54.1	54.9	54.1	
23	55.1	54.9	54.4	55.5	55.9	55.7	55.8	55.8	56.2	56.2	55.6	57.2	52.7	57.8	63.1	63.4	58.6	60.4	60.6	59.5	56.1	55.5	54.0	54.0	56.8	
24	52.7	54.6	56.1	51.0	53.9	54.7	57.0	61.0	57.1	55.1	50.7	51.4	64.8	56.3	51.0	58.0	56.9	59.5	58.8	58.5	57.0	55.5	53.5	54.3	55.8	
25 Q	54.0	54.5	54.8	54.8	54.9	54.6	55.2	59.9	60.5	55.8	59.5	56.1	55.6	57.5	58.4	58.9	59.8	61.4	59.9	58.8	57.8	56.4	55.2	54.4	57.0	
26	54.0	54.3	55.1	56.6	55.5	55.7	54.1	53.8	54.9	55.8	56.2	56.0	56.6	56.8	58.8	59.5	59.8	58.7	59.1	57.6	55.2	52.9	53.6	53.5	56.0	
27	53.8	52.8	53.0	54.5	53.5	53.5	65.6	48.9	65.4	52.8	61.4	66.0	58.8	61.7	61.3	62.6	63.1	61.7	61.7	59.8	57.1	57.3	57.3	56.3	58.3	
28	55.6	54.9	55.3	55.0	54.9	54.9	60.4	65.7	59.1	57.1	56.2	56.8	57.0	57.4	59.1	61.6	63.3	63.3	60.3	58.7	56.2	55.1	55.5	54.9	57.8	
29																										
30																										
31																										
Mean	53.2	53.1	53.1	53.2	55.2	55.8	56.2	57.5	57.7	58.2	58.8	60.6	60.1	60.5	59.2	60.2	60.0	60.7	59.6	57.9	55.8	54.4	53.1	52.9	57.0	

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

Table 7 Meanook

$z = 58,500 \gamma +$

February 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	544	546	546	547	548	549	538	536	539	538	531	531	537	540	543	547	546	545	543	542	543	543	544	547	542	
2 Q	542	540	540	539	538	537	540	539	536	534	523	525	481	499	519	534	535	536	538	539	539	538	540	539	532	
3	538	537	539	538	537	537	538	534	532	538	538	537	532	531	534	534	533	530	530	534	539	545	589	604	541	
4 D	521	397	481	516	526	394	462	536	460	497	542	479	388	546	554	556	557	561	565	566	561	557	560	560	514	
5	559	560	560	554	552	552	553	548	540	540	543	544	545	542	540	544	543	538	546	551	551	550	551	553	548	
6 D	553	553	554	556	554	557	557	544	529	431	308	357	465	396	376	411	411	465	610	616	609	589	588	585	507	
7	586	581	627	551	563	494	597	513	508	534	535	538	519	580	564	568	568	565	562	567	570	565	559	562	557	
8 Q	563	562	559	554	553	551	551	550	551	552	551	552	551	551	549	533	504	542	553	552	556	557	560	554	550	
9 Q	553	549	549	550	551	549	549	548	545	546	546	545	544	546	545	550	551	547	548	549	550	551	552	548	548	
10	551	548	547	548	544	543	546	543	540	540	537	537	538	542	598	549	552	546	554	564	559	556	553	548	548	
11	549	550	553	554	551	549	549	544	538	504	484	519	538	530	539	534	530	527	534	538	542	545	559	572	539	
12	563	559	557	573	581	552	570	560	506	510	532	535	483	465	487	508	546	544	551	553	562	559	565	573	541	
13	597	564	559	551	576	573	561	571	560	459	463	465	492	511	553	559	550	548	552	556	554	560	563	571	544	
14	583	598	575	580	576	564	559	485	515	537	533	531	530	533	526	534	545	539	539	541	547	548	559	558	547	
15	553	552	553	556	561	558	548	548	542	534	478	509	511	509	497	469	481	497	523	546	541	546	548	553	530	
16	551	552	558	555	559	558	555	505	526	541	537	536	534	533	532	539	541	539	539	543	543	544	552	553	543	
17 D	550	556	565	591	647	623	462	553	552	496	425	375	429	205	372	447	421	505	542	537	552	561	565	570	504	
18	577	572	558	573	593	563	572	529	442	507	492	437	475	507	556	551	546	543	548	550	551	559	570	566	539	
19	561	570	562	576	563	556	508	534	530	457	443	507	531	547	544	544	545	545	547	549	555	553	553	551	539	
20	550	547	542	542	543	542	542	541	541	539	539	536	518	503	451	456	484	510	550	561	549	548	557	560	531	
21 D	572	578	604	613	603	592	587	511	443	516	520	464	425	421	484	521	541	539	534	532	546	546	561	592	535	
22 D	587	583	570	464	446	442	509	482	512	467	415	475	505	525	545	546	543	548	561	562	559	558	558	558	522	
23	551	551	550	549	550	555	556	551	548	532	547	523	498	535	523	532	556	550	548	548	552	553	556	557	545	
24	561	596	604	615	561	543	542	477	534	493	397	471	429	458	461	498	561	553	541	542	544	548	550	556	526	
25 Q	550	546	542	538	537	538	535	539	530	506	480	511	526	530	536	536	537	537	534	534	533	534	535	535	532	
26	535	536	536	536	535	536	534	533	532	530	525	523	518	526	526	530	531	531	534	529	529	534	536	535	531	
27	529	531	534	549	551	570	509	475	183	329	421	421	505	519	522	523	529	534	539	539	538	537	536	534	498	
28	531	530	531	530	529	529	531	456	464	521	526	526	529	526	526	529	523	522	522	534	533	535	536	535	523	
29																										
30																										
31																										
Mean	556	552	556	554	554	543	541	528	510	508	497	500	503	506	516	524	529	528	546	549	550	551	556	558	534	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Meanook

February 1949

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range	Maximum 24° E +		Minimum 24° E +		Range	Maximum 58,500 γ +		Minimum 58,500 γ +		Range
	h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ
1 Q	06 59	803	20 46	764	39	17 24	64.8	10 22	52.3	12.5	05 55	553	10 49	520	33
2 Q	14 32	811	12 06	756	55	16 47	65.2	12 08	50.4	14.8	00 12	545	12 50	472	73
3	23 48	989	21 28	752	237	19 05	68.9	21 05	45.6	23.3	23 10	646	13 07	516	130
4 D	02 05	1218	09 00	295	923	08 55	93.0	06 28	01.3	91.7	02 03	683	05 34	020	663
5	12 22	824	00 34	753	71	01 40	70.0	23 07	51.7	18.3	00 18	565	08 35	536	29
6 D	22 31	858	12 15	120	738	12 35	130.0	15 49	37.2	92.8	12 35	750	11 55	226	524
7	03 09	1045	11 06	333	712	11 34	112.8	02 09	22.8	90.0	03 21	708	07 56	308	400
8 Q	17 37	818	15 47	719	99	16 54	69.5	15 40	51.8	17.7	00 10	567	16 08	488	79
9 Q	17 55	810	21 35	754	56	18 20	62.7	23 57	52.9	09.8	00 07	558	12 50	536	22
10	15 30	810	17 18	763	47	19 01	65.5	10 57	51.8	13.7	20 19	571	12 06	524	47
11	11 52	834	10 00	669	165	19 09	80.9	23 52	33.6	47.3	23 22	585	10 08	415	170
12	04 37	927	09 04	641	286	04 45	80.9	06 50	41.4	39.5	05 39	618	13 04	427	191
13	02 05	838	09 27	618	220	05 22	81.4	10 17	44.5	36.9	00 28	606	09 25	398	208
14	00 51	860	21 30	750	110	07 23	65.1	08 00	44.3	20.8	01 00	667	07 48	426	241
15	11 20	818	15 22	690	128	13 10	64.9	18 15	45.1	19.8	04 50	567	10 56	439	128
16	07 05	841	19 11	759	82	07 25	71.2	22 28	48.5	22.7	07 12	563	07 49	454	109
17 D	04 44	921	13 28	191	730	14 17	229.5	06 20	06.7	222.8	14 58	777	14 02	097	680
18	06 34	874	08 05	225	649	08 45	81.9	08 01	39.7	42.2	01 06	615	08 29	176	439
19	05 56	835	10 15	703	132	09 56	75.4	06 11	43.8	31.6	03 40	593	10 18	386	207
20	11 45	810	18 58	754	56	18 28	62.8	14 25	47.8	15.0	24 00	572	14 42	429	143
21 D	04 42	863	08 18	663	200	14 30	85.9	02 06	40.5	45.4	03 41	627	12 49	380	247
22 D	01 43	1265	10 21	077	1188	00 03	94.3	01 45	14.4	79.9	01 34	688	10 28	140	548
23	13 05	828	12 00	685	143	13 45	68.6	12 07	48.3	20.3	13 25	566	12 00	475	91
24	02 32	849	12 39	485	364	12 43	76.5	07 16	41.2	35.3	02 50	658	10 08	338	320
25 Q	08 10	821	09 52	758	63	08 04	64.9	09 35	51.0	13.9	00 02	559	09 52	466	93
26	23 34	819	17 12	763	56	16 37	63.5	23 31	47.1	16.4	23 32	548	12 28	509	39
27	03 36	891	11 18	461	430	08 15	111.0	09 47	27.8	83.2	07 45	583	08 30	022	561
28	02 13	840	07 37	762	78	07 07	72.7	08 21	53.0	19.7	00 10	539	08 12	399	140
29															
30															
31															
Mean		883		595	288		83.4		40.6	42.8		610		376	234
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 1949

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																			731	724	744	779	785	786	
2	783	799	855	849	930	743	734	771	761	603	246	698	770	760	761	783	775	761	757	740	757	789	794	789	750
3	800	806	819	825	843	836	793	776	797	787	652	489	578	714	712	689	740	744	748	767	772	765	772	773	750
4	784	790	791	795	796	796	789	793	693	729	740	798	786	804	797	811	808	804	791	779	773	767	766	779	782
5	781	792	799	805	808	811	807	791	782	780	801	804	805	807	805	807	801	791	777	765	759	754	764	769	790
6 Q	780	789	793	794	799	801	799	798	799	798	799	801	778	799	815	816	814	801	780	770	768	760	763	772	791
7	785	785	794	799	799	805	805	805	804	774	811	811	808	807	804	798	795	801	790	772	755	756	766	774	792
8	779	787	801	805	808	807	805	802	787	801	815	815	815	813	810	814	821	812	794	780	774	768	768	779	798
9	793	793	806	822	818	800	800	800	797	742	728	800	798	747	681	646	786	800	789	762	754	754	755	771	773
10 Q	782	786	788	790	793	792	795	796	800	803	807	804	804	801	800	798	793	772	765	755	761	765	775	779	788
11 Q	784	790	794	795	796	797	800	798	798	798	803	808	807	808	811	810	800	797	780	783	775	774	774	780	794
12	787	793	798	795	797	800	807	806	805	778	789	808	811	813	810	794	808	794	767	763	767	774	779	800	793
13	813	847	849	914	898	926	833	800	797	817	718	673	637	687	810	775	723	744	722	745	747	814	821	868	791
14 D	897	1074	1053	992	885	844	850	817	722	468	517	695	567	492	616	696	718	667	696	758	782	789	835	862	762
15	845	923	849	802	803	817	774	715	612	646	328	328	538	579	699	670	711	731	756	761	762	756	774	786	707
16 D	793	798	800	793	793	790	790	798	797	702	813	808	804	768	730	691	652	576	726	784	779	749	741	763	760
17 D	779	776	789															709	709	737	767	804	907	968	
18	945	902	914	922	940	852	818	680	762	745	648	715	591	620	764	807	778	752	729	747	783	779	778	768	781
19	782	789	785	788	802	802	800	793	778	742	740	778	799	797	794	769	783	766	762	758	757	773	778	803	780
20	803	786	791	796	807	820	827	820	793	744	792	797	772	741	802	791	766	768	772	760	775	778	779	793	786
21	818	814	839	854	845	839	814	800	790	756	720	772	776	797	804	811	793	765	740	765	779	785	806	853	797
22 D	1167	1085	868	885	833	777	657	621	368	468	426	226	554	565	521	704	787	697	722	763	776	776	780	777	700
23 D	776	788	832	838	901	874	619	503	326	597	772	669	433	552	671	728	814	817	795	777	783	780	789	790	718
24	799	788	792	779	783	775	737	772	790	790	768	737	763	779	790	786	790	788	759	772	767	775	769	777	776
25	785	791	795	803	807	780	802	800	784	729	763	730	791	817	815	805	791	770	757	756	756	772	811	807	784
26	787	796	803	807	823	815	663	744	604	609	724	752	752	766	779	780	777	786	777	768	772	771	782	791	760
27 Q	791	793	796	795	794	794	796	801	805	802	796	785	791	801	799	804	801	787	770	768	763	766	777	779	790
28	791	791	795	804	802	801	809	816	815	770	799	822	821	828	820	805	805	779	780	771	771	752	757	802	796
29	808	812	781	786	788	788	790	773	791	803	646	641	754	780	815	812	797	760	765	768	773	777	773	776	773
30	784	788	799	791	792	798	770	785	741	674	626	771	745	785	811	802	782	764	764	764	768	770	780	782	768
31 Q	794	796	798	803	807	804	799	799	803	799	801	808	810	808	805	798	782	766	761	759	762	770	777	784	791
Mean	814	823	820	822	823	810	781	771	741	726	703	723	733	746	767	772	779	764	762	765	768	771	779	791	773

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook

D = 24° E + ...'

March 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1																			54.3	47.8	46.5	50.1	49.5	49.4	
2	49.3	49.1	50.5	54.0	59.1	56.9	75.7	63.6	57.2	63.9	56.5	74.6	64.5	65.7	65.6	65.7	62.1	58.6	54.9	49.3	49.5	52.8	52.8	52.5	58.5
3	49.9	49.9	51.8	54.2	54.8	53.0	61.4	54.6	57.0	57.8	54.2	70.1	66.5	65.3	55.2	58.0	63.2	59.1	51.0	45.4	48.9	54.8	55.1	55.8	56.1
4	54.6	54.3	55.5	55.4	55.3	55.2	56.6	58.4	59.1	69.5	55.9	57.2	60.7	58.8	59.0	60.5	60.5	61.8	60.7	59.0	56.5	55.5	54.0	52.8	57.8
5	53.1	54.2	54.1	52.9	65.2	59.9	57.0	53.5	53.5	54.2	57.0	57.5	58.1	58.2	60.0	62.4	63.7	62.9	62.0	59.9	57.2	54.0	52.1	51.9	57.3
6 Q	51.3	52.1	53.2	54.1	54.2	54.5	55.8	57.1	59.1	58.6	57.0	56.8	51.7	54.2	59.2	62.5	63.7	65.7	62.8	61.4	58.2	56.0	53.9	52.6	56.9
7	52.1	52.2	52.6	53.2	53.9	54.5	55.0	55.2	56.5	60.2	58.9	57.2	57.0	57.1	58.1	58.9	56.5	61.1	59.9	61.6	59.1	56.9	53.6	52.1	56.4
8	52.2	52.4	52.2	52.9	53.2	54.5	55.9	58.2	61.9	61.5	57.8	56.5	55.6	54.0	54.2	56.4	60.9	59.7	63.6	62.0	59.0	55.0	51.5	49.7	56.3
9	49.9	50.8	47.8	51.2	57.0	56.1	56.1	56.1	56.8	53.0	59.3	57.5	54.8	58.8	60.8	70.6	69.4	66.1	64.8	59.2	53.0	51.5	52.6	53.3	56.9
10 Q	54.3	53.7	54.1	54.5	55.1	55.3	55.9	56.0	56.9	57.1	57.4	57.4	57.5	58.9	61.0	64.5	66.0	68.6	60.9	55.3	52.8	52.6	52.5	53.0	57.1
11 Q	52.8	53.2	53.7	53.9	54.1	54.4	55.3	56.1	55.0	56.2	55.9	56.1	55.8	57.0	59.2	63.1	64.4	64.1	62.9	60.2	57.2	54.9	52.8	52.0	56.7
12	53.2	52.9	53.4	53.9	55.0	55.5	53.4	54.9	56.1	56.1	60.9	62.7	58.0	57.9	58.9	59.8	64.8	66.7	63.7	56.0	52.0	50.9	48.3	46.7	56.3
13	48.4	44.2	44.2	49.4	50.2	52.1	54.8	55.6	57.3	57.9	62.2	66.1	70.7	66.9	64.2	70.7	65.7	63.4	52.5	57.2	47.6	46.3	48.6	47.4	56.0
14 D	50.2	54.5	42.9	46.8	48.6	52.2	58.4	57.1	57.0	63.0	62.0	65.7	61.2	66.0	56.4	58.6	64.9	66.0	48.4	51.3	52.3	53.1	51.6	50.1	55.8
15	50.4	48.2	46.3	53.1	53.5	55.4	54.3	61.2	60.2	58.1	78.6	78.6	76.5	64.5	75.5	67.1	66.7	65.4	61.0	55.8	48.3	47.5	48.4	50.6	59.4
16 D	53.1	54.9	54.3	55.2	55.8	55.9	56.2	56.4	55.6	62.2	58.4	57.5	58.3	59.9	62.2	63.3	64.4	77.9	37.8	59.1	57.5	56.5	57.9	58.1	57.8
17 D	56.1	55.6	54.0															63.8	63.3	60.7	61.7	57.1	57.0	51.2	
18	48.2	49.3	55.1	47.4	37.4	43.0	54.3	51.2	57.9	66.9	80.2	64.2	55.1	59.7	59.9	63.2	66.5	63.5	59.9	58.5	58.1	54.2	52.4	52.2	56.6
19	52.4	53.1	53.5	54.0	54.2	64.7	62.9	57.1	58.1	62.7	61.5	57.4	58.0	59.1	61.0	62.8	58.8	60.6	59.9	59.6	54.7	53.3	51.9	50.9	57.6
20	49.4	50.5	51.4	51.3	51.2	58.3	54.2	53.6	57.2	65.7	60.9	59.5	58.9	53.6	59.1	64.1	64.8	63.3	61.1	52.1	48.6	48.3	45.5	46.1	55.4
21	46.4	48.7	47.4	45.4	46.4	53.6	52.6	56.1	56.5	55.1	68.3	66.4	62.9	62.0	61.9	61.6	64.9	65.6	56.6	52.2	54.2	54.3	54.4	41.6	55.6
22 D	42.7	59.0	45.9	19.9	14.7	01.3	18.0	39.8	28.3	55.2	32.6	35.3	47.0	47.0	48.9	41.0	52.8	59.3	57.1	51.4	52.4	53.8	54.7	56.1	39.5
23 D	57.0	56.8	53.2	33.0	51.0	42.1	41.4	40.9	71.4	55.1	55.3	55.3	65.3	55.8	55.0	65.7	66.8	65.1	60.7	59.2	56.3	53.4	53.0	53.1	55.1
24	47.4	47.9	47.9	48.8	49.8	52.9	45.5	51.5	50.5	49.1	46.9	41.4	47.4	50.0	53.9	58.7	60.1	60.6	63.8	62.1	55.7	52.1	51.8	51.3	52.0
25	52.3	52.7	53.6	54.1	58.0	57.0	59.2	58.3	58.3	55.4	55.4	60.5	60.8	59.9	61.8	64.6	65.0	63.2	59.9	56.2	51.1	50.2	48.6	48.3	56.9
26	48.0	50.7	53.3	58.3	61.6	54.2	61.7	58.9	54.8	67.3	68.7	62.2	56.2	54.4	58.9	61.6	59.4	59.5	54.8	54.9	52.5	52.6	52.5	53.4	57.1
27 Q	53.7	53.2	53.7	54.1	54.1	54.8	55.4	58.8	56.9	55.9	55.4	56.8	57.8	58.2	61.2	64.6	64.8	64.8	60.7	59.7	55.9	52.6	51.0	51.2	56.9
28	51.2	51.8	51.0	53.0	63.9	56.7	52.9	52.8	56.4	58.6	63.9	59.6	58.0	60.7	60.7	63.5	67.5	65.5	59.6	59.9	58.4	52.3	48.7	47.9	57.3
29	49.2	51.9	52.8	54.4	54.5	55.6	56.0	56.2	63.1	56.0	55.8	63.3	56.9	61.7	62.0	62.8	64.0	66.4	57.2	53.7	52.5	51.7	50.8	51.9	56.7
30	50.9	51.6	52.7	56.1	56.2	63.7	57.7	59.9	63.0	66.3	51.9	53.6	56.4	61.6	63.6	63.5	61.4	59.7	57.2	53.4	51.7	51.4	51.9	52.5	57.0
31 Q	52.2	52.5	53.1	53.9	59.7	55.0	54.8	54.4	55.0	54.2	55.1	55.7	57.7	59.4	61.4	63.2	65.1	64.7	60.9	56.8	53.2	51.0	50.2	50.4	56.2
Mean	50.9	51.9	51.8	50.9	52.0	53.0	53.5	55.3	56.8	59.1	58.8	59.4	58.8	58.8	60.0	62.2	63.4	63.8	58.5	56.6	53.9	52.7	51.8	51.2	56.0

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

Table 11 Meanook

$z = 58,500 \gamma +$

March 1949

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																			533	535	543	550	547	546	
2	555	569	610	590	596	398	414	466	502	381	409	479	485	431	414	446	484	509	524	538	549	569	557	547	501
3	551	550	597	569	547	551	380	455	513	511	431	374	306	336	380	399	488	545	571	558	551	534	542	541	490
4	549	543	528	531	527	528	524	516	417	414	463	500	491	505	496	504	516	524	510	514	527	528	537	538	509
5	535	528	523	544	579	546	544	517	492	482	491	518	519	522	523	523	522	521	522	520	528	531	527	524	524
6 Q	520	519	518	517	518	519	518	519	507	506	508	506	484	491	518	519	520	518	517	520	523	516	515	519	514
7	522	521	518	515	517	516	515	511	506	446	480	510	511	514	508	504	497	500	503	504	511	516	519	522	508
8	521	519	517	515	509	508	509	506	478	470	499	506	505	504	500	502	507	509	509	518	519	529	528	530	509
9	538	541	558	564	556	533	517	517	494	413	383	443	482	425	396	387	433	510	506	518	537	540	536	535	494
10 Q	527	520	518	517	517	516	518	517	515	511	508	513	517	518	521	517	511	507	510	515	515	517	518	519	516
11 Q	518	516	515	514	516	517	519	523	506	504	515	514	517	515	517	515	515	517	514	515	516	514	514	514	515
12	509	508	511	513	513	514	510	515	506	438	439	454	482	494	504	494	495	503	497	509	515	523	528	544	501
13	571	623	609	643	647	549	562	533	532	541	468	314	401	422	506	486	457	482	482	519	543	585	597	598	528
14 D	582	530	542	546	610	592	515	541	540	234	279	474	474	381	360	391	452	508	520	552	575	591	601	588	499
15	582	575	583	562	569	571	452	454	530	558	306	482	562	492	450	481	461	514	547	565	571	562	556	552	522
16 D	559	551	550	537	531	529	528	533	535	494	534	534	528	520	512	503	494	512	513	519	512	540	555	562	529
17 D	554	546	545															499	527	551	578	591	588	575	
18	555	578	469	533	575	570	524	354	453	476	488	493	462	434	473	529	537	531	539	555	556	544	547	543	513
19	546	540	530	529	537	539	502	522	509	472	484	506	532	532	530	527	530	529	531	528	533	536	544	548	526
20	540	530	527	531	539	561	550	545	510	473	505	510	505	465	500	516	508	514	527	543	544	550	548	555	525
21	574	577	576	592	581	573	560	537	516	483	427	448	464	483	509	511	522	510	516	537	540	543	578	602	532
22 D	524	522	606	289	040	257	284	422	488	706	872	705	447	452	444	500	548	549	588	602	574	553	559	550	503
23 D	546	550	562	392	325	475	603	614	608	516	522	533	510	413	419	457	540	542	543	548	557	559	559	559	518
24	544	539	541	539	538	531	432	503	523	519	488	478	509	526	539	536	531	538	531	536	531	528	527	527	522
25	527	527	527	528	542	524	540	542	519	471	473	422	442	521	530	530	522	520	521	523	527	527	531	537	515
26	554	539	529	543	542	554	403	475	372	345	393	430	473	501	518	522	528	527	540	546	542	539	535	528	499
27 Q	520	517	518	519	518	517	518	509	512	514	503	484	498	519	515	516	519	519	518	519	517	522	527	523	515
28	518	519	517	516	544	523	516	510	492	412	452	508	509	516	515	506	504	506	503	505	513	546	541	548	510
29	564	567	533	519	515	510	518	483	475	502	396	365	417	453	508	516	516	513	513	516	512	520	524	521	499
30	519	518	521	534	537	466	423	477	419	427	413	456	438	436	494	508	508	512	527	521	516	519	519	518	489
31 Q	521	517	508	509	506	508	509	507	505	498	489	502	507	507	507	506	507	508	509	512	508	509	506	505	507
Mean	541	540	540	526	520	517	496	504	499	473	470	481	482	477	486	495	506	517	522	530	533	538	541	541	511

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook

March 1949

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range
	12,000 γ +		12,000 γ +			24° E +		24° E +			58,500 γ +		58,500 γ +		
h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ	
1															
2	04 07	979	11 25	026	953	11 10	104.9	10 55	25.9	79.0	10 20	705	10 50	139	566
3	06 16	936	11 42	415	521	11 34	93.6	07 12	26.2	67.4	01 56	605	12 08	226	379
4	17 10	818	08 50	529	289	09 06	82.2	08 40	50.6	31.6	01 35	556	08 43	260	296
5	14 11	865	21 27	748	117	04 22	78.1	07 45	48.7	29.4	04 36	617	10 10	467	150
6 Q	14 47	818	21 20	756	67	17 43	66.6	12 41	49.7	16.9	20 43	525	12 44	476	49
7	10 42	819	09 45	730	89	09 15	66.9	09 36	47.5	19.4	00 57	529	03 50	373	156
8	16 22	830	08 46	750	80	08 10	68.2	23 55	48.9	19.3	24 00	536	09 04	422	114
9	03 55	885	14 45	554	331	15 54	75.7	09 28	44.4	31.3	04 13	595	16 02	317	278
10 Q	10 32	811	19 33	747	64	17 50	70.6	21 53	51.7	18.9	00 01	534	17 45	497	37
11 Q	14 12	814	22 14	771	43	16 29	66.7	23 20	51.8	14.9	07 07	528	09 06	486	42
12	14 00	819	19 14	754	64	17 10	69.1	23 47	41.4	27.7	23 50	558	09 17	400	158
13	05 31	1015	12 48	528	487	11 58	84.2	05 34	36.1	48.1	03 27	687	11 17	274	413
14 D	03 43	1191	09 47	365	826	10 20	91.0	03 45	24.8	66.2	03 53	695	09 55	031	664
15	01 48	1040	11 21	190	850	10 45	121.7	01 51	25.8	95.9	11 27	765	11 03	021	744
16 D	23 18	823	17 15	440	383	16 55	99.7	18 25	27.2	72.5	17 03	583	17 24	440	143
17 D															
18	00 14	1026	07 00	489	537	06 52	102.0	04 00	27.1	74.9	05 40	624	06 55	214	410
19	06 12	821	10 13	665	156	05 47	74.2	23 05	49.3	24.9	05 23	561	09 29	444	117
20	06 03	852	09 13	705	147	09 50	71.0	23 14	43.8	27.2	05 46	578	09 17	438	140
21	23 38	907	09 54	597	310	10 13	75.3	09 55	28.4	46.9	23 27	641	09 55	335	306
22 D	00 55	1381	11 18	-107	1488	07 43	85.4	11 12	-61.0	146.4	10 53	1102	04 07	-179	1281
23 D	03 22	1119	08 27	004	1115	08 48	125.9	03 47	-55.1	181.0	08 05	777	03 47	009	768
24	12 57	806	06 50	664	142	17 18	63.0	06 56	43.3	19.7	05 21	552	06 48	294	258
25	13 45	826	09 51	642	184	04 52	70.5	23 52	44.4	26.1	04 50	575	11 55	376	199
26	04 54	850	08 50	377	473	09 18	88.1	08 51	29.1	59.0	05 33	581	08 50	228	353
27 Q	15 46	813	19 40	756	57	17 11	66.0	22 42	49.4	16.6	22 40	532	11 27	464	68
28	14 04	838	09 51	706	132	04 46	79.2	23 30	45.2	34.0	04 50	570	09 00	337	233
29	01 00	835	11 10	478	357	08 00	76.3	00 59	45.6	30.7	01 30	604	11 07	263	341
30	05 23	861	10 30	585	276	05 44	76.4	10 40	43.7	32.7	03 37	559	10 33	343	216
31 Q	11 42	815	17 41	748	67	17 38	67.6	22 55	49.5	18.1	00 52	527	09 56	476	51
Mean		904		538	366		81.4		33.9	47.5		614		306	308
No. days		29		29	29		29		29	29		29		29	29

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

Table 13 Meanook

H = 12,000 γ +

April 1949

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	793	799	803	807	809	808	807	813	815	819	823	821	825	826	824	822	817	803	779	771	758	765	772	798	803
2	793	787	793	801	803	805	807	808	813	814	818	818	809	818	819	817	806	790	776	770	762	767	776	786	798
3	795	803	809	809	810	817	796	818	812	812	809	785	774	791	821	810	774	765	779	771	774	776	786	788	795
4	791	798	803	799	805	807	801	799	745	774	805	809	817	814	811	811	803	789	787	768	759	764	768	778	792
5 Q	793	799	805	809	809	806	810	810	811	794	802	813	815	816	822	815	794	783	766	751	754	756	773	781	795
6 Q	801	798	805	803	807	808	807	809	807	811	809	803	803	807	809	808	795	789	778	766	768	765	774	789	797
7 D	804	803	807	809	809	808	810	812	813	816	815	822	816	821	822	820	798	803	775	770	775	793	898	1124	823
8 D	1114	1126	1016	1065	889	928	864	372	199	372	079	066	100	091	565	629	630	688	751	828	833	814	775	766	640
9	775	790	773	773	780	797	813	798	784	787	788	789	787	787	787	778	763	752	754	757	765	773	829	836	784
10 D	882	888	915	902	862	866	681	732	662	702	794	734	598	709	744	706	709	689	736	748	780	792	843	886	773
11 D	749	792	816	815	789	795	735	803	807	806	771	715	760	762	717	733	690	721	750	749	747	758	759	775	763
12 D	778	784	791	795	797	802	834	829	602	346	495	495	240	380	670	721	787	800	819	809	807	803	802	807	700
13	810	868	1024	1055	792	843	806	781	801	448	516	687	750	661	675	790	773	790	762	777	788	815	837	835	778
14	833	844	844	863	861	826	730	790	753	555	611	672	787	800	808	804	791	779	777	775	771	790	809	839	780
15	802	810	811	816	819	820	802	807	784	773	771	775	789	802	798	795	786	776	764	763	774	784	788	791	792
16	815	815	812	811	816	815	811	812	795	792	741	704	780	780	774	742	770	767	766	755	766	772	780	784	782
17																									
18	823	838	841	806	795	794	797	802	805	808	808	809	812	811	814	799	795	781	767	766	776	788	788	790	801
19	786	792	804	807	800	802	806	769	683	765	771	765	803	804	804	800	791	773	761	759	762	756	768	784	780
20 Q	789	809	810	807	806	810	806	792	810	812	812	812	813	813	812	806	794	785	789	780	780	777	782	796	800
21 Q	799	798	810	810	810	814	810	807	808	809	807	807	800	804	806	796	787	780	772	773	776	771	771	772	796
22	781	798	800	810	810	811	814	818	821	823	824	823	828	828	824	814	796	781	774	771	767	768	771	777	801
23	796	805	806	809	809	808	814	810	799	806	798	796	810	809	790	804	798	771	781	783	789	783	779	795	798
24	798	800	823	811	811	814	819	814	809	768	760	819	820	821	822	814	803	795	791	783	778	776	798	785	801
25	812	804	821	810	809	800	810	811	813	814	810	815	816	816	815	804	787	779	780	776	779	782	800	813	803
26	787	813	833	828	810	812	810	808	812	811	803	826	826	829	838	826	807	785	781	777	781	791	779	783	806
27	838	820	833	885	822	811	835	799	830	812	786	757	798	803	812	813	798	781	773	785	789	791	800	796	807
28	798	802	804	808	816	815	796	798	817	816	812	810	810	817	806	791	780	755	752	752	779	784	787	812	797
29	797	809	802	797	802	801	804	809	813	813	809	808	811	813	816	814	761	746	744	778	786	760	758	806	794
30 Q	804	804	806	804	804	800	797	800	805	807	809	799	797	817	813	811	800	790	770	769	771	782	790	799	798
31																									
Mean	810	821	828	832	812	815	801	787	766	744	747	750	745	760	788	783	779	772	771	772	776	779	791	809	785

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Meanook

D = 24° E + ...'

April 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	50.5	50.9	51.8	52.7	53.3	53.9	53.9	54.0	54.0	54.8	54.7	55.9	55.7	57.9	61.0	63.5	65.3	66.0	64.0	59.3	53.5	51.8	50.0	46.5	55.6	
2	49.0	52.0	52.7	53.1	53.7	53.9	54.3	55.0	56.4	55.8	54.9	54.5	53.1	57.7	62.4	64.8	68.1	68.0	65.5	59.6	54.8	50.9	49.9	50.2	56.3	
3	50.4	49.9	51.1	52.8	53.3	53.4	52.0	62.6	56.8	55.1	54.5	53.0	50.3	54.4	59.9	63.5	62.6	57.1	59.2	55.0	52.1	50.7	49.7	49.7	54.5	
4	50.5	51.0	52.6	53.0	53.4	54.7	58.5	57.6	60.5	61.2	58.3	57.4	58.4	59.5	60.8	62.7	65.4	64.2	61.1	57.2	53.9	50.0	49.1	48.9	56.7	
5 Q	49.7	50.8	52.0	53.2	54.2	54.8	53.8	54.2	54.0	54.7	62.6	57.7	56.9	61.3	64.1	65.3	65.5	64.4	61.7	56.9	52.8	49.7	49.5	49.5	56.2	
6 Q	49.7	51.6	53.8	52.8	53.3	54.2	54.5	54.0	53.6	53.9	53.3	54.6	55.7	57.4	59.7	62.7	64.9	64.7	62.3	59.3	54.2	51.0	50.1	49.1	55.4	
7 D	49.8	51.8	52.0	52.3	53.0	53.4	53.6	54.0	54.3	54.9	55.3	54.5	56.8	57.4	58.4	60.2	60.2	62.7	64.7	63.4	52.1	45.0	47.9	54.4	55.1	
8 D	56.8	61.1	55.6	01.6	25.6	53.4	38.1	20.8	47.4	42.4	97.8	81.8	163.6	97.6	85.1	55.1	49.6	59.2	53.8	48.5	49.7	49.8	51.0	54.9	58.3	
9	55.6	55.2	57.0	55.3	54.4	54.5	59.3	55.5	54.7	55.6	56.7	57.8	57.9	64.4	67.6	69.7	69.4	65.6	58.9	54.1	49.4	49.1	47.2	47.8	57.2	
10 D	44.1	45.9	44.9	45.0	47.8	49.0	50.8	57.2	52.6	56.7	57.4	55.7	52.0	61.3	65.9	62.3	63.4	62.2	47.0	48.4	57.0	53.8	45.0	44.2	52.9	
11 D	46.6	43.2	49.9	53.0	57.7	60.7	54.6	52.5	54.2	57.3	57.5	60.4	62.5	65.9	73.8	78.9	67.5	58.2	61.2	57.5	50.6	49.0	50.1	48.6	57.1	
12 D	49.3	50.0	50.7	51.9	52.7	52.8	52.7	62.4	69.4	51.6	78.4	81.3	69.0	89.1	81.2	67.2	64.3	54.6	55.6	56.0	50.7	50.0	49.8	51.5	60.1	
13	51.9	51.5	52.2	58.3	43.0	53.6	54.1	51.7	54.7	39.4	64.9	70.6	64.3	73.2	68.2	66.6	65.7	68.2	67.4	62.4	56.7	54.0	51.5	50.9	58.1	
14	51.8	53.3	55.1	54.1	66.1	55.8	47.3	51.4	54.7	51.8	52.1	46.5	56.5	61.8	65.3	66.9	67.1	65.3								
15	53.6	54.1	54.5	53.6	52.1	64.1	71.4	55.7	50.6	56.0	56.4	57.8	59.6	61.3	62.4	62.9	64.2	63.3	59.2	57.7	55.1	57.6	52.4	53.1	57.9	
16	52.0	50.7	48.8	50.7	51.5	53.5	52.5	56.5	55.5	55.2	53.2	62.0	72.2	73.8	77.1	71.2	65.2	59.3	57.6	53.7	49.4	47.6	46.9	46.5	56.8	
17																		59.3	55.5	51.4	47.4	46.1	45.4	47.5		
18	47.4	47.8	51.1	52.9	52.3	52.0	53.3	53.6	53.4	53.5	53.5	53.8	55.9	58.4	61.2	64.1	63.7	63.4	59.5	53.0	50.3	47.6	45.8	45.2	53.9	
19	47.1	48.1	50.5	53.3	54.0	54.0	53.3	54.4	59.1	62.8	59.0	57.2	58.5	60.6	63.0	63.1	60.9	59.0	54.9	52.1	49.1	46.1	45.0	44.6	54.6	
20 Q	46.6	48.3	50.2	52.9	53.7	53.3	53.2	50.5	54.2	54.8	56.0	57.0	58.2	60.8	62.9	64.8	65.9	65.4	61.6	52.6	50.1	48.8	48.1	46.5	54.8	
21 Q	47.3	50.1	51.2	51.3	54.8	55.4	54.1	53.3	53.7	54.4	55.1	56.0	57.8	60.0	62.1	64.3	64.5	61.9	57.5	54.0	49.5	46.9	45.8	47.8	54.5	
22	50.2	52.0	52.0	52.6	52.5	52.5	52.0	53.2	53.7	54.4	55.1	55.8	59.3	62.9	65.6	65.4	63.2	59.5	56.3	53.2	50.6	50.0	50.1	51.1	55.1	
23	52.5	53.5	55.1	54.6	51.9	52.6	53.7	54.5	53.6	55.5	55.9	56.8	58.6	59.8	65.0	64.8	63.5	62.4	50.3	46.7	46.5	48.1	50.3	50.5	54.9	
24	52.0	52.7	52.8	53.0	53.3	54.7	54.4	54.7	52.9	53.4	54.1	56.0	59.2	62.0	64.8	65.5	65.8	65.1	58.6	53.3	51.5	50.3	49.2	51.3	55.9	
25	49.3	52.4	51.2	52.9	54.3	58.2	52.5	51.7	52.4	53.0	53.4	55.0	56.2	60.3	63.4	64.0	63.0	61.1	57.0	54.3	49.6	47.0	45.7	47.5	54.4	
26	50.1	51.6	57.4	57.6	53.6	54.2	53.5	55.1	52.4	51.6	52.5	56.0	60.0	62.5	66.3	66.1	64.3	60.2	55.2	54.0	50.7	49.5	48.7	47.7	55.4	
27	45.9	51.2	50.6	51.2	56.9	50.0	57.4	67.9	52.5	50.4	51.1	51.1	61.3	64.3	65.1	63.7	61.8	59.7	56.2	50.0	48.5	48.2	49.1	50.0	54.8	
28	50.6	51.1	51.8	52.1	53.0	49.9	47.4	56.9	55.6	52.8	52.8	54.9	60.3	63.6	64.4	64.8	64.7	66.6	54.0	47.7	45.3	45.3	44.7	46.7	54.0	
29	50.0	50.8	52.9	52.8	51.7	51.6	52.0	52.0	51.4	51.2	51.7	52.5	56.1	60.7	63.9	65.9	72.4	76.0	66.2	54.0	46.0	46.4	50.0	51.1	55.4	
30 Q	54.6	52.8	52.8	53.1	52.9	52.7	52.9	52.7	52.5	51.7	51.9	49.9	53.3	57.6	59.7	60.6	61.5	61.2	56.5	53.6	50.4	48.9	48.7	49.6	53.8	
31																										
Mean	50.1	51.0	52.1	51.1	51.9	54.0	53.7	54.2	54.5	53.7	57.8	58.1	62.2	63.8	65.5	64.8	64.2	62.8	58.7	54.6	51.0	49.4	48.6	49.1	55.7	

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

Table 15 Meantook

$Z = 58,500 \gamma +$

April 1949

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	506	505	504	504	505	506	512	507	504	503	502	502	504	505	506	505	502	499	493	491	494	497	504	513	503	
2	515	514	506	505	504	503	502	499	494	499	501	497	491	493	504	504	499	494	488	495	493	495	498	494	499	
3	492	495	500	498	498	503	495	493	507	504	494	463	445	456	488	493	494	482	493	494	504	506	506	506	492	
4	504	505	506	502	505	515	523	511	441	461	495	498	504	499	502	504	505	504	504	503	500	506	507	506	500	
5 Q	505	502	500	502	504	505	504	500	497	443	439	472	482	494	504	505	502	503	504	499	500	505	505	505	495	
6 Q	520	517	522	507	504	504	506	495	498	497	495	495	499	499	506	511	507	506	499	495	501	499	502	512	504	
7 D	520	517	506	504	499	497	499	498	498	498	497	497	493	498	494	494	482	482	472	472	474	495	544	542	499	
8 D	369	438	234	159	236	271	456	636	639	864	547	672	844	549	483	459	459	515	563	561	541	532	523	523	503	
9	520	530	528	526	528	531	528	528	523	522	520	520	521	522	526	519	517	514	507	505	506	515	534	548	522	
10 D	594	582	590	573	583	566	493	476	453	453	504	495	375	411	438	439	472	495	515	520	560	644	626	594	519	
11 D	563	572	580	569	548	528	521	512	512	500	440	409	433	458	432	450	434	444	482	494	502	512	515	516	497	
12 D	507	505	505	506	507	508	526	450	400	452	418	379	423	422	404	468	475	479	504	515	523	519	519	539	477	
13	549	591	657	439	452	527	476	451	482	308	279	353	430	400	473	512	502	512	520	541	549	557	563	549	486	
14	558	554	569	570	504	532	400	487	481	447	377	418	484	507	517	517	516	515								
15	535	531	546	535	533	494	425	472	452	439	438	450	461	489	497	499	504	506	508	511	513	517	514	514	495	
16	514	512	517	526	525	517	512	508	501	496	398	352	434	449	458	469	481	493	507	512	453	527	532	535	489	
17																		519	525	530	535	541	540	560		
18	540	539	561	549	511	503	498	501	503	502	503	504	507	506	506	499	499	498	501	500	508	555	527	526	514	
19	526	525	520	517	511	505	499	487	406	419	445	445	469	485	487	492	497	498	501	497	500	503	511	516	490	
20 Q	514	507	506	506	511	514	501	455	478	491	494	494	496	496	493	492	492	490	492	492	493	491	490	496	495	
21 Q	505	512	514	515	518	520	512	499	497	494	494	494	496	496	492	493	492	491	487	490	497	498	501	500	500	
22	492	493	492	494	490	491	490	491	492	491	491	492	494	493	492	493	491	488	488	492	494	498	503	503	493	
23	508	507	507	502	498	507	503	490	454	472	471	470	492	490	447	464	473	494	498	503	511	514	505	500	491	
24	498	496	503	500	496	508	512	502	492	378	378	465	492	493	492	488	481	480	476	481	483	489	499	505	483	
25	516	518	518	520	490	481	492	490	481	485	485	492	493	493	496	494	493	490	481	485	488	494	494	506	495	
26	512	518	525	526	518	515	517	507	498	488	447	499	508	503	500	491	490	487	489	488	487	493	494	497	500	
27	552	527	531	527	526	522	476	395	496	492	445	410	451	472	486	488	492	499	501	511	508	505	513	514	493	
28	503	493	492	492	497	507	487	479	498	493	490	491	494	506	492	487	492	496	498	504	522	532	525	527	500	
29	501	498	503	498	492	488	487	486	480	477	483	488	490	489	487	490	494	546	559	589	542	494	497	519	503	
30 Q	525	505	501	499	496	492	491	491	492	490	490	487	479	494	497	494	490	488	481	490	492	497	493	490	494	
31																										
Mean	514	516	513	500	499	501	498	493	488	486	467	474	489	484	485	489	490	495	500	505	505	514	516	518	497	

MEANTOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meanook

April 1949

Day	Horizontal Intensity						Declination						Vertical Intensity						
	Maximum			Minimum			Maximum			Minimum			Maximum			Minimum			
	12,000 γ +			12,000 γ +			24° E +			24° E +			58,500 γ +			58,500 γ +			
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ	
1	14	12	832	20	34	738	17	05	67.4	23	40	43.2	23	42	530	20	12	487	43
2	13	48	830	21	04	754	17	34	71.5	00	02	46.1	00	06	523	11	54	479	44
3	07	10	852	06	55	739	07	12	72.3	06	42	42.8	07	47	531	23	55	423	108
4	12	18	828	08	50	715	16	50	66.1	23	17	48.3	07	00	540	08	17	429	111
5 Q	14	18	829	20	03	746	10	00	67.3	09	41	43.5	04	46	508	09	48	353	155
6 Q	09	16	817	19	38	758	17	47	67.5	23	17	48.5	02	17	534	08	55	482	52
7 D	23	50	1184	19	38	701	19	50	80.1	21	27	32.0	22	59	661	19	42	446	215
8 D	03	12	1349	11	52	-262	12	15	219.0	03	35	-23.1	12	06	1338	03	12	-148	1486
9	23	16	852	19	05	740	16	09	72.6	23	51	43.1	06	28	558	06	46	499	59
10 D	03	12	1006	06	46	393	14	18	72.7	08	37	29.8	21	42	698	06	47	284	414
11 D	02	55	854	11	13	638	15	45	86.0	01	43	41.1	02	58	602	10	52	364	238
12 D	07	30	886	12	47	-131	13	55	110.4	09	41	28.5	09	28	617	09	59	137	480
13	02	52	1137	09	13	339	03	55	96.7	09	01	28.5	02	37	689	03	58	110	579
14	04	10	966	09	15	430	04	25	77.9	06	25	29.6							
15	06	34	891	09	07	746	06	33	93.5	08	42	44.8	03	08	557	06	45	352	205
16	07	13	825	11	09	628	14	25	78.9	22	06	44.7	23	30	559	11	00	258	301
17																			
18	02	20	869	20	25	756	15	51	66.3	02	50	42.6	03	57	579	15	26	491	88
19	03	04	816	07	55	599	08	43	72.5	07	50	36.3	00	10	533	08	38	343	190
20 Q	01	59	823	07	26	756	17	02	66.9	07	24	41.3	05	43	522	07	26	404	118
21 Q	05	13	824	21	42	760	16	13	66.0	22	07	45.2	04	47	532	18	50	483	49
22	13	17	833	20	40	757	14	38	67.8	22	04	49.3	03	05	510	17	43	481	29
23	05	35	821	17	35	759	14	42	66.9	19	45	44.5	21	07	522	14	32	432	90
24	02	24	851	10	13	703	17	05	73.9	22	55	47.9	06	53	521	09	52	290	231
25	00	34	839	17	03	771	17	10	65.9	21	58	44.6	01	03	537	04	53	436	101
26	02	55	847	11	37	764	14	29	67.9	23	34	46.2	02	55	553	10	32	422	131
27	03	34	953	07	08	714	06	57	79.7	03	19	37.2	03	32	571	07	08	298	273
28	05	50	837	19	07	733	17	52	68.5	05	17	34.5	21	06	535	06	00	438	97
29	23	57	845	18	35	715	17	10	82.2	20	48	44.3	19	43	623	08	54	463	160
30 Q	00	04	839	19	35	765	16	23	62.5	22	03	47.8	00	03	535	16	27	467	68
31																			
Mean			894			628			79.5			39.0			590			372	218
No. days			29			29			29			29			28			28	28

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

Table 17 Meanook

H = 12,000 γ +

May 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	803	804	798	804	801	802	806	806	807	805	806	806	807	814	815	812	782	767	756	770	791	801	800	830	800
2	841	886	879	829	808	794	793	800	806	810	810	811	805	776	757	722	729	769	770	787	790	790	808	834	800
3	837	847	850	837	830	812	805	806	812	808	773	800	819	823	821	812	795	791	787	781	794	821	878	1145	828
4 D	988	826	966	965	858	719	609	708	778	752	568	592	615	794	757	736	756	792	784	783	785	785	787	789	771
5	794	802	807	805	800	813	801	782	788	786	750	678	673	743	754	782	763	776	780	800	836	934	926	821	791
6	884	872	980	939	874	832	817	794	767	729	665	705	759	775	760	753	775	775	773	791	790	775	784	812	799
7	798	817	839	828	821	812	801	802	799	787	788	784	791	794	814	805	777	763	773	783	780	814	823	835	801
8	825	792	823	818	843	836	833	817	803	806	809	796	770	752	756	765	766	767	771	774	795	814	818	819	799
9	816	869	843	831	837	841	846	619	624	809	813	809	819	825	832	809	796	776	771	780	800	786	799	809	798
10	820	809	803	805	807	811	821	821	815	815	815	815	813	802	770	802	793	803	780	782	794	807	809	816	805
11	821	871	924	852	853	887	869	806	754	711	721	732	813	834	843	831	815	785	788	786	793	812	807	799	813
12 D	823	841	823	812	823	823	859	828	464	612	597	781	714	153	424	297	401	856	668	883	856	801	879	1018	710
13 D	1227	1267	1016	712	768	852	659	768	767	734	764	768	758	683	566	704	765	768	760	742	760	768	787	792	798
14	831	841	821	815	787	725	754	718	619	659	679	457	693	776	807	786	776	785	784	783	792	792	799	812	754
15	807	844	833	816	793	793	789	772	791	787	790	789	776	786	795	793	788	785	777	777	774	774	772	771	790
16	802	782	793	800	824	784	647	684	682	642	702	749	618	604	635	673	751	769	781	779	796	785	821	882	741
17	961	834	774	771	803	827	823	811	795	788	792	795	798	801	795	788	797	792	786	778	772	771	768	778	800
18 Q	788	793	796	799	795	804	801	805	807	807	807	811	812	815	812	802	792	788	784	788	779	779	776	798	798
19	788	800	800	810	810	808	814	816	818	817	816	814	816	819	819	820	805	798	785	786	798	786	787	796	805
20 Q	803	804	794	805	804	807	811	810	811	816	811	813	812	811	814	813	800	789	798	804	800	805	801	800	806
21	806	806	807	804	804	814	812	808	813	820	821	812	796	761	812	820	811	811	795	796	796	793	791	802	805
22	809	806	810	807	820	811	804	814	813	813	814	823	828	829	835	850	838	818	811	799	807	811	819	831	818
23	813	829	818	813	815	816	811	811	802	812	815	820	823	816	825	821	803	781	781	796	799	798	838	867	813
24	880	827	805	810	811	825	824	819	804	818	812	816	802	827	838	828	818	801	781	783	785	792	787	803	812
25																									
26	809	815	815	813	813	818	813	812	813	804	799	805	803	816	799	788	773	786	784	782	785	790	787	793	801
27	805	814	806	803	803	805	811	815	817	814	788	795	828	810	824	820	820	810	791	785	785	794	808	810	807
28 Q	825	857	842	814	805	805	811	811	807	804	807	816	822	829	826	802	788	792	785	787	794	791	794	800	809
29 Q	807	812	816	814	814	814	811	811	811	811	814	821	828	837	835	824	803	788	789	790	793	789	796	809	810
30 D	815	818	817	816	820	815	813	815	818	817	818	825	833	843	853	843	822	787	780	827	844	1090	1384	1343	877
31 D	1167	1167	1175	1046	930	809	618	679	778	744	688	603	618	735	759	794	801	804	801	776	751	826	875	835	824
Mean	853	852	849	826	819	810	790	786	773	778	768	768	775	769	778	777	777	789	779	788	795	809	830	848	799

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 18 Meanook

D = 24° +'

May 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	50.3	50.9	51.8	51.8	52.1	52.1	52.1	52.3	52.8	53.2	53.6	54.3	54.9	59.0	61.0	63.4	69.4	67.8	58.6	51.9	47.1	45.3	44.1	43.2	53.9
2	44.0	42.0	41.0	53.5	51.5	51.7	51.6	51.8	51.7	51.6	50.9	50.9	52.7	54.3	55.4	55.2	55.1	54.5	48.6	51.7	51.9	48.8	44.8	45.8	50.5
3	48.2	48.6	50.5	51.5	51.1	53.2	52.8	51.7	51.4	49.5	50.2	54.0	55.2	58.4	61.8	63.4	65.7	61.5	62.0	52.8	46.9	47.7	47.5	53.8	53.7
4 D	38.5	33.2	34.7	52.2	52.1	42.3	53.6	48.4	51.4	54.8	57.1	63.0	61.8	59.6	64.0	63.3	59.5	55.9	52.9	49.5	48.7	48.1	48.2	48.2	51.7
5	49.3	50.3	50.5	50.5	51.1	52.3	52.0	52.9	52.6	52.2	55.0	56.9	47.2	68.5	68.1	66.3	60.8	54.1	56.2	49.2	54.8	51.2	53.7	45.9	54.2
6	42.2	46.8	43.7	46.8	48.0	51.1	51.6	50.0	49.2	49.0	46.8	41.8	49.9	58.5	62.1	59.6	62.3	64.3	59.8	55.3	51.2	48.2	48.7	47.9	51.4
7	50.3	49.9	54.1	55.7	51.0	51.0	50.2	50.4	50.3	49.9	53.6	53.7	57.1	59.8	62.6	62.8	63.4	61.4	54.2	47.8	45.5	47.7	46.5	45.3	53.1
8	47.1	47.8	47.0	50.3	49.2	51.4	51.1	51.6	51.4	52.0	52.2	51.1	54.9	56.5	57.3	59.3	59.8	52.7	51.2	46.7	43.9	44.8	43.7	42.3	50.6
9	44.4	39.0	42.5	47.1	44.1	48.5	40.6	38.1	48.9	55.5	50.7	55.2	60.4	65.2	62.4	61.2	56.7	54.8	51.0	46.5	47.0	43.8	44.1	45.9	49.7
10	47.1	50.2	49.5	49.0	49.4	50.3	50.4	51.1	50.9	53.3	53.5	54.7	57.2	56.4	59.4	63.7	58.6	53.8	51.5	50.1	52.1	50.0	49.6	49.3	52.5
11	47.6	48.5	61.2	51.2	47.3	48.4	47.2	46.8	48.7	69.5	46.1	58.5	62.5	64.0	67.9	66.1	62.7	58.4	54.8	49.8	47.4	46.7	46.7	46.3	53.9
12 D	49.4	50.4	50.6	52.1	51.3	51.6	52.1	16.7	20.9	12.2	60.0	87.1	86.6	58.1	47.0	95.3	98.6	87.8	62.6	64.1	56.6	51.8	50.6	52.1	55.2
13 D	58.4	42.6	45.0	22.9	46.2	51.7	49.1	53.8	53.9	52.5	51.7	52.2	53.0	54.8	61.9	63.7	69.1	67.4	62.5	55.9	52.2	49.0	48.4	49.5	52.8
14	51.6	50.7	52.8	55.8	52.8	42.1	49.9	48.4	46.3	49.9	55.0	41.6	56.0	60.1	64.7	67.2	67.0	67.0	58.4	56.4	57.8	54.1	51.4	47.7	54.4
15	49.1	50.7	55.3	53.9	49.8	50.2	49.9	47.4	50.2	50.7	51.5	53.4	56.8	61.2	62.9	62.5	60.7	57.5	52.7	49.6	48.2	46.4	46.1	46.1	52.6
16	45.4	47.1	49.0	49.7	55.5	54.3	59.1	51.4	49.3	49.0	56.0	60.1	65.3	62.0	55.5	59.1	55.5	55.5	50.2	43.4	45.4	45.3	43.9	43.7	52.1
17	42.6	42.2	44.0	47.7	46.9	46.2	48.5	46.3	50.8	50.4	49.3	51.3	52.9	54.3	55.7	57.7	59.2	58.6	54.6	49.9	45.8	44.0	45.2	47.4	49.7
18 Q	47.8	48.7	49.6	49.6	50.6	50.7	50.6	50.9	50.7	50.7	51.7	53.8	57.0	58.6	62.0	61.6	59.7	57.3	54.9	49.8	47.5	46.8	45.4	44.9	52.1
19	45.7	46.7	48.1	48.6	48.4	50.0	49.0	49.9	50.7	51.6	52.3	53.7	55.4	58.0	59.0	60.2	59.6	55.3	51.5	49.2	46.1	43.7	42.8	43.7	50.9
20 Q	45.4	48.6	50.3	51.5	50.4	50.7	50.3	50.2	50.7	51.4	51.6	54.3	54.4	55.6	58.5	58.4	56.7	53.6	51.9	45.4	43.9	46.5	46.8	47.2	51.0
21	48.1	48.0	48.2	48.9	49.9	50.2	51.5	51.9	50.4	51.5	53.6	51.8	54.5	58.3	62.4	60.1	59.5	61.1	55.0	50.6	49.4	45.4	42.9	43.0	51.9
22	43.0	45.1	48.8	52.6	51.4	51.0	50.5	52.2	50.0	49.3	50.3	53.5	55.1	55.1	58.4	61.5	61.3	61.4	56.2	54.8	53.2	47.9	45.5	45.6	52.2
23	48.0	49.7	51.0	53.7	50.9	50.6	49.0	46.7	51.4	50.9	49.0	51.7	55.5	57.0	61.5	61.5	60.8	59.3	48.7	45.1	44.3	41.4	41.6	43.5	51.0
24	45.2	50.2	49.5	48.9	48.9	52.6	61.1	51.5	46.6	49.2	51.2	48.9	54.7	58.5	60.3	62.2	63.0	60.0	56.4	53.2	48.3	46.7	46.7	47.0	52.5
25																									
26	48.7	49.7	50.6	50.7	50.3	50.4	52.6	51.8	49.8	50.5	48.9	50.3	51.4	56.1	61.1	64.8	58.0	54.5	52.1	49.5	46.6	42.9	41.2	42.5	51.0
27	45.1	46.7	49.7	50.7	50.6	50.5	50.3	49.7	48.8	49.7	50.2	56.9	55.4	57.4	61.4	61.3	57.8	53.2	52.6	48.7	45.5	43.9	43.1	43.9	51.0
28 Q	46.3	48.7	53.2	54.1	50.8	48.7	48.9	48.5	47.6	53.3	52.6	53.1	56.4	58.2	60.3	61.1	61.9	59.3	55.2	50.8	46.9	46.0	45.0	45.8	52.2
29 Q	46.8	47.7	47.7	48.0	48.8	49.0	50.5	49.9	49.5	49.3	51.3	52.6	55.6	58.6	59.6	59.4	59.9	57.5	51.7	47.5	44.9	43.1	43.7	44.2	50.7
30 D	45.3	46.5	48.1	49.1	49.8	49.4	48.0	46.8	46.6	46.9	49.5	52.2	55.3	61.6	69.4	68.5	64.4	61.2	64.4	65.6	53.8	58.5	66.5	51.0	54.9
31 D	46.1	46.6	34.8	26.4	44.4	43.7	21.6	39.9	47.8	44.7	50.7	50.3	52.7	60.3	71.0	67.0	63.1	52.1	57.5	54.1	50.5	51.7	48.6	44.9	48.8
Mean	46.9	47.1	48.4	49.2	49.8	49.9	49.9	48.3	47.7	50.1	51.9	54.1	56.3	58.8	61.2	63.2	62.3	59.3	55.3	51.2	49.1	47.2	46.8	46.3	52.1

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

Table 19 Meantook

$Z = 58,500 \gamma +$

May 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	486	485	485	486	486	487	488	488	488	489	489	491	491	493	492	491	492	496	500	504	513	518	532	545	496	
2	559	584	597	561	521	498	486	487	486	487	487	486	486	473	468	423	422	465	482	492	504	509	518	537	501	
3	540	550	559	553	547	531	504	499	491	484	417	438	480	490	491	491	487	480	478	485	495	509	542	578	505	
4 D	582	561	588	497	502	461	397	454	498	474	438	464	432	475	485	474	502	521	534	527	524	524	524	518	498	
5	515	516	509	502	501	499	464	427	429	452	445	416	405	446	454	474	491	491	497	498	526	602	583	519	486	
6	556	556	603	603	534	429	497	506	472	447	410	418	453	454	447	456	500	513	526	532	533	527	519	525	501	
7	513	511	528	525	538	540	524	502	492	454	451	452	472	486	498	501	496	497	507	503	495	513	523	542	502	
8	539	502	504	513	538	543	532	519	502	498	497	488	459	432	435	459	478	491	491	499	496	512	534	532	500	
9	504	530	547	550	547	534	487	370	335	445	473	471	481	486	498	480	511	506	502	502	510	507	497	497	490	
10	493	500	493	491	491	497	475	498	489	475	481	488	484	479	461	464	484	486	482	484	491	513	532	542	491	
11	529	545	599	553	555	554	530	484	439	237	286	374	457	491	503	490	488	487	491	495	504	516	514	500	484	
12 D	506	501	505	508	495	430	339	455	505	498	411	433	348	311	328	413	458	506	509	505	514	515	521	556	461	
13 D	421	257	410	416	428	446	481	526	529	506	533	532	524	538	489	492	527	530	518	511	513	524	541	550	489	
14	556	538	545	519	518	463	479	438	393	434	447	392	444	469	500	513	518	538	511	511	517	526	531	532	493	
15	523	541	542	531	520	513	495	441	492	491	495	502	497	496	501	503	507	502	500	499	498	495	492	491	503	
16	505	500	504	505	510	427	338	454	504	497	410	422	347	310	327	412	457	505	508	504	513	514	520	555	460	
17	590	549	520	506	509	523	492	503	485	464	469	491	501	505	508	502	494	496	491	488	484	490	484	497	502	
18 Q	505	498	496	497	496	497	494	494	492	491	496	501	499	499	496	496	490	490	496	492	492	491	490	491	495	
19	496	498	495	497	490	492	492	490	488	490	496	494	492	492	491	490	488	485	485	487	490	488	488	487	491	
20 Q	490	494	491	497	492	490	490	488	488	487	485	487	488	479	471	475	470	469	472	476	479	481	481	485	484	
21	492	491	490	488	487	490	494	492	487	483	485	479	469	409	445	471	477	473	469	476	476	481	479	478	478	
22	483	485	486	487	490	501	488	479	483	485	487	487	492	480	467	471	469	467	463	465	479	492	499	508	483	
23	503	506	504	503	499	501	499	486	445	458	469	491	497	487	487	491	483	465	464	479	488	492	515	542	490	
24	560	533	499	492	514	510	490	512	494	500	492	495	472	487	499	497	494	485	505	490	492	492	492	501	500	
25																										
26	498	501	495	494	490	491	490	480	479	480	447	460	464	473	465	467	475	469	468	479	488	495	492	485	479	
27	481	480	483	481	481	485	485	403	481	471	421	417	463	463	469	481	481	481	480	480	489	495	499	495	476	
28 Q	501	520	533	519	504	488	488	484	465	449	455	480	490	490	487	477	472	471	474	472	469	469	471	481	484	
29 Q	481	480	479	476	477	479	480	479	477	476	479	483	481	480	474	470	472	475	475	476	478	477	476	481	478	
30 D	487	488	487	485	483	483	485	479	474	471	472	476	476	463	458	450	449	458	463	471	506	630	420	450	478	
31 D	506	500	501	442	318	418	458	469	500	490	485	429	359	443	458	460	496	501	501	504	501	542	555	552	474	
Mean	510	507	516	506	499	490	478	479	476	468	460	465	463	465	468	474	484	490	491	493	499	511	509	515	488	

MEANTOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook

May 1949

Day	Horizontal Intensity						Declination						Vertical Intensity									
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +			Maximum 58,500 γ +			Minimum 58,500 γ +						
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ	
1 Q	23	18	837	18	10	748	89	16	31	71.5	23	07	42.0	29.5	23	18	552	04	12	484	68	
2	02	00	909	16	02	702	207	16	37	62.5	03	00	34.2	28.3	03	06	621	16	10	398	223	
3	23	48	1297	10	28	748	549	16	42	76.8	20	47	41.7	35.1	23	11	652	10	51	387	265	
4 D	00	00	1164	06	34	457	707	12	18	93.0	01	30	26.9	66.1	02	40	638	06	28	193	445	
5	22	00	1019	11	52	610	409	13	47	73.0	23	57	39.2	33.8	21	57	677	08	02	362	315	
6	03	01	1048	10	38	638	410	05	17	70.0	05	27	26.8	43.2	02	08	625	05	25	151	474	
7	02	49	858	17	35	756	102	02	48	65.9	20	08	43.9	22.0	23	49	572	11	13	441	131	
8	04	34	869	12	57	737	132	16	23	61.7	23	30	40.1	21.6	00	08	567	12	59	422	145	
9	06	55	910	07	52	437	473	08	04	80.1	07	15	00.4	79.7	02	57	567	07	10	151	416	
10	06	37	854	14	51	739	115	15	06	65.2	00	02	46.0	19.2	23	07	559	06	40	418	141	
11	02	33	1018	09	05	609	409	08	55	87.4	10	11	33.3	54.1	02	28	640	10	06	054	586	
12 D	20	05	1334	13	24	-238	1572	16	14	177.1	09	55	-43.0	220.1	14	13	1525	07	47	141	1384	
13 D	01	28	1680	14	06	384	1296	00	44	90.1	03	25	-10.7	100.8	04	10	716	01	49	151	565	
14	01	04	894	11	30	301	593	16	10	71.6	11	42	28.7	42.9	00	50	580	11	20	255	325	
15	01	40	871	07	26	733	138	14	17	63.9	07	23	44.4	19.5	01	42	569	07	30	373	196	
16	23	59	967	12	40	509	458	12	40	77.8	05	52	35.1	42.7	09	07	579	06	33	243	336	
17	00	09	985	04	19	757	228	16	15	60.8	01	12	37.9	22.9	00	30	609	10	01	449	160	
18 Q	14	45	820	23	07	760	60	14	33	62.8	23	39	44.4	18.4	00	15	508	20	07	487	21	
19	15	55	842	16	25	759	83	16	44	63.7	22	37	42.3	21.4	03	08	504	16	23	478	26	
20 Q	09	22	821	17	18	781	40	15	47	60.5	19	50	43.0	17.5	01	50	501	18	05	464	37	
21	11	18	833	13	25	719	114	14	08	65.5	22	46	42.0	23.5	06	20	503	13	28	386	117	
22	15	33	860	02	55	771	89	14	12	63.8	00	35	41.4	22.4	23	13	514	17	45	458	56	
23	23	58	885	18	15	772	113	15	07	64.1	21	05	38.7	25.4	23	53	559	08	55	397	162	
24	00	18	893	18	03	776	117	06	32	70.4	00	07	43.3	27.1	00	47	573	05	36	458	115	
25																						
26	03	04	834	16	28	757	77	15	13	66.1	21	59	40.2	25.9	01	08	509	10	37	436	73	
27	12	43	835	11	17	763	72	14	29	64.0	22	28	42.1	21.9	22	55	503	11	20	379	124	
28 Q	01	33	865	18	35	775	90	15	51	63.7	08	48	44.4	19.3	03	51	553	08	50	423	130	
29 Q	13	35	842	18	27	781	61	15	00	60.3	21	23	42.9	17.4	06	52	487	15	32	468	19	
30 D	22	55	1502	17	05	742	760	22	39	80.6	23	50	34.1	46.5	21	37	679	22	45	242	437	
31 D	02	06	1252	11	06	409	843	14	58	77.9	06	11	-13.9	91.8	06	58	594	04	42	169	425	
Mean			987			640	347			73.7			31.7	42.0			608			344	264	
No. days			30			30	30			30			30	30			30			30	30	

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

Table 21 Meanook

H = 12,000 γ +

June 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	939	958	936	931	857	742	781	760	634	769	766	722	730	787	812	828	818	800	799	791	791	781	813	811	806	
2	816	804	796	809	812	805	812	793	710	686	628	693	763	763	782	806	787	798	783	788	798	795	813	814	777	
3	837	821	796	804	812	818	800	798	789	771	743	799	814	818	810	812	805	784	784	771	770	784	875	919	806	
4 D	1246	1114	846	783	785	804	819	754	774	718	636	710	679	658	481	421	241	445	666	749	804	826	901	988	744	
5 D	1043	1108	1198	1241	1041	772	786	511	514	607	535	306	182	089	096	045	084	298	679	726	828	875	1035	1078	653	
6 D	1081	1099	961	875	796	764	799	802	792	792	806	806	814	803	823	805	796	777	776	789	780	881	796	862	836	
7	838	902	922	995	934	859	778	487	591	758	783	792	828	803	822	815	803	796	794	792	798	811	783	796	803	
8 Q	803	802	813	798	806	811	805	808	782	789	811	820	820	828	830	811	803	783	782	785	794	798	813	823	805	
9	842	867	858	800	797	798	811	817	794	806	822	832	838	841	838	824	813	806	786	782	803	795	794	812	816	
10 Q	815	828	831	813	806	811	811	813	814	816	822	827	831	831	824	817	801	786	782	772	780	785	788	808	809	
11 Q	821	825	823	820	816	812	814	815	815	819	824	832	841	832	828	820	800	789	772	769	789	804	838	863	816	
12 D	872	956	1083	1016	933	895	649	645	725	672	606	530	450	450	570	590	705	765	848	863	852	1034	1319	1315	806	
13 D	1135	917	890	821	847	821	770	763	758	578	658	674	746	783	790	793	774	785	789	785	786	796	829	836	797	
14	816	811	807	811	811	807	806	798	783	783	789	785	774	830	832	825	815	804	798	791	782	810	815	828	805	
15	794	816	833	820	846	818	807	806	797	705	782	791	794	808	831	831	832	794	807	775	792	788	790	799	802	
16	806	813	812	813	819	824	819	819	819	819	820	830	831	842	842	828	813	801	796	785	799	792	789	799	814	
17	810	820	815	815	817	817	820	824	823	824	820	818	815	829	819	809	802	796	794	793	800	852	806	877	817	
18	990	836	817	862	850	811	828	813	683	680	761	766	710	792	808	804	801	815	815	803	805	805	813	838	804	
19	850	846	846	845	832	812	817	817	809	816	768	788	831	831	819	820	822	807	798	790	790	801	800	810	815	
20	824	824	824	826	820	814	814	814	807	814	816	806	806	784	777	800	794	783	779	791	787	797	795	808	804	
21 Q	809	816	823	816	818	822	820	814	807	808	806	828	845	848	857	850	832	815	801	783	790	793	802	814	817	
22	824	825	820	824	818	821	828	821	825	740	593	730	832	820	773	750	739	792	801	804	806	802	803	812	792	
23 Q	821	829	822	824	816	814	812	813	811	800	797	820	823	847	835	820	797	786	789	800	808	807	807	814	813	
24	819	816	819	817	818	816	817	819	822	821	823	805	805	833	837	821	800	778	770	770	786	812	800	810	810	
25	881	940	882	811	804	830	759	748	713	704	608	731	754	764	829	817	805	784	774	787	783	803	798	805	788	
26	807	827	830	828	832	823	820	817	803	797	824	825	816	776	814	837	824	793	786	779	786	806	857	814	813	
27	798	857	843	818	834	812	816	821	818	818	807	808	828	832	831	816	793	777	773	765	771	777	803	838	811	
28	843	836	826	812	808	814	821	820	770	731	779	824	839	843	832	789	793	785	781	776	769	789	831	822	806	
29	808	867	881	921	836	797	800	807	793	785	798	831	828	818	816	797	783	786	790	793	783	824	808	854	817	
30	817	824	826	831	812	817	819	818	810	807	774	772	731	785	821	820	817	801	798	782	791	812	794	792	803	
31																										
Mean	874	873	863	853	834	813	802	778	766	761	754	763	766	772	776	767	756	764	783	784	793	814	837	855	800	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Meanook

D = 24° + ...'

June 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	42.0	42.2	40.6	48.7	46.6	42.8	48.3	52.6	46.8	54.3	51.8	53.1	58.5	63.3	65.4	64.9	63.7	62.9	58.3	53.1	50.1	47.3	45.9	46.6	52.1	
2	44.8	45.7	47.8	49.8	49.5	48.7	49.3	47.1	58.3	63.2	57.9	65.5	58.9	57.5	60.2	61.5	62.3	57.7	55.7	49.6	46.7	46.7	46.1	45.2	53.2	
3	45.0	46.2	48.4	48.1	48.1	46.3	46.2	49.3	47.9	53.1	47.5	52.5	57.4	61.5	63.5	65.6	63.3	62.9	56.2	52.9	48.9	45.6	41.5	36.9	51.4	
4 D	38.4	46.8	38.1	38.1	42.5	43.9	42.1	30.9	50.0	46.0	53.1	50.3	59.1	46.2	58.7	60.5	58.5	69.7	48.9	45.3	39.7	42.3	46.2	48.8	48.1	
5 D	43.9	45.1	34.1	38.2	26.4	20.4	12.3	25.2	33.4	36.0	43.9	50.4	53.5	53.5	19.9	45.4	55.5	52.1	52.8	59.8	51.6	57.0	66.4	60.3	43.2	
6 D	51.8	44.8	50.9	59.5	51.3	49.7	48.6	47.3	46.3	47.0	50.0	51.7	52.8	56.4	59.2	60.4	63.4	58.9	55.0	47.0	47.0	52.9	39.6	43.7	51.5	
7	43.1	41.5	43.5	49.9	48.3	48.1	44.2	36.6	66.1	53.8	51.7	54.7	59.1	61.8	64.4	64.4	64.4	60.0	54.4	51.3	47.1	45.0	46.0	45.7	51.9	
8 Q	47.3	48.9	49.9	49.4	49.4	55.6	55.2	55.7	51.8	54.9	51.7	52.9	56.6	60.4	61.9	59.3	57.5	53.5	47.1	47.3	45.3	44.3	44.4	45.5	51.9	
9	46.3	50.3	53.5	50.3	49.0	47.9	39.2	39.3	42.6	41.8	43.1	54.3	58.8	60.8	61.8	60.8	60.6	58.0	54.2	51.1	44.5	43.6	41.8	40.2	49.7	
10 Q	43.1	46.2	48.2	49.3	50.2	49.7	49.1	49.0	49.4	50.7	50.7	53.1	55.5	56.7	60.0	60.6	60.6	57.6	51.7	46.3	43.6	43.7	43.3	43.7	50.5	
11 Q	45.5	47.1	48.0	47.8	48.2	49.0	49.4	49.2	50.2	51.9	53.1	54.9	56.9	59.0	61.8	63.9	63.7	57.7	54.4	49.7	46.5	44.7	42.4	41.4	51.5	
12 D	41.6	36.5	37.7	41.0	47.2	52.5	68.8	54.5	50.8	56.1	59.1	59.9	68.4	66.4	65.4	62.8	63.2	53.2	56.2	63.2	55.1	57.8	59.9	39.6	54.9	
13 D	39.1	45.5	46.1	47.3	47.2	49.0	47.5	48.8	49.1	55.8	56.2	53.5	55.3	60.4	62.0	63.4	62.3	57.5	54.6	50.4	48.3	46.4	47.3	46.7	51.7	
14	47.6	47.4	48.7	50.1	49.2	49.1	47.4	46.7	47.4	51.1	49.9	48.1	51.9	56.1	59.3	62.3	62.3	60.3	56.1	51.0	45.3	42.3	41.7	40.7	50.5	
15	43.9	44.5	45.7	46.7	60.8	64.8	52.5	49.2	47.6	41.9	45.5	50.5	55.9	60.2	62.9	63.2	67.0	52.7	56.0	51.3	47.4	43.3	40.2	41.4	51.5	
16	45.5	46.9	49.4	50.4	49.6	47.5	48.4	48.6	49.9	50.1	50.9	54.2	56.8	58.8	62.1	63.0	66.0	62.4	55.7	51.5	48.1	44.5	41.6	43.4	51.9	
17	44.6	45.2	47.0	46.8	47.5	48.5	48.5	48.5	48.6	51.3	52.8	54.5	56.3	59.3	63.0	65.6	65.3	61.1	54.8	51.6	45.1	42.9	39.0	35.8	51.0	
18	43.7	44.5	46.8	47.4	57.1	52.4	51.0	49.5	46.8	55.9	49.2	50.1	51.4	58.5	62.2	63.5	59.0	50.5	53.5	47.8	48.5	46.3	46.1	48.6	51.3	
19	49.6	51.3	50.6	51.5	56.4	54.2	61.0	54.1	54.1	50.8	47.4	58.2	58.3	59.0	60.2	61.9	57.9	57.3	55.3	52.5	49.5	47.6	46.7	47.0	53.8	
20	47.6	48.3	49.3	50.6	51.2	52.2	53.2	48.6	49.1	49.4	50.3	50.6	54.4	55.9	56.4	59.3	60.6	54.6	47.6	46.9	45.0	45.1	46.5	48.1	50.9	
21 Q	49.4	50.6	53.2	51.7	50.8	53.7	49.6	49.5	49.8	48.1	51.3	53.2	58.5	59.4	61.8	61.6	58.8	55.8	50.0	48.4	48.4	47.6	46.6	47.6	52.3	
22	49.0	50.4	50.7	50.8	50.7	51.0	50.7	50.2	49.7	48.7	56.5	65.6	63.4	60.3	60.3	58.9	57.1	50.6	59.8	54.7	47.0	47.0	47.1	49.4	53.3	
23 Q	51.5	52.4	54.3	53.2	51.6	51.0	51.2	50.9	52.6	54.4	53.4	55.8	58.2	61.3	60.7	60.7	57.2	53.5	50.2	47.7	46.6	46.7	47.8	48.9	53.0	
24	48.4	48.9	49.9	50.7	50.4	50.0	49.3	48.9	49.6	50.8	50.9	55.4	57.5	60.7	60.8	59.5	60.1	62.4	55.9	46.9	44.2	41.9	42.3	43.7	51.6	
25	45.6	47.6	51.8	49.2	47.8	47.8	74.9	60.6	51.0	49.0	56.3	64.7	71.4	61.6	64.3	65.4	64.3	61.3	53.5	47.8	44.9	45.9	46.2	46.2	55.0	
26	46.2	46.3	47.8	49.0	46.9	49.6	49.0	49.0	49.3	52.2	53.9	55.7	58.7	57.0	64.0	61.3	63.5	63.2	57.8	50.8	47.5	41.3	41.6	44.1	51.9	
27	42.9	43.2	48.5	47.8	46.5	51.7	53.8	48.9	48.9	49.6	52.0	54.1	58.9	62.2	64.9	65.9	65.4	62.8	56.7	51.5	43.0	37.3	36.3	39.8	51.4	
28	41.2	46.3	48.1	49.6	50.7	49.8	49.3	50.7	50.7	56.6	54.4	53.9	57.6	60.3	63.6	63.9	67.8	61.8	54.2	47.9	45.2	43.1	41.5	40.8	52.0	
29	42.8	43.8	44.9	45.7	43.1	50.9	50.9	49.1	44.9	49.7	47.9	51.6	56.6	59.6	61.5	62.6	59.4	58.8	53.5	52.6	49.9	47.9	42.9	40.3	50.5	
30	43.1	44.9	50.9	48.7	50.9	49.1	52.1	53.8	48.9	47.9	46.3	49.2	55.7	61.2	61.6	64.9	64.3	62.6	56.0	50.6	48.7	47.0	45.2	45.2	52.0	
31																										
Mean	45.2	46.3	47.5	48.6	48.8	49.2	49.8	48.1	49.4	50.7	51.3	54.7	57.7	59.5	60.5	61.9	61.8	58.4	54.2	50.6	47.0	45.8	45.0	44.5	51.5	

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

Table 23 Meanook

$Z = 58,500 \gamma +$

June 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	589	563	559	522	516	392	451	471	414	442	459	407	411	460	486	500	495	490	491	484	480	479	501	522	483	
2	515	502	489	488	482	479	474	446	298	362	319	403	456	471	473	490	485	478	473	478	485	496	511	526	462	
3	538	530	494	483	494	498	495	478	463	379	364	439	468	478	484	485	485	484	480	478	487	494	503	538	480	
4 D	582	545	552	507	495	483	463	279	435	433	360	360	358	247	095	088	158	302	388	455	519	590	610	589	412	
5 D	610	618	633	513	478	403	599	479	522	509	601	597	662	414	233	278	292	297	543	608	631	681	692	635	522	
6 D	625	608	489	478	525	429	466	497	472	469	498	499	497	489	500	500	494	482	476	487	487	532	548	554	504	
7	564	565	573	530	522	514	441	496	490	439	435	452	484	474	486	489	486	480	475	474	480	485	475	476	491	
8 Q	480	485	487	477	478	473	457	449	409	416	449	470	476	475	478	478	480	482	478	476	486	488	489	490	471	
9	490	519	539	501	487	476	475	461	414	442	478	485	480	474	477	475	470	468	468	476	476	471	470	468	477	
10 Q	464	472	479	475	475	476	471	470	471	470	471	470	473	471	468	470	468	464	457	457	462	471	473	475	470	
11 Q	476	473	473	472	468	467	468	468	468	468	468	470	473	466	459	454	446	447	454	457	473	497	513	537	471	
12 D	567	610	627	619	570	536	295	388	468	414	508	385	419	376	254	295	378	478	513	530	554	626	516	431	473	
13 D	429	490	541	532	513	498	489	478	462	379	415	412	444	470	476	478	480	495	493	480	482	484	505	503	476	
14	494	494	490	496	495	489	485	482	457	449	441	417	392	451	470	493	491	484	478	476	479	489	495	489	474	
15	489	484	498	500	522	476	486	478	461	327	395	450	468	470	476	470	468	464	462	457	467	469	476	477	466	
16	477	482	477	472	473	470	469	467	474	467	467	475	477	481	477	477	470	458	461	459	462	465	474	483	471	
17	482	478	475	472	470	470	467	467	465	468	467	466	453	456	465	463	459	456	450	456	472	494	488	528	470	
18	567	512	503	518	510	469	477	460	371	326	383	411	371	438	435	440	459	470	482	483	485	492	504	514	462	
19	536	521	518	515	526	496	488	478	445	445	421	415	449	466	467	460	471	462	467	470	479	477	477	483	476	
20	483	478	473	473	475	474	466	413	403	448	463	459	451	432	424	448	453	451	463	467	474	477	485	488	459	
21 Q	492	494	488	484	477	475	471	461	415	447	417	470	477	472	462	461	454	451	461	454	458	460	467	467	464	
22	469	470	466	467	463	468	469	468	466	305	226	323	431	440	393	370	372	408	448	465	465	467	468	472	427	
23 Q	482	484	487	488	481	477	476	471	450	424	420	450	461	471	475	475	467	465	467	465	460	463	465	466	466	
24	467	469	463	462	467	467	467	465	460	456	445	421	413	444	461	459	443	434	440	436	435	447	456	462	452	
25	509	576	529	488	468	468	397	373	419	431	334	312	357	431	468	481	468	467	454	461	454	460	470	475	448	
26	472	470	472	476	476	483	477	471	438	391	447	461	454	406	418	444	443	436	432	436	456	465	489	490	454	
27	488	496	506	482	479	434	424	460	459	460	451	449	456	462	460	460	456	450	447	448	450	447	456	479	461	
28	487	488	485	477	470	463	460	441	323	283	356	424	461	473	467	436	439	447	465	454	457	467	498	516	447	
29	497	510	531	530	483	478	467	456	428	402	444	472	477	467	456	446	442	445	467	470	494	521	499	499	474	
30	483	483	501	473	477	467	456	436	454	455	397	398	348	381	445	461	463	456	448	443	456	493	486	473	451	
31																										
Mean	510	512	510	496	490	472	465	454	439	420	427	437	450	447	436	441	444	452	466	471	480	495	499	500	467	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook

June 1949

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range γ	Maximum 24° E +		Minimum 24° E +		Range '	Maximum 58,500 γ +		Minimum 58,500 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	03 03	1052	09 41	479	573	14 37	66.8	05 35	25.9	40.9	00 57	616	05 07	246	370
2	00 35	834	08 12	537	297	11 08	83.8	08 01	28.5	55.3	24 00	536	08 05	157	379
3	24 00	1122	10 10	710	412	15 38	67.4	23 55	27.6	39.8	24 00	613	10 19	324	289
4 D	00 22	1357	16 10	-205	1562	14 40	102.3	07 02	11.0	91.3	00 05	736	16 23	019	717
5 D	03 52	1343	13 23	-275	1618	13 21	128.9	04 04	-41.0	169.9	13 00	1424	13 18	-201	1625
6 D	01 10	1177	05 58	662	515	05 46	72.3	06 56	27.2	45.1	01 07	667	05 50	179	488
7	03 30	1035	07 05	389	648	08 14	89.7	07 17	19.6	70.1	01 58	606	06 41	349	257
8 Q	23 27	844	06 06	757	87	05 50	65.2	20 30	43.5	21.7	02 35	504	09 07	367	137
9	01 50	882	19 05	763	119	15 09	63.7	23 17	39.0	24.7	02 18	552	08 17	371	181
10 Q	02 41	843	19 20	764	79	15 06	63.0	00 04	41.3	21.7	02 50	484	08 50	455	29
11 Q	23 47	882	19 48	750	132	16 34	66.4	22 48	39.8	26.6	24 00	554	16 26	445	109
12 D	24 00	1431	12 58	349	1082	12 01	109.2	23 09	26.8	82.4	21 39	679	06 55	200	479
13 D	00 05	1274	09 10	511	763	09 19	67.4	00 24	26.8	40.6	02 10	573	09 06	295	278
14	23 35	849	12 22	755	94	15 45	63.2	23 25	37.5	25.7	23 36	505	12 28	364	141
15	01 57	884	09 20	657	227	17 18	72.1	09 10	36.5	35.6	04 15	552	09 17	276	276
16	05 05	850	19 55	772	78	16 45	70.6	23 02	41.0	29.6	23 50	488	17 41	450	38
17	23 50	891	22 28	733	158	15 20	67.7	23 20	33.4	34.3	23 52	564	12 30	445	119
18	00 38	1127	09 00	511	616	09 21	75.7	09 03	33.8	41.9	00 30	619	08 54	248	371
19	00 45	909	10 49	718	191	15 11	64.6	10 13	43.1	21.5	00 46	565	10 57	348	217
20	04 02	838	14 13	758	80	05 53	62.4	20 56	43.0	19.4	23 40	495	08 04	364	131
21 Q	14 44	867	19 40	769	98	14 36	65.2	22 40	45.5	19.7	01 26	499	08 23	378	121
22	03 17	846	10 13	551	295	11 42	70.7	17 12	41.4	29.3	21 57	477	09 56	188	289
23 Q	01 15	847	10 20	775	72	14 01	63.1	21 05	45.2	17.9	03 36	498	10 26	407	91
24	13 56	846	18 56	763	83	17 29	64.5	21 42	40.8	23.7	00 57	477	11 58	399	78
25	01 55	962	10 22	478	484	06 55	90.9	10 08	38.2	52.7	01 53	607	11 03	227	380
26	23 00	873	19 09	761	112	14 43	67.7	21 47	39.1	28.6	23 10	501	09 11	359	142
27	02 00	878	19 12	756	122	16 29	68.8	22 17	34.5	34.3	02 31	517	05 37	358	159
28	00 51	859	09 11	699	160	16 46	68.8	23 25	38.3	30.5	23 27	531	08 56	246	285
29	03 58	1104	09 01	737	367	15 47	64.2	08 50	36.7	27.5	03 53	575	08 57	337	238
30	02 26	875	12 22	708	167	15 25	65.8	10 20	42.0	23.8	02 25	526	12 36	332	194
31															
Mean		979		603	376		73.7		32.8	40.9		585		298	287
No. days		30		30	30		30		30	30		30		30	30

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

Table 25 Meanook

H = 12,000 γ +

July 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	837	842	837	826	818	815	815	798	774	804	812	811	825	837	833	825	815	805	778	766	780	791	795	806	810
2 Q	818	820	820	832	822	820	809	807	807	807	809	810	820	822	829	830	820	806	788	777	769	770	795	816	809
3	819	822	820	821	819	816	813	812	813	815	814	812	809	809	810	817	819	815	805	798	784	785	794	803	810
4 Q	809	811	813	816	821	823	823	822	820	813	815	816	822	821	815	816	821	820	802	799	800	794	796	806	813
5	814	823	809	812	812	815	819	819	815	810	810	817	821	821	823	819	799	775	768	775	777	781	814	823	807
6	829	831	827	820	820	815	814	817	821	820	823	828	830	825	822	823	808	788	778	775	781	792	807	816	813
7	835	856	828	817	817	823	827	831	828	822	824	825	821	800	786	787	832	807	776	768	789	806	815	828	814
8	838	838	836	822	821	820	814	813	814	812	779	763	820	847	860	840	804	753	759	792	807	816	821	824	813
9	830	821	824	814	816	820	827	774	675	697	711	767	825	841	844	845	835	816	802	795	799	797	808	820	800
10	828	826	827	820	818	819	819	820	821	818	821	826	832	827	835	818	803	796	784	789	792	802	809	817	815
11	821	823	823	824	835	828	823	817	815	818	820	821	827	829	850	850	832	809	776	775	780	792	809	804	817
12	811	817	818	817	817	816	817	822	821	817	814	814	819	817	817	843	845	831	815	795	803	807	802	810	817
13 D	833	826	857	843	876	751	688	755	697	794	865	855	857	844	830	867	883	865	836	820	820	816	816	818	821
14	819	822	824	823	839	857	857	871	843	825	825	819	825	837	837	846	840	820	804	783	776	785	797	811	824
15 Q	821	818	811	811	808	815	819	818	818	818	820	822	829	832	830	828	818	808	791	780	781	787	799	807	812
16 D	809	809	811	815	819	819	823	826	834	841	835	824	816	760	791	811	809	784	789	803	814	809	855	830	814
17 D	850	845	804	802	809	806	814	812	636	716	774	743	641	631	703	730	767	822	802	800	795	809	823	825	773
18	822	822	815	815	814	814	811	811	806	797	737	834	838	816	834	812	802	811	782	804	824	835	862	822	814
19 D	826	833	842	897	831	835	822	726	633	498	689	804	784	726	804	811	795	795	809	824	829	833	835	849	789
20	888	846	826	806	804	811	800	800	800	800	811	784	762	766	771	791	806	789	777	777	794	806	802	815	801
21	817	813	802	800	802	804	806	813	817	804	773	704	693	771	780	800	809	796	796	800	793	815	817	806	793
22	822	820	809	813	815	817	817	822	806	813	784	806	844	817	820	811	795	766	777	794	785	769	775	812	805
23 D	849	880	939	966	1021	840	808	768	772	779	794	766	607	740	819	834	830	792	754	743	753	778	798	828	811
24	806	836	831	813	812	805	808	809	814	811	812	816	812	811	797	767	771	768	773	767	764	785	795	820	800
25	810	834	835	825	856	818	762	811	818	810	803	804	832	813	816	815	797	773	763	751	769	801	804	807	805
26	816	818	815	806	806	819	816	748	814	808	808	804	804	820	825	816	793	776	771	777	794	801	806	808	803
27 Q	849	827	808	804	811	811	818	820	815	811	806	808	815	818	815	795	787	782	778	782	804	824	824	824	810
28 Q	824	822	818	824	822	820	818	818	815	813	815	818	813	806	800	795	793	787	773	777	775	780	797	818	806
29	832	820	818	816	823	824	827	822	822	818	832	833	836	847	850	846	836	818	790	779	776	779	794	812	819
30	829	826	822	823	816	822	830	829	836	833	829	836	836	843	853	850	838	823	803	793	782	787	791	808	822
31	815	834	814	817	826	826	816	816	818	822	819	829	831	835	847	850	833	811	800	792	784	784	791	802	817
Mean	827	828	825	825	827	818	812	808	795	796	803	807	805	807	817	819	814	801	787	785	789	797	808	816	809

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
 Mean values for periods of sixty minutes, Universal Time

Table 26 Meanook

D = 24° E + ...'

July 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	46.2	48.9	51.2	50.9	51.0	51.7	51.1	50.1	48.2	49.0	49.7	51.7	56.2	57.6	57.8	58.2	58.8	56.7	52.8	46.4	44.9	42.3	41.9	42.6	50.6	
2 Q	44.1	47.9	49.8	51.3	54.3	54.7	50.7	49.2	49.3	50.2	50.9	52.5	55.7	57.0	57.9	58.5	56.9	56.6	50.7	47.9	46.3	46.2	46.2	46.5	51.3	
3	47.8	49.3	50.9	50.2	49.6	49.1	49.9	50.0	51.0	51.0	51.3	51.4	54.9	57.6	59.7	62.0	61.3	57.9	53.5	47.6	44.5	42.6	43.1	43.4	51.2	
4 Q	45.9	48.3	49.5	50.8	50.4	49.5	49.0	48.7	49.3	49.2	51.2	52.1	55.5	57.0	59.3	61.3	59.6	55.4	50.8	46.9	44.3	42.0	42.7	44.3	50.5	
5	46.4	47.3	47.8	48.7	48.7	48.7	48.2	49.2	48.7	50.6	51.8	54.7	57.3	56.8	58.5	58.8	58.3	55.4	51.4	48.6	44.2	41.4	42.0	43.1	50.3	
6	46.2	48.0	49.0	48.6	49.4	49.7	49.0	49.0	49.2	50.5	52.6	54.4	57.3	59.5	60.9	61.4	61.0	59.1	56.3	49.4	44.9	43.4	44.2	46.1	51.6	
7	46.5	48.9	50.2	49.0	48.8	48.3	48.4	49.7	51.0	51.4	49.8	49.9	54.3	61.0	52.1	52.5	59.2	54.3	51.2	45.9	44.7	46.5	49.4	50.5	50.5	
8	52.6	53.7	53.4	53.3	51.8	52.5	56.5	52.4	50.7	52.5	49.7	53.8	60.4	61.3	63.4	61.1	62.3	54.2	47.4	43.2	41.2	42.4	44.3	47.4	52.6	
9	48.9	49.7	49.7	49.5	48.9	49.5	51.0	71.6	56.5	75.7	56.6	55.0	60.3	58.7	60.9	58.6	57.2	54.7	51.1	49.2	46.8	45.8	45.2	46.0	54.0	
10	48.7	49.7	51.1	51.1	50.5	49.9	49.8	50.4	51.4	53.1	52.0	53.7	55.1	54.9	59.2	59.2	59.0	58.1	53.1	52.0	44.2	43.0	44.8	46.6	51.7	
11	48.1	49.1	59.3	59.8	51.9	54.0	49.7	49.7	49.7	50.3	49.2	50.8	53.7	59.2	62.7	60.7	58.4	56.4	54.2	46.0	44.8	43.9	44.8	45.1	52.1	
12	47.6	50.4	51.5	50.7	50.1	50.1	49.8	50.0	49.9	49.8	49.9	53.6	58.2	60.5	63.6	64.3	64.1	58.8	52.5	47.6	44.7	37.8	36.0	37.3	51.2	
13 D	40.4	47.6	48.4	47.7	46.7	63.1	64.1	58.4	51.2	56.5	50.9	50.7	54.4	55.9	63.1	63.1	60.2	60.0	53.5	46.7	44.5	43.2	43.7	44.7	52.4	
14	46.3	48.6	48.9	49.7	48.8	43.5	47.4	44.7	50.7	50.8	52.9	54.9	57.3	57.0	58.0	60.0	61.8	60.2	55.3	48.0	43.1	43.0	42.8	44.1	50.7	
15 Q	46.4	49.1	50.5	50.4	49.9	49.8	50.4	49.7	49.8	49.8	49.8	50.5	55.5	58.0	59.2	59.5	61.1	60.6	59.2	53.5	47.4	42.0	41.7	43.9	51.6	
16 D	46.5	47.6	49.1	49.6	49.2	49.6	49.4	49.4	49.6	49.1	49.7	53.2	55.9	60.3	64.3	68.2	67.6	65.9	55.0	45.7	44.6	41.8	44.6	45.4	52.1	
17 D	47.4	49.2	51.0	50.6	50.5	52.1	50.1	49.2	59.5	51.3	52.2	54.4	56.2	69.2	67.1	63.2	58.7	53.1	51.8	49.0	47.4	50.2	54.0	59.1	54.0	
18	63.1	62.4	59.1	56.2	51.7	50.3	49.1	49.6	50.7	50.3	48.5	54.3	56.3	60.1	63.6	63.6	62.8	57.8	55.6	48.9	46.8	43.2	44.4	45.8	53.9	
19 D	46.4	51.2	49.8	50.5	62.0	51.7	54.0	57.7	55.5	46.9	57.5	50.3	55.5	62.7	62.0	57.0	56.0	54.0	50.3	50.5	46.2	44.0	46.7	49.5	52.8	
20	53.1	54.8	48.8	48.3	49.1	49.1	48.8	49.1	48.3	49.3	48.8	45.9	49.1	54.8	55.5	58.7	57.7	55.3	50.7	48.3	44.3	43.1	44.3	47.6	50.1	
21	50.8	50.5	51.0	51.3	52.9	53.8	49.3	49.1	49.8	51.0	54.9	48.1	48.4	58.2	61.8	62.1	62.5	61.6	54.9	52.5	48.6	44.1	43.3	44.5	52.3	
22	47.5	48.7	50.6	50.1	49.9	49.6	49.1	48.4	53.6	53.9	52.3	49.9	56.3	58.3	62.6	64.3	64.7	62.1	54.9	45.7	40.1	38.9	40.2	41.7	51.4	
23 D	43.7	47.4	47.4	42.7	44.6	49.1	48.8	50.0	51.1	56.0	51.7	57.6	63.2	61.6	63.3	65.3	65.8	55.6	55.1	45.9	43.5	41.1	40.8	42.7	51.4	
24	44.7	46.4	46.3	47.1	47.5	47.3	48.0	47.7	47.7	48.4	50.3	52.5	54.4	57.1	60.1	61.4	62.0	55.9	55.4	50.3	44.2	39.5	39.5	41.4	49.8	
25	46.2	46.5	48.8	48.1	51.5	49.3	70.4	51.8	46.3	45.7	46.5	49.9	48.8	57.3	60.6	62.4	64.4	63.4	55.1	43.0	40.6	42.3	40.5	42.4	50.9	
26	46.2	48.4	49.2	48.9	48.2	47.1	42.7	46.2	49.0	48.2	48.3	48.4	53.6	56.5	56.4	55.7	54.3	51.1	49.2	48.4	47.2	43.7	41.4	42.3	48.8	
27 Q	48.0	48.3	47.6	48.0	48.3	48.0	46.8	47.6	48.3	48.5	49.0	51.6	56.4	60.0	62.2	63.4	60.5	57.9	53.5	49.2	44.2	43.5	44.9	45.4	50.9	
28 Q	45.3	47.4	47.2	47.9	48.2	47.9	47.5	47.5	48.4	50.6	52.2	54.4	56.1	55.4	58.0	60.6	60.6	56.6	50.6	46.5	39.6	36.4	38.1	38.8	49.2	
29	40.9	43.2	45.1	45.7	46.1	46.1	44.2	44.3	46.1	48.2	51.8	52.5	54.7	57.7	62.6	64.2	63.2	61.3	55.9	51.6	46.6	42.7	40.1	42.2	49.9	
30	44.2	45.8	47.0	47.2	47.2	48.3	48.0	47.1	48.6	49.4	48.8	48.8	49.0	51.7	57.6	58.7	56.8	56.4	51.7	46.8	43.7	39.4	40.3	41.9	48.5	
31	45.5	46.6	49.7	49.3	48.6	53.8	52.2	49.4	48.8	48.6	49.2	51.3	54.3	56.7	59.2	63.3	60.9	65.3	56.0	50.9	47.5	45.6	43.8	43.1	51.6	
Mean	47.1	49.1	50.0	50.7	49.9	50.2	50.4	50.2	50.2	51.2	51.0	52.0	55.3	58.4	60.4	61.0	60.6	57.8	53.2	48.1	44.7	42.7	43.5	44.7	51.3	

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

Table 27 Meanook

$z = 58,500 \gamma +$

July 1949

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	476	498	509	497	480	449	450	433	376	438	447	453	466	467	466	459	453	454	455	453	455	466	475	477	460
2 Q	485	489	478	484	475	467	465	458	456	457	458	460	459	457	455	453	446	440	433	433	434	442	455	466	459
3	462	457	458	460	458	452	450	452	456	456	455	453	449	448	449	453	449	446	442	444	446	442	441	448	451
4 Q	465	462	459	458	461	457	450	455	453	452	453	454	456	458	457	453	446	445	437	441	445	450	452	454	453
5	457	459	460	458	457	457	458	460	458	458	455	462	466	462	458	455	453	460	431	431	441	445	464	470	456
6	474	474	468	465	468	457	448	449	452	453	456	457	461	455	445	441	441	440	438	435	435	445	453	456	453
7	458	476	483	474	459	453	455	458	467	452	455	449	444	393	375	358	397	431	444	455	464	471	474	468	446
8	478	488	478	476	473	467	466	453	449	433	387	377	412	444	458	453	489	482	444	458	447	444	453	458	453
9	458	453	453	448	447	449	446	388	307	237	336	331	412	444	442	455	464	460	466	467	467	468	470	469	427
10	466	465	466	467	464	462	459	456	449	455	456	457	454	447	444	444	442	438	433	442	447	445	453	452	453
11	455	453	452	450	457	458	455	449	448	450	453	452	446	433	444	456	452	444	444	446	452	461	465	466	452
12	466	455	453	449	448	448	448	447	444	438	433	432	439	427	415	430	442	440	439	437	433	434	437	438	440
13 D	448	459	477	501	498	309	304	406	387	416	476	480	481	453	415	444	466	456	442	441	433	437	441	446	438
14	446	447	453	453	461	482	483	474	466	448	453	449	446	455	460	458	452	444	432	431	428	431	432	435	451
15 Q	444	440	441	442	442	441	443	444	444	443	442	446	449	450	445	442	439	435	441	439	441	442	441	442	442
16 D	442	444	444	443	438	440	439	440	440	441	433	401	390	330	347	388	397	376	396	431	457	466	484	493	425
17 D	512	528	516	460	445	443	454	445	224	316	397	383	248	253	364	400	412	451	467	463	451	448	453	459	416
18	451	458	454	445	451	451	452	446	439	356	337	436	445	425	440	437	430	434	444	453	458	476	491	476	441
19 D	483	520	508	542	505	505	443	324	299	304	261	401	411	391	405	401	413	418	430	441	456	463	465	490	428
20	525	508	456	441	440	443	446	445	441	445	445	413	380	393	396	415	436	441	440	438	450	455	460	461	442
21	458	455	446	448	453	455	446	443	438	430	334	333	289	354	375	396	411	436	441	441	441	455	465	461	421
22	450	446	443	445	446	455	446	443	426	391	321	353	433	436	446	443	435	418	413	424	430	431	429	443	427
23 D	454	468	516	553	580	538	463	471	428	422	378	390	397	358	413	434	445	452	440	436	437	445	446	465	451
24	456	469	470	457	454	448	443	442	444	444	444	447	445	440	430	412	420	418	429	440	439	441	439	445	442
25	451	457	473	475	486	451	265	382	445	444	445	444	440	444	454	456	452	445	454	444	436	463	506	472	445
26	465	470	467	458	447	445	378	382	445	444	443	440	439	446	447	446	441	438	443	447	451	454	451	451	443
27 Q	491	473	453	445	453	450	445	450	440	441	441	445	455	455	459	453	443	438	430	438	445	459	461	459	451
28 Q	458	455	450	446	445	445	440	438	438	440	443	441	438	441	433	425	416	416	422	423	418	426	438	437	436
29	446	451	443	442	443	444	443	443	440	437	443	444	444	445	447	444	442	430	432	433	440	440	446	445	442
30	445	439	436	433	433	434	432	431	430	429	436	440	432	426	432	437	438	430	430	429	432	436	438	443	434
31	454	452	452	445	446	447	432	451	441	440	430	430	441	443	442	442	432	430	430	427	430	438	439	443	440
Mean	464	470	465	463	462	452	437	437	425	423	421	426	428	425	431	435	439	438	437	441	443	449	455	458	443

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook

July 1949

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 24° E +			Minimum 24° E +			Range	Maximum 58,500 γ +			Minimum 58,500 γ +			Range
	h.	m.	γ	h.	m.	γ		h.	m.	'	h.	m.	'		h.	m.	γ	h.	m.	γ	
1	01	51	858	08	25	741	117	16	22	60.3	22	28	40.6	19.7	03	42	521	08	17	336	185
2 Q	04	58	842	21	05	761	81	04	53	64.6	00	05	42.9	21.7	01	10	498	18	12	431	67
3	01	47	830	21	14	774	56	15	47	62.7	21	50	42.1	20.6	03	50	466	22	13	435	31
4 Q	06	17	829	22	29	787	<u>42</u>	15	15	63.4	21	55	41.1	22.3	01	15	467	18	51	435	32
5	03	06	837	18	40	759	78	14	41	60.2	21	50	40.6	19.6	23	55	475	18	45	425	50
6	01	10	841	19	10	767	74	15	46	62.5	21	09	42.0	20.5	01	04	480	20	30	432	48
7	01	43	874	14	59	744	130	14	35	67.9	20	41	43.3	24.6	02	18	488	15	30	325	163
8	14	53	863	11	06	721	142	16	48	65.4	18	50	35.7	29.7	01	48	496	11	04	315	181
9	08	08	863	08	03	576	287	09	17	<u>97.8</u>	08	06	41.9	<u>55.9</u>	21	20	475	09	17	<u>139</u>	336
10	14	20	842	18	45	766	76	14	20	60.3	21	34	42.1	<u>18.2</u>	00	02	471	18	50	423	48
11	14	36	862	19	08	768	94	14	35	64.5	22	28	42.7	21.8	22	20	473	13	38	426	47
12	16	17	854	20	24	775	79	16	06	65.3	22	10	35.6	29.7	00	10	469	14	33	397	72
13 D	05	06	1059	06	16	577	482	05	44	80.5	08	42	36.0	44.5	04	41	520	05	22	142	<u>378</u>
14	07	31	921	20	23	767	154	16	13	62.6	05	54	40.2	22.4	06	00	503	21	01	419	84
15 Q	12	50	836	19	55	777	59	16	28	62.2	22	07	39.8	22.4	13	45	454	17	25	431	<u>23</u>
16 D	22	40	921	13	35	725	196	15	37	71.4	19	41	36.2	35.2	22	49	498	14	10	295	203
17 D	01	09	912	08	17	528	384	13	33	76.7	07	53	46.3	30.4	01	17	535	08	28	169	366
18	22	22	893	10	18	613	280	15	50	65.3	10	05	<u>29.2</u>	36.1	02	35	511	10	12	265	246
19 D	03	52	948	09	37	<u>402</u>	546	14	08	71.1	09	15	32.0	39.1	03	48	555	08	52	203	352
20	00	48	924	12	40	746	178	15	50	59.9	21	12	41.6	18.3	00	42	558	11	55	371	187
21	22	11	857	12	03	533	324	16	57	64.9	11	45	34.0	30.9	22	10	478	12	06	194	284
22	22	55	868	10	45	749	119	16	49	67.6	20	50	35.2	32.4	05	55	466	10	46	263	203
23 D	04	10	<u>1139</u>	12	49	434	<u>705</u>	14	03	68.4	04	00	36.8	31.6	04	51	<u>613</u>	10	27	333	280
24	01	03	867	19	25	744	123	16	34	64.9	21	42	38.3	26.6	01	18	484	15	20	408	76
25	04	34	896	06	21	690	206	06	29	90.7	22	55	38.8	51.9	22	40	526	06	42	213	313
26	01	41	837	07	00	693	144	14	00	57.6	06	54	32.6	25.0	01	12	477	06	31	299	178
27 Q	00	48	869	17	27	767	102	15	35	64.1	20	55	41.5	22.6	00	24	496	18	12	421	75
28 Q	23	15	851	18	54	767	84	15	52	62.1	22	00	34.5	27.6	23	00	461	18	05	405	56
29	14	25	860	20	15	769	91	15	07	66.1	22	23	39.9	26.2	01	11	456	17	57	420	36
30	16	12	861	20	51	771	90	09	00	57.4	21	11	39.1	18.3	23	55	454	12	42	415	39
31	15	27	859	21	35	772	87	17	29	71.0	22	47	42.0	29.0	06	57	467	06	18	413	54
Mean			883			702	181			67.1			42.1	25.0			493			342	151
No. days			31			31	31			31			31	31			31			31	31

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

Table 29 Meanook

H = 12,000 γ +

August 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	819	823	823	824	819	819	817	822	823	823	819	798	819	820	830	823	800	788	781	775	762	769	769	792	807
2	810	824	824	823	821	812	810	768	673	455	593	642	431	327	448	688	781	819	824	814	807	819	831	857	721
3 D	864	884	948	1008	937	877	664	455	713	484	180	611	786	908	859	833	815	819	821	833	817	848	875	777	
4 D	897	1048	1117	1232	859	659	582	409	788	755	755	786	693	575	571	722	748	722	753	819	897	824	804	839	786
5	864	881	849	850	799	797	806	815	808	793	790	790	779	770	744	773	755	748	779	782	764	752	795	823	796
6	834	813	801	796	797	797	798	796	796	789	781	800	814	804	798	791	785	781	779	766	787	794	796	808	796
7	803	796	788	792	800	802	802	803	804	800	806	815	812	813	778	729	725	779	784	775	790	795	840	845	795
8 D	810	1037	1066	1059	693	511	764	799	775	844	717	746	688	781	805	793	781	788	795	795	803	802	810	805	803
9	796	795	796	792	787	793	793	799	804	789	769	690	743	761	728	740	725	744	789	779	779	804	816	813	776
10	809	810	810	809	831	815	806	762	790	785	787	790	751	770	771	775	775	768	771	771	779	801	798	806	789
11 Q	801	810	806	803	804	799	797	800	789	812	808	803	806	798	785	778	789	778	782	786	789	792	789	774	795
12	789	806	803	806	801	799	799	799	795	803	797	781	820	822	818	817	803	787	770	771	782	787	801	804	798
13	805	810	809	810	813	819	816	820	822	821	824	820	804	807	818	839	816	801	778	766	767	789	782	838	808
14 D	936	927	951	942	869	807	809	773	667	729	432	698	392	560	791	840	807	789	758	770	797	832	901	947	780
15 D	981	862	785	847	916	749	820	811	794	703	634	787	811	822	794	806	784	777	783	777	785	796	841	862	805
16	871	820	800	812	822	801	787	771	768	764	672	764	816	816	816	806	781	778	768	768	778	789	805	812	791
17	814	810	835	828	831	831	811	810	812	817	809	817	820	762	806	812	806	768	745	752	757	777	803	811	802
18	809	803	803	810	813	824	824	795	629	358	691	758	802	795	811	811	789	771	787	798	808	813	810	836	772
19	859	844	828	804	804	813	808	811	810	810	814	798	818	808	806	806	775	774	779	775	780	812	782	806	805
20	850	845	844	828	844	850	776	810	791	796	772	807	817	795	787	798	789	767	767	761	770	774	802	811	802
21	809	813	811	811	806	809	807	809	811	809	800	809	813	809	798	807	790	767	760	767	770	796	814	865	803
22	852	841	825	825	823	823	819	816	810	801	794	807	803	803	798	786	767	749	749	751	758	778	792	815	799
23 Q	820	811	810	810	813	812	820	817	817	813	813	813	817	817	814	804	787	767	757	765	773	788	795	808	803
24 Q	819	814	813	811	809	813	810	811	813	816	816	817	819	823	820	803	781	767	761	763	774	786	799	806	803
25 Q	811	814	817	817	819	819	819	821	819	819	820	822	823	825	821	813	798	782	767	770	774	778	788	803	807
26 Q	809	809	818	820	824	823	823	819	811	817	809	825	825	833	835	827	812	788	769	763	762	782	791	819	809
27	821	805	806	819	823	812	819	765	622	817	816	809	826	812	815	816	800	794	797	786	783	792	797	794	798
28	793	801	818	823	812	812	817	804	804	804	794	812	813	804	777	812	812	802	778	772	768	769	784	798	799
29	803	804	809	816	820	812	775	817	824	816	816	817	817	824	817	803	786	774	781	786	795	809	791	807	805
30	809	818	802	820	847	838	823	803	809	809	812	796	757	751	778	799	803	786	769	761	761	767	778	786	795
31	814	818	805	818	816	818	816	811	818	818	816	816	811	807	800	789	771	756	756	767	770	799	796	799	800
Mean	832	839	839	847	822	799	795	778	781	764	747	782	772	775	782	795	785	777	775	777	784	793	805	821	794

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 Meanook

D = 24° E + ...'

August 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	45.6	47.1	47.9	46.8	46.8	47.7	46.9	50.7	52.1	48.7	47.1	46.8	52.9	55.1	59.2	60.3	57.4	56.1	49.7	48.8	41.3	38.7	41.9	42.9	49.1
2	44.9	45.5	48.4	49.4	51.5	49.7	46.8	49.4	60.7	57.3	69.9	55.7	63.9	63.2	69.7	61.8	61.8	58.9	51.2	49.5	47.2	47.2	49.0	50.4	54.3
3 D	52.4	53.6	57.3	40.5	37.9	41.7	24.2	33.6	44.4	39.3	90.9	52.0	54.4	58.2	66.4	69.4	65.9	61.3	53.0	49.5	45.2	42.4	41.4	41.4	50.7
4 D	38.0	37.3	20.5	32.3	51.7	02.0	15.0	40.2	40.2	43.1	43.1	51.7	51.0	56.3	42.4	53.9	55.1	57.2	59.6	57.5	52.7	41.4	38.1	40.0	42.5
5	45.5	44.8	44.8	50.3	48.1	44.1	41.2	41.2	35.9	35.2	47.7	52.7	57.7	60.6	65.4	65.4	62.8	55.6	42.4	45.3	42.6	40.5	45.7	49.1	48.5
6	46.5	46.2	44.3	43.3	43.1	46.0	43.6	43.8	43.5	44.3	45.5	46.0	53.1	55.1	59.7	59.7	56.3	52.8	49.8	45.1	44.0	42.3	38.5	41.3	47.2
7	45.3	46.8	47.6	46.8	46.4	47.9	48.6	48.1	49.4	49.5	50.9	51.2	54.6	57.6	58.7	59.6	49.5	45.3	41.7	41.2	39.0	41.0	43.6	43.6	48.1
8 D	51.3	54.1	54.1	49.6	47.9	36.9	40.5	41.7	43.6	49.3	46.7	44.1	50.3	48.4	56.1	58.2	56.3	50.1	46.2	45.5	46.5	46.9	47.2	48.9	48.4
9	49.1	49.6	46.7	46.2	46.0	45.5	43.8	46.2	46.0	45.7	53.4	56.1	62.1	63.0	62.3	58.2	52.0	42.1	38.8	35.9	38.5	39.5	44.8	46.9	48.3
10	48.4	48.1	48.4	48.1	51.3	55.8	46.5	58.0	46.5	47.7	46.7	50.3	51.5	56.1	60.1	58.2	55.6	50.8	44.8	41.9	43.3	43.3	43.6	43.3	49.5
11 Q	45.7	46.2	46.5	47.4	46.0	45.7	46.2	46.0	45.3	46.5	46.2	47.9	50.5	51.5	52.5	55.6	54.6	50.8	42.1	39.5	39.8	41.3	42.4	43.7	46.7
12	47.6	48.9	49.4	50.2	49.1	48.9	48.6	51.1	50.2	48.6	49.0	49.5	56.5	58.8	60.2	60.0	59.2	57.5	54.8	51.0	44.7	43.7	45.4	47.6	51.3
13	48.7	49.0	49.0	48.5	48.1	47.5	49.7	47.2	48.0	48.2	47.6	48.4	50.7	60.5	63.5	60.5	58.8	55.4	47.6	45.1	43.4	42.1	41.5	41.2	49.6
14 D	43.6	49.2	38.9	47.8	50.4	48.3	50.8	56.7	64.6	52.1	35.2	50.1	28.7	33.8	66.9	65.7	65.2	59.7	48.1	48.7	47.1	50.1	49.3	47.4	49.9
15 D	43.1	46.3	45.8	47.7	55.8	35.0	55.2	50.5	49.5	51.9	52.4	51.5	54.8	58.6	61.5	60.3	59.8	54.8	51.9	48.9	48.7	48.3	47.7	48.9	51.2
16	49.5	47.5	48.4	48.1	49.3	49.5	49.7	55.1	52.0	46.7	49.0	47.7	54.2	57.6	59.6	60.1	58.4	56.2	50.2	47.3	45.7	44.4	44.3	44.5	50.6
17	46.2	46.3	46.2	47.7	49.8	47.3	47.4	48.5	49.3	48.6	49.3	49.8	57.3	56.9	64.8	67.9	62.6	55.4	48.7	48.5	43.1	41.2	42.3	44.9	50.4
18	47.2	47.7	48.0	49.0	48.7	48.6	51.2	56.9	58.7	34.6	43.5	53.8	53.8	62.2	65.8	63.4	62.6	60.4	46.1	45.6	45.1	45.3	45.2	45.3	51.2
19	47.6	49.8	43.5	46.3	45.7	46.6	47.4	48.2	49.0	49.3	50.1	49.3	55.2	58.9	62.0	63.0	64.0	59.5	51.7	46.6	42.8	39.9	42.8	42.6	50.1
20	40.6	48.7	46.0	44.9	43.1	38.2	41.8	47.4	48.8	51.0	45.5	51.9	56.3	57.4	62.7	62.7	62.6	58.0	54.6	50.3	46.0	41.8	43.1	45.8	49.6
21	47.2	47.4	47.5	46.7	48.6	46.3	46.4	47.1	50.2	51.3	50.8	51.2	54.9	57.9	60.7	58.2	57.6	58.2	47.4	46.5	45.3	43.2	44.9	47.5	50.1
22	50.9	48.0	48.0	49.0	48.7	53.3	48.7	47.8	48.0	46.8	49.9	55.7	54.7	54.9	58.1	59.5	56.9	56.0	48.4	46.0	43.5	43.3	44.9	47.0	50.3
23 Q	48.5	49.1	47.8	47.6	47.4	51.0	57.0	48.8	50.2	50.7	51.5	53.2	55.4	58.2	60.9	61.3	60.1	57.4	49.1	45.2	44.2	44.5	45.8	48.4	51.4
24 Q	49.1	48.8	48.8	47.6	48.6	47.7	47.6	48.4	49.3	50.1	50.5	53.2	55.1	57.7	59.8	60.9	60.7	57.8	51.7	48.8	45.9	45.4	45.1	45.3	51.0
25 Q	46.2	46.7	46.7	47.0	47.4	47.6	48.2	48.6	49.4	50.1	51.0	53.2	54.9	56.8	58.6	60.6	62.7	59.8	50.5	44.5	39.9	38.5	39.2	40.9	49.5
26 Q	44.7	46.8	47.3	47.4	47.1	46.1	46.2	49.5	49.0	47.4	45.8	48.6	51.5	56.7	60.4	62.7	61.7	60.6	51.1	48.1	41.8	41.6	43.0	44.4	49.6
27	46.4	47.8	47.4	50.1	49.3	47.5	47.0	50.4	65.8	53.2	50.5	51.0	54.9	57.2	61.6	61.4	61.9	60.1	50.5	50.6	47.6	46.3	47.2	47.4	52.2
28	47.9	48.5	48.4	52.1	49.1	47.3	48.0	49.0	54.0	50.5	47.4	50.9	52.2	55.1	58.5	61.4	62.7	59.3	55.9	53.2	47.4	43.9	42.8	44.1	51.2
29	48.6	48.5	48.3	48.4	47.6	49.3	45.5	52.4	49.6	49.0	48.4	49.5	53.2	57.7	59.0	61.9	60.9	56.9	50.3	47.1	45.9	45.5	38.9	39.7	50.1
30	44.1	48.7	50.1	49.3	51.3	49.3	46.6	50.2	50.0	49.1	49.1	45.4	48.2	56.8	61.6	63.2	59.6	55.6	49.8	45.5	42.8	44.1	46.3	47.0	50.2
31	49.6	50.4	49.9	47.7	49.9	48.0	48.0	49.4	48.7	50.4	51.1	52.8	54.7	58.0	60.4	64.8	60.0	55.6	50.0	42.7	40.4	42.6	44.6	46.3	50.7
Mean	46.8	47.9	46.8	47.2	48.1	45.4	45.6	48.5	49.7	48.3	50.2	50.7	53.5	56.7	60.6	61.3	59.5	56.0	49.3	46.8	44.2	43.2	43.9	45.1	49.8

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

Table 31 Meanook

$z = 58,500 \gamma +$

August 1949

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	442	440	436	438	441	443	448	443	442	436	435	401	410	425	432	431	430	429	428	428	419	426	435	445	434
2	453	453	452	451	433	440	451	362	339	386	242	346	244	326	336	339	421	443	473	472	474	474	476	486	407
3 D	514	548	485	540	441	406	514	576	588	620	673	586	523	514	509	481	459	456	439	439	443	444	472	494	507
4 D	498	516	301	237	-15	221	409	324	478	451	453	438	409	384	309	446	444	444	469	526	535	493	451	468	404
5	498	506	519	509	468	472	469	456	468	459	454	464	468	459	426	443	448	446	430	453	462	451	463	478	465
6	483	470	463	473	467	463	455	446	450	444	442	374	451	454	460	456	447	450	456	456	458	460	460	453	454
7	447	445	444	443	442	442	442	442	441	442	429	433	437	438	426	419	372	388	409	430	433	443	461	489	435
8 D	540	590	426	326	185	367	509	468	411	451	419	414	409	449	473	466	453	454	461	464	465	458	464	464	441
9	464	460	452	442	441	446	451	452	451	356	342	237	301	311	292	321	339	369	418	436	451	473	472	454	401
10	461	451	463	468	488	459	456	302	371	393	426	433	393	381	378	403	444	434	426	451	454	463	469	478	431
11 Q	469	461	453	453	451	453	443	439	409	430	438	441	443	436	418	414	421	423	424	432	429	451	460	465	440
12	458	465	464	462	453	451	447	443	444	439	405	380	442	447	444	445	444	441	442	453	462	466	462	460	447
13	453	455	457	453	451	454	457	455	444	442	439	430	402	385	380	415	427	423	429	429	440	453	460	485	438
14 D	540	540	588	590	543	481	448	361	306	359	234	286	259	254	371	459	439	428	430	444	474	507	553	581	436
15 D	571	504	456	496	416	346	486	469	439	387	377	429	457	463	437	438	431	429	440	444	462	487	525	548	456
16	506	480	465	471	483	454	412	398	406	399	335	398	450	453	450	447	450	449	450	452	457	464	463	453	444
17	450	444	461	474	492	492	466	443	452	450	443	441	443	393	387	413	430	428	430	439	454	452	453	450	445
18	447	443	442	445	444	450	450	420	370	395	281	286	417	422	441	446	442	447	461	463	465	475	479	500	430
19	512	485	461	465	452	451	450	446	440	439	443	434	436	430	437	437	436	434	417	422	430	443	447	450	446
20	472	461	442	450	478	490	432	447	416	423	384	439	452	439	438	449	453	447	446	450	452	450	447	453	446
21	443	447	449	450	459	450	450	452	453	444	436	431	436	431	420	430	435	439	438	441	443	441	439	444	432
22	442	444	445	445	450	445	439	441	443	441	437	437	439	436	441	441	441	440	443	442	452	455	452	450	443
23 Q	442	444	441	440	441	442	428	430	432	437	439	442	443	440	439	439	441	437	430	436	441	444	443	446	439
24 Q	450	447	441	441	439	432	432	435	438	436	434	437	439	441	436	432	431	427	426	428	429	432	432	435	435
25 Q	428	427	430	432	431	431	432	432	436	434	435	435	436	437	432	430	429	425	417	416	420	428	431	440	430
26 Q	441	439	439	437	437	446	466	456	427	424	404	424	432	439	440	439	439	437	436	437	440	441	445	463	439
27	466	463	452	461	473	456	450	411	304	428	416	401	420	427	420	432	439	444	452	450	453	458	470	465	438
28	454	444	452	473	461	452	450	443	430	420	413	439	443	438	411	428	435	434	431	438	449	450	451	452	442
29	452	441	440	442	450	452	356	398	442	438	439	440	443	441	434	430	434	430	428	439	447	463	468	479	439
30	471	473	457	470	510	499	468	441	444	430	432	406	328	334	357	391	425	441	449	456	459	458	457	453	438
31	452	441	440	442	455	452	450	442	443	435	436	423	443	439	422	429	435	432	432	441	449	463	469	475	443
Mean	475	469	452	452	434	440	449	431	431	431	413	413	418	418	416	429	433	434	437	445	452	456	462	470	440

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook

August 1949

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range γ	Maximum 24° E +		Minimum 24° E +		Range	Maximum 58,500 γ +		Minimum 58,500 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	14 17	837	20 10	750	87	14 55	61.0	21 07	36.0	25.0	23 05	453	12 43	389	64
2	23 45	881	09 35	111	770	12 56	123.2	13 00	-8.1	131.3	14 11	628	10 38	085	543
3 D	04 05	1066	10 54	-67	1133	10 41	148.0	04 25	04.5	143.5	10 40	1092	05 51	337	755
4 D	03 09	1598	05 27	029	1569	03 01	94.7	05 34	-32.3	127.0	01 54	569	05 30	-132	701
5	01 30	915	15 35	699	216	15 19	69.7	09 42	32.8	36.9	02 57	528	14 47	406	122
6	00 25	848	19 56	742	106	14 29	62.8	11 27	32.1	30.7	00 17	485	11 37	316	169
7	23 11	861	16 16	665	196	15 46	61.9	17 50	35.9	26.0	24 00	498	16 36	342	156
8 D	01 39	1119	05 05	-07	1126	05 10	90.4	05 01	-21.2	111.6	05 28	745	05 07	-192	937
9	23 56	822	11 37	643	179	13 11	67.8	19 37	32.3	35.5	21 59	494	11 22	206	288
10	08 18	855	09 05	717	138	14 15	62.8	04 30	38.5	24.3	04 47	540	07 41	242	298
11 Q	09 42	816	08 10	764	52	15 36	58.5	08 06	37.1	21.4	00 00	473	08 20	394	79
12	15 22	828	11 17	743	85	15 10	61.6	11 08	40.7	20.9	01 28	474	11 11	328	146
13	23 40	867	20 42	757	110	15 04	66.8	23 53	39.2	27.6	23 58	494	14 39	371	123
14 D	00 55	982	12 50	094	888	13 12	79.6	12 58	-28.9	108.5	23 08	613	10 31	159	454
15 D	04 47	1095	10 15	545	550	04 15	97.6	05 30	-00.6	98.2	00 56	631	05 06	142	489
16	00 00	884	10 19	592	292	15 34	62.1	09 53	43.2	18.9	00 00	571	10 37	317	254
17	02 41	863	13 43	725	138	15 37	73.9	21 40	40.3	33.6	04 03	510	13 40	358	152
18	23 30	885	09 40	100	785	14 05	72.8	08 45	00.3	72.5	23 25	512	10 15	182	330
19	00 27	882	19 17	760	122	17 05	67.5	21 33	37.3	30.2	01 11	539	13 21	413	126
20	05 07	901	06 21	638	263	15 54	65.7	06 20	15.0	50.7	05 35	562	06 45	317	245
21	23 50	901	17 55	743	158	14 48	63.7	20 42	42.6	21.1	04 28	468	14 36	416	52
22	00 05	879	17 22	739	140	05 38	64.3	20 10	41.5	22.8	21 30	461	17 22	434	27
23 Q	06 57	830	18 15	756	74	06 08	62.6	19 45	42.6	20.0	22 02	455	07 07	417	38
24 Q	14 15	829	18 50	753	76	15 45	62.0	22 09	44.5	17.5	00 46	454	18 05	417	37
25 Q	13 50	830	18 57	764	66	16 20	63.5	22 12	38.1	25.4	23 49	443	19 02	412	31
26 Q	23 49	844	19 50	749	95	15 37	64.1	08 15	40.6	23.5	07 10	473	10 30	382	91
27	04 13	847	08 24	395	452	08 28	87.4	08 15	27.6	59.8	22 34	475	08 58	234	241
28	02 48	833	21 24	761	72	16 37	63.9	21 59	42.1	21.8	03 35	493	09 45	396	97
29	07 52	837	06 49	724	113	14 53	63.9	23 08	36.3	27.6	23 49	490	06 37	246	244
30	04 50	869	12 57	714	155	15 15	65.7	06 34	38.6	27.1	04 25	521	12 57	309	212
31	01 00	838	16 52	743	95	14 40	65.2	20 43	37.7	27.5	23 25	486	11 30	382	104
Mean		908		576	332		73.4		26.0	47.4		536		291	245
No. days		31		31	31		31		31	31		31		31	31

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

Table 33 Meanook

H = 12,000 γ +

September 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	827	787	797	806	806	807	818	783	712	787	779	770	729	807	826	815	806	734	776	807	810	812	783	764	790	
2 D	804	822	842	1001	1055	904	553	777	839	822	804	790	791	814	771	706	727	714	694	732	744	757	827	835	797	
3 D	924	1063	1081	1000	935	882	887	132	729	781	629	695	677	732	769	753	729	760	761	810	795	820	776	790	788	
4	795	838	835	822	808	803	788	767	739	636	717	749	790	804	799	777	771	766	766	768	796	787	809	831	782	
5	814	827	829	811	801	803	813	804	807	803	785	744	775	823	815	789	744	744	763	771	782	799	805	810	794	
6	814	800	806	810	813	826	807	807	783	665	613	524	775	795	815	799	771	759	754	768	778	792	804	807	770	
7	808	810	809	806	814	810	810	813	776	810	819	803	754	774	793	786	762	766	764	764	782	804	808	820	794	
8	814	797	804	810	814	817	816	773	812	824	764	812	830	828	822	814	792	769	754	748	761	784	801	804	798	
9	848	837	810	804	800	796	799	801	807	806	810	814	818	820	818	807	785	758	766	762	771	785	792	799	801	
10 Q	805	805	806	807	808	811	813	813	813	816	817	820	821	822	825	819	800	781	761	761	778	793	812	813	805	
11	822	813	796	813	834	833	789	801	783	769	724	822	790	796	805	811	804	783	777	783	783	793	811	808	798	
12 D	820	836	850	898	864	861	750	659	260	478	371	316	239	239	605	751	779	790	787	789	781	806	835	840	675	
13	852	851	903	846	815	819	819	680	610	822	821	808	804	795	797	780	789	789	782	776	774	786	810	812	798	
14	783	799	800	810	818	814	820	818	820	814	791	746	579	290	625	793	806	782	760	766	774	795	808	805	759	
15	829	798	808	818	812	818	816	821	820	820	822	820	808	818	812	812	771	766	766	782	790	789	790	804	804	
16	812	801	828	829	834	824	812	814	812	816	816	812	816	811	808	797	779	780	783	787	797	797	801	808	807	
17	805	806	810	811	812	818	814	820	821	818	818	819	818	817	809	802	795	782	788	793	809	813	824	829	810	
18	828	825	828	828	828	830	830	830	828	828	823	825	821	825	817	808	792	781	780	783	795	803	803	807	814	
19 Q	807	808	811	811	814	815	816	817	819	819	819	820	817	815	811	806	793	782	786	785	788	794	807	811	807	
20 Q	811	810	811	815	815	814	817	818	818	819	821	821	823	820	817	810	796	785	784	789	798	800	807	808	809	
21 Q	809	810	817	815	817	817	817	819	819	820	821	820	822	824	822	812	795	782	780	784	793	806	813	826	811	
22	820	817	819	817	821	823	823	824	817	800	776	811	824	819	817	804	800	789	782	776	786	798	804	806	807	
23 Q	808	812	814	811	811	814	816	816	804	824	826	828	832	832	829	818	799	787	785	787	791	795	803	803	810	
24	801	810	814	811	808	811	816	815	818	829	824	824	822	825	814	815	811	797	781	774	791	791	808	868	812	
25 D	858	941	975	890	822	829	808	802	793	628	458	453	554	688	711	749	696	719	746	798	804	824	813	785	756	
26	801	848	907	838	823	865	824	715	515	635	766	741	707	751	797	832	818	804	789	785	796	815	791	826	783	
27 D	818	831	809	805	830	832	746	492	533	758	778	752	604	692	823	843	823	804	808	799	797	806	805	801	766	
28	822	845	816	815	815	848	816	609	780	822	821	811	822	819	812	803	799	792	799	799	800	797	790	794	802	
29	806	801	801	810	814	815	816	818	821	807	820	820	824	818	815	810	799	792	789	792	797	801	800	796	808	
30	796	801	805	804	804	828	672	603	816	791	725	738	791	797	806	794	791	783	788	790	787	782	814	811	780	
31																										
Mean	819	828	835	832	829	826	798	749	757	776	759	758	756	760	794	797	784	774	773	780	788	797	805	811	791	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 34 Meanook

D = 24° E + ...'

September 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	45.4	46.8	47.3	47.8	47.2	48.2	46.4	62.7	65.7	54.9	52.2	53.0	54.8	61.9	60.6	59.0	58.3	56.7	41.6	44.3	43.4	46.7	45.1	46.0	51.5
2 D	47.9	48.6	49.3	42.8	26.5	48.7	49.0	56.0	49.7	50.2	50.0	51.2	54.1	62.5	64.7	58.2	50.2	49.0	44.1	43.6	41.0	40.7	44.4	45.1	48.6
3 D	45.6	40.1	38.4	44.4	46.2	24.7	43.9	36.5	65.1	52.0	55.5	53.0	62.5	64.0	60.7	56.8	55.4	48.8	48.4	49.1	48.5	49.3	49.4	48.2	49.4
4	48.1	46.0	61.6	60.4	50.8	42.9	43.0	39.2	46.3	46.1	53.7	50.9	50.9	56.3	58.1	57.3	53.9	51.4	48.1	46.4	47.8	44.1	46.7	46.8	49.9
5	47.6	48.6	46.8	48.9	47.1	48.4	53.8	47.7	47.8	49.5	47.9	44.1	52.3	59.4	58.6	64.9	55.4	49.9	45.2	43.4	44.4	45.7	46.5	47.7	49.6
6	48.0	48.1	45.1	45.7	46.3	47.6	58.4	46.2	50.6	51.1	54.3	46.6	55.3	60.3	63.4	65.2	64.9	56.4	49.1	47.0	45.4	45.1	45.9	47.3	51.4
7	48.8	48.8	48.7	50.6	49.2	46.9	46.7	47.2	51.5	52.9	53.5	53.0	51.5	58.0	59.3	57.7	53.7	49.3	46.1	42.7	40.3	42.3	44.7	47.2	49.6
8	47.9	48.1	48.3	48.5	49.4	47.9	51.5	56.4	54.3	51.4	53.7	59.9	56.6	56.7	62.2	63.4	62.1	57.9	56.7	48.6	41.8	41.9	43.6	42.4	52.1
9	44.6	42.2	46.1	47.8	47.1	48.5	47.8	47.6	48.0	48.5	48.9	49.0	50.9	53.3	58.4	61.8	62.9	60.0	49.7	47.6	45.0	45.4	45.7	46.2	49.7
10 Q	46.8	46.6	46.4	46.8	47.3	47.4	47.7	47.8	48.5	48.2	48.9	49.7	50.1	52.8	57.2	58.1	59.1	56.3	51.6	47.8	44.2	41.5	40.4	41.3	48.9
11	42.0	42.3	46.3	48.9	46.6	47.7	53.7	51.6	53.9	56.2	59.0	50.7	45.6	51.6	56.7	61.2	58.9	56.0	48.4	46.8	41.8	41.5	44.9	46.6	50.0
12 D	47.4	43.1	44.5	44.8	45.3	42.4	39.3	51.1	50.4	44.8	57.3	68.4	60.4	67.2	71.5	54.0	54.7	46.1	48.1	43.1	41.9	43.3	44.4	45.7	50.0
13	46.9	47.1	55.4	60.6	47.1	49.1	46.1	40.8	44.7	52.6	49.6	50.5	51.7	56.5	58.3	59.9	59.7	56.2	52.2	48.2	44.7	42.7	42.0	42.7	50.2
14	47.7	47.1	47.0	46.7	44.9	47.1	45.5	44.9	50.0	48.1	51.8	54.5	47.9	58.6	69.7	64.6	60.8	56.7	52.3	46.7	44.1	42.4	42.5	44.4	50.2
15	41.4	44.5	44.6	43.2	45.7	46.7	47.5	48.5	49.3	51.3	51.1	52.5	53.4	58.3	58.3	63.0	54.0	46.5	48.1	46.5	45.2	45.1	45.1	49.0	
16	43.6	45.9	43.6	47.1	46.2	47.9	47.3	47.5	47.5	49.0	50.4	51.2	52.1	52.5	54.7	55.4	54.2	50.4	46.1	44.3	44.3	44.1	45.2	46.1	48.2
17	46.4	45.5	46.2	46.7	47.3	47.6	47.8	49.2	49.7	51.0	51.1	50.7	53.2	55.3	57.5	58.8	56.6	54.8	49.8	48.7	42.6	41.2	41.4	42.1	49.2
18	44.9	45.2	44.2	44.9	45.4	45.6	46.8	47.1	47.8	49.2	48.5	49.7	51.6	54.8	56.9	58.4	55.7	55.8	50.6	47.7	45.6	45.5	46.4	46.4	48.9
19 Q	45.5	45.1	45.4	45.8	45.9	46.1	46.7	47.1	48.1	49.4	50.4	51.1	52.0	54.2	55.0	56.1	55.2	51.2	47.2	45.4	43.5	43.6	45.4	45.0	48.4
20 Q	44.3	44.1	44.8	45.4	46.1	46.3	46.9	47.1	47.7	48.6	49.2	49.9	51.2	53.2	55.5	57.7	57.0	53.6	47.1	44.4	43.5	43.9	45.0	45.6	48.3
21 Q	44.7	44.2	44.7	45.3	46.1	46.3	46.4	47.0	47.8	48.7	49.2	50.0	51.4	52.9	54.4	55.1	54.3	49.4	45.1	42.4	41.7	41.6	42.4	42.9	47.2
22	43.9	44.5	44.8	46.5	49.3	44.6	46.0	46.7	50.8	55.6	57.4	57.3	52.8	52.2	55.0	56.0	55.2	54.7	51.3	46.9	43.5	43.9	44.4	45.8	49.5
23 Q	46.1	46.1	46.4	46.6	45.4	45.9	45.9	46.7	44.9	48.8	51.4	50.6	51.5	53.6	55.1	57.8	58.8	55.2	50.5	45.9	44.0	43.3	44.2	46.6	48.8
24	46.4	45.4	45.4	45.9	46.1	45.0	45.9	47.3	46.9	49.3	49.1	49.1	49.3	50.9	54.4	58.2	59.1	56.9	52.5	49.3	47.3	44.9	42.3	38.5	48.6
25 D	39.6	36.2	43.9	48.9	49.1	49.7	49.8	49.7	48.6	54.2	67.4	70.0	75.7	63.7	59.1	51.6	51.1	47.9	43.4	48.7	43.3	41.6	42.2	41.9	50.7
26	45.7	43.7	48.6	44.1	45.9	45.7	49.1	46.5	36.0	60.0	55.1	51.5	50.0	51.5	57.3	59.7	58.6	55.0	52.7	48.8	46.2	45.4	44.2	42.5	49.3
27 D	43.0	45.6	45.9	46.8	50.4	48.4	47.3	64.0	64.0	53.0	52.4	54.5	65.0	49.9	56.8	60.6	56.8	52.7	49.7	46.6	44.6	44.3	44.3	45.2	51.3
28	42.7	43.7	46.7	44.8	45.1	47.2	31.3	17.4	50.4	51.4	50.6	51.2	50.4	50.7	52.4	53.3	54.1	53.3	48.8	48.3	47.3	47.8	47.0	46.2	46.8
29	44.5	45.4	45.6	43.9	44.1	44.1	43.8	45.4	45.5	49.6	51.6	53.0	53.0	53.2	53.5	54.2	54.2	52.9	48.4	45.0	44.8	45.2	45.7	46.2	48.0
30	45.6	45.1	44.9	44.8	45.9	47.1	29.1	23.8	47.4	49.4	50.6	50.3	54.5	52.5	51.5	51.8	48.4	47.1	40.2	42.3	40.5	41.8	42.9	44.5	45.1
31																									
Mean	45.4	45.1	46.6	47.2	46.2	46.4	46.3	46.5	50.0	50.8	52.4	52.5	53.7	55.5	58.2	58.2	56.7	53.2	48.5	46.3	44.1	43.9	44.5	45.3	49.3

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

Table 35 Meanook

$Z = 58,500 \gamma +$

September 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	478	453	449	449	449	448	442	365	334	399	399	389	362	410	440	440	437	435	435	462	454	469	480	454	430	
2 D	448	463	495	491	478	305	179	413	469	451	437	424	436	448	408	361	369	392	427	460	483	483	481	502	429	
3 D	543	575	567	473	275	272	392	257	386	416	460	413	372	397	427	433	436	440	442	461	458	481	468	472	430	
4	469	491	481	458	452	408	413	343	338	343	378	414	453	452	448	438	438	443	458	463	476	468	465	473	436	
5	483	495	494	480	458	449	435	386	419	420	414	379	406	439	438	431	414	419	442	448	460	468	465	466	442	
6	469	465	466	465	458	460	431	429	405	315	327	316	402	420	430	442	448	451	462	455	461	464	468	464	432	
7	451	449	448	450	448	445	449	438	351	419	452	448	386	380	397	408	414	411	427	448	460	478	484	484	434	
8	487	468	451	454	457	472	462	374	426	443	388	402	445	445	440	440	439	438	440	448	453	462	471	479	445	
9	505	512	488	468	456	449	440	440	439	438	440	442	449	450	451	449	448	441	449	448	451	453	458	452	455	
10 Q	445	440	440	439	440	439	439	438	438	439	438	438	441	438	440	444	438	435	438	445	451	460	466	472	443	
11	484	496	497	481	508	494	325	397	406	383	339	426	397	401	424	435	451	460	469	470	474	480	489	501	445	
12 D	507	538	566	580	535	489	401	442	430	467	467	478	435	311	293	401	435	438	474	487	503	509	508	510	467	
13	518	516	546	483	492	493	477	361	297	448	460	458	457	455	457	448	445	444	451	460	463	468	478	487	461	
14	468	462	452	451	457	465	481	479	449	442	398	361	311	249	226	403	458	458	464	467	463	463	464	460	427	
15	466	454	449	451	451	452	453	452	451	449	449	446	438	438	440	457	451	451	448	449	451	454	454	461	451	
16	466	463	469	481	495	459	428	438	435	443	447	443	450	448	444	441	442	443	448	453	461	461	456	450	453	
17	448	445	444	443	443	445	445	447	451	450	447	440	441	441	442	439	439	440	450	459	445	446	448	448	445	
18	445	441	438	431	427	430	425	427	425	430	433	425	425	423	440	443	444	445	444	447	449	452	450	449	437	
19 Q	448	448	447	445	442	443	442	442	441	441	439	440	441	440	439	439	440	441	439	441	443	447	448	449	443	
20 Q	447	444	443	442	443	442	442	441	440	440	441	440	442	443	444	447	444	439	439	443	449	448	447	445	443	
21 Q	444	440	445	444	442	441	441	442	445	443	440	439	443	442	444	447	443	439	447	449	450	451	450	448	444	
22	443	442	444	447	448	447	450	452	433	404	370	402	452	445	437	423	423	432	434	432	441	448	450	449	435	
23 Q	448	447	450	455	450	443	442	448	420	437	440	439	444	443	444	443	439	436	439	443	444	448	450	450	443	
24	448	444	448	449	450	449	459	448	397	447	442	440	437	430	423	428	434	435	434	437	442	452	482	541	446	
25 D	520	552	511	480	482	457	432	435	435	310	229	153	191	246	304	358	407	414	463	504	525	508	515	491	414	
26	461	509	549	547	497	491	466	396	261	330	412	420	396	385	398	459	466	466	469	471	471	482	491	497	450	
27 D	496	515	492	477	495	493	442	124	277	401	428	394	396	418	441	442	440	440	452	459	463	463	462	464	432	
28	477	506	501	477	480	471	439	360	401	450	461	459	460	457	457	457	459	460	459	454	450	450	452	452	456	
29	461	461	459	461	464	461	463	462	459	450	455	449	450	449	448	447	448	443	441	448	448	450	448	444	453	
30	450	447	450	453	459	473	396	241	437	445	388	372	402	412	441	432	447	448	464	472	495	477	471	468	435	
31																										
Mean	471	476	476	467	458	446	428	401	406	420	417	413	415	415	420	432	438	439	448	456	461	465	467	469	442	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook

September 1949

Day	Horizontal Intensity					Declination					Vertical Intensity										
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range	Maximum 24° E +		Minimum 24° E +		Range	Maximum 58,500 γ +		Minimum 58,500 γ +		Range						
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ			
1	00	47	856	12	25	638	218	08	42	72.7	18	15	34.6	38.1	00	54	494	08	25	260	234
2 D	03	55	1102	06	55	359	743	05	41	106.8	06	30	03.5	103.3	03	04	539	06	11	127	412
3 D	01	52	1149	07	39	-281	1430	08	23	110.7	07	37	04.6	106.1	02	32	681	07	20	-24	705
4	02	15	856	09	24	557	299	02	15	67.5	05	43	32.1	35.4	02	05	534	07	17	283	251
5	01	26	840	11	03	717	123	06	43	67.4	07	21	36.4	31.0	01	34	516	07	22	334	182
6	05	51	850	11	17	334	516	06	28	69.5	11	11	27.0	42.5	22	22	472	11	07	160	312
7	10	08	838	12	20	737	101	14	30	60.4	19	57	38.0	22.4	22	35	493	08	10	302	191
8	11	37	847	10	47	683	164	15	04	67.3	20	08	38.4	28.9	00	32	492	10	53	303	189
9	01	12	870	17	55	736	134	16	33	64.5	01	27	35.5	29.0	01	30	530	08	25	434	96
10 Q	14	08	829	19	40	755	74	15	22	61.4	23	08	38.8	22.6	24	00	483	17	57	429	54
11	06	05	875	10	11	664	211	10	20	70.4	20	10	39.1	31.3	04	47	526	06	34	216	310
12 D	06	10	938	13	15	-68	1006	12	01	162.4	10	09	01.6	160.8	11	06	785	14	07	138	647
13	02	32	962	09	03	357	605	13	15	73.1	08	04	07.0	66.1	02	31	598	07	56	180	418
14	08	20	850	13	02	220	630	13	33	86.1	13	05	03.9	82.2	06	38	495	13	07	138	357
15	00	27	849	16	50	740	109	16	15	69.2	00	25	37.9	31.3	23	28	472	14	05	427	45
16	03	52	854	18	07	748	106	15	37	57.6	06	20	41.4	16.2	03	50	516	06	32	374	142
17	23	05	853	17	20	764	89	15	07	58.9	23	11	39.3	19.6	23	07	461	08	05	428	33
18	02	22	841	17	24	774	67	15	02	59.3	00	05	40.9	18.4	00	03	455	11	37	418	37
19 Q	11	00	821	17	10	776	45	16	25	56.8	20	17	43.2	13.6	23	05	450	17	10	436	14
20 Q	13	48	824	18	25	776	48	16	00	58.6	20	38	42.8	15.8	21	50	452	18	07	437	15
21 Q	23	04	835	18	22	772	63	15	29	56.7	21	28	40.5	16.2	21	24	453	17	32	437	16
22	11	50	832	10	47	740	92	10	32	64.4	20	19	42.5	21.9	07	36	459	11	18	356	103
23 Q	09	28	837	08	41	762	75	16	41	60.1	08	35	37.7	22.4	09	28	469	08	49	363	106
24	23	38	917	19	32	759	158	17	32	62.8	23	39	30.1	32.7	23	55	560	08	15	355	205
25 D	02	00	1021	10	17	353	668	11	01	86.4	01	38	30.5	55.9	01	32	583	10	58	108	475
26	02	37	997	08	57	353	644	09	18	68.6	08	42	21.7	46.9	02	35	576	08	18	207	369
27 D	04	57	896	07	15	362	534	08	23	102.8	07	12	-1.6	104.4	01	35	556	07	53	-93	649
28	05	45	933	07	16	442	491	05	47	60.6	07	08	-40.2	100.8	01	46	578	07	10	202	376
29	08	43	857	09	27	777	80	14	37	57.3	08	15	38.9	18.4	08	35	488	09	14	420	68
30	08	22	933	06	50	380	553	07	10	81.8	07	22	-43.4	125.2	20	43	521	07	20	-54	575
31																					
Mean			892			556	336			73.4			24.8	48.6			490			270	220
No. days			30			30	30			30			30	30			30			30	30

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

Table 37 Meanook

H = 12,000 γ +

October 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	806	801	808	817	817	823	819	835	736	812	805	788	796	802	811	810	798	784	785	794	802	811	804	803	803
2	805	808	816	803	809	811	802	752	808	816	816	816	814	810	805	798	788	780	782	794	799	804	805	802	802
3 Q	797	802	808	808	809	810	814	815	815	817	805	810	805	808	818	811	801	793	793	793	801	807	794	804	806
4	804	803	830	824	819	820	840	810	783	831	822	725	654	612	781	814	804	790	769	782	789	813	809	815	789
5	818	869	822	840	888	809	558	707	715	724	724	720	807	802	795	778	769	793	795	793	791	802	811	808	781
6	801	806	801	808	808	811	820	791	677	632	769	695	559	667	829	757	717	769	776	779	783	794	796	822	761
7 D	839	844	884	916	843	985	819	784	554	509	550	328	381	414	288	415	417	554	708	773	957	959	955	1021	696
8 D	1005	1035	939	931	842	800	823	802	783	750	690	749	705	520	381	604	674	732	748	750	780	788	777	799	767
9	831	931	1070	992	862	818	814	754	793	801	796	793	785	771	730	726	772	782	765	731	753	769	780	784	808
10	789	789	793	789	789	791	793	796	791	793	685	678	811	803	793	764	773	743	756	751	760	766	781	799	774
11	812	813	838	820	807	806	800	797	803	790	786	802	748	743	697	683	767	792	771	755	753	781	783	783	780
12	795	816	805	812	802	799	813	812	791	781	783	800	800	797	814	809	791	777	754	753	760	777	792	799	793
13	795	799	805	805	805	812	810	816	815	818	817	816	814	816	812	780	742	770	768	766	780	788	809	815	799
14 D	816	830	855	892	968	893	911	812	513	661	413	617	446	373	391	266	235	653	670	798	981	1047	1039	947	709
15 D	845	968	1047	964	962	806	564	752	231	-98	-09	106	153	346	424	697	668	524	757	999	994	1001	1092	615	
16 D	1194	1163	1097	768	879	584	291	428	335	313	377	488	584	675	630	718	712	741	774	770	781	823	809	800	697
17	818	802	796	795	811	810	785	725	660	747	806	782	799	803	799	781	758	728	721	739	767	773	781	792	774
18 Q	791	794	797	803	796	796	788	775	758	657	668	751	719	708	717	773	766	777	770	774	774	785	787	794	763
19	798	800	802	804	808	807	807	800	695	479	288	278	269	524	745	772	728	760	777	779	790	790	797	815	696
20	805	801	811	811	810	810	803	796	797	803	805	805	737	700	793	805	808	794	754	743	754	785	813	813	790
21	797	798	803	821	821	817	833	820	799	783	764	662	703	758	808	825	797	769	779	773	779	786	796	798	787
22	797	795	800	807	804	804	805	812	790	765	760	746	804	829	827	818	801	783	772	766	783	805	858	813	798
23	820	814	804	793	793	785	791	786	777	765	656	536	703	818	837	818	784	776	734	714	741	799	781	785	767
24	796	734	976	1029	979	855	773	691	659	778	745	755	797	807	807	801	783	772	777	778	784	783	797	798	802
25 Q	803	799	800	806	807	810	812	812	807	742	744	759	806	814	806	804	797	783	770	772	776	783	789	798	792
26 Q	803	800	806	810	810	807	807	804	798	809	803	793	814	816	816	807	793	779	773	759	772	789	793	800	798
27	806	813	812	812	838	864	837	828	825	827	832	830	816	774	747	755	762	716	676	755	847	888	868	999	814
28	1068	991	1069	1152	992	899	855	826	555	547	755	573	703	664	660	767	789	764	776	777	776	781	814	808	807
29	812	814	804	812	825	851	849	839	801	772	673	656	585	697	793	811	807	786	773	772	789	786	793	798	779
30 Q	799	801	808	808	806	812	829	773	778	800	801	776	750	787	800	815	804	791	773	769	772	783	793	796	793
31	801	821	853	823	804	803	803	800	709	764	820	815	808	806	806	804	795	789	775	773	779	783	790	797	797
Mean	834	840	857	848	839	816	783	779	715	703	695	681	692	706	725	739	746	758	753	767	798	814	819	829	772

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Meanook

D = 24° E + ...'

October 1949

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	42.1	48.1	45.7	44.3	47.4	53.7	49.2	42.2	43.4	48.9	49.7	46.5	49.8	51.3	53.2	53.3	53.9	52.8	48.1	43.6	43.9	44.3	45.0	45.7	47.8
2	45.5	45.5	44.5	49.8	48.4	45.4	42.8	50.1	49.8	50.8	49.4	49.0	48.9	49.4	50.8	51.5	51.3	49.9	46.0	44.1	42.7	43.8	44.5	45.5	47.5
3 Q	45.4	45.0	45.6	45.8	45.8	45.8	45.6	46.6	47.6	48.3	47.6	49.2	47.3	48.1	51.7	55.0	56.2	52.7	47.8	44.0	43.7	44.2	45.2	45.3	47.5
4	44.4	43.8	40.8	40.9	43.4	45.7	45.1	44.9	55.3	48.3	50.0	41.4	38.4	44.6	66.4	60.9	61.1	54.6	45.7	38.7	38.7	43.0	45.4	45.4	47.0
5	43.7	44.9	44.7	45.4	44.7	47.3	47.8	48.1	56.7	55.5	54.1	56.7	53.8	53.8	51.9	50.7	46.4	45.9	43.5	43.5	44.4	47.0	48.2	48.3	48.6
6	47.7	47.1	47.2	47.3	46.7	48.8	54.9	51.0	55.1	48.2	55.7	61.0	51.2	72.0	60.9	54.7	43.0	42.7	43.3	45.7	46.1	43.2	44.2	43.9	50.1
7 D	43.5	46.8	41.4	46.4	37.0	38.2	36.5	26.7	42.3	48.8	48.3	75.2	60.3	70.4	53.1	55.0	39.9	45.4	50.0	53.1	62.9	49.3	44.4	44.3	48.3
8 D	50.1	42.4	39.5	39.4	42.9	44.8	44.1	42.2	46.2	49.2	54.0	52.7	60.2	43.4	40.3	59.1	56.8	47.0	46.7	42.6	42.8	45.4	47.0	47.1	46.9
9	46.9	44.4	44.8	51.3	49.8	49.6	53.4	49.5	49.1	49.4	48.8	48.5	48.2	52.1	58.3	58.6	62.2	60.5	55.5	50.1	45.9	43.5	44.7	46.6	50.5
10	47.4	46.9	48.2	48.2	48.6	48.6	49.3	48.8	49.3	51.2	45.7	53.1	56.5	54.1	57.4	58.9	61.8	54.8	53.2	48.2	46.4	44.9	43.9	42.6	50.4
11	41.4	43.4	46.6	42.4	45.6	46.9	50.7	55.5	47.5	46.9	45.4	46.3	52.1	48.8	46.7	54.9	55.2	55.5	53.3	49.4	46.9	42.6	38.4	39.0	47.6
12	39.5	37.2	43.4	44.0	45.1	45.1	46.5	46.4	47.6	52.0	53.3	50.4	46.7	47.2	54.0	57.7	59.3	57.6	53.0	48.3	44.6	42.3	41.9	43.3	47.8
13	43.5	43.8	44.9	45.1	44.7	45.4	47.1	49.7	46.4	46.8	47.3	48.1	49.3	51.1	55.7	60.1	52.0	45.1	45.7	44.1	44.7	40.8	39.9	39.6	46.5
14 D	40.1	35.7	35.9	41.5	44.6	43.3	45.2	34.0	37.8	54.6	108.6	93.5	121.1	55.8	49.8	68.0	64.7	39.7	54.6	63.2	68.0	63.0	57.5	42.2	56.8
15 D	47.4	59.6	54.8	32.5	40.2	28.0	-2.3	44.8	-5.7	04.2	59.4	93.0	88.2	87.7	75.0	54.6	43.1	52.2	54.6	58.0	76.2	57.0	64.7	70.2	51.6
16 D	54.7	60.0	51.1	36.9	43.4	25.9	04.3	19.9	24.5	76.3	21.1	29.5	61.9	58.8	52.6	59.5	52.1	48.7	53.0	48.4	47.3	48.6	45.8	43.8	44.5
17	49.5	44.7	48.2	45.8	47.7	45.3	46.5	41.1	46.7	46.9	48.7	51.3	50.5	51.2	52.9	56.9	57.7	52.8	39.6	39.2	42.1	44.2	46.7	47.2	47.6
18 Q	47.1	47.9	47.7	46.8	47.5	47.1	47.7	53.1	51.6	52.8	66.6	59.1	54.3	47.5	44.5	50.8	51.2	48.2	46.8	45.8	45.4	45.4	46.6	47.8	49.6
19	47.3	46.4	44.7	46.1	46.0	46.4	47.1	47.9	65.2	57.5	65.8	58.6	76.6	59.6	55.6	49.6	47.8	45.4	40.6	38.4	42.2	44.6	47.1	47.3	50.6
20	47.8	47.1	46.2	46.4	45.6	45.6	48.6	47.5	47.8	46.4	47.0	47.1	44.9	45.3	52.4	49.4	47.3	48.0	47.8	43.0	38.2	40.3	44.8	43.8	46.1
21	46.4	48.4	48.1	46.6	47.3	49.6	45.3	45.2	46.6	52.8	57.8	49.6	47.5	54.9	58.4	53.7	46.8	46.8	47.3	47.3	47.8	48.0	48.0	48.1	49.1
22	46.9	44.7	46.1	46.8	46.7	46.5	47.9	55.2	52.9	53.2	54.9	53.9	53.7	56.1	57.4	58.8	59.0	53.7	50.1	49.6	49.1	47.4	43.6	40.0	50.6
23	35.9	40.9	39.8	48.6	48.7	48.9	47.7	48.2	48.3	49.8	49.7	61.4	63.0	49.9	51.6	54.4	49.3	52.9	53.3	43.9	42.0	44.8	45.8	44.2	48.5
24	44.9	43.5	46.2	52.3	49.1	50.0	58.6	56.9	59.2	51.2	48.4	47.5	47.6	48.6	51.5	55.2	57.3	58.1	53.7	53.4	50.7	49.6	47.4	46.7	51.2
25 Q	45.7	45.4	47.1	46.9	47.1	47.6	49.0	49.5	46.5	39.4	44.5	45.4	48.8	48.9	50.5	52.5	53.6	52.5	48.6	46.9	44.8	44.5	44.9	45.0	47.3
26 Q	45.0	45.5	47.2	47.6	47.0	46.9	46.8	49.3	48.7	48.0	46.4	42.6	47.2	49.2	50.0	51.8	52.6	53.7	49.9	45.8	43.7	43.1	43.3	43.7	47.3
27	44.8	46.4	46.3	46.1	53.1	53.1	45.5	44.6	45.4	46.4	47.5	49.2	48.1	48.0	54.5	57.4	60.0	58.4	42.9	44.8	50.5	46.4	42.6	49.6	48.8
28	56.7	50.0	42.8	41.6	07.5	60.5	48.5	46.4	27.2	53.1	51.9	50.5	62.3	65.2	59.6	57.2	55.1	50.7	46.2	43.7	44.8	43.8	43.0	44.0	48.0
29	43.2	38.6	45.1	47.8	46.9	44.6	42.0	48.8	50.4	59.2	56.1	60.4	65.2	55.4	54.1	55.2	56.5	51.9	47.1	46.1	44.9	44.5	44.6	45.4	49.8
30 Q	47.2	47.6	47.6	47.4	47.6	50.3	62.1	47.8	49.2	48.1	49.8	50.6	48.7	52.9	54.3	56.2	55.6	54.2	48.9	46.8	45.9	45.4	44.4	43.3	49.7
31	42.2	42.5	46.5	44.4	48.0	47.8	47.8	48.4	42.6	50.2	49.5	48.6	49.2	49.8	51.9	54.3	55.2	51.9	48.5	46.1	45.8	45.9	46.3	47.1	47.9
Mean	45.6	45.6	45.4	45.2	45.0	46.2	44.9	46.1	45.8	49.5	52.4	53.9	56.2	53.9	54.1	55.7	54.0	51.1	48.6	46.6	47.2	45.8	45.8	45.7	48.8

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

Table 39 Meanook

$z = 58,500 \gamma +$

October 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	479	478	465	460	470	448	446	419	368	414	425	427	427	438	447	453	452	451	447	449	447	448	449	449	444
2	450	448	452	470	477	463	433	363	414	438	446	444	444	446	449	452	458	462	460	462	461	464	461	460	449
3 Q	460	455	450	447	451	451	452	449	448	447	421	417	414	422	440	449	444	440	439	446	449	454	458	460	444
4	460	458	478	493	479	472	481	422	341	444	447	350	271	206	341	435	447	450	464	472	469	486	486	496	431
5	502	569	511	521	533	437	235	232	345	334	354	319	419	437	446	427	419	442	454	460	468	470	472	463	428
6	460	463	460	460	462	452	419	409	370	300	373	359	271	283	404	380	381	422	447	460	479	481	481	501	416
7 D	520	506	533	435	373	435	330	488	535	605	596	543	355	178	262	443	352	459	557	576	584	549	543	490	469
8 D	380	413	526	492	515	507	517	440	503	493	442	470	379	212	206	305	470	487	494	514	527	524	505	501	451
9	514	564	524	579	563	501	474	463	481	486	478	477	465	470	454	431	446	460	468	472	480	483	478	473	487
10	468	471	471	473	469	471	471	474	476	478	401	341	459	463	466	462	458	456	460	468	470	472	474	477	460
11	479	494	516	501	490	481	476	479	474	453	447	446	392	394	347	357	424	464	478	476	479	493	493	485	459
12	490	504	494	486	470	472	472	468	440	391	397	450	462	460	476	476	470	467	462	463	467	468	470	470	464
13	466	463	462	462	463	469	472	447	441	462	461	460	460	462	462	460	427	417	438	450	461	451	460	466	456
14 D	468	500	559	571	550	528	492	417	460	487	441	132	382	521	209	424	474	496	519	548	524	495	427	493	463
15 D	514	523	379	450	523	357	513	512	195	095	642	580	610	591	796	630	508	542	546	578	557	554	548	357	504
16 D	427	516	427	404	404	371	548	472	322	350	563	435	300	378	429	478	503	494	521	516	522	526	514	528	456
17	545	523	527	533	540	525	504	448	381	396	486	455	467	481	489	493	491	491	501	499	500	502	502	493	490
18 Q	491	500	495	491	491	492	480	467	466	331	340	349	352	345	438	449	452	464	480	485	493	499	502	502	452
19	495	491	491	491	492	494	500	494	324	329	147	096	331	169	367	416	460	479	502	510	513	513	508	526	422
20	530	523	521	515	518	515	500	502	491	492	493	492	370	453	489	495	492	486	496	508	521	523	534	546	500
21	523	503	493	509	532	505	518	518	488	452	408	376	370	379	424	484	467	462	478	489	499	500	502	502	474
22	496	501	496	489	480	479	482	450	431	403	408	418	446	480	489	486	480	481	478	487	493	523	527	529	476
23	547	564	542	508	495	491	489	481	440	452	362	199	340	457	491	489	482	473	506	513	548	548	515	507	477
24	513	547	574	578	584	543	423	362	354	470	466	470	499	500	505	504	500	490	500	502	502	499	504	498	495
25 Q	498	500	502	504	493	491	491	484	478	405	402	431	448	473	486	480	479	479	478	481	481	482	484	484	476
26 Q	486	486	485	484	482	482	478	469	457	452	461	458	461	473	479	480	478	477	476	479	473	481	486	480	475
27	478	480	484	486	496	514	507	478	469	467	467	466	462	442	409	403	426	427	440	489	534	534	529	480	474
28	418	400	288	316	353	232	428	520	435	435	482	437	405	430	448	455	463	465	471	480	482	491	500	502	431
29	502	520	507	494	504	516	500	502	480	457	410	316	437	488	485	504	492	489	487	486	493	502	507	493	482
30 Q	486	480	479	484	481	482	428	373	392	434	451	439	445	446	453	465	465	464	471	478	484	492	491	492	461
31	500	536	558	540	502	480	474	476	418	418	477	481	474	473	480	480	480	478	477	475	480	482	486	485	484
Mean	485	496	485	488	488	470	466	451	423	422	445	408	413	415	438	456	459	468	480	489	495	496	493	487	463

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook

October 1949

Day	Horizontal Intensity						Declination					Vertical Intensity									
	Maximum			Minimum			Maximum			Minimum		Range		Maximum			Minimum		Range		
	12,000 γ +			12,000 γ +			24° E +			24° E +		Range	58,500 γ +			58,500 γ +		Range			
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ
1	00	06	846	08	19	710	136	05	39	57.3	07	50	38.2	19.2	01	15	500	08	42	337	163
2	09	05	828	07	18	714	114	04	02	62.0	06	55	33.9	28.1	03	52	500	07	43	311	189
3 Q	11	07	825	10	45	785	<u>40</u>	16	34	57.3	20	47	42.9	<u>14.4</u>	00	12	465	10	47	384	81
4	02	07	864	13	32	453	411	14	02	73.6	13	09	14.4	59.2	03	08	510	13	28	137	373
5	04	50	940	06	30	407	533	06	32	86.0	07	19	20.2	65.8	01	34	611	07	08	002	609
6	14	22	857	12	38	377	480	13	16	89.7	12	37	18.3	71.4	23	35	516	12	54	147	369
7 D	23	55	1110	11	53	-78	1188	13	42	132.8	04	07	18.9	151.7	11	43	736	13	45	005	731
8 D	01	12	1123	14	17	252	871	15	13	72.0	14	43	17.0	55.0	04	33	569	14	04	114	455
9	02	50	1165	15	11	698	467	16	55	63.7	02	26	28.9	34.8	01	48	632	14	12	419	213
10	12	17	838	10	55	516	322	16	43	67.0	10	37	31.0	36.0	09	45	496	10	48	259	237
11	02	57	867	15	07	619	248	16	05	68.2	23	58	32.4	35.8	02	53	544	14	20	304	240
12	12	47	830	19	32	738	92	16	30	60.4	01	39	35.1	25.3	01	32	516	10	07	366	150
13	23	54	861	20	17	715	146	20	18	65.2	23	50	32.9	32.3	06	18	483	17	30	388	95
14 D	21	13	1112	16	24	-76	1188	10	59	<u>205.8</u>	07	56	25.1	<u>230.9</u>	12	49	813	11	13	<u>-172</u>	985
15 D	24	00	1192	10	50	<u>-457</u>	<u>1649</u>	13	35	<u>149.4</u>	06	10	61.8	211.2	10	54	<u>1032</u>	09	15	<u>-150</u>	<u>1182</u>
16 D	00	54	<u>1428</u>	05	48	005	1423	05	39	<u>127.9</u>	05	50	<u>64.1</u>	192.0	10	40	875	05	44	-47	922
17	00	33	843	08	55	530	313	08	30	70.6	08	12	28.5	42.1	00	24	570	09	03	271	299
18 Q	05	22	819	10	23	523	296	10	43	84.9	14	14	35.5	49.4	23	32	504	09	34	273	231
19	08	14	839	12	08	-48	887	12	09	173.8	12	51	17.2	191.0	12	50	681	12	03	028	653
20	22	10	828	12	59	606	222	15	05	58.1	20	51	34.0	24.1	23	42	556	13	05	301	255
21	06	35	859	11	24	564	295	14	26	61.5	12	40	37.7	23.8	04	12	548	13	05	340	208
22	22	04	907	11	37	675	232	07	08	64.5	23	49	38.0	26.5	22	07	588	09	43	376	212
23	14	06	853	11	18	450	403	12	13	81.4	00	28	34.2	47.2	21	17	583	11	11	139	444
24	03	07	1108	07	54	566	542	06	53	75.2	02	23	25.4	49.8	02	30	630	08	08	266	364
25 Q	13	05	822	09	28	698	124	17	00	55.4	09	28	33.1	22.3	03	40	516	09	34	348	168
26 Q	12	55	821	19	13	744	77	17	19	55.7	11	34	40.4	15.3	21	41	496	09	02	432	<u>64</u>
27	23	17	1073	18	33	637	436	16	13	66.8	22	23	33.2	33.6	22	24	573	15	12	378	195
28	02	56	1251	08	05	362	889	05	41	101.5	04	22	41.0	142.5	08	18	562	05	53	123	439
29	06	58	890	12	40	441	449	12	00	77.2	08	48	31.9	45.3	07	58	534	11	55	295	239
30 Q	06	50	868	12	30	693	175	06	20	73.3	07	56	35.4	37.9	00	00	499	07	50	312	187
31	02	44	909	08	39	568	341	16	22	56.7	08	18	29.0	27.7	02	42	615	08	34	308	307
Mean			947			464	483			83.7			17.8	65.9			589			226	363
No. days			31			31	31			31			31	31			31			31	31

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

Table 41 Meanook

H = 12,000 γ +

November 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	804	804	805	808	809	809	805	809	780	760	656	690	478	287	474	679	602	576	712	799	788	814	789	774	713
2 D	780	794	792	792	789	785	641	652	590	423	463	445	450	507	507	745	825	783	747	712	751	803	824	1008	692
3	1150	899	815	835	829	869	857	806	785	777	792	793	799	794	794	790	780	770	776	774	782	785	788	798	818
4	788	793	793	794	799	792	799	786	658	733	782	781	780	800	816	810	787	774	775	769	775	785	794	801	782
5	806	798	800	810	809	820	821	697	611	656	675	757	770	781	756	773	774	774	760	764	769	803	762	795	765
6	822	832	828	855	819	810	807	809	811	770	796	824	823	813	800	807	807	789	778	777	784	789	800	807	807
7 Q	806	808	811	816	814	812	813	812	813	813	808	815	820	817	816	811	799	788	777	770	778	785	788	797	804
8 Q	806	811	816	819	816	817	820	817	816	816	817	819	818	816	810	803	795	784	780	775	780	785	799	806	806
9	816	820	821	820	822	825	836	940	972	900	836	838	836	827	827	826	816	805	800	797	795	799	802	804	832
10	814	818	822	822	822	823	820	780	574	739	782	806	820	824	820	818	811	806	795	785	791	778	780	808	794
11	820	813	834	898	735	732	777	820	690	622	582	779	795	820	812	783	746	757	782	775	783	787	798	806	773
12	808	808	808	815	812	813	808	798	765	540	761	743	786	790	761	798	801	748	743	741	790	796	795	858	779
13	846	882	871	899	844	808	804	773	773	780	798	799	777	698	782	790	774	780	771	764	767	780	787	798	798
14	805	809	805	812	812	815	809	805	745	580	675	666	758	757	768	770	784	793	788	785	788	777	777	801	770
15	811	812	816	816	812	813	815	817	780	767	773	805	822	823	827	813	762	745	770	774	779	780	791	816	797
16	835	950	995	905	918	899	875	849	820	777	790	814	807	808	808	805	801	784	788	789	792	791	798	800	833
17 Q	805	803	807	814	814	815	814	815	819	819	821	821	820	820	819	818	812	804	798	792	798	804	813	819	812
18	819	827	826	823	822	827	830	827	826	830	825	807	822	844	843	843	827	812	798	801	805	807	819	821	822
19 D	823	819	818	819	822	820	831	834	822	810	774	751	787	806	782	692	708	695	668	680	777	801	843	891	786
20 D	980	1090	1130	1087	992	860	646	188	268	373	428	674	758	642	266	625	785	745	735	757	784	809	810	826	719
21	853	857	829	814	807	814	820	810	767	762	794	803	804	797	760	728	728	779	769	730	781	787	797	804	791
22	804	810	808	802	798	798	797	795	795	797	798	802	802	800	789	777	777	772	773	770	775	786	797	799	793
23	804	808	814	814	811	832	820	814	812	811	808	812	814	814	812	818	797	790	781	773	771	775	786	802	804
24	818	830	833	853	876	846	829	814	801	781	742	781	804	803	811	811	804	790	789	789	790	790	794	804	808
25 Q	811	814	815	816	814	812	811	810	804	799	817	801	803	808	820	815	811	807	783	775	776	783	794	806	804
26 Q	812	815	818	818	819	820	818	816	804	810	806	803	811	822	825	820	814	804	795	788	791	808	811	814	811
27	812	811	807	811	811	806	808	662	695	725	756	732	737	812	801	806	777	789	797	795	790	789	795	809	781
28	811	808	814	818	818	819	832	807	804	809	811	819	820	820	818	818	817	802	793	787	788	794	803	815	810
29	816	892	948	873	837	837	621	660	751	764	580	599	723	783	803	726	715	717	746	736	745	798	823	851	764
30 D	853	839	832	832	836	804	610	499	543	621	583	388	173	333	388	643	699	797	798	776	783	824	816	811	670
31																									
Mean	831	836	838	837	825	818	793	764	743	732	738	752	754	756	750	779	778	772	772	770	782	793	799	818	785

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 42 Meanook

D = 24° E + ...'

November 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1 D	46.6	47.1	47.1	46.9	46.9	47.1	50.4	64.0	49.2	47.7	50.2	53.2	61.7	89.3	35.3	50.0	64.0	55.9	46.1	47.1	39.8	47.1	47.3	48.3	51.2		
2 D	48.6	49.8	50.0	50.3	48.6	49.8	63.2	53.2	48.6	47.4	71.9	69.0	51.7	64.7	61.1	52.0	54.6	52.2	49.0	42.6	43.1	45.2	45.2	50.1	52.6		
3	42.4	45.6	51.1	45.8	50.5	50.6	45.6	45.3	46.3	47.5	48.8	49.0	50.0	49.9	51.1	54.3	54.4	53.1	48.5	46.3	46.2	46.3	46.7	45.9	48.4		
4	47.2	47.7	48.0	50.3	49.1	44.0	47.4	45.4	40.1	48.5	49.9	52.2	50.9	53.8	56.8	56.3	56.2	52.9	47.4	45.4	45.3	46.2	47.1	47.1	49.0		
5	46.3	47.0	48.7	48.1	45.9		63.2	59.2	45.5	43.6	56.5	50.7	51.3	58.7	57.2	52.3	59.1	58.4	54.0	48.7	46.1	42.6	42.6	40.7	41.2	50.3	
6	41.0	40.9	44.9	46.6	48.7	48.5	47.8	48.4	50.6	47.8	54.0	51.8	53.4	56.4	54.0	54.5	57.1	57.2	52.6	49.5	47.4	46.8	46.9	46.8	49.7		
7 Q	45.7	46.8	46.5	45.9	46.7	47.2	47.5	48.4	48.4	48.7	49.9	51.0	52.5	52.5	54.6	56.5	57.3	55.4	50.8	47.0	45.3	45.6	46.9	45.8	49.3		
8 Q	45.4	45.8	46.9	47.5	47.8	48.2	46.8	47.4	48.0	48.5	49.6	50.1	50.2	50.5	51.8	55.2	55.5	53.3	48.9	47.4	46.1	46.0	45.5	45.4	48.7		
9	45.6	46.1	47.1	47.2	48.0	47.6	47.5	41.6	39.9	45.3	48.9	51.1	51.8	52.0	53.0	54.4	55.5	54.9	50.9	49.7	45.0	44.9	45.1	45.4	48.3		
10	46.0	46.3	46.9	47.1	47.9	47.1	48.5	42.7	47.6	57.3	56.1	53.9	51.7	52.1	50.8	54.4	59.7	55.3	52.2	48.5	47.6	46.3	42.9	42.5	49.6		
11	41.7	49.1	48.1	42.2	49.1	55.0	50.6	50.5	46.7	44.8	52.0	54.0	50.3	52.8	53.8	55.9	57.5	54.0	48.2	46.1	45.1	47.1	47.0	47.9	49.6		
12	47.7	49.1	49.3	49.5	49.3	48.2	58.8	57.3	49.3	39.0	49.8	51.2	50.5	54.5	49.5	52.7	58.0	53.2	43.8	49.1	44.2	44.7	42.9	44.5	49.4		
13	43.6	33.9	43.9	43.4	51.8	50.9	50.4	46.4	50.3	50.7	48.7	49.7	54.8	46.0	45.6	48.2	49.1	49.6	50.5	50.9	48.4	46.7	46.4	46.8	47.8		
14	47.6	47.9	48.6	48.8	50.4	46.8	48.3	50.7	56.1	62.0	54.7	51.4	47.1	49.3	54.4	54.0	53.4	55.0	52.6	49.4	48.0	44.2	44.3	45.4	50.5		
15	45.9	46.7	48.5	49.6	49.2	48.8	50.2	49.5	49.7	49.4	47.7	51.2	51.9	54.1	53.6	56.4	50.7	39.3	42.0	47.3	47.7	46.7	44.6	41.8	48.4		
16	42.8	45.2	43.6	47.0	49.3	46.9	49.7	45.9	52.3	50.8	50.9	50.8	51.7	51.6	52.1	53.8	55.1	54.3	51.9	51.4	49.0	49.8	48.5	47.6	49.7		
17 Q	48.1	48.8	49.1	49.3	49.7	49.3	48.9	48.5	48.8	48.9	49.4	50.0	50.2	50.8	51.7	52.3	53.7	53.1	51.0	49.3	48.8	48.1	46.4	46.8	49.6		
18	47.2	47.4	47.5	48.7	49.5	48.4	48.3	48.0	52.9	54.9	54.1	56.8	57.8	56.7	57.5	58.2	56.3	54.1	48.8	47.9	47.5	47.2	46.8	47.7	51.3		
19 D	46.2	48.6	48.4	48.7	49.5	49.8	48.6	51.9	49.8	52.6	60.8	66.8	66.3	63.9	62.7	59.4	59.7	54.7	64.8	47.9	47.9	52.3	53.4	51.3	54.4		
20 D	52.5	47.7	36.6	43.9	47.6	35.8	21.7	43.3	46.2	43.1	55.8	50.3	57.7	65.4	43.1	46.7	59.4	58.6	52.0	48.2	49.6	50.0	49.4	48.6	48.0		
21	51.0	50.0	48.4	50.6	50.8	49.9	51.4	50.5	46.3	47.4	47.5	51.4	54.1	54.6	57.7	56.5	53.8	50.7	57.0	55.6	39.8	44.0	48.0	49.3	50.7		
22	50.6	51.6	52.3	52.2	51.8	51.1	50.9	50.6	50.0	50.2	51.1	51.9	52.6	52.7	53.7	55.0	53.9	52.5	48.0	45.9	45.1	46.2	47.3	49.1	50.7		
23	50.5	52.4	50.5	51.0	50.3	53.4	42.8	48.1	48.7	49.1	49.5	51.0	51.5	52.3	53.2	56.3	57.0	53.0	51.5	51.0	46.7	42.8	44.5	44.3	50.1		
24	43.9	41.7	43.6	47.0	49.1	50.9	50.5	49.4	50.0	52.1	51.3	55.8	59.6	58.5	58.0	58.2	56.9	53.5	51.3	50.0	49.5	49.4	49.2	49.0	51.2		
25 Q	49.4	50.4	50.6	51.0	50.6	50.6	51.8	53.5	56.0	56.5	52.6	53.8	54.0	55.1	56.0	56.5	56.2	54.2	53.1	50.6	48.5	49.2	49.0	48.8	52.4		
26 Q	49.4	49.6	50.2	50.5	50.8	50.9	50.2	50.4	50.0	51.0	51.3	51.8	52.9	53.9	56.0	56.9	58.4	57.7	52.9	51.0	48.9	46.6	48.9	47.9	51.6		
27	47.9	50.5	48.5	51.1	51.4	51.2	55.1	39.4	44.4	64.8	57.0	51.6	48.6	51.3	52.2	56.6	51.4	46.4	50.3	49.1	49.9	48.5	48.2	46.4	50.5		
28	46.6	47.7	50.3	50.5	50.2	49.3	52.2	47.4	46.9	50.1	49.7	51.8	52.2	52.6	53.2	53.8	55.3	56.3	54.1	52.7	51.2	50.3	49.1	47.1	50.9		
29	48.3	58.2	47.6	46.7	51.7	52.5	53.7	51.7	54.0	53.5	43.8	62.6	66.6	55.2	57.6	52.0	46.5	43.9	47.0	47.0	45.1	45.0	45.5	44.6	50.8		
30 D	45.6	48.7	50.3	51.9	54.9	52.7	31.5	35.8	48.3	61.7	38.7	74.7	65.6	53.6	43.3	50.2	37.0	55.3	52.4	47.4	51.4	48.3	48.3	46.9	49.8		
31																											
Mean	46.7	47.6	47.8	48.3	49.6	49.5	49.0	48.4	48.6	50.9	51.5	54.0	54.3	55.4	52.9	54.5	55.1	53.1	50.6	48.6	46.7	46.8	46.7	46.7	50.1		

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

Table 43 Meanook

$z = 58,500 \gamma +$

November 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	479	484	490	479	473	470	468	447	436	412	409	424	349	283	183	320	423	469	542	570	539	527	517	521	446	
2 D	511	502	494	497	491	397	359	436	494	619	507	514	327	265	357	369	470	469	485	504	508	512	518	545	465	
3	518	563	534	514	432	483	514	500	481	470	474	475	477	474	470	474	477	479	483	487	491	504	501	500	491	
4	488	487	487	488	477	453	467	456	320	396	431	422	423	435	456	466	472	480	479	477	479	480	480	479	458	
5	480	488	489	480	488	488	438	409	406	385	331	393	404	408	416	438	456	467	479	479	481	499	484	492	449	
6	495	522	505	490	487	473	468	473	479	429	434	477	477	462	464	474	475	475	476	478	479	478	476	472	476	
7 Q	469	468	470	476	475	474	476	475	469	468	454	456	465	468	469	470	474	473	473	472	474	476	475	474	471	
8 Q	470	469	470	468	467	466	467	468	469	466	465	465	463	461	466	469	470	466	468	469	473	472	468	467	468	
9	468	468	468	469	469	475	484	485	498	544	493	470	468	463	458	459	460	457	463	468	466	468	468	465	473	
10	463	462	463	461	462	464	463	415	273	312	398	441	461	468	466	479	466	466	465	468	470	469	478	490	447	
11	534	531	526	476	404	383	417	490	456	344	350	458	472	479	483	447	462	499	485	475	481	485	490	487	463	
12	479	476	477	476	479	478	458	447	402	303	390	431	441	436	427	438	461	457	460	491	533	517	513	539	459	
13	509	553	549	550	544	494	485	447	458	440	441	446	431	404	415	420	441	467	468	470	473	475	475	476	472	
14	477	476	474	477	502	483	468	463	390	307	351	411	440	433	412	424	429	466	477	477	485	483	477	481	448	
15	486	488	488	478	480	479	475	478	434	415	393	424	460	458	465	459	442	438	456	480	491	499	500	520	466	
16	532	541	565	567	525	508	487	491	482	446	433	476	475	471	473	475	473	471	475	476	479	478	473	471	489	
17 Q	468	467	467	466	466	465	464	465	467	465	463	461	462	461	465	468	469	469	473	476	476	469	467	466	467	
18	464	464	466	467	467	471	476	474	457	459	474	452	444	460	467	460	459	457	462	465	463	462	457	457	463	
19 D	462	465	466	472	476	477	472	473	457	451	411	338	360	394	400	319	266	305	403	446	489	513	530	540	433	
20 D	552	606	606	561	524	383	433	303	411	444	424	424	329	262	387	460	467	491	503	487	507	505	514	459		
21	554	538	521	507	498	502	499	471	424	416	456	476	478	465	441	432	424	448	484	502	504	491	478	479	479	
22	482	483	480	476	475	477	478	475	473	471	471	471	467	468	467	469	467	465	472	480	485	485	480	482	475	
23	486	483	477	475	474	453	422	467	467	468	467	468	465	465	464	464	465	462	465	483	494	496	500	503	472	
24	514	526	539	567	569	530	511	492	482	467	416	417	457	453	465	467	464	465	473	474	476	476	475	474	485	
25 Q	473	471	467	467	467	467	466	459	430	431	457	450	446	460	465	463	464	465	469	469	471	469	471	469	462	
26 Q	469	467	465	465	464	463	464	465	446	449	448	434	435	450	462	463	460	458	465	465	464	463	462	465	459	
27	469	478	490	491	498	487	478	316	363	370	379	385	392	449	423	435	435	448	457	468	475	476	474	478	442	
28	478	476	477	474	473	475	465	425	426	449	455	467	465	461	457	462	462	463	467	467	465	464	465	467	463	
29	478	583	576	561	508	473	387	357	400	403	321	257	257	338	379	373	375	400	457	494	505	505	493	531	434	
30 D	552	513	496	514	502	467	406	329	314	311	497	428	316	309	323	389	356	457	478	473	500	511	508	503	435	
31																										
Mean	492	500	498	497	484	469	460	445	432	427	430	437	430	428	427	438	446	458	472	480	485	487	485	490	462	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook

November 1949

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range γ	Maximum 24° E +			Minimum 24° E +			Range γ	Maximum 58,500 γ +		Minimum 58,500 γ +		Range γ		
	h.	m.	γ	h.	m.	γ		h.	m.	'	h.	m.	'		h.	m.	γ	h.		m.	γ
1 D	07	25	848	13	32	135	713	13	28	134.2	14	03	-0.2	134.4	19	05	588	13	40	143	445
2 D	23	55	1196	09	47	366	830	12	43	97.8	12	14	15.2	82.6	09	29	694	12	44	185	509
3	00	12	1249	18	55	761	488	04	30	57.9	00	10	31.1	26.8	02	16	581	04	47	411	170
4	14	11	830	08	35	526	304	14	20	59.0	08	28	32.8	26.2	03	55	499	08	39	259	240
5	07	10	870	08	06	372	498	05	59	82.5	08	33	16.5	66.0	23	53	509	07	47	179	330
6	01	28	860	09	43	743	117	17	10	62.7	01	30	36.7	26.0	01	30	552	09	44	383	169
7 Q	12	30	826	19	12	763	63	16	07	58.3	20	50	44.0	14.3	06	12	489	11	42	447	42
8 Q	03	32	824	19	18	774	50	16	25	57.1	23	38	44.7	12.4	20	57	475	13	05	458	17
9	08	53	1040	19	53	786	254	16	13	56.9	07	18	33.4	23.5	09	13	570	14	18	452	118
10	13	48	850	08	14	436	414	08	38	73.4	08	12	31.3	42.1	23	02	512	08	03	134	378
11	03	08	996	10	13	425	571	04	42	105.2	03	52	24.9	130.1	04	01	587	09	58	139	448
12	23	48	942	09	39	369	573	09	55	74.5	09	07	26.3	48.2	23	48	598	09	40	154	444
13	03	15	1039	13	14	640	399	12	12	59.1	03	34	19.7	39.4	04	01	639	13	13	354	285
14	07	47	844	09	17	517	327	09	33	68.1	21	57	42.5	25.6	04	07	515	09	58	287	228
15	23	48	845	08	46	730	115	15	29	58.7	17	48	37.4	21.3	23	50	542	10	37	377	165
16	01	30	1160	09	53	732	428	01	24	66.1	02	04	14.0	52.1	01	30	615	09	52	390	225
17 Q	10	40	826	20	20	784	42	16	50	54.4	23	14	46.0	08.4	18	44	478	13	04	458	20
18	14	18	872	11	46	787	85	14	18	67.3	23	52	40.6	26.7	13	33	497	12	45	417	80
19 D	24	00	992	19	26	618	374	12	29	73.3	20	07	37.5	35.8	23	56	568	16	57	253	315
20 D	02	29	1179	07	30	-136	1315	07	14	134.3	07	35	-13.3	147.6	02	00	651	07	27	-18	669
21	00	54	896	15	55	681	215	19	38	73.0	20	58	36.4	36.6	00	48	589	08	50	387	202
22	00	57	814	19	38	759	55	15	12	57.9	21	16	43.3	14.6	21	37	494	17	27	462	32
23	00	54	877	20	22	761	116	05	34	61.5	16	04	38.7	22.8	23	58	513	05	59	371	142
24	04	42	899	10	38	700	199	15	43	60.4	01	46	38.6	21.8	04	12	602	11	06	376	226
25 Q	10	30	828	19	50	762	66	08	57	62.1	20	37	47.0	15.1	20	31	478	08	43	406	72
26 Q	14	50	828	20	15	783	45	17	30	60.4	21	33	44.3	16.1	00	05	472	11	18	419	53
27	13	08	845	07	56	418	427	09	42	70.6	07	53	14.0	56.6	04	18	503	07	57	164	339
28	06	36	874	07	55	778	96	06	26	58.8	23	30	43.2	15.6	06	04	487	07	56	397	90
29	23	59	881	10	47	379	502	12	27	76.5	06	27	12.8	63.7	01	17	651	11	10	152	499
30 D	00	10	899	13	38	-105	1004	12	07	114.8	07	11	-41.0	155.8	11	54	680	13	30	-50	730
31																					
Mean			924			568	356			73.2			26.3	46.9			554			298	256
No. days			30			30	30			30			30	30			30			30	30

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

Table 45 Meanook

H = 12,000 γ +

December 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	815	819	819	822	814	747	794	743	533	769	821	814	809	807	806	803	801	794	788	784	784	788	794	801	786	
2	808	811	815	815	815	812	774	784	804	803	766	806	815	811	811	805	799	793	788	784	784	791	796	801	800	
3	809	811	815	817	818	818	816	817	818	816	820	819	804	699	778	818	814	800	797	796	800	798	804	812	805	
4 D	820	822	811	820	832	825	821	841	848	824	818	805	789	804	830	825	818	800	798	776	755	764	804	805	811	
5	810	816	824	826	830	825	842	835	820	811	783	821	818	815	812	811	799	787	793	794	798	793	798	814	811	
6	825	825	828	828	824	820	820	818	804	804	799	820	818	817	815	814	816	809	800	800	798	800	806	812	813	
7 Q	820	823	820	818	826	829	824	822	816	814	815	818	819	818	818	818	812	806	797	797	799	800	807	812	814	
8	819	824	826	825	826	824	823	817	817	820	824	823	823	820	820	818	817	811	803	803	807	806	810	813	817	
9 D	813	819	820	821	861	875	835	681	651	657	817	736	755	756	803	813	813	811	811	802	805	810	805	796	790	
10	801	812	810	810	809	810	785	763	808	806	800	802	812	816	818	816	810	804	805	804	797	802	805	809	805	
11 Q	809	816	817	817	817	816	818	818	816	814	816	819	818	817	823	823	819	809	802	801	802	802	805	815	814	
12 Q	817	818	820	820	821	818	815	818	818	819	818	819	824	826	833	833	823	815	807	809	808	809	810	817	818	
13 Q	818	816	811	811	814	815	815	817	823	829	823	826	827	826	826	826	824	815	811	804	807	807	809	817	817	
14 D	824	825	825	832	833	832	855	837	833	825	818	770	775	780	794	808	823	817	801	809	817	815	817	814	816	
15	820	829	831	840	852	835	825	823	811	811	778	811	824	822	821	821	818	815	811	808	807	809	815	823	819	
16	833	827	834	838	836	833	829	822	819	817	815	818	820	822	822	821	814	813	818	808	807	811	818	818	821	
17	822	823	818	817	817	820	824	822	817	818	818	818	823	823	823	821	815	810	809	811	808	805	809	815	817	
18 Q	824	825	829	830	830	827	822	823	825	823	824	825	821	825	830	829	825	818	817	816	820	820	825	824	824	
19	828	831	832	831	831	827	831	823	820	827	829	829	831	827	831	827	825	825	820	816	814	816	819	816	825	
20	804	812	821	820	816	822	830	793	758	740	828	826	822	821	821	820	814	812	800	800	794	798	794	804	807	
21	815	810	814	810	822	818	815	810	808	818	819	807	832	834	831	823	816	814	819	817	817	821	824	825	818	
22	824	814	809	818	828	821	821	819	820	822	823	822	822	824	821	820	816	812	804	804	807	808	814	817	817	
23	820	818	821	825	825	824	823	824	820	823	830	829	823	807	835	841	824	813	820	810	810	816	817	817	821	
24	819	814	847	821	822	817	810	784	671	740	819	826	822	822	821	819	813	793	791	793	800	807	814	817	804	
25	820	824	813	816	822	817	815	803	808	806	810	796	798	788	808	810	820	816	812	813	814	814	814	814	811	
26	809	814	820	817	820	810	814	803	785	805	822	821	824	825	828	826	817	808	802	800	804	810	810	814	813	
27	817	824	824	825	825	826	826	826	827	828	828	828	829	827	829	830	825	822	820	811	815	818	821	822	824	
28	820	816	820	827	823	823	819	817	815	813	802	799	827	830	826	824	816	803	785	792	791	803	816	799	813	
29	820	840	841	844	839	831	823	820	820	818	813	819	823	819	820	816	807	805	803	807	808	807	808	808	820	
30 D	815	824	831	832	832	831	831	831	831	828	827	827	828	829	828	825	823	809	790	785	776	778	807	785	820	816
31 D	834	834	846	834	824	832	834	882	677	697	801	828	834	834	819	813	801	805	813	783	758	809	816	813	809	
Mean	818	821	823	823	826	822	820	811	792	801	814	814	816	813	819	820	815	808	798	801	800	805	809	813	813	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46 Meanook

D = 24° E + ...'

December 1949

Hour U. T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1	50.5	52.3	52.2	50.8	52.3	45.6	53.2	58.0	62.5	51.1	50.5	51.6	52.2	52.4	52.7	54.7	54.2	53.7	51.9	51.5	49.9	49.3	49.2	49.5	52.2		
2	50.4	50.8	50.9	50.7	50.9	50.7	59.2	50.5	52.1	53.2	51.1	56.8	54.1	53.9	53.7	55.1	55.3	53.8	51.9	50.9	49.8	49.2	48.9	48.7	52.2		
3	48.3	48.7	49.3	50.5	50.9	50.7	50.5	50.3	50.0	50.3	51.1	51.9	53.6	56.6	57.0	59.7	58.2	52.4	49.5	49.2	47.4	47.1	46.8	48.2	51.2		
4 D	45.1	46.8	48.5	51.3	51.4	51.2	50.3	50.9	58.0	52.7	51.4	55.3	53.2	52.6	52.2	56.1	58.2	54.6	56.8	52.7	41.8	42.2	44.1	48.0	51.1		
5	49.8	50.5	50.7	50.7	52.0	54.4	51.6	49.1	50.2	51.9	53.6	52.4	52.6	53.4	54.1	55.0	53.2	50.9	52.4	51.1	50.0	49.0	47.6	48.2	51.4		
6	46.9	54.0	48.3	50.9	50.0	49.5	50.5	47.4	49.8	52.3	52.6	50.6	51.6	52.7	53.7	54.7	55.8	54.8	52.2	52.9	50.3	49.5	48.3	49.9	51.2		
7 Q	49.6	48.3	49.1	49.9	49.4	50.1	51.3	50.6	50.8	51.1	51.3	51.5	51.3	51.7	51.3	52.4	54.0	55.0	56.0	54.2	53.3	49.7	47.3	47.6	48.2	49.1	51.0
8	49.2	49.4	49.4	49.8	50.4	50.4	50.2	50.4	51.1	51.5	51.3	51.7	51.3	52.4	54.0	55.0	56.0	54.2	53.3	49.7	47.3	47.6	48.2	49.1	51.0		
9 D	49.5	50.1	49.2	48.0	59.9	52.5	55.1	64.3	66.7	53.6	57.0	54.6	54.1	52.7	54.6	56.8	57.0	55.1	48.3	47.9	49.0	49.3	50.0	49.5	53.5		
10	50.5	50.6	52.1	53.6	52.6	52.1	50.6	49.1	52.1	51.0	51.3	51.1	50.9	52.3	54.0	54.8	55.0	50.8	49.2	49.9	48.8	47.9	48.2	49.7	51.2		
11 Q	50.1	50.2	50.5	51.0	50.8	50.2	52.1	50.8	51.1	50.2	50.4	50.9	50.8	51.9	53.1	54.6	54.9	53.1	50.9	50.0	48.4	47.4	48.0	48.7	50.8		
12 Q	49.4	50.0	50.4	51.0	51.0	50.5	50.3	50.3	49.1	49.2	49.1	50.5	51.8	52.3	53.2	53.8	55.9	54.4	51.0	50.3	48.4	48.0	48.9	48.9	50.8		
13 Q	47.2	47.9	48.3	50.6	51.3	52.3	52.3	55.2	51.6	50.6	49.9	49.8	49.8	50.8	51.8	52.0	54.3	55.6	53.7	52.7	50.8	49.2	47.5	46.9	50.9		
14 D	46.1	46.3	45.8	47.4	51.9	52.1	57.6	70.8	50.7	52.1	52.2	53.5	55.7	58.8	58.7	56.3	56.5	54.6	53.1	50.7	48.5	47.3	47.5	46.9	52.5		
15	45.9	42.1	42.6	47.4	50.5	50.8	50.7	50.7	50.9	53.1	50.3	51.4	50.0	52.7	55.9	53.4	55.9	55.1	54.8	52.2	49.3	47.6	46.7	45.5	50.2		
16	44.5	45.0	43.3	49.4	50.7	50.5	48.9	47.7	49.8	50.5	50.1	50.3	50.3	50.3	50.6	51.8	53.4	52.5	51.3	51.3	50.0	48.4	48.7	49.1	49.5		
17	48.4	47.0	48.2	48.0	48.1	51.1	48.2	49.6	49.2	49.6	49.9	49.6	49.4	50.1	50.4	51.3	52.9	52.8	49.0	49.1	47.3	47.0	46.6	46.3	49.1		
18 Q	45.9	46.2	47.8	48.0	49.3	49.4	49.4	50.0	49.7	48.9	49.7	50.1	49.9	50.6	51.7	52.8	53.0	51.9	50.9	49.0	47.3	46.6	46.6	47.4	49.2		
19	47.7	48.3	48.6	49.1	47.9	47.7	47.7	49.4	50.1	52.0	51.3	51.8	53.2	51.5	51.1	50.3	50.6	50.1	49.4	49.7	48.6	48.3	47.1	46.4	49.5		
20	45.3	46.7	47.5	48.7	49.8	48.0	50.4	52.0	54.2	66.4	54.1	48.9	48.4	48.7	49.1	50.1	49.3	49.1	48.1	45.9	43.2	42.2	43.2	45.8	49.0		
21	48.4	50.0	51.0	46.6	62.1	61.3	47.4	52.2	54.0	54.4	54.2	49.8	49.6	49.0	49.5	51.2	52.0	51.3	48.5	46.7	44.9	45.3	46.0	47.3	50.5		
22	46.9	47.1	47.7	57.2	50.7	48.5	47.5	47.3	48.9	49.0	48.3	47.7	47.8	48.9	49.4	50.6	52.1	51.5	49.2	47.3	45.9	46.6	46.6	46.6	48.7		
23	46.9	47.1	48.0	48.9	48.3	47.5	47.8	47.9	49.3	53.1	50.0	48.4	49.0	43.9	48.5	52.4	48.7	42.3	44.7	46.1	44.1	47.2	47.1	46.3	47.6		
24	45.7	45.8	51.2	49.9	49.8	49.7	48.0	47.0	42.8	55.7	61.8	50.9	48.9	50.1	51.2	50.4	50.2	45.6	41.4	42.5	43.3	44.6	46.0	46.9	48.3		
25	46.8	48.2	50.7	50.3	48.0	48.1	50.5	40.9	47.1	49.4	51.6	49.0	45.4	45.4	50.3	50.7	49.2	47.2	46.6	45.1	44.7	44.9	45.0	45.1	47.5		
26	46.3	47.0	49.6	48.9	48.0	47.3	50.1	47.7	47.4	50.4	49.9	50.3	50.1	50.1	50.0	49.9	50.5	50.6	49.4	48.6	46.7	46.0	46.4	46.4	48.6		
27	47.2	46.5	47.5	47.8	47.2	46.7	46.5	46.4	46.5	47.2	47.5	47.8	48.9	48.4	48.2	50.4	52.3	51.5	48.9	45.7	42.8	43.6	44.8	45.8	47.3		
28	47.1	47.4	47.0	47.0	46.4	47.0	46.9	49.8	47.8	50.8	50.4	47.8	50.1	51.0	51.2	51.2	51.5	47.9	45.0	42.2	38.5	38.4	43.5	43.6	47.1		
29	45.0	46.0	46.8	44.1	44.2	45.2	46.0	46.9	48.9	50.0	50.5	50.8	49.8	50.2	50.2	50.1	50.1	49.7	48.2	46.3	45.1	44.6	45.2	45.2	47.5		
30 D	44.6	44.9	45.7	45.3	43.8	45.5	46.4	45.7	45.5	46.6	46.9	46.9	47.1	47.9	48.8	49.6	50.7	49.8	39.9	33.2	28.2	37.2	39.4	43.1	44.3		
31 D	42.8	45.7	46.7	46.6	46.2	45.1	46.2	38.8	41.6	67.5	55.7	57.1	55.4	51.7	51.5	52.3	48.6	46.7	45.0	46.5	40.2	40.4	43.8	45.7	47.8		
Mean	47.4	47.9	48.5	49.7	50.2	49.7	50.1	50.3	50.6	52.1	51.4	51.0	50.8	51.1	52.0	52.9	53.2	51.5	49.6	48.4	46.2	46.2	46.5	47.2	49.8		

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

Table 47 Meanook

$Z = 58,500 \gamma +$

December 1949

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	499	497	486	484	477	416	454	400	282	434	472	475	470	468	467	468	466	467	466	475	477	475	474	475	475	459
2	470	471	472	475	483	488	435	384	452	455	399	432	466	466	467	466	466	466	466	472	475	474	473	472	471	460
3	475	472	471	470	467	466	466	467	463	465	466	463	442	332	380	421	444	451	461	466	467	464	472	477	454	
4 D	489	488	497	493	485	483	473	460	497	488	487	477	464	454	467	463	459	459	466	474	473	478	495	491	478	
5	490	486	481	493	510	495	499	510	488	479	439	457	466	467	461	466	466	463	474	478	481	475	477	478	478	
6	488	510	489	478	477	484	443	470	456	452	476	475	473	472	471	468	467	475	475	481	477	474	478	477	475	
7 Q	472	473	476	488	504	496	483	478	479	476	471	470	468	470	467	471	470	474	477	476	474	474	475	474	476	
8	475	473	475	470	470	471	472	474	477	471	470	466	466	463	457	461	466	470	471	470	466	466	471	472	469	
9 D	470	470	475	497	523	524	497	477	402	348	472	467	443	416	418	456	476	475	477	477	478	487	486	495	467	
10	500	501	497	491	488	485	450	432	461	466	466	467	478	479	475	475	474	474	477	478	477	478	483	483	476	
11 Q	483	479	479	478	477	475	478	474	467	468	474	477	474	470	474	476	472	477	481	479	476	477	478	478	476	
12 Q	478	477	477	477	478	477	477	475	471	475	470	464	467	471	472	475	475	474	472	476	476	479	477	479	475	
13 Q	477	488	488	489	490	491	487	463	458	478	477	477	477	476	474	475	479	477	482	486	485	482	481	482	480	
14 D	483	488	510	538	518	499	479	452	497	491	484	425	334	337	326	366	431	452	477	488	481	482	479	483	458	
15	490	502	551	558	538	510	488	488	485	479	434	468	484	481	475	478	483	483	482	481	477	476	478	481	490	
16	489	499	521	510	498	490	480	476	481	486	482	476	476	476	474	480	477	476	476	474	477	478	478	477	484	
17	476	480	482	487	496	505	489	487	482	476	476	473	476	476	477	481	481	482	478	475	476	478	472	480	481	
18 Q	478	483	489	488	488	487	488	489	487	484	480	477	475	473	476	476	472	471	476	476	476	477	475	477	480	
19	478	478	477	478	475	475	476	476	460	455	458	451	460	466	468	471	465	463	471	467	467	474	475	476	469	
20	478	485	489	489	498	511	481	474	422	318	470	481	482	481	478	474	470	466	473	476	477	477	476	490	472	
21	500	498	496	485	510	480	485	467	477	478	472	456	476	477	474	469	469	472	467	473	474	474	476	475	478	
22	476	480	484	496	494	487	481	480	478	476	474	473	474	475	474	476	480	481	481	477	477	478	476	480	480	
23	476	476	478	477	478	477	476	476	474	462	465	465	463	446	455	456	455	453	449	470	476	487	484	485	469	
24	490	509	553	521	509	496	485	451	252	309	419	466	474	476	474	474	476	476	471	477	482	485	482	482	466	
25	480	482	487	485	480	480	478	448	451	467	459	450	444	443	453	457	451	460	476	480	483	487	485	482	469	
26	488	490	492	485	485	486	487	475	451	459	484	478	480	476	474	475	476	480	481	487	485	485	484	482	480	
27	478	480	478	476	474	475	476	474	476	475	476	474	466	467	462	466	474	476	480	477	477	478	480	483	475	
28	480	483	480	476	476	476	478	480	431	438	442	424	460	470	474	473	472	466	465	476	483	487	501	500	470	
29	509	512	514	502	487	483	487	487	487	486	471	473	487	484	482	482	487	487	487	487	489	490	486	484	489	
30 D	487	486	490	496	492	487	485	483	480	477	477	476	476	475	475	476	478	472	444	447	442	475	471	494	477	
31 D	510	509	508	496	487	498	506	490	390	390	497	453	476	498	485	477	476	481	485	482	487	486	494	495	482	
Mean	484	487	494	491	491	486	478	468	452	454	466	465	465	461	461	466	469	471	473	476	476	479	480	482	474	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook

December 1949

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range γ	Maximum 24° E +		Minimum 24° E +		Range '	Maximum 58,500 γ +		Minimum 58,500 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	03 04	846	08 31	<u>418</u>	428	08 46	80.1	05 23	37.1	43.0	06 05	514	08 27	<u>132</u>	382
2	04 56	825	06 50	716	109	06 42	68.9	07 25	44.4	24.5	05 20	497	10 22	342	155
3	14 30	849	13 30	582	267	15 03	63.6	23 33	44.2	19.4	24 00	489	13 35	283	206
4 D	07 33	892	20 50	732	160	08 16	65.2	21 04	38.7	26.5	08 46	536	12 57	425	111
5	06 32	853	10 36	738	115	15 48	57.7	22 34	45.6	12.1	04 30	522	10 33	401	121
6	06 10	858	08 53	781	77	06 10	65.9	06 44	35.2	30.7	01 38	533	06 41	395	138
7 Q	05 14	836	21 08	792	44	16 57	57.1	22 31	47.5	09.6	04 11	510	16 02	465	45
8	10 07	831	21 20	796	35	18 05	58.9	22 12	46.5	12.4	08 15	486	12 58	456	30
9 D	05 59	959	07 43	482	<u>477</u>	08 59	<u>120.9</u>	08 30	31.4	<u>89.5</u>	04 04	558	09 37	326	232
10	14 31	835	07 11	726	109	16 21	56.5	07 15	45.0	11.5	01 41	510	07 11	415	95
11 Q	14 40	828	18 23	795	33	07 08	57.4	21 54	47.0	10.4	18 20	486	08 27	461	25
12 Q	15 21	836	21 06	801	35	16 10	56.5	08 16	45.0	11.5	06 31	485	08 25	461	<u>24</u>
13 Q	15 07	833	19 51	801	32	07 47	59.2	23 23	46.0	13.2	04 50	497	08 03	433	64
14 D	06 47	917	11 33	723	194	07 08	81.1	02 13	44.0	37.1	03 26	546	18 23	307	239
15	04 02	854	10 18	744	110	16 35	58.5	02 32	38.8	19.7	02 41	581	10 20	409	172
16	02 16	852	19 50	799	53	16 42	55.9	02 33	38.1	17.8	02 25	536	19 33	470	66
17	06 15	836	20 47	801	35	05 04	58.8	05 45	45.3	13.5	05 16	519	11 37	469	50
18 Q	15 26	835	19 13	812	<u>23</u>	16 45	53.8	00 47	44.6	09.2	03 00	494	17 10	467	27
19	10 05	838	19 12	809	29	17 30	54.9	08 18	46.7	<u>08.2</u>	07 13	485	11 42	441	44
20	06 34	873	08 55	676	197	09 21	75.4	06 47	38.9	36.5	05 55	524	09 43	250	274
21	04 46	856	03 45	787	69	04 40	82.8	03 44	33.2	49.6	04 47	551	03 42	422	129
22	04 34	841	09 14	800	41	03 48	64.5	20 17	45.2	19.3	04 04	505	10 16	466	39
23	15 15	853	13 34	791	62	09 15	56.3	17 37	38.6	17.7	21 02	498	13 30	441	57
24	02 21	876	08 28	607	269	10 13	69.4	07 46	36.5	32.9	02 07	577	08 42	174	<u>403</u>
25	04 03	830	12 29	772	58	10 40	53.8	07 35	31.3	22.5	02 47	496	07 37	357	139
26	15 13	834	08 43	755	79	16 10	52.5	08 25	44.3	<u>08.2</u>	06 39	498	08 44	420	78
27	11 43	842	19 35	803	39	11 29	60.0	21 11	41.5	18.5	23 40	488	12 23	461	27
28	08 17	848	11 14	750	98	11 28	60.3	21 50	35.1	25.2	21 51	517	08 42	365	152
29	02 32	855	00 04	788	67	13 42	53.1	03 34	41.4	11.7	02 45	525	10 55	454	71
30 D	21 00	844	20 03	753	91	17 18	52.7	20 35	25.9	26.8	03 56	504	18 37	436	68
31 D	07 35	<u>969</u>	08 42	559	410	09 40	76.6	08 33	<u>14.8</u>	61.8	10 44	542	08 16	306	236
Mean		856		732	124		64.1		39.9	24.2		517		391	126
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

Table 55 Meanook HORIZONTAL INTENSITY (gammas) (Disturbed Days) 1949. Table 56 Meanook DECLINATION (minutes) (Disturbed Days) 1949. Table 57 Meanook VERTICAL INTENSITY (gammas) (Disturbed Days) 1949. The tables contain monthly and yearly data for magnetic intensity, declination, and vertical intensity.

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

Table 1 Meanook

H = 12,000 γ +

January 1950

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	823	804	813	828	823	824	820	820	817	815	816	817	818	819	820	820	812	811	819	815	818	824	824	823	818
2	825	830	834	835	842	848	830	823	812	827	826	823	821	821	821	821	821	816	809	809	810	816	816	815	823
3	822	823	823	830	827	826	826	824	824	824	824	821	821	802	820	827	820	812	810	806	809	814	815	819	820
4	834	834	834	831	832	826	822	809	812	823	827	823	822	821	824	824	823	814	811	799	787	787	803	802	818
5 Q	817	824	828	830	830	826	826	819	815	821	823	819	814	823	834	832	821	811	810	812	809	812	819	826	821
6	826	825	821	814	819	821	824	825	826	821	812	795	804	809	823	835	819	805	803	807	813	819	820	820	817
7	816	821	832	834	830	826	819	819	833	804	812	819	773	763	826	785	821	808	803	798	804	811	819	819	812
8 Q	826	834	830	827	826	827	826	826	826	819	826	826	824	830	830	827	823	819	819	816	819	826	826	826	825
9	821	823	813	818	843	841	842	826	816	816	807	819	826	833	834	837	834	826	822	819	819	819	826	830	825
10	834	831	834	843	842	832	830	826	811	808	826	834	834	834	834	834	826	818	799	802	799	814	820	823	824
11	829	837	837	842	842	838	834	831	825	819	823	826	823	827	827	819	834	823	813	807	807	812	805	816	825
12	832	837	842	840	838	837	831	830	826	826	826	827	826	826	831	822	822	823	816	809	818	815	821	827	827
13	831	834	841	844	841	838	838	836	818	816	802	816	818	826	818	823	816	813	823	816	810	804	813	828	823
14 D	835	835	837	836	838	845	835	835	843	835	833	815	804	823	798	836	819	812	773	793	791	794	795	818	820
15	816	816	816	816	816	816	816	816	816	791	704	682	693	782	836	818	816	816	812	807	799	809	812	820	798
16	823	826	826	819	818	819	827	790	804	811	818	815	827	830	826	826	819	813	811	803	802	808	804	816	816
17 Q	822	824	822	822	822	822	822	822	825	818	815	821	829	830	830	833	829	820	811	807	804	806	814	818	820
18 Q	823	827	818	807	818	825	824	825	825	825	825	825	825	825	830	826	825	821	818	818	818	818	814	818	822
19	826	830	833	827	826	826	826	819	812	826	711	679	795	836	841	834	833	819	795	795	795	791	810	834	809
20 D	825	873	873	802	885	889	819	741	648	647	654	523	427	656	674	795	745	710	811	811	807	810	812	824	753
21 D	827	819	818	819	826	819	819	785	819	790	568	523	772	819	836	846	814	795	802	791	783	796	809	819	788
22	819	819	823	856	873	826	822	815	799	808	784	777	823	829	829	829	822	813	804	797	793	793	804	813	815
23	819	819	819	819	823	823	823	823	800	814	824	830	830	834	832	838	840	831	819	810	803	811	826	834	823
24 D	826	823	826	836	828	828	830	830	837	787	780	803	796	763	765	724	639	592	691	714	729	726	804	819	775
25 D	834	823	796	793	845	881	858	961	834	477	664	679	633	759	772	773	779	794	780	780	780	787	811	811	779
26	829	825	833	834	841	841	831	825	818	786	794	818	821	814	794	772	819	809	801	803	803	802	810	810	814
27	808	810	818	829	872	849	822	818	815	810	811	794	775	781	806	822	819	818	811	786	790	776	778	817	810
28	805	841	836	827	833	842	833	833	819	805	801	803	806	803	762	743	786	797	810	809	800	803	801	809	809
29 Q	814	814	824	835	834	834	833	835	823	830	818	817	819	819	819	817	809	801	804	803	803	802	800	803	817
30	810	820	834	832	846	917	932	701	747	843	837	833	819	817	818	817	801	786	803	806	786	783	804	803	816
31	809	816	818	822	824	825	826	818	825	825	818	820	822	822	814	810	814	817	818	818	818	814	803	811	818
Mean	823	827	827	827	836	837	831	820	812	799	791	785	792	809	814	815	810	802	804	802	801	803	811	818	812

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Meanook

D = 24° E ...'

January 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	48.2	50.2	51.2	51.3	50.4	50.2	47.0	47.5	48.4	49.5	50.2	50.1	49.9	50.2	51.5	51.8	52.5	51.2	49.5	48.4	44.9	45.4	46.1	44.9	49.2
2	44.0	45.7	43.5	44.3	46.1	46.3	44.4	47.7	49.3	50.3	49.7	48.8	48.8	48.9	49.2	50.2	51.5	51.5	51.3	49.1	48.8	47.8	48.3	48.4	48.1
3	47.3	47.2	48.0	47.8	47.2	46.9	46.6	46.5	46.9	47.4	48.3	47.2	51.2	48.9	52.1	51.9	50.5	49.2	48.8	47.8	46.3	45.2	44.8	46.0	47.9
4	44.6	45.4	47.7	48.3	47.5	46.1	45.8	45.2	40.6	50.1	48.9	49.3	48.1	49.4	50.2	53.1	50.8	50.2	48.4	48.5	47.3	43.0	44.0	46.3	47.4
5 Q	45.9	46.3	47.8	48.4	47.3	46.8	45.7	46.3	44.1	47.4	51.2	47.0	47.4	48.4	49.7	49.2	49.2	48.6	47.6	46.8	45.2	44.5	45.9	46.3	47.2
6	46.8	46.8	47.6	53.2	48.4	48.3	48.3	49.2	47.4	48.5	50.4	49.9	49.7	44.4	50.7	51.2	47.4	46.4	42.0	44.0	43.6	44.3	46.3	46.0	47.5
7	44.6	46.6	45.5	51.2	48.1	49.0	49.2	48.3	47.3	52.2	50.2	50.2	47.1	41.9	52.5	53.9	52.4	47.4	44.0	45.4	46.4	45.0	45.0	46.4	47.9
8 Q	46.8	47.3	47.3	48.3	48.2	48.2	47.4	47.3	46.3	47.4	48.2	48.7	48.9	49.8	49.8	50.2	50.3	49.9	48.1	46.3	45.1	44.9	46.3	46.9	47.8
9	46.8	46.4	49.2	59.8	62.7	56.0	53.0	46.6	44.4	45.4	47.3	48.1	46.8	48.9	51.2	51.2	52.1	51.7	49.2	47.8	45.5	45.4	45.4	45.1	49.4
10	44.9	44.4	46.3	47.4	47.2	47.3	48.3	46.8	48.4	47.3	50.3	49.2	48.3	48.3	49.7	52.1	52.0	52.4	50.5	47.7	42.7	41.0	42.4	46.3	47.6
11	45.5	44.3	46.3	48.4	49.7	48.3	47.8	47.8	47.3	47.8	49.2	51.2	49.2	51.2	51.1	51.2	52.3	53.1	53.0	49.7	46.4	43.3	43.3	43.0	48.3
12	42.9	45.0	46.1	45.9	45.4	47.2	48.3	47.9	46.3	46.3	46.9	47.8	48.3	48.8	39.2	49.9	50.1	49.6	49.2	49.3	45.1	42.4	40.6	39.6	46.2
13	41.8	43.0	47.4	43.6	46.3	46.5	47.6	48.8	47.6	47.7	45.1	47.7	48.3	49.7	52.0	54.9	53.9	50.3	52.5	48.6	46.1	44.4	44.9	42.5	47.6
14 D	44.1	45.5	43.4	44.4	46.1	46.6	48.8	48.4	53.6	43.0	44.8	50.3	48.9	50.1	47.4	50.2	51.2	47.9	42.5	42.7	43.5	42.8	44.4	45.1	46.5
15	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	45.1	43.5	47.8	52.5	54.9	53.3	46.7	53.3	53.3	50.3	48.8	46.8	46.8	46.3	43.1	46.4	48.1
16	46.4	46.8	47.7	47.8	48.3	48.7	48.3	47.4	53.8	51.6	46.9	50.2	47.2	47.2	46.8	49.0	49.2	46.3	47.7	48.0	46.0	46.4	45.4	46.0	48.0
17 Q	44.4	46.4	46.4	47.7	47.3	47.3	47.3	47.3	47.1	48.4	48.9	53.1	50.3	50.2	47.7	48.3	49.2	49.7	47.2	44.9	44.7	44.2	44.4	45.7	47.4
18 Q	48.9	46.5	47.2	48.7	47.2	47.7	47.2	46.7	46.6	46.6	46.8	46.5	46.3	45.2	47.3	48.3	49.3	49.2	48.4	48.8	47.5	45.2	45.9	45.8	47.2
19	45.3	45.4	46.3	46.4	47.4	47.5	48.6	48.4	48.3	50.2	36.8	48.3	55.0	47.8	48.6	48.9	52.9	53.9	46.8	41.5	40.9	40.3	39.6	39.1	46.4
20 D	36.1	36.7	42.6	46.0	53.9	53.1	51.2	54.0	76.1	45.4	62.7	60.2	50.2	51.2	55.4	41.5	46.3	33.0	42.5	45.5	46.4	45.2	45.2	45.4	48.6
21 D	46.4	47.4	46.3	48.3	49.2	51.2	50.2	61.6	53.1	49.2	40.5	33.0	54.0	53.8	49.0	52.1	53.1	49.5	46.3	45.6	45.4	44.8	44.0	43.6	48.2
22	45.0	46.3	44.3	46.8	47.7	50.1	49.7	48.4	48.0	47.1	43.8	42.9	48.6	48.8	48.8	50.7	49.6	51.7	50.1	48.6	45.9	43.7	43.3	44.5	47.3
23	45.5	46.4	47.1	48.1	46.6	46.8	47.1	47.5	47.6	47.8	48.4	47.3	47.1	47.1	47.1	49.6	51.9	51.5	50.3	48.3	46.4	43.6	43.6	41.7	47.3
24 D	44.0	44.2	45.0	45.9	47.1	47.9	47.5	47.1	52.9	53.2	51.9	53.9	52.3	52.4	46.3	45.5	58.0	49.3	40.7	49.3	36.8	36.3	36.0	36.9	46.7
25 D	41.8	42.7	47.5	49.4	48.1	66.7	86.9	50.1	50.4	52.2	53.0	61.8	58.9	57.5	59.9	52.3	47.7	43.6	42.0	44.5	42.4	41.6	41.6	41.6	51.0
26	40.2	40.3	42.5	42.5	46.7	47.4	49.6	50.6	51.7	48.5	48.4	50.3	47.9	48.7	50.6	47.5	53.5	48.4	39.7	40.0	41.2	43.6	41.6	46.4	46.2
27	44.5	44.1	42.7	44.5	40.6	44.2	47.6	47.9	48.1	47.4	48.3	47.9	48.9	47.0	48.1	52.3	51.4	52.2	47.4	45.4	44.2	42.7	38.7	38.3	46.0
28	38.9	42.1	43.5	44.4	45.6	51.3	45.4	46.0	47.5	48.4	48.7	52.0	50.6	49.8	48.5	46.1	51.6	48.4	48.0	46.5	45.0	42.6	43.6	44.5	46.6
29 Q	44.1	44.2	44.1	45.2	44.0	45.5	46.8	46.4	48.3	48.3	48.1	48.0	47.4	47.5	48.4	49.6	52.3	54.0	49.2	45.6	45.0	44.5	45.2	45.1	47.0
30	42.6	43.6	43.7	43.7	46.9	36.8	55.1	44.6	49.6	55.8	52.0	47.8	48.4	48.3	48.3	50.1	52.6	48.3	44.4	47.1	44.5	39.1	42.4	44.1	46.7
31	44.9	45.0	46.3	47.5	46.4	46.4	46.4	44.5	47.3	48.9	48.0	48.4	49.0	49.2	48.9	48.0	49.8	49.8	46.5	46.4	46.3	46.1	45.9	46.1	47.1
Mean	44.5	45.1	46.0	47.5	47.7	48.4	49.3	48.0	49.0	48.5	48.5	49.3	49.6	49.2	49.4	50.1	51.2	49.3	47.2	46.6	44.9	43.7	43.8	44.3	47.5

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 3 Meanook

Z = 58,000 γ +

January 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	998	1007	1012	1006	1008	1006	1002	998	998	993	988	986	982	982	976	982	982	982	978	976	976	978	979	980	990	
2	982	983	990	1007	1012	1024	997	988	996	983	991	987	987	987	987	987	987	987	982	982	982	982	982	982	990	
3	982	982	982	982	982	982	982	982	982	982	976	968	960	937	948	970	977	984	987	985	986	986	980	980	977	
4	988	985	984	983	983	984	991	988	975	1004	993	980	983	983	983	980	982	982	982	983	988	1000	1000	990	986	
5 Q	989	987	987	982	982	982	982	982	963	957	972	965	960	968	972	963	977	986	977	978	984	976	976	978	976	
6	982	982	982	993	992	987	979	971	956	963	963	942	934	950	946	961	950	959	976	979	987	987	987	985	971	
7	986	987	1015	1018	992	983	982	982	952	950	965	961	928	930	959	965	972	968	973	982	982	982	985	983	974	
8 Q	982	987	986	983	980	980	982	982	972	982	973	973	976	976	976	976	976	976	977	978	978	978	978	978	979	
9	980	987	998	1020	1014	1018	1014	998	976	976	960	959	960	970	975	974	974	974	976	976	976	976	976	976	983	
10	976	982	982	985	982	976	976	976	954	928	956	965	971	971	972	971	971	971	976	976	976	976	976	982	972	
11	991	991	987	986	992	993	982	977	972	972	955	961	961	964	971	971	974	972	971	977	976	976	982	984	977	
12	982	987	992	998	1018	1001	982	977	971	971	971	971	974	975	975	968	961	961	965	968	976	982	986	991	979	
13	992	992	993	992	994													977	976	976	975	979	988			
14 D	980	980	987	1011	1025	1008	1008	988	986	998	994	982	957	970	955	982	986	973								
15																			982	982	982	982	982	982		
16	982	980	982	983	988	987	975	840	938	954	971	972	971	971	980	974	972	976	975	977	977	978	983	988	970	
17 Q	989	983	982	982	982	982	977	977	970	954	939	948	955	959	969	971	971	971	972	974	976	976	982	983	972	
18 Q	977	978	980	993	993	987	982	976	972	970	970	968	968	964	970	979	979	979	976	976	976	976	976	976	977	
19	976	976	976	976	982	988	982	985	888	954	860	809	860	934	955	966	968	959	960	977	987	998	1012	1013	956	
20 D	1029	1067	1079	1100	1089	1045	992	946	713	798	735	834	689	728	839	949	937	917	950	971	971	971	972	982	929	
21 D	985	992	997	1024	1024	1003	988	883	949	944	863	770	874	938	976	998	960	975	977	983	988	991	992	994	961	
22	997	1004	1019	1010	1003	1007	992	976	950	944	944	913	954	965	971	971	970	978	978	978	978	978	978	978	976	
23	980	980	980	980	980	980	976	976	923	902	957	971	974	974	974	974	974	975	972	971	971	971	972	976	969	
24 D	976	982	982	982	979	976	976	975	945	868	874	938	938	901	852	846	861	890	916	983	1030	1042	1029	1030	949	
25 D	1033	1028	1010	1011	1025	979	961	1013	992	842	918	928	859	891	914	965	960	959	964	975	984	1004	1014	1000	968	
26	1007	1014	1024	1025	1025	1037	1022	1014	998	977	949	972	984	973	965	945	960	955	960	966	966	975	987	987	987	
27	987	987	992	1005	1035	1025	992	988	976	973	974	946	906	890	938	977	976	992	976	974	983	988	992	1015	979	
28	1030	1035	1035	1046	1052	1037	1025	1014	1001	986	976	959	960	960	920	891	913	948	961	970	977	986	986	991	986	
29 Q	1000	1000	992	999	1004	999	990	992	982	982	982	983	983	983	983	977	971	968	968	966	975	987	991	985		
30	991	987	1004	1011	1035	1082	949	832	952	950	1002	1013	987	987	987	982	965	969	976	982	986	990	992	987	983	
31	991	989	992	992	992	993	991	956	971	976	976	976	974	974	974	971	971	971	972	972	972	976	976	980	982	979
Mean	991	994	997	1002	1004	1001	986	969	957	951	948	947	943	949	957	965	964	967	970	976	981	984	986	988	974	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Meanook

January 1950

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range γ	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	
1	03 47	837	01 34	797	40	16 50	56.3	06 26	39.1	17.2	04 46	1020	14 16	972	48
2	05 15	866	08 55	793	73	09 39	53.3	05 21	34.4	18.9	05 25	1054	09 10	962	92
3	12 20	839	13 24	787	52	14 41	55.3	21 25	34.0	21.3	18 04	996	13 09	917	79
4	08 31	871	08 12	737	134	15 28	55.0	08 20	28.5	26.5	08 46	1027	08 13	903	124
5 Q	14 25	839	12 39	799	40	14 47	52.6	08 40	43.9	08.7	02 14	999	08 44	936	63
6	15 11	853	12 55	769	84	03 22	59.6	18 10	39.1	20.5	03 37	1005	12 14	907	98
7	02 57	865	13 03	711	154	15 26	55.9	13 03	35.3	20.6	02 59	1095	13 04	891	204
8 Q	01 39	846	17 35	813	<u>33</u>	17 23	54.1	08 21	43.9	10.2	01 40	998	20 32	971	<u>27</u>
9	05 40	876	03 31	791	85	03 41	68.1	08 00	34.0	34.1	03 11	1054	10 48	947	107
10	03 55	858	08 56	763	95	15 25	54.4	21 47	39.9	14.5	23 47	999	09 03	894	105
11	03 31	949	22 20	788	161	18 30	55.6	22 39	38.9	16.7	22 43	1000	10 41	946	54
12	01 30	854	19 15	805	49	17 09	52.0	23 44	39.1	12.9	04 24	1040	18 11	953	87
13	02 26	848	21 35	799	49	15 55	59.3	05 53	21.5	37.8					
14 D	08 19	870	18 19	727	143	08 38	60.1	18 34	37.2	22.9					
15	13 54	848	12 11	633	215	12 13	60.6	09 41	41.2	19.4					
16	07 14	866	07 26	709	157	07 41	59.1	07 26	28.7	30.4	04 57	1001	07 12	756	245
17 Q	12 30	838	21 09	797	41	11 01	55.1	00 22	42.4	12.7	00 01	1000	13 57	913	87
18 Q	01 14	837	03 16	799	38	03 18	50.0	13 15	43.8	<u>06.2</u>	03 35	1017	13 21	959	58
19	08 14	909	10 55	576	333	12 25	62.5	10 43	27.9	34.6	22 52	1020	08 25	768	252
20 D	05 01	930	12 21	<u>377</u>	553	08 01	97.9	17 27	23.2	74.7	03 21	1129	12 45	<u>601</u>	<u>528</u>
21 D	14 30	866	10 47	436	430	07 41	67.5	11 38	19.4	48.1	04 22	1043	11 40	725	318
22	03 50	<u>1084</u>	11 55	740	344	03 56	77.7	04 23	17.2	60.5	03 24	<u>1138</u>	03 33	855	283
23	23 53	844	08 59	784	60	16 33	52.9	23 40	39.7	13.2	07 02	988	08 59	814	174
24 D	08 44	876	17 00	463	413	16 54	79.8	19 30	33.4	46.4	21 31	1062	14 56	780	282
25 D	07 16	1057	09 19	391	<u>666</u>	06 06	<u>124.4</u>	09 17	<u>-19.4</u>	<u>143.8</u>	00 34	1063	09 32	634	429
26	05 31	851	10 05	720	131	16 42	57.3	22 28	37.4	19.9	05 14	1052	10 05	882	170
27	04 34	943	13 24	744	199	16 04	55.5	04 14	34.4	21.1	04 44	1061	13 21	869	192
28	06 53	876	15 09	719	157	05 43	54.7	00 03	35.2	19.5	04 13	1074	15 42	881	193
29 Q	07 05	861	23 37	791	70	17 14	55.9	07 11	39.7	16.2	04 20	1018	20 21	965	53
30	06 16	1006	07 15	570	436	06 49	84.6	07 31	01.6	83.0	05 20	1117	07 12	605	512
31	07 15	833	22 06	796	37	17 25	51.5	07 30	41.4	10.1	06 03	1008	07 48	941	67
Mean		884		707	177		62.5		32.1	30.4		1038		862	176
No. days		31		31	31		31		31	31		28		28	28

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 5 Meanook H = 12,000 γ + February 1950

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	823	819	819	819	812	820	819	819	812	811	807	798	791	810	831	824	819	819	809	811	808	805	807	816	814
2	819	819	827	826	826	826	830	795	279	252	291	100	506	486	692	646	720	807	856	831	826	825	823	820	680
3	819	818	819	827	826	819	835	819	748	522	343	479	687	717	648	700	776	784	800	807	798	811	819	846	744
4	831	830	828	827	826	820	827	835	816	811	802	759	690	741	721	756	819	792	766	792	792	835	812	810	798
5	812	816	819	842	852	854	828	819	818	817	818	819	818	819	815	812	800	811	808	809	807	807	810	811	818
6	819	819	827	826	819	811	823	824	792	807	788	826	834	831	835	830	834	823	808	810	804	811	813	823	818
7	827	834	834	827	819	829	830	827	824	828	823	815	733	777	841	832	823	803	787	795	795	801	815	816	814
8	822	828	829	827	834	820	827	829	829	815	799	774	809	796	791	788	787	777	788	796	784	796	812	820	807
9	820	835	824	827	835	831	835	820	819	812	809	796	824	831	824	805	796	788	799	790	792	811	804	805	814
10 Q	827	827	827	827	822	821	824	824	824	824	824	824	824	821	825	827	826	813	804	796	799	800	804	813	819
11	827	827	827	827	827	829	830	831	827	827	820	813	823	843	843	835	831	824	812	812	812	817	820	817	825
12	812	820	821	827	826	827	824	827	824	827	827	834	835	824	820	820	827	825	809	798	796	799	804	811	819
13 Q	819	820	824	828	826	825	824	823	825	835	835	835	831	836	835	835	788	820	816	794	800	806	812	815	821
14	820	823	823	825	824	824	824	827	827	827	830	836	836	838	839	836	828	811	793	798	804	809	815	819	822
15	823	827	827	827	828	827	828	824	781	824	827	804	813	837	839	835	828	820	800	788	792	797	799	808	817
16 Q	812	819	823	824	827	827	827	827	820	820	820	820	827	831	835	835	835	820	808	803	797	803	803	812	820
17 Q	820	827	827	827	827	828	839	827	840	838	835	835	824	835	827	835	835	824	808	803	793	793	803	811	823
18	821	828	831	831	831	831	830	831	829	835	838	835	838	843	842	843	841	828	811	804	801	799	804	820	827
19	823	834	834	834	837	838	834	835	836	837	842	842	847	847	847	850	835	826	803	794	791	795	799	812	828
20 D	826	834	834	837	830	827	823	826	824	829	830	841	842	837	811	818	869	780	564	573	866	976	807	928	818
21 D	847	854	749	820	894	711	796	668	604	515	356	562	597	735	503	649	781	792	767	757	749	784	820	867	716
22 D	870	827	835	820	802	804	744	796	749	777	793	796	792	796	787	742	760	750	742	749	746	789	783	800	785
23 D	820	809	803	802	802	796	796	779	773	745	691	290	410	441	647	590	742	703	734	742	812	1046	1054	1069	746
24 D	1083	955	1000	890	919	851	839	880	827	781	752	696	792	796	801	804	804	800	785	771	774	792	787	819	833
25	829	796	803	816	801	804	804	797	757	563	652	757	765	806	820	820	814	804	789	780	774	778	787	794	780
26 Q	802	808	812	812	812	812	810	810	811	812	815	815	814	814	817	817	813	804	797	792	790	790	789	800	807
27	804	812	816	816	816	816	820	818	819	819	819	823	824	825	831	831	831	827	816	802	799	796	800	806	816
28	812	820	820	817	816	814	813	816	675	738	786	768	814	828	792	804	824	813	785	781	788	792	811	807	797
29																									
30																									
31																									
Mean	832	828	827	827	829	819	821	816	779	762	753	743	773	787	791	794	810	803	788	785	796	817	815	828	801

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Meanook

D = 24° E + . . .'

February 1950

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	45.5	46.7	46.6	45.9	45.0	46.8	46.3	47.4	53.1	53.2	50.4	49.0	55.0	56.1	47.3	47.5	48.9	47.3	44.2	46.4	46.0	45.7	45.5	46.2	48.5
2	45.6	46.2	46.2	46.1	45.5	44.7	45.0	48.9	44.6	51.7	66.4	73.0	62.1	74.4	38.0	46.4	51.5	50.6	47.4	48.5	47.1	47.5	46.9	47.3	50.5
3	47.4	47.3	46.8	46.9	46.4	45.6	47.0	62.1	52.3	61.7	62.8	73.4	58.7	55.4	52.2	43.6	43.8	43.7	40.1	48.4	45.0	44.1	45.4	42.7	50.1
4	44.1	45.5	45.7	46.6	45.8	44.2	48.8	48.3	45.7	46.9	49.6	52.2	50.4	60.2	47.5	47.9	47.4	46.5	42.4	41.9	43.9	44.9	44.1	46.3	46.9
5	47.4	46.5	46.6	59.9	65.7	46.4	45.9	44.8	44.9	46.2	47.7	48.4	48.4	48.4	47.9	49.6	48.6	47.0	47.9	47.5	46.5	46.2	46.0	46.4	48.4
6	46.4	46.0	46.7	46.5	47.9	49.1	50.0	50.8	47.6	50.6	45.0	50.7	49.8	48.9	49.2	52.0	47.9	47.4	44.1	46.0	45.0	45.5	45.4	45.0	47.7
7	45.0	45.0	45.0	46.2	51.8	48.2	45.5	48.9	48.6	47.1	49.3	46.4	46.0	52.0	56.3	54.6	53.2	51.4	45.0	42.5	41.6	44.6	44.1	46.1	48.2
8	45.6	46.3	46.5	46.8	47.8	55.7	49.3	45.7	48.2	47.5	48.0	48.0	53.9	60.0	57.6	52.2	53.3	45.6	43.2	43.7	40.8	41.7	41.4	38.4	48.3
9	40.8	44.2	46.0	46.6	46.6	48.0	52.3	48.5	46.9	47.5	48.5	48.4	48.5	50.9	51.5	52.0	45.4	43.4	45.1	43.4	43.8	45.3	43.4	41.3	46.5
10 Q	42.8	45.1	47.8	46.5	48.5	48.0	48.0	48.0	48.3	47.6	46.5	48.4	48.5	48.0	50.4	52.0	52.3	51.8	49.7	48.7	46.9	45.5	45.5	45.6	47.9
11	45.0	44.8	45.4	45.6	50.9	45.5	46.5	45.9	46.5	47.6	48.1	48.0	50.9	50.4	49.5	50.5	50.9	50.5	49.0	48.0	46.5	45.6	43.8	42.8	47.4
12	41.8	41.7	44.7	46.1	46.1	46.0	46.6	45.6	46.6	48.2	47.5	48.5	48.2	48.4	48.2	48.3	49.8	49.8	49.1	46.5	46.5	46.3	44.9	45.1	46.6
13 Q	44.8	45.6	46.0	45.9	46.3	45.5	47.6	47.1	47.0	48.7	47.0	47.6	47.7	49.2	49.0	49.1	50.4	50.8	48.3	49.0	46.6	44.2	44.7	44.2	47.1
14	44.2	44.2	44.6	45.6	47.0	46.5	45.2	46.6	46.8	46.1	46.6	47.5	48.0	48.1	48.5	50.7	50.4	49.7	49.5	44.9	46.3	44.2	44.4	44.5	46.5
15	45.5	45.4	46.5	46.6	46.6	47.5	46.6	47.4	47.0	55.2	51.4	46.6	49.7	52.2	51.5	51.3	53.2	53.3	52.3	47.4	43.8	42.7	43.7	43.2	48.2
16 Q	44.2	44.7	44.7	46.0	46.1	46.1	46.3	46.2	47.5	51.4	51.6	51.8	49.5	48.0	49.0	50.1	51.5	52.6	50.5	48.0	45.1	44.2	43.7	44.2	47.6
17 Q	44.6	44.2	44.2	45.6	46.3	49.0	48.5	45.6	47.5	47.0	48.5	49.4	48.0	49.4	51.9	53.1	51.5	55.5	53.3	51.3	48.5	45.6	43.8	43.7	49.3
18	44.1	44.5	44.5	46.7	45.7	46.1	46.1	46.5	47.0	48.6	48.5	48.9	49.0	49.6	49.5	50.9	52.0	53.9	47.5	48.3	46.1	45.3	43.8	43.7	47.3
19	44.1	44.6	44.6	45.3	45.1	46.0	46.4	46.0	46.1	46.2	46.5	47.2	47.9	48.6	49.9	51.4	52.0	53.4	50.5	48.8	46.7	45.1	44.3	43.8	47.1
20 D	43.9	44.4	44.4	44.7	45.4	45.7	46.2	46.1	47.3	47.0	46.4	50.2	48.9	49.6	49.0	53.1	53.3	69.7	43.6	44.7	57.2	54.9	45.3	52.5	48.9
21 D	43.8	50.6	48.5	38.5	41.8	22.6	59.1	65.7	56.6	61.9	40.4	45.0	64.7	64.8	53.5	39.9	49.5	57.8	54.9	53.3	48.6	45.2	39.9	41.2	49.4
22 D	37.7	46.6	40.9	50.1	49.5	47.4	50.5	49.5	46.1	46.6	47.6	49.4	46.6	46.2	46.2	46.3	45.3	49.5	45.3	41.0	43.8	45.6	48.6	46.6	46.4
23 D	48.0	46.6	45.7	46.6	46.8	47.7	48.5	48.5	47.6	54.4	58.2	44.6	98.9	78.9	51.9	36.2	56.7	47.2	62.0	66.8	53.5	57.3	53.3	40.1	53.6
24 D	41.8	44.3	38.7	44.3	43.8	38.0	57.3	44.2	48.1	48.5	50.0	51.6	49.0	48.8	49.5	53.2	54.6	54.6	53.4	50.6	51.8	51.0	43.9	39.9	47.9
25	40.9	44.8	45.7	56.2	47.6	49.6	50.7	50.5	50.0	42.9	52.3	48.6	43.3	47.1	48.6	50.5	51.5	51.5	49.1	48.6	46.7	46.1	45.6	45.2	48.1
26 Q	44.8	45.2	45.8	46.2	46.6	46.7	46.6	47.6	47.6	46.7	47.5	47.5	47.6	47.6	48.7	49.5	50.9	50.6	47.7	46.7	45.8	46.6	47.2	46.6	47.3
27	45.8	45.7	45.6	45.8	45.8	45.8	46.2	46.2	46.7	46.7	47.1	47.6	48.1	48.2	48.5	49.8	51.8	52.5	50.6	48.1	46.4	45.8	45.1	43.9	47.2
28	44.3	44.7	45.6	45.7	46.6	45.7	50.6	51.5	56.6	59.1	49.1	45.8	47.1	48.3	43.8	48.7	51.7	52.4	48.2	47.4	46.7	46.6	46.7	45.8	48.3
29																									
30																									
31																									
Mean	44.3	45.4	45.3	46.8	47.7	45.9	48.3	48.6	48.2	49.7	49.6	50.1	52.0	52.8	49.4	49.3	50.7	51.1	48.4	47.7	46.5	46.2	45.0	44.4	48.0

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 7 Meanook

z = 58,000 γ +

February 1950

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	987	982	980	983	992	1013	998	979	931	934	960	937	916	920	966	977	977	977	980	987	987	984	989	988	972
2	987	983	982	982	982	980	987	932	937	968	971	1014	859	852	782	780	822	975	1003	1003	1004	1004	998	993	949
3	993	992	991	992	997	992	1003	879	820	755	777	646	886	906	863	899	938	982	1002	1014	1029	1006	992	1002	932
4	992	991	987	987	987	991	986	972	979	970	991	987	855	823	804	859	966	960	977	986	1003	1020	1003	992	961
5	992	997	999	1035	1012	1041	1003	992	983	985	983	982	976	976	973	970	970	979	987	983	982	982	983	982	989
6	982	982	982	982	982	991	986	971	938	927	913	958	971	971	972	965	971	982	969	972	977	977	977	978	970
7	977	977	976	982	1004	1003	987	982	960	983	974	975	861	906	949	960	971	961	982	986	992	992	1025	1003	974
8	988	982	983	983	958	911	869	874	972	974	934	907	917	927	928	939	949	954	971	980	982	991	992	1004	953
9	1046	1013	982	982	993	1003	983	982	983	975	961	937	960	971	971	965	950	939	952	961	980	1007	993	983	978
10 Q	992	992	992	992	982	982	980	975	972	971	965	965	965	965	965	971	971	977	982	982	982	982	982	982	977
11	982	982	982	982	987	983	982	977	971	968	949	972	928	960	965	965	965	965	970	970	970	970	976	976	971
12	982	982	982	972	972	972	972	950	961	966	966	966	971	965	962	965	970	970	971	974	974	976	976	976	971
13 Q	976	976	976	976	977	977	973	975	971	962	961	962	956	965	965	965	965	966	971	971	971	971	971	971	970
14	971	971	982	1003	983	980	971	971	971	971	971	971	971	971	971	971	971	1003	975	976	976	972	972	971	976
15	971	970	970	966	970	971	976	971	944	945	959	944	917	949	965	961	962	961	971	971	971	972	972	979	963
16 Q	971	971	971	970	970	970	970	970	955	943	938	933	949	959	970	963	960	960	965	965	969	969	970	969	962
17 Q	969	969	969	969	969	969	949	950	958	966	965	963	949	949	954	960	960	960	961	961	961	970	970	970	962
18	970	970	970	970	970	970	970	970	960	960	960	949	949	960	961	961	961	965	971	960	960	960	960	964	963
19	961	961	961	961	961	961	960	960	960	960	960	960	961	962	960	965	965	965	959	959	961	965	970	970	962
20 D	965	965	963	964	960	960	959	965	949	955	942	950	959	959	939	931	937	978	969	873	1035	1037	1002	862	957
21 D	976	1016	874	880	756	810	1034	745	983	1016	975	907	809	949	917	938	971	991	1002	999	1005	1038	1035	1057	945
22 D	1052	1047	1035	1014	1002	1003	961	1010	947	983	985	982	971	974	974	943	970	982	985	982	982	1013	1014	1010	993
23 D	1029	1014	1004	1005	1002	986	982	973	970	938	886	562	581	755	879	790	902	901	971	1007	1057	1002	929	906	918
24 D	1014	1089	1079	1004	1035	983	852	965	991	979	970	917	982	991	998	1000	1000	1000	998	998	1017	1057	1034	1052	1000
25	1068	1026	1026	1012	1004	1002	992	987	938	894	993	971	938	955	982	986	987	986	983	983	983	986	988	991	986
26 Q	984	984	984	984	983	982	982	982	982	982	982	982	982	982	982	982	983	983	982	982	982	982	982	982	982
27	979	979	979	979	979	979	976	976	976	976	976	976	972	973	976	976	976	976	970	958	960	965	968	975	974
28	982	978	978	978	978	978	982	965	804	741	876	874	925	945	935	944	971	971	975	982	985	988	991	987	946
29																									
30																									
31																									
Mean	991	991	984	982	977	977	972	957	952	948	952	930	923	941	944	946	959	970	976	976	987	991	986	981	966

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Meanook

February 1950

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range
	12,000 γ +		12,000 γ +			24° E +		24° E +			58,000 γ +		58,000 γ +		
h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ	
1	08 41	845	08 05	779	66	08 39	63.8	08 05	41.6	22.2	05 23	1019	13 11	894	125
2	07 25	869	11 36	<u>-133</u>	1002	11 06	139.5	11 37	-14.9	154.4					
3	23 27	950	09 56	041	909	09 55	102.4	10 12	26.9	75.5					
4	06 55	871	12 39	646	225	13 10	68.0	18 51	33.7	34.3	20 06	1042	14 20	728	314
5	04 56	873	17 55	796	77	04 04	79.9	05 28	41.4	38.5	05 40	1060	16 51	965	95
6	14 05	861	08 59	774	87	06 02	57.9	14 07	40.0	17.9	06 51	1004	10 40	867	137
7	14 03	849	12 54	690	159	07 46	58.6	22 46	40.2	18.4	23 46	1051	13 10	839	212
8	05 01	877	15 14	752	125	05 00	90.7	05 39	38.3	52.4	23 59	1030	05 18	826	204
9	06 12	872	11 12	772	100	06 18	61.4	00 01	37.6	23.8	00 39	1060	11 16	915	145
10 Q	02 21	833	20 12	794	39	17 15	54.3	00 05	42.1	12.2	02 20	998	11 47	961	37
11	13 41	849	11 22	800	49	04 29	55.2	23 59	41.7	13.5	04 33	989	11 55	905	84
12	15 42	858	16 34	794	64	16 42	58.1	02 26	39.7	18.4	01 41	997	08 04	923	74
13 Q	13 00	839	19 23	785	54	17 50	53.4	23 40	43.6	<u>09.8</u>	04 14	985	12 40	955	30
14	14 31	845	18 35	771	74	16 06	53.4	20 57	39.4	14.0	03 15	1018	13 25	962	56
15	13 26	846	08 29	756	90	09 10	57.1	23 55	41.6	15.5	07 12	990	12 00	900	90
16 Q	15 09	840	21 00	794	46	11 03	54.6	00 03	42.9	11.7	00 11	992	10 51	920	72
17 Q	06 32	863	20 55	792	71	05 58	61.4	06 56	42.2	19.2	05 56	977	06 44	923	54
18	15 30	847	21 31	796	51	17 51	56.9	23 45	42.1	14.8	17 16	975	11 42	941	34
19	13 51	853	20 20	789	64	17 10	55.5	23 46	42.7	12.8	23 46	975	19 17	956	<u>19</u>
20 D	23 54	1141	19 34	387	754	17 47	98.2	19 53	-05.1	103.3	19 03	1201	23 46	737	464
21 D	04 04	1141	07 07	-04	<u>1145</u>	07 46	183.6	05 27	-17.6	<u>201.2</u>	05 56	<u>1298</u>	07 19	<u>390</u>	<u>908</u>
22 D	03 23	1057	06 52	642	415	03 10	66.4	03 22	22.5	43.9	23 57	1125	03 28	784	341
23 D	23 19	<u>1189</u>	11 46	009	1180	12 56	102.0	12 14	-43.4	145.4					
24 D	00 37	1182	06 09	570	612	05 47	102.1	03 18	-13.0	115.1					
25	00 20	867	09 51	465	402	03 34	66.7	09 14	26.0	40.7	00 20	1103	09 19	799	304
26 Q	14 18	820	00 35	788	<u>32</u>	17 10	54.4	00 31	44.3	10.1	00 34	999	17 31	971	28
27	14 29	850	21 37	788	62	17 16	53.7	23 45	40.0	13.7	23 47	998	18 44	957	41
28	09 00	912	08 50	544	368	08 54	82.2	15 00	37.2	45.0					
29															
30															
31															
Mean		910		613	297		74.7		28.3	46.4		1038		870	168
No. days		28		28	28		28		28	28		23		23	23

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 9 Meanook

H = 12 000 γ +

March 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	816	817	815	817	813	813	820	824	809	780	753	735	827	827	827	830	827	815	808	797	797	800	800	805	807	
2	808	810	812	813	804	809	806	810	742	801	812	813	820	824	824	813	811	812	805	796	798	803	812	814	807	
3	816	816	817	820	820	820	816	820	820	822	817	815	824	810	824	835	816	805	804	792	796	808	807	813	815	
4 Q	820	821	821	821	821	817	814	821	821	821	825	815	814	797	821	838	832	813	805	797	791	798	805	811	815	
5	818	818	827	824	821	822	819	820	783	758	828	831	829	817	825	833	828	821	805	797	803	807	805	808	814	
6	821	818	828	852	899	906	891	851	805	793	782	758	837	836	828	821	782	789	792	792	801	813	804	836	822	
7	852	843	838	888	1009	968	877	804	516	433	525	603	720	774	805	848	837	817	797	792	795	797	812	825	782	
8	819	809	809	813	816	820	827	812	805	817	820	819	816	823	824	831	827	804	787	781	788	797	804	811	812	
9	815	820	827	820	827	827	824	827	821	774	815	831	817	777	805	827	821	804	785	785	792	805	808	819	811	
10 Q	820	812	815	821	820	826	824	826	826	825	811	807	839	835	834	834	826	812	804	804	804	808	811	811	819	
11 Q	812	811	818	819	819	823	823	824	823	826	829	826	826	830	834	834	821	807	802	802	804	811	812	812	819	
12 Q	814	816	819	826	826	826	826	826	826	812	826	841	834	841	835	830	809	795	790	793	798	808	809	814	818	
13	815	819	821	823	826	826	824	830	828	829	829	832	824	830	824	815	803	792	787	787	787	795	799	803	815	
14	819	826	826	834	834	834	838	858	709									791	787	787	791	799	807	709		
15 D	819	841	952	1099	974	811	803	795	786	748	803	823	804	796	805	811	811	787	766	780	795	803	811	808	826	
16	812	812	818	813	819	821	819	757	779	827	819	830	830	828	826	822	811	802	786	784	798	807	812	816	812	
17	821	821	823	823	823	823	824	826	806	773	759	749	796	829	832	827	819	805	791	790	789	788	798	812	806	
18 Q	826	826	826	826	826	826	834	818	801	834	834	834	834	835	834	829	821	811	795	794	788	798	811	810	820	
19 D	816	815	819	826	834	846	865	738	717	990	1060	1060						725	857	819	812	798	790	812		
20	805	789	791	798	795	794	794	798	798	798	798	798	795	798	799	773	750	740	735	776	802	802	795	772	787	
21 D	773	788	808	817	842	805	812	804	804	563	494	487	508	498	570	625	695	749	761	808	781	790	852	812	719	
22 D	811	858	874	886	923	976	993	903	831	780	523	764	820	824	820	820	805	785	767	758	771	800	782	781	819	
23	798	797	799	805	804	805	806	813	812	774	813	817	812	804	820	811	799	788	781	792	788	788	803	807	802	
24	820	914	875	868	821	649	357	340	579	634	660	663	673	801	789	766	800	805	789	791	805	817	806	828	735	
25	829	830	846	809	828	847	794	814	805	813	814	814	813	813	806	806	789	789	789	797	795	797	797	805	810	
26	812	814	805	809	813	813	818	818	797	821	821	828	828	828	818	821	805	794	789	797	813	820	801	813		
27 D	797	852	859	820	875	875	852	797	712	439	595	734	730	806	797	774	750	766	735	758	797	836	821	816	775	
28	812	828	818	809	813	841	836	797	813	789	556	656	775	804	818	828	814	805	797	795	801	807	809	812	793	
29	813	826	824	814	828	820	819	832	827	829	642	739	839	831	852	836	825	803	802	805	801	813	813	809	810	
30	817	820	814	817	821	823	817	820	813	782	789	814	813	804	805	821	825	813	797	800	800	805	809	814	811	
31	821	823	825	827	829	829	828	572	712	828	825	680	794	813	799	664	727	782	805	797	805	828	778	797	783	
Mean	815	823	828	834	840	829	814	793	783	762	752	771	796	805	811	808	804	797	788	791	795	805	807	810	803	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Meanook

D = 24° E + . . . ' .

March 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	46.7	46.6	52.2	47.4	46.9	48.7	48.8	50.5	49.7	51.7	52.5	49.2	49.7	48.2	48.7	50.1	51.7	50.6	47.1	47.8	47.2	45.9	45.3	45.6	48.7
2	45.9	46.3	46.7	46.7	52.4	56.4	49.6	53.5	46.7	50.7	51.9	49.9	46.7	47.7	47.7	47.1	48.7	48.0	51.1	48.7	46.3	44.4	45.8	46.2	48.5
3	46.3	46.3	46.7	46.3	46.7	47.7	55.9	50.3	47.4	47.4	47.3	45.3	48.4	46.3	45.7	50.3	51.6	51.1	48.4	46.1	44.9	44.5	45.3	45.2	47.6
4 Q	45.5	45.4	46.3	46.5	46.5	46.6	49.3	50.1	48.0	47.0	46.9	45.8	44.9	43.9	48.7	52.7	54.4	52.2	50.0	47.7	44.4	44.4	44.9	44.4	47.4
5	44.9	45.5	46.6	46.3	46.3	46.7	48.5	49.0	46.1	45.5	49.6	49.0	48.4	45.3	46.9	51.6	56.1	56.4	50.9	47.7	45.3	43.0	42.9	41.9	47.5
6	41.5	40.0	39.2	38.2	41.9	47.2	46.2	49.1	48.2	50.6	48.2	45.9	49.9	50.4	53.4	55.6	52.0	51.1	45.8	45.0	45.9	43.0	41.0	39.5	46.2
7	36.2	39.1	36.3	40.7	45.3	44.9	43.9	70.8	69.3	68.8	61.5	60.2	54.2	53.5	49.7	51.8	58.4	55.9	55.9	50.6	47.2	44.8	43.9	43.6	51.1
8	42.8	45.7	45.7	46.3	46.7	47.2	51.5	52.9	51.0	50.1	47.8	47.8	49.7	49.6	52.5	55.3	57.2	56.4	51.3	47.5	43.9	42.0	42.2	41.9	48.5
9	41.9	42.8	43.3	43.9	45.9	45.9	46.5	46.7	46.7	50.7	50.3	49.6	50.6	49.3	52.2	57.0	54.7	52.2	47.7	45.3	43.0	42.9	43.9	44.5	47.4
10 Q	44.0	44.4	44.4	45.5	45.7	45.6	47.1	49.2	46.7	46.8	44.4	49.5	49.7	49.7	50.6	53.5	54.7	54.0	49.6	47.8	44.4	44.4	45.1	46.5	47.6
11 Q	46.3	45.8	45.5	45.4	45.4	45.8	45.9	46.5	47.6	47.8	48.8	48.4	48.4	49.8	52.5	53.8	54.4	55.9	50.1	49.2	43.6	40.9	40.4	42.8	47.5
12 Q	44.9	44.3	45.4	47.3	45.6	45.4	45.9	46.5	46.8	47.3	51.7	51.1	48.8	50.6	51.7	55.2	52.5	49.4	46.9	43.7	42.0	42.0	44.0	45.9	47.3
13	46.0	44.7	44.0	44.9	44.9	45.9	47.3	46.9	47.0	47.3	47.3	48.4	47.6	48.2	50.8	51.8	52.0	50.2	46.8	42.0	44.0	45.0	45.0	44.9	46.8
14	44.0	44.1	44.5	44.0	44.3	44.9	43.7	43.8	53.6									49.2	53.0	41.8	43.2	41.1	42.0	42.5	
15 D	44.9	42.7	39.2	42.1	38.3	42.9	43.0	45.8	50.0	43.9	46.8	48.2	49.7	44.9	50.1	52.6	50.7	48.8	40.7	38.3	40.1	43.5	43.7	44.9	44.8
16	44.8	45.0	45.8	45.6	44.9	60.3	46.3	38.2	51.9	49.9	48.7	49.1	49.7	50.7	51.7	52.8	49.8	48.5	48.7	47.2	44.0	44.3	44.6	45.6	47.8
17	45.6	46.4	44.9	45.6	45.9	46.9	51.2	47.2	48.6	55.6	45.9	43.6	44.9	51.3	53.3	53.0	52.7	52.2	49.4	48.9	44.1	43.1	42.1	42.0	47.7
18 Q	43.5	44.5	45.9	45.3	45.4	46.7	59.4	59.1	55.1	51.3	48.1	48.3	48.9	49.8	52.6	54.3	55.4	54.8	50.2	48.9	44.4	43.0	41.3	42.0	49.0
19 D	41.1	43.5	48.3	44.9	47.8	48.8	44.0	44.5	47.8	33.3	68.0	74.3	54.5	62.2	60.2	67.9	67.0	71.8	47.9	47.2	45.9	47.7	48.8	46.8	52.2
20	47.4	47.7	47.7	47.7	47.9	47.8	48.1	49.7	49.7	47.7	48.3	48.8	48.5	50.7	52.1	56.1	56.4	57.3	43.9	43.6	42.9	41.0	40.2	40.0	48.0
21 D	43.0	45.9	46.2	46.3	44.9	48.7	47.4	49.5	48.1	49.6	58.2	56.5	57.4	56.9	41.0	57.9	42.9	51.1	45.6	50.7	49.8	44.6	42.0	42.0	48.6
22 D	42.0	43.1	40.2	44.1	40.2	50.7	34.0	47.8	46.0	47.9	35.5	41.0	52.0	51.9	56.0	58.2	59.2	59.3	55.5	45.8	39.6	42.0	38.7	41.5	46.3
23	40.7	44.0	46.5	46.7	46.1	46.9	47.9	48.0	48.8	46.3	47.9	48.3	49.1	46.0	51.3	54.4	52.2	51.8	47.5	46.0	44.6	44.1	43.0	41.5	47.1
24	37.3	40.3	44.1	50.8	50.5	57.0	67.5	64.7	59.4	59.4	50.5	67.0	50.1	51.8	52.1	57.6	58.5	52.5	49.3	44.6	43.0	41.9	42.2	42.1	51.4
25	42.1	41.2	36.3	43.6	44.2	53.9	47.5	45.0	46.7	47.3	47.4	47.4	47.4	48.7	50.3	52.7	52.7	49.0	45.9	43.2	41.1	40.2	41.7	42.6	45.7
26	42.1	41.8	43.8	42.8	43.7	44.1	45.7	45.0	46.5	50.8	51.9	48.9	50.8	50.3	52.1	55.6	56.3	54.2	49.5	46.3	42.6	40.2	38.6	36.7	46.7
27 D	40.2	35.4	39.7	42.1	38.4	69.1	47.8	45.0	47.3	57.2	86.7	54.6	57.1	48.8	54.8	55.6	52.8	45.5	40.3	36.4	47.1	41.3	44.1	45.8	47.6
28	44.6	45.3	46.9	45.2	45.6	49.5	57.2	51.6	47.8	47.9	36.9	42.9	51.5	52.8	53.6	55.6	55.6	52.2	48.9	46.3	44.5	43.8	44.6	44.5	48.1
29	44.6	45.0	45.0	47.5	50.8	45.6	45.5	47.4	52.8	51.8	58.2	64.3	53.8	50.2	56.5	57.0	58.0	57.2	50.9	45.1	42.6	42.2	43.2	44.2	50.0
30	44.2	44.4	45.1	45.0	45.2	50.3	46.9	46.9	46.1	45.8	45.5	46.6	50.3	51.8	55.3	57.4	55.6	54.2	51.1	47.4	44.7	43.3	44.1	44.2	48.0
31	44.1	44.1	44.1	44.5	45.1	45.4	45.5	34.3	57.4	52.7	50.4	46.8	51.5	54.4	61.0	57.4	55.6	47.8	49.5	48.0	41.1	44.6	42.5	43.0	48.8
Mean	43.5	43.9	44.4	45.2	45.5	49.0	48.4	49.7	49.7	49.6	50.8	50.6	50.1	50.2	51.8	54.7	54.3	53.1	48.5	46.1	44.1	43.3	43.2	43.4	48.0

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 11 Meanook

z = 58,000 γ +

March 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	956	958	991	993	969	964	964	959	921	891	846	813	916	942	948	950	950	950	948	947	948	952	948	948	948	940
2	948	948	948	948	954	943	944	931	781	857	896	920	941	937	949	940	937	938	944	942	948	948	948	943	931	
3	949	949	949	949	949	954	944	944	943	943	933	905	927	927	927	932	936	935	927	932	940	942	943	943	938	
4 Q	943	943	946	947	950	950	950	950	944	940	944	929	910	907	920	938	943	933	942	943	943	947	945	946	940	
5	947	944	943	944	944	954	964	951	867	772	883	929	933	931	928	930	931	931	937	943	945	944	945	944	928	
6	943	958	983	1028	1072	1011	1010	980	942	927	900	866	931	943	943	936	927	921	932	933	949	954	964	970	955	
7	997	1029	1015	1066	1041	975	926	623	692	918	1044	959	867	920	973	990	974	957	955	963	963	962	962	972	948	
8	982	975	960	957	957	960	963	931	943	942	952	952	947	951	950	951	949	945	944	948	952	954	955	954	953	
9	955	959	982	986	965	965	962	964	954	966	903	943	936	904	901	932	943	937	932	943	944	949	948	954	947	
10 Q	955	954	954	954	949	954	962	971	954	944	923	872	933	943	943	943	943	943	948	948	948	948	948	948	945	
11 Q	948	948	948	948	948	948	948	948	944	943	932	932	931	936	947	948	947	943	940	937	937	940	947	947	943	
12 Q	946	948	955	956	948	948	946	946	937	893	896	938	950	957	943	937	938	940	937	941	944	952	949	947	941	
13	944	955	946	945	948	954	957	949	947	941	940	941	938	938	940	936	936	938	932	933	944	958	954	954	944	
14	948	948	946	945	946	946	959	963	964									927	932	937	941	944	944	947		
15 D	950	964	1000	975	1023	974	940	928	931	889	909	936	927	927	922	933	946	943	947	952	952	954	959	959	948	
16	954	954	954	954	955	946	943	790	840	919	942	946	954	954	944	942	943	943	944	944	944	949	951	954	936	
17	954	954	954	954	949	949	948	947	914	863	894	894	900	942	948	949	949	948	948	948	948	957	957	957	939	
18 Q	952	952	952	952	952	952	906	846	840	917	943	943	948	948	948	938	937	937	937	937	938	943	952	956	934	
19 D	955	963	970	951	951	921	933	838	978	1106	1466	1432	1453	1308	1319	1153	841	975	993	985	997	997	991	997	1061	
20	991	987	986	980	974	975	975	964	966	975	975	975	970	974	978	974	958	950	933	954	976	986	986	970	972	
21 D	964	964	975	985	1001	993	1003	986	975	954	840	710	711	711	711	817	894	920	933	987	1016	1013	1014	1002	920	
22 D	1004	1013	1018	1040	1007	847	927	970	972	982	961	916	974	970	963	964	963	959	950	958	948	959	971	979	967	
23	978	964	959	954	959	959	959	959	948	910	922	943	948	948	954	954	948	944	947	949	963	968	968	970	953	
24	980	1035	1001	1014	968	919	841	730	797	974	990	881	875	906	920	909	933	943	958	959	975	996	990	1002	937	
25	994	1002	1006	991	991	944	949	982	958	958	957	958	959	959	959	954	954	954	942	954	964	963	964	964	966	
26	964	964	965	964	964	960	954	954	954	915	938	943	943	943	943	941	937	937	935	933	935	937	940	944	946	
27 D	973	992	1040	997	986	878	970	930	895	874	820	782	867	932	932	920	921	943	943	936	964	1029	980	964	936	
28	954	970	970	964	958	974	932	910	942	920	781	775	830	888	943	958	958	958	955	955	955	954	954	950	930	
29	948				958				917		851	830	904		948	937	940	941	938	943	943	947	947	947		
30	947	954	954	952	952	943	928	944	927	852	886	900	920	921	926	929	942	944	942	942	942	942	942	942	932	
31	941	941	941	941	940	943	955	852	799	895	920	845	833	928	906	824	868	900	916	917	928	943	949	959	908	
Mean	961	967	971	972	970	950	948	916	911	923	936	920	934	941	946	942	936	942	943	947	953	960	959	960	946	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Meanook

March 1950

Day	Horizontal Intensity						Declination						Vertical Intensity									
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +			Maximum 58,000 γ +			Minimum 58,000 γ +						
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ				
1	12	40	839	11	18	679	160	02	23	62.7	11	06	36.1	26.6	02	45	1016	11	19	712	304	
2	14	54	831	08	26	684	147	05	02	65.5	08	54	41.9	23.6	04	42	960	08	36	715	245	
3	15	15	844	19	39	787	57	06	18	63.5	14	22	43.1	20.4	06	19	956	11	28	895	61	
4 Q	15	30	844	13	45	770	74	17	03	63.6	13	11	41.3	22.3	06	55	958	13	46	882	76	
5	11	28	843	09	26	709	134	17	29	57.0	09	23	38.2	18.8	06	51	971	09	30	733	238	
6	05	02	961	11	04	724	237	17	29	60.2	24	00	34.8	25.4	04	40	1090	11	05	822	268	
7	04	49	1098	09	27	371	727	08	03	99.3	07	22	57.7	157.0	07	34	1154	07	09	-408	1562	
8	07	00	851	20	56	780	71	06	56	63.8	00	27	40.7	23.1	00	34	984	07	14	911	73	
9	08	51	845	13	46	749	96	15	26	58.8	02	55	38.6	20.2	03	10	1003	09	25	821	182	
10 Q	11	56	848	11	04	770	78	16	16	55.8	10	54	37.5	18.3	06	55	980	11	16	818	162	
11 Q	13	34	843	19	25	795	48	17	48	56.6	21	53	39.5	17.1	06	59	947	12	26	926	21	
12 Q	14	05	844	18	14	787	57	15	59	58.9	20	50	41.8	17.1	02	50	959	09	58	859	100	
13	07	48	835	19	15	785	50	16	06	54.0	20	09	41.4	12.6	07	00	959	15	10	934	25	
14																						
15 D	03	33	1142	09	42	686	456	15	44	55.9	03	51	22.4	33.5	04	21	1068	10	04	835	233	
16	07	05	850	08	55	670	180	05	15	70.3	07	24	28.3	42.0	05	12	968	07	50	722	246	
17	13	10	834	11	49	699	135	09	38	61.7	11	47	38.1	23.6	06	30	979	08	29	806	173	
18 Q	06	50	882	08	30	748	134	06	54	74.0	22	22	40.9	33.1	06	00	969	08	33	807	162	
19 D																						
20	00	09	813	17	41	713	100	16	56	62.2	23	00	38.7	23.5	00	51	1001	18	50	943	58	
21 D	05	04	902	12	00	183	719	12	00	84.0	16	11	26.1	57.9								
22 D	06	06	1189	10	21	414	775	05	15	76.9	10	42	22.0	54.9	10	09	1184	05	34	710	474	
23	15	51	828	09	20	735	93	15	45	56.4	00	10	38.7	17.7	00	01	982	09	46	733	249	
24	02	22	1139	07	02	038	1101	06	23	98.4	06	04	24.3	74.1	01	32	1068	06	35	612	456	
25	05	35	900	06	27	738	162	05	33	67.6	02	27	30.1	37.5	02	59	1024	05	50	893	131	
26	12	01	838	09	26	778	60	16	05	58.6	23	18	36.5	22.1	01	20	973	09	26	894	79	
27 D	05	06	973	10	10	076	897	10	31	103.9	09	45	30.9	73.0	02	53	1055	09	56	640	415	
28	05	55	883	10	39	412	471	06	11	68.3	10	46	18.4	49.9	05	56	993	11	30	710	283	
29	08	05	903	10	46	496	407	11	03	83.0	08	38	33.8	49.2								
30	00	59	845	09	18	741	104	05	56	65.0	09	10	37.3	27.7	05	41	961	09	19	818	143	
31	13	26	875	07	25	458	417	07	51	87.6	07	17	19.6	68.0	07	26	972	08	15	722	250	
Mean			901			620	281			68.7			31.1	37.6			1005			758	247	
No. days			29			29	29			29			29	29			27			27	27	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 13 Meanook

H = 12,000 γ +

April 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	875	867	900	1080	838	928	844	676	396	567	641	720	590	609	832	836	797	801	779	775	845	908	834	825	782
2 D	856	888	878	980	905	708	699	680	604	594	527	661	810	809	843	809	736	750	778	773	801	857	906	920	782
3 D	863	911	874	872	813	837	824	788	762	795	584	599	823	812	749	718	748	754	755	768	809	941	839	851	795
4	807	834	852	906	942	811	754	648	449	659	520	480	511	644	682	732	708	732	830	818	801	809	821	838	733
5 D	839	857	906	946	722	954	840	701	626	505	311	435	359	555	545	563	638	660	747	791	825	906	1034	966	718
6	878	941	848	810	847	903	951	862	825	839	733	631	778	831	802	786	738	740	770	766	818	825	848	886	818
7	937	882	883	895	833	811	739	809	821	821	795	668	650	653	792	824	817	807	790	780	778	779	787	802	798
8	828	829	818	825	829	828	827	839	826	820	825	830	825	818	793	804	797	800	797	800	793	795	798	802	814
9	810	821	819	818	824	830	831	818	823	792	770	721	631	738	757	800	817	811	807	801	801	802	805	810	794
10	818	825	832	846	833	831	821	820	825	825	826	821	833	807	809	804	817	814	809	802	795	807	807	809	818
11 Q	811	825	839	826	818	825	830	830	834	834	833	831	808	794	810	813	811	816	818	810	800	832	792	799	818
12	817	849	839	839	875	910	853	661	849	832	797	618	775	839	840	832	824	816	805	801	794	804	813	802	812
13	812	842	872	833	826	825	826	776	791	819	819	722	763	821	834	833	833	828	814	801	794	794	795	809	812
14 Q	819	826	833	826	833	828	819	819	812	819	833	831	832	833	833	833	823	808	800	794	801	791	808	802	819
15	814	826	833	841	918	957	843	789	858	843	837	727	631	801	834	818	812	810	808	801	778	781	787	781	814
16	792	804	817	801	802	814	817	820	814	814	817	805	790	805	790	787	780	774	780	793	786	798	799	833	801
17	817	838	833	834	831	826	824	827	824	824	813	814	809	827	823	822	798	769	775	790	783	790	830	853	816
18	815	838	807	822	854	822	813	775	759	806	834	798	779	799	813	815	800	780	768	775	778	814	802	822	804
19	846	872	878	911	923	970	713	763	642	853	833	826	795	743	736	666	727	728	728	787	844	888	869	869	813
20																			766	743	759	783	815	798	
21 Q	813	808	800	808	811	816	817	817	822	819	807	806	815	823	816	807	792	783	794	794	798	806	807	814	808
22	810	813	815	815	817	814	823	823	827	845	845	831	814	861	854	845	823	814	809	813	815	820	816	822	824
23	826	835	847	841	853	859	834	843	852	843	674	776	792	823	721	799	815	818	807	806	814	813	830	854	816
24	960	1001	955	963	901	703	916	706	467	729	753	760	752	783	822	829	807	799	823	814	821	844	830	845	816
25	838	838	838	830	830	845	784	729	596	784	843	842	834	834	826	820	800	795	791	797	795	797	799	822	804
26 Q	820	847	823	828	830	838	826	830	827	822	830	830	830	838	838	831	815	808	797	796	795	799	799	807	821
27 Q	815	826	830	827	828	829	841	831	836	838	842	842	849	834	833	839	823	802	799	803	795	820	815	823	826
28	819	834	824	828	836	838	838	841	803	778	737	706	765	776	784	772	763	736	745	776	795	823	830	877	797
29	884	933	984	816	815	826	820	823	822	812	685	577	398	412	414	650	693	756	745	800	806	838	823	838	749
30 D	874	906	893						690	420	448	593	616	432	385	455	628	721	841	854	841	866	807	819	
31																									
Mean	837	854	856	860	842	842	820	784	750	783	749	732	737	769	779	789	784	782	788	794	802	824	826	835	801

DECLINATION
Mean values for periods of sixty minutes; Universal Time

Table 14 Meanook

D = 24° E + . . . '

April 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	34.2	39.6	40.5	40.5	57.2	47.7	46.8	43.0	60.4	62.3	52.2	55.3	60.2	49.8	53.7	59.8	57.5	50.8	49.2	51.7	48.2	48.4	43.2	42.1	49.8	
2 D	41.0	47.6	51.5	44.3	39.6	43.8	37.6	50.7	42.5	46.7	40.5	45.2	46.3	51.1	54.0	57.2	56.9	56.9	55.5	52.9	43.9	43.9	42.7	36.5	47.0	
3 D	38.2	36.8	44.9	49.2	42.8	46.2	46.5	49.8	54.4	50.6	46.3	50.5	45.7	48.8	51.6	53.1	44.7	50.0	54.1	48.7	47.6	50.5	39.7	36.4	46.9	
4	40.8	43.9	39.0	45.3	46.8	47.9	50.8	42.9	47.6	56.0	46.4	39.4	76.3	55.0	55.3	54.8	52.7	41.9	50.0	46.3	44.0	42.4	43.6	41.8	48.0	
5 D	39.9	46.0	46.1	50.8	58.5	45.7	49.6	54.4	70.9	67.4	48.4	76.6	55.9	68.8	59.4	52.0	43.8	46.9	52.0	48.1	44.4	52.4	50.1	41.5	52.9	
6	31.3	40.3	37.6	42.3	42.0	39.9	45.6	47.9	45.4	45.3	47.1	53.7	52.0	50.6	58.4	55.9	51.6	42.7	42.2	39.5	42.5	39.1	35.6	33.4	44.3	
7	39.5	36.4	40.3	45.3	43.9	45.7	41.4	49.4	46.0	45.5	45.4	42.8	53.0	48.9	54.4	56.2	53.3	53.6	50.5	45.7	42.4	38.5	36.7	36.7	45.5	
8	36.5	39.1	42.7	43.8	43.8	44.6	44.8	52.7	52.9	46.3	48.1	47.0	48.5	50.0	52.4	55.2	54.5	51.7	49.1	47.4	43.4	43.7	43.7	33.2	46.9	
9	43.1	42.7	44.7	45.4	45.2	46.1	47.6	43.7	49.5	45.6	49.4	52.1	48.5	57.5	51.6	50.7	52.9	51.2	47.1	44.7	43.4	42.5	41.3	41.1	47.2	
10	41.4	42.6	41.5	54.3	53.5	48.6	45.4	45.4	46.1	47.0	47.5	47.3	58.8	49.3	52.6	55.3	56.4	58.0	55.6	50.4	46.3	42.5	41.9	41.9	48.3	
11 Q	41.9	42.3	42.5	46.1	44.7	45.3	46.2	47.0	47.9	47.6	46.5	45.7	44.8	46.9	52.7	55.1	54.7	53.4	52.3	49.4	46.6	43.1	38.8	37.7	46.7	
12	37.9	36.1	41.0	42.4	39.7	44.2	64.0	57.3	49.3	47.2	47.2	49.1	59.2	51.5	55.0	55.2	57.2	56.4	53.7	49.6	45.4	42.6	42.6	42.6	48.6	
13	41.8	44.2	54.5	56.0	47.6	46.9	45.4	41.6	43.8	46.7	45.8	37.2	41.0	47.5	52.1	52.4	54.4	54.0	51.3	48.6	46.6	44.7	42.5	41.7	47.0	
14 Q	42.7	44.2	44.8	45.7	46.5	45.6	45.4	46.2	47.2	51.3	48.0	47.3	49.0	49.5	50.8	53.7	56.3	56.5	54.5	55.8	60.2	43.7	39.0	38.6	48.4	
15	40.9	41.4	43.2	43.5	50.9	44.3	51.8	52.5	50.5	46.5	46.5	48.7	48.7	55.2	57.6	59.2	57.4	54.5	49.8	46.3	43.2	40.7	40.7	40.2	48.1	
16	41.5	44.1	45.0	46.6	46.8	46.8	46.8	49.5	50.9	49.1	50.0	51.8	51.3	52.5	53.9	53.6	52.8	51.8	46.7	43.9	41.0	39.8	38.3	36.2	47.1	
17	38.9	38.9	41.3	42.6	42.9	43.7	44.3	46.5	46.1	47.5	47.0	51.6	52.7	54.3	53.6	53.9	58.7	53.1	46.2	45.7	41.4	38.5	38.9	40.3	46.2	
18	38.1	38.3	35.6	39.3	46.8	49.9	44.3	41.0	52.9	54.1	48.5	49.0	51.3	52.5	55.4	55.3	55.2	50.5	52.5	45.6	37.1	39.8	39.5	38.4	46.3	
19	38.2	41.9	35.8	34.1	42.6	48.4	42.9	43.9	48.2	47.6	46.5	47.9	50.2	55.1	56.8	54.3	50.3	55.6	37.3	35.5	43.2	43.3	42.8	42.4	45.2	
20	39.6	38.6	36.7	42.6	39.6	38.5	49.2												60.9	48.7	30.8	31.9	37.5	43.3		
21 Q	45.6	46.3	48.1	46.8	47.0	47.0	47.4	48.1	46.2	45.3	44.6	46.4	49.1	52.9	54.8	57.3	57.2	53.9	45.8	41.5	39.5	39.5	40.4	41.6	47.1	
22	44.3	45.2	45.8	46.3	46.2	46.1	45.6	45.5	45.7	45.3	46.2	48.6	50.0	55.3	57.7	58.7	59.7	57.7	52.1	45.2	41.5	40.6	39.8	39.9	47.7	
23	40.6	40.4	40.4	40.4	40.0	42.0	42.1	41.6	44.3	47.1	52.1	50.3	55.1	58.3	54.5	56.8	58.7	54.8	52.9	45.1	43.3	40.5	39.6	37.4	46.6	
24	36.6	44.2	60.6	44.3	55.4	73.2	43.7	40.3	55.6	47.6	44.3	51.1	50.4	51.0	56.8	57.8	53.9	52.9	50.5	46.7	44.2	41.4	41.9	39.9	49.4	
25	41.9	42.1	44.0	44.0	46.2	64.9	60.1	62.0	44.8	49.6	49.1	49.2	51.5	54.5	56.3	59.3	58.7	55.7	50.9	47.1	44.2	43.1	42.3	40.2	50.0	
26 Q	41.0	40.9	42.7	44.7	48.2	54.4	52.1	51.4	50.1	45.7	45.2	46.2	49.6	52.4	54.4	55.9	56.1	56.2	53.9	49.6	44.9	40.3	39.3	38.8	48.1	
27 Q	40.3	42.3	44.3	46.8	45.2	45.7	47.6	47.1	46.7	46.0	45.3	45.7	50.6	54.4	56.2	56.3	58.2	56.9	52.8	47.9	44.0	40.3	37.2	35.2	47.1	
28	36.6	39.5	42.7	43.9	47.1	49.0	43.3	47.2	54.0	55.7	55.7	54.5	57.2	55.6	57.1	51.0	52.4	50.9	42.7	39.8	40.9	39.0	38.0	38.7	47.2	
29	40.8	40.7	38.6	43.3	43.3	42.9	43.3	44.0	44.8	42.2	45.2	55.8	63.0	65.1	64.1	55.8	56.8	49.5	37.1	38.2	35.7	35.1	35.9	35.2	45.7	
30 D	39.5	38.6	39.1						50.6	42.0	46.4	62.4	62.5	72.8	72.0	64.5	66.4	61.6	44.3	50.3	43.3	42.3	42.4	40.8		
31																										
Mean	39.8	41.7	43.6	44.9	46.4	47.7	46.9	47.5	49.4	49.1	47.3	49.5	52.5	53.4	55.1	55.4	54.8	52.8	49.6	46.3	43.9	42.1	40.6	39.3	47.5	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 15 Meanook

z = 58,000 γ +

April 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	992	991	1023	940	969	1012	954	928	961	764	863	860	891	905	959	954	934	941	948	969	1037	1035	991	977	950	
2 D	980	1030	1035	1023	962	791	851	983	943	928	907	894	947	948	978	960	934	937	959	970	970	1003	1015	1013	957	
3 D	988	1034	1003	957	965	966	943	911	894	916	821	819	927	937	902	897	904	913	938	970	1003	1049	982	978	942	
4	970	985	990	1012	980	869	906	873	1009	1044	1003	794	796	669	706	781	848	906	971	970	975	980	982	978	917	
5 D	978	993	1013	924	692	947	918	903	879	774	905	913	712	738	853	827	809	879	959	991	1002	1023	1067	1034	906	
6	1035	992	1004	982	1001	930	928	956	949	948	906	839	881	936	938	940	927	937	951	969	1013	1002	1015	1039	959	
7	1035	1021	1025	1025	983	922	840	906	940	948	927	807	768	797	878	938	959	969	969	969	976	978	966	959	938	
8	968	970	965	957	957	957	957	948	948	896	949	949	949	949	938	932	936	948	950	958	957	958	959	958	951	
9	958	958	956	949	949	949	914	927	937	874	841	816	761	820	819	851	905	928	945	948	955	959	962	964	910	
10	970	983	1004	1012	960	979	960	950	950	948	948	940	948	936	935	935	938	938	938	947	946	947	949	950	955	
11 Q	947	947	957	960	955	947	947	947	937	937	937	937	921	948	894	916	926	928	936	937	947	948	950	950	940	
12	951	964	963	958	984	923	905	852	964	954	937	819	874	938	958	959	948	947	945	947	947	954	963	970	938	
13	970	980	1003	980	972	958	951	878	894	908	926	837	858	906	937	943	943	943	946	946	946	946	946	946	936	
14 Q	948	948	948	948	950	960	956	937	916	895	928	936	937	938	938	938	938	938	936	937	937	948	958	959	940	
15	959	941	940	948	928	999	885	771	937	948	937	875	785	940	937	946	937	937		927	946	948	959	954	969	
16																				927	946	948	959	954	969	
17	965	963	960	964	960	958	946	938	937	930	911	949	905	927	935	935	927	935	940	957	970	971	978	1013	949	
18	993	988	1018	1032	1002	949	933	892	857	892	926	895	880	916	928	926	934	938	956	975	959	964	948	958	944	
19	957	984	1007	1101	1073	1004	955	946	835	965	964	957	937	882	851	862	879	915	932	964	989	997	1013	1017	958	
20																			942	954	954	956	975	983		
21 Q	973	961	954	947	943	943	943	931	931	901	900	906	928	937	940	940	937	933	937	938	938	941	941	943	937	
22	940	938	937	937	938	938	935	934	938	937	933	921	895	916	920	931	932	932	931	931	932	933	932	932	931	
23	929	927	932	930	932	933	936	959	950	932	798	847	840	878	838	908	924	927	932	933	936	951	964	975	917	
24	1030	1051	1030	867	761	756	992	959	933	899	858	885	929	943	933	943	943	955	969	959	960	962	969	968	936	
25	948	948	947	949	948	914	839	846	868	879	920	942	942	941	938	936	930	930	924	930	936	943	943	952	925	
26 Q	943	952	943	943	948	937	901	905	906	905	913	929	930	937	937	935	931	932	941	938	938	938	935	936	931	
27 Q	937	937	938	937	937	937	937	937	937	937	937	937	935	937	928	927	920	921	921	921	921	927	942	948	934	
28	954	954	954	944	937	933	927	931	852	846	823	791	830	830	813	831	866	878	920	955	980	1003	1030	1043	909	
29	1032	1002	1004	996	957	957	952	943	943	924	767	789	797	859	739	817	871	941	952	982	991	991	975	979	923	
30 D	1011	993	974	941	958	958	958	958	975	1071	985	909	796	803	804	806	840	933	989	1018	1021	986	952	964	942	
31																										
Mean	974	978	981	967	947	934	929	925	925	917	905	882	878	891	894	906	914	930	946	957	966	972	972	975	936	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Meannook

April 1950

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range γ	Maximum 24°E +		Minimum 24° E +		Range '	Maximum 58,000 γ +		Minimum 58,000 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1 D	03 44	1274	08 24	315	959	02 44	141.1	08 00	24.6	116.5	20 59	1110	03 49	436	674
2 D	04 11	1111	10 18	387	724	07 18	85.3	04 31	01.0	86.3	08 33	1112	05 22	624	488
3 D	01 54	1017	11 17	237	780	11 25	98.7	11 00	27.1	71.6	21 40	1116	11 10	659	457
4	04 11	1080	10 56	287	793	12 41	102.4	10 50	14.6	87.8	08 46	1155	14 01	627	528
5 D	03 49	1219	10 44	041	1178	10 12	143.5	12 25	25.0	118.5	10 45	1110	03 55	558	552
6	06 33	1019	11 10	573	446	14 22	60.6	05 51	24.3	36.3	23 46	1066	05 45	754	312
7	00 19	980	13 14	587	393	12 37	61.8	05 52	23.2	38.6	00 05	1067	06 08	722	345
8	07 14	873	14 22	776	97	08 00	60.8	00 26	31.0	29.8	02 55	985	07 26	914	71
9	06 19	862	12 28	472	390	12 24	78.6	07 00	32.1	46.5	23 59	969	12 15	661	308
10	03 30	908	20 32	785	123	03 56	79.2	02 39	39.1	40.1	03 32	1035	14 20	928	107
11 Q	02 09	849	22 41	768	81	16 20	55.8	23 23	36.9	18.9	03 30	969	14 01	883	86
12	05 06	1084	07 13	414	670	06 52	83.8	05 39	28.8	55.0	04 35	1027	07 05	645	382
13	02 49	925	11 21	702	223	03 02	69.8	11 11	33.2	36.6	02 50	1056	11 19	819	237
14 Q	02 33	840	23 42	780	60	17 11	57.2	22 55	33.9	23.3	05 49	970	09 15	882	88
15	05 26	1049	06 34	584	465	06 43	116.4	07 10	24.5	91.9					
16	23 45	850	18 49	769	81	15 01	57.0	23 21	33.4	23.6					
17	23 31	879	18 32	753	126	16 02	61.8	21 43	37.0	24.8	23 33	1027	10 55	883	144
18	03 26	939	08 55	709	230	09 02	61.9	02 25	30.9	31.0	03 30	1046	07 50	792	254
19	07 31	1089	08 07	409	680	14 57	69.6	07 50	25.5	95.1	03 40	1142	08 08	678	464
20															
21 Q	00 05	834	17 34	773	61	15 50	58.5	21 05	38.4	20.1	00 05	987	11 05	888	99
22	14 07	870	12 28	781	89	16 50	60.6	22 10	38.5	22.1	09 14	947	12 13	886	61
23	23 56	908	10 25	579	329	10 27	66.5	07 20	31.9	34.6	07 25	992	10 31	792	200
24	01 13	1135	08 12	327	808	05 25	94.1	04 22	17.3	76.8	01 15	1116	04 22	612	504
25	05 16	885	08 15	492	393	05 14	79.3	08 21	31.1	48.2	05 09	962	07 00	791	171
26 Q	01 19	865	21 32	787	78	05 35	61.9	23 26	38.7	23.2	02 20	961	07 57	887	74
27 Q	12 39	855	20 56	778	77	17 03	58.8	23 36	34.8	24.0	23 34	959	14 35	916	43
28	23 57	912	10 47	621	291	10 54	71.9	00 01	35.6	36.3	23 55	1056	11 00	698	358
29	01 05	996	12 16	242	754	11 46	102.1	12 09	26.6	75.5	00 19	1052	14 38	688	364
30 D															
31															
Mean		968		562	406		78.5		27.3	51.2		1038		755	283
No. days		28		28	28		28		28	28		26		26	26

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 17 Meanook

H = 12,000 γ +

May 1950

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	850	843	810	812	815	819	815	817	823	824	826	825	819	827	826	788	799	795	791	791	795	795	795	816	813
2	823	832	811	810	818	818	823	819	826	834	843	842	835	804	799	733	741	727	739	725	794	888	1014	1127	826
3 D	846	908	1202	1182	1029	939	741	869	776	546	624	807	841	822	812	798	803	773	764	789	858	990	866	913	854
4	831	858	859	835	850	831	726	675	764	711	616	772	820	836	838	779	808	827	823	802	815	882	1097	817	811
5	1003	843	808	833	827	808	811	780	672	679	598	686	675	757	776	804	793	791	805	812	827	875	862	835	790
6	820	816	835	851	819	816	824	803	794	773	714	778	800	818	800	805	796	793	777	796	805	818	820	851	805
7	945	850	808	820	827	843	831	718	803	824	824	819	781	807	830	812	816	796	803	808	810	803	810	828	817
8 Q	826	819	838	842	838	827	828	835	819	827	820	820	820	827	824	804	799	799	804	810	804	812	812	812	819
9 Q	820	837	843	835	835	831	827	825											781	783	794	805	810	824	
10	839	836	844	836	836	849	848	845	840	814	819	813	797	821	828	809	786	773	767	777	793	817	872	941	825
11	864	860	845	817	821	825	843	853	790	767	673	722	719	758	804	801	817	813	793	804	811	818	826	831	803
12 Q	830	810	821	835	837	837	833	830	837	839	843	844	849	849	838	809	791	787	798	812	813	822	829	837	826
13	837	837	861	853	853	884	760	748	730	767	728	844	852	837	818	798	798	801	805	790	805	845	806	900	815
14	889	848	884	814	829	837	826	824	829	816	801	744	508	798	822	808	795	762	726	774	790	831	849	849	802
15 D	819	857	883	889	884	837	823	815	676	767	708	788	824	847	822	822	793	770	748	813	814	815	817	815	810
16																			790	794	818	835	843	865	
17	862	852	832	816	816	822	830	826	809	806	795	830	810	796	797	813	836	820	800	799	801	803	834	844	819
18 Q	865	908	845	817	818	816	823	823	830	828	827	838	839	843	842	829	823	811	795	800	802	806	808	823	827
19 Q	830	829	829	827	825	825	826	829	830	830	830	836	837	834	830	822	807	822	803	815	805	801	803	818	823
20	833	847	847	829	830	827	833	839	846	837	844	838	847	854	848	854	846	838	816	822	824	843	851	861	840
21	894	900	872	844	817	858	821	826	831	834	833	833	834	838	833	798	814	826	825	816	810	815	819	824	834
22	831	833	836	834	832	837	841	852	853	857	821	694	549	815	854	864	860	839	827	826	843	837	876	844	823
23 D	871	813	829	860	874	862	842	707	745	506	370	511	537	425	506	475	602	714	831	791	908	905	865	884	718
24	899	849	861	892	835	838	729	759	820	826	821	806	819	808	818	809	809	801	815	814	829	829	833	833	823
25	831	838	816	817	822	822	827	832	830	823	816	827	807	800	811	778	781	788	782	789	807	822	823	828	813
26	808	823	866	873	852	857	865	881	845	632	795	816	855	847	820	806	806	814	815	811	797	800	817	827	822
27 D	858	884	890	905	842	833	828	819	795	817	830	830	810	718	565	654	637	746	800	802	821	1227	1197	879	833
28 D	960	1349	1262	944	820	754	217	699	783	516	196	678	726	812	849	808	791	795	809	830	881	891	897	806	795
29	821	838	899	941	878	860	843	835	817	703	738	730	717	531	769	796	793	792	764	800	809	848	821	874	802
30	972	918	917	886	844	801	761	796	792	732	764	820	828	835	786	722	805	818	807	800	799	816	832	831	820
31	840	824	824	815	810	817	817	820	821	828	823	832	817	802	803	800	800	795	790	792	807	817	833	864	817
Mean	862	866	874	860	841	834	794	806	801	764	743	787	778	793	799	786	791	794	794	800	816	851	862	856	815

DECLINATION
Mean values for periods of sixty minutes; Universal Time

Table 18 Meanook

D E 24° E +

May 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	47.3	48.2	48.1	46.4	47.3	46.8	46.4	48.3	48.2	48.2	49.1	50.7	53.5	55.8	58.2	61.8	58.9	52.2	50.2	44.4	41.5	40.1	41.0	42.7	49.0
2	43.4	43.4	43.5	43.8	45.4	45.4	46.4	46.3	46.9	47.3	48.2	49.1	52.2	54.8	59.8	57.9	51.6	44.5	49.2	38.9	37.4	42.3	47.7	43.5	47.0
3 D	39.0	33.8	35.1	34.2	34.8	39.1	42.7	46.4	44.4	53.2	49.2	49.7	54.3	55.6	58.2	58.7	52.5	54.3	49.9	44.5	48.3	50.5	39.4	40.7	46.1
4	40.6	37.4	42.0	44.5	47.4	46.3	41.5	45.4	48.6	54.1	60.1	59.8	54.0	53.8	54.0	56.8	57.1	56.9	57.4	45.2	44.5	49.0	49.1	43.5	49.5
5	38.7	42.5	43.4	44.9	50.7	47.3	46.3	44.9	44.3	46.3	61.6	45.2	48.2	51.0	49.2	54.0	53.0	51.5	50.7	50.3	51.4	51.2	46.1	42.2	48.1
6	38.2	39.4	45.4	44.6	44.4	47.0	46.3	50.3	51.5	48.3	50.6	47.7	50.2	53.1	54.9	56.5	60.3	56.2	46.3	53.4	43.4	42.4	40.6	40.1	48.0
7	41.0	41.5	43.4	45.9	46.4	47.0	48.0	39.6	49.1	49.4	47.3	46.4	45.8	54.1	54.8	55.0	52.6	52.2	48.6	45.5	43.6	42.1	41.8	43.5	46.8
8 Q	42.9	44.0	42.2	43.8	45.8	45.1	45.1	49.9	49.6	46.6	46.2	48.0	52.4	54.4	54.9	55.0	53.8	52.2	51.4	48.5	46.0	44.5	44.6	44.4	48.0
9 Q	43.8	44.7	46.1																50.6	44.5	40.8	39.9	39.9		
10	39.2	40.4	40.5	42.7	42.5	44.0	43.5	43.3	50.7	49.2	44.9	47.2	49.1	53.9	57.8	58.7	57.4	52.0	44.3	40.5	38.5	37.1	35.6	33.8	45.3
11	34.2	36.6	38.1	40.8	40.6	43.3	45.2	50.0	53.2	53.9	60.4	56.9	58.6	62.0	57.1	57.5	57.7	51.7	45.8	40.6	37.9	35.8	37.3	37.7	47.2
12 Q	39.4	43.6	46.9	46.7	47.2	45.0	45.9	46.9	47.4	45.9	47.2	49.6	51.4	53.6	55.1	57.1	56.7	50.1	40.9	35.8	37.1	36.7	38.5	40.1	46.0
13	42.5	44.3	46.2	48.5	45.2	49.9	47.9	45.4	47.9	51.3	53.1	58.1	57.6	61.1	61.3	58.7	57.9	51.3	47.1	43.3	43.3	40.0	39.4	40.5	49.2
14	32.8	39.4	43.3	43.3	44.2	49.0	45.7	47.2	43.6	43.3	46.9	46.5	63.3	56.7	57.3	57.7	55.7	50.2	42.9	38.4	35.4	37.3	39.0	40.9	45.8
15 D	43.0	43.7	44.7	47.7	51.4	59.4	44.8	44.8	32.5	48.1	52.7	50.4	54.0	57.7	62.3	61.6	52.2	60.2	52.5	46.2	40.9	36.1	40.0	40.0	48.6
16																			45.2	41.8	42.0	41.0	39.2	40.4	
17	42.4	41.4	42.9	44.2	46.6	46.9	47.8	50.7	51.6	47.8	44.6	47.7	51.5	56.3	59.1	59.9	60.2	55.7	48.5	45.9	45.8	42.9	41.1	40.9	48.4
18 Q	41.0	48.6	45.4	46.1	46.8	45.7	45.8	46.2	45.8	45.8	46.9	49.3	50.2	53.9	56.3	58.3	56.7	53.0	45.8	41.0	39.0	39.0	40.9	41.8	47.1
19 Q	43.3	45.7	45.9	45.7	45.8	46.3	45.8	46.8	46.9	47.2	47.9	50.6	53.0	56.4	58.7	61.1	59.1	59.1	48.0	49.1	44.7	43.0	44.3	42.9	48.4
20	42.8	45.8	47.7	47.6	47.5	46.7	46.7	46.7	46.8	46.7	48.6	49.1	52.4	59.2	58.1	59.1	58.7	57.5	53.1	44.8	43.3	46.0	43.8	43.0	49.2
21	42.2	45.2	50.5	50.1	44.9	45.3	45.8	45.8	48.8	49.5	45.9	46.7	50.7	53.7	55.4	54.8	56.7	53.6	47.8	44.0	42.9	42.4	42.4	43.3	47.7
22	43.1	43.8	43.8	43.8	43.8	44.0	44.3	43.8	45.8	46.7	44.8	59.8	85.3	71.8	60.3	56.7	61.4	56.8	48.1	46.0	43.7	42.5	40.8	38.1	50.0
23 D	37.8	43.6	43.6	42.6	43.7	52.2	43.7	42.8	53.8	45.6	53.9	66.0	66.8	72.4	73.9	70.5	69.0	56.0	49.7	49.6	47.1	47.6	42.3	38.4	52.2
24	42.8	41.8	40.7	52.3	43.2	43.2	35.5	44.7	46.8	45.7	46.8	49.5	52.4	55.2	58.7	55.7	65.7	52.9	49.0	48.5	44.8	43.2	41.8	41.3	46.3
25	42.8	43.5	45.3	44.8	45.2	44.6	44.4	45.8	44.9	43.2	47.8	46.2	51.5	59.0	64.5	64.0	57.9	49.0	42.3	40.4	38.7	39.9	41.7	40.5	47.0
26	41.9	40.8	45.2	62.1	51.8	41.7	41.8	41.8	46.8	72.8	61.0	55.4	58.1	61.0	63.0	59.6	56.8	53.2	53.3	50.6	43.7	39.5	41.8	41.3	51.0
27 D	41.8	42.8	41.6	38.2	44.0	44.3	42.9	41.9	47.5	43.8	45.6	46.6	49.5	53.1	42.5	52.9	50.9	38.4	48.5	50.5	50.9	45.6	29.3	41.4	44.8
28 D	35.3	42.1	48.9	55.7	52.0	48.0	51.1	41.7	40.8	84.3	55.6	59.1	53.4	50.0	57.8	59.6	59.4	65.3	55.5	45.7	44.8	41.8	37.6	40.0	51.1
29	41.8	41.3	33.2	34.1	46.7	44.2	44.3	44.9	43.6	45.7	54.5	53.2	54.7	57.6	54.8	56.7	52.0	48.5	46.8	42.8	37.5	40.5	38.9	38.9	45.7
30	40.0	42.0	42.8	46.8	48.5	45.8	45.0	46.7	45.2	53.6	52.8	49.0	48.9	54.7	58.0	58.3	56.2	53.0	50.0	43.6	38.9	38.8	39.4	39.8	47.4
31	41.7	42.5	43.3	44.6	45.5	45.8	46.6	47.4	46.6	46.6	46.6	46.7	48.4	52.3	56.8	60.2	59.1	56.2	47.2	41.7	39.9	40.4	37.6	36.2	46.7
Mean	40.8	42.4	43.6	45.4	45.8	46.2	45.1	45.7	47.0	50.0	50.4	51.0	54.2	56.7	57.7	58.4	57.1	52.8	48.7	44.7	42.5	42.0	40.8	42.1	47.9

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 19 Meanook

z = 58,000 γ +

May 1950

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	975	972	955	948	948	948	948	948	943	943	944	945	946	947	940	927	927	926	933	936	937	943	941	944	944	
2	948	952	948	943	936	940	936	936	937	937	940	941	935	927	917	875	873	895	932	946	991	1014	1037	1043	945	
3 D	1013	1000	947	789	894	934	872	916	959	932	821	924	952	954	947	947	944	942	949	980	1011	1035	991	1025	945	
4	984	991	1002	978	987	948	828	827	830	793	745	871	920	935	951	932	921	920	943	955	978	1021	1082	1037	932	
5	957	966	949	971	970	946	938	899	769	770	749	852	834	854	887	936	949	955	964	963	960	991	983	983	916	
6	979	973	980	957	959	946	940	905	896	905	853	874	905	926	927	929	937	937	932	927	944	954	969	997	935	
7	1021	978	960	958	961	976	946	785	889	913	927	927	901	896	936	929	927	922	928	927	935	937	947	975	933	
8 Q	980	960	959	957	937	916	937	910	921	936	936	934	929	937	942	940	937	936	937	941	941	947	960	969	942	
9 Q	959	958	961																921	921	921	928	940	950		
10	958	963	969	974	972	965	954	942	900	914	916	910	888	914	932	932	933	933	931	932	938	943	959	1037	942	
11	1021	1005	1002	970	954	945	943	922	857	803	786	802	804	805	857	900	960	965	975	960	954	947	948	949	918	
12 Q	948	937	940	949	944	944	942	938	929	917	923	931	937	937	935	921	914	916	929	929	922	927	927	932	932	
13	921	932	951	979	972	894	860	881	902	900	850	913	946	936	923	914	903	904	919	923	942	985	1003	1002	927	
14	1007	997	1001	948	951	954	935	924	937	917	895	850	776	906	919	927	924	919	916	944	948	949	949	973	932	
15 D	957	958	989	992	980	903	933	914	778	849	821	905	931	947	928	918	904	907	921	986	1000	992	992	992	933	
16																			935	940	959	983	992	1002		
17	998	968	957	937	929	929	929	904	873	873	873	919	916	902	896	904	915	921	926	932	937	943	954	952	924	
18 Q	964	996	954	937	933	927	922	926	922	921	921	933	934	924	921	921	921	922	916	923	922	918	918	926	930	
19 Q	927	926	926	923	923	923	921	921	921	921	921	924	922	920	906	903	903	894	901	907	916	916	926	928	917	
20	930	928	930	928	928	928	922	922	918	905	916	926	927	920	916	916	906	910	907	916	911	926	942	965	923	
21	996	1027	1007	978	932	982	920	920	916	905	924	920	927	927	927	893	878	893	909	909	909	910	916	921	931	
22	926	922	917	916	916	916	918	918	918	920	881	758	605	832	905	931	914	917	917	916	929	927	954	954	897	
23 D	961	942	937	948	963	970	918	852	875	766	894	890	827	742	742	695	786	914	979	988	1002	1011	968	968	897	
24	991	969	970	971	959	962	886	875	916	931	926	916	935	929	936	927	927	916	917	917	917	926	942	944	936	934
25	947	946	927	926	926	924	928	924	924	917	904	846	874	883	899	900	907	909	928	914	924	933	940	948	917	
26	949	946	958	929	874	946	958	957	918	738	874	873	919	929	916	900	905	916	923	934	938	929	928	931	916	
27 D	948	980	986	1003	1000	969	942	915	899	911	931	935	927	820	895	766	804	857	924	927	973	1098	1051	1001	936	
28 D	1039						851	985	970		894	894	872	905	936	927	926	924	950	950	991	989	964	935		
29	1035	947	984	1020	978	964	937	929	928	850	743	846	810	727	882	937	928	936	942	957	948	964	963	980	922	
30	1013	991	998	965	929	903	797	904	901	827	861	880	931	940	922	852	885	915	931	933	932	934	937	947	918	
31	946	929	922	919	919	919	919	919	919	923	922	922	916	894	893	894	900	900	900	911	920	930	941	951	918	
Mean	971	964	962	950	946	940	919	908	900	883	878	895	892	897	911	902	908	918	930	937	946	960	963	970	927	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Meanook

May 1950

Day	Horizontal Intensity						Declination						Vertical Intensity									
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +			Maximum 58,000 γ +			Minimum 58,000 γ +						
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ	
1	01	10	854	15	23	778	76	15	29	66.0	22	02	39.2	26.8	01	12	982	15	24	916	66	
2	23	36	1169	19	56	703	466	14	55	63.0	19	58	27.2	35.8	22	30	1068	16	11	851	217	
3 D	02	26	<u>1362</u>	09	43	481	<u>881</u>	09	52	71.0	03	52	<u>02.5</u>	68.5	21	21	1067	03	54	<u>-27</u>	<u>1094</u>	
4	22	40	1135	10	01	550	585	10	48	75.4	07	22	26.5	48.9	22	16	1133	10	38	703	430	
5	00	07	1221	10	44	508	713	10	43	70.6	00	19	28.4	42.2	01	00	1015	10	35	688	327	
6	23	56	907	10	30	652	255	16	30	62.3	00	28	38.2	24.1	23	54	1024	08	00	798	226	
7	00	20	970	07	29	647	323	07	01	60.2	07	19	30.5	29.7	00	20	1049	08	28	700	349	
8 Q	05	08	856	17	06	792	64	07	40	55.5	05	39	39.2	<u>16.3</u>	00	10	981	07	45	882	99	
9 Q																						
10	23	51	980	18	13	765	215	08	32	60.4	23	53	32.5	27.9	23	54	1068	08	41	863	205	
11	07	30	877	10	41	619	258	11	06	68.8	00	19	22.0	46.8	00	24	1025	10	33	763	262	
12 Q	12	41	851	17	09	776	75	15	50	61.1	19	30	34.5	26.6	03	05	956	09	20	908	<u>48</u>	
13	05	42	985	08	35	677	308	05	24	68.8	06	45	37.1	31.7	23	36	1013	05	49	775	238	
14	00	36	959	12	21	351	608	12	22	72.5	00	27	30.5	42.0	02	16	1035	12	07	630	405	
15 D	03	43	941	08	43	493	448	05	23	72.7	08	24	19.5	53.2								
16																						
17	00	01	889	10	06	773	116	16	15	61.6	00	06	39.9	21.7	00	09	1023	07	55	830	193	
18 Q	01	15	956	18	02	795	161	15	33	59.5	21	15	38.5	21.0	01	15	1053	10	19	914	139	
19 Q	12	22	842	16	39	795	<u>47</u>	16	41	62.2	19	42	40.9	21.3	23	34	935	18	20	883	52	
20	23	51	879	18	00	812	67	17	17	61.6	20	15	39.9	21.7	23	45	975	09	25	896	79	
21	01	20	924	15	26	785	139	16	32	57.5	00	03	40.0	17.5	01	44	1037	15	45	865	172	
22	22	44	951	12	27	382	569	12	55	<u>114.8</u>	10	15	37.8	77.0	22	43	988	12	25	533	455	
23 D	00	30	1029	10	01	<u>200</u>	829	13	40	102.5	09	46	14.2	<u>88.3</u>								
24	03	15	935	06	39	549	386	03	44	65.8	06	35	17.9	47.9	00	19	1034	07	08	797	237	
25	01	24	881	15	52	746	135	15	46	66.5	18	46	36.2	30.3	01	25	959	11	37	839	120	
26	07	48	905	09	08	500	405	09	14	105.1	07	20	38.0	67.1	02	55	970	09	30	622	348	
27 D								22	07	104.8	17	54	29.3	75.5	21	54	<u>1218</u>	14	10	689	529	
28 D								09	16	102.7	06	30	30.2	72.5								
29	03	46	1004	13	26	421	583	10	02	73.7	13	19	34.2	39.5	03	46	1063	13	31	634	429	
30	00	48	1052	05	57	663	389	15	58	62.9	05	51	30.0	32.9	00	36	1054	06	04	688	366	
31	23	37	896	18	10	780	116	15	26	61.1	01	00	36.1	25.0	23	30	961	14	00	883	78	
Mean			970			629	341			72.1			31.4	40.7			1026			751	275	
No. days			27			27	27			29			29	29			26			26	26	26

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 21 Meanook

H = 12,000 γ +

June 1950

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	882	870	853	907	888	874	886	819	821	814	797	759	799	797	781	756	812	807	792	792	800	778	822	861	824
2	917	1015	1034	1039	1019	863	827	804	810	812	823	827	832	828	828	812	782	753	789	808	808	830	839	855	856
3	838	862	873	843	822	821	824	830	835	828	780	743	617	831	806	780	800	813	790	782	795	814	816	837	808
4	839	853	861	874	873	835	820	806	817	820	826	831	835	823	812	799	806	806	804	800	800	807	818	843	825
5	838	827	833	844	868	780	856	770	748	657	797	799	819	830	830	837	835	829							
6 D								860	680	515	529	540	548	540	818	766	818	811	813	821	821	845	875	872	
7 Q																		817	813	813	819	825	832		
8	829	832	829	825	828	829	836	837	836	829	838	844	837	830	829	838	829	810	804	801	813	861	874	928	835
9 D	928	939	1050	964	1018	885	844	813	811	763	501	579	497	776	860	856	825	794	785	800	797	852	887	947	824
10																	821	822	825	849	875	850	841		
11	870	883	828	828	832	821	826	830	816	814	805	833	844	839	830	811	788	791	794	805	814	825	833	861	826
12	861	855	841	829	818	818	830	809	752	787	810	766	775	837	837	831	809	794	787	800	805	816	820	841	814
13 Q	840	849	846	832	832	831	834	832	826	798	823	839	840	842	836	831	825	810	785	792	807	820	831	838	827
14	846	846	853	848	847	836	838	836	844	842	843	830	839	846	843	846	828	821	803	795	795	803	815	834	832
15 Q	866	841	827	824	824	834	834	834	834	826	848	841	837	846	848	840	826	810	792	794	801	811	823	838	829
16	841	845	838	835	831	832	838	838	842	846	846	841	852	862	870	869	847	834	803	824	838	820	835	838	840
17	845	865	877	870	902	870	860	849	814	831	799	813	846	854	846	831	821	800	817	811	811	824	842	834	839
18																			823	824	824	823	827	829	
19 Q	831	858	847	838	846	831	824	824	825	824	831	840	846	854	855	838	820	815	799	808	815	822	824	830	831
20 Q	831	835	839	839	835	835	839	840	840	830	839	847	852	859	853	840	845	825	804	799	799	800	823	837	833
21	847	850	846	846	840	827	833	838	838	846	848	850	846	849	853	840	831	792	824	823	831	838	858	834	839
22	845	847	850	854	846	854	857	845	846	838	822	838	852	859	823	831	831	807	803	807	813	815	828	834	835
23	838	874	893	870	824	831	831	834	831	827	827	839	834	845	832	809	798	792	768	799	791	962	1054	1035	852
24 D	962	1004	922	818	885	672	642	749	548	723	606	484	503	766	857	844	842	817	815	831	837	817	832	848	776
25	882	859	828	829	813	815	815	807	587	413	417	550	668	758	860	862	848	828	804	810	815	829	849	887	768
26	969	1069	968	842	855	864	829	806	806	806	794	765	783	831	839	839	827	811	789	788	803	807	817	819	839
27	835	837	835	831	824	825	825	827	830	835	832	836	827	827	831	828	821	820	786	796	797	806	809	845	824
28	841	830	841	839	839	843	838	830	828	821	833	847	849	851	846	836	824	811	800	790	800	796	812	818	828
29 D	838	857	849	832	842	833	831	831	837	837	849	864	869	853	816	777	747	630	741	878	919	1044	1222	1325	872
30 D	1313	1315	1285	1082	772	831	834	836	813	770	797	786	809	817	808	751	795	828	811	773	792	778	836	840	878
31																									
Mean	881	896	889	866	854	832	828	824	803	799	785	788	792	831	836	824	817	801	796	804	812	831	857	876	830

DECLINATION
Mean values for periods of sixty minutes; Universal Time

Table 22 Meanook

D = 24° E + . . . ' .

June 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	34.8	32.8	35.3	39.4	41.0	43.6	42.8	48.6	43.3	45.3	42.6	47.6	45.7	53.3	57.2	55.7	57.5	55.3	50.0	44.6	41.3	40.2	36.6	35.4	44.6	
2	34.1	30.3	35.1	35.8	47.1	40.1	42.8	45.7	44.4	45.1	44.0	44.7	47.6	51.0	54.5	57.8	58.1	47.6	41.1	44.1	41.6	41.0	40.7	39.7	43.9	
3	38.6	36.8	39.7	47.6	42.5	44.3	46.4	47.8	45.5	42.4	47.6	55.3	40.5	56.0	58.9	61.2	59.9	57.4	49.5	45.8	42.4	39.7	40.2	40.8	47.0	
4	40.8	42.1	45.6	46.6	48.2	48.5	50.1	53.6	48.3	46.8	46.6	47.6	50.2	51.6	55.9	55.6	55.9	53.1	50.0	44.4	40.1	38.9	38.2	39.7	47.3	
5	42.8	45.5	43.5	42.8	43.2							53.6	57.4	59.4	62.0	63.9	63.1	58.0								
6 D								38.7	48.0	66.1	66.8	71.4	70.3	72.0	58.9	63.3	62.8	59.4	46.4	43.4	40.1	39.1	36.8	36.4		
7 Q	34.9	38.3	40.9	42.2	42.2	42.4	42.6	44.5	44.7	44.5	42.6	42.4	45.6	48.5	49.5	50.6	49.7	48.0	48.7	44.1	50.0	37.2	37.0	37.7	43.7	
8	41.5	44.7	45.1	44.9	45.1	45.5	45.5	45.2	45.3	47.4	52.4	50.3	53.1	56.4	59.8	60.8	57.2	54.5	47.2	45.7	41.5	38.6	35.3	38.3	47.6	
9 D	29.0	28.1	37.7	36.9	39.1	50.4	41.4	42.3	41.8	45.6	28.2	50.5	56.3	65.0	59.6	60.9	62.1	54.0	45.7	44.4	36.1	34.0	36.1	43.4	44.5	
10	36.7	37.2	39.0	28.6	36.5	45.9	44.9	43.1	40.6	39.2	34.7	26.5	47.2	46.3	52.4	53.6	54.0	52.8	50.7	44.0	40.4	41.7	41.5	40.7	42.4	
11	41.7	42.5	44.2	43.6	43.6	44.4	50.6	47.3	46.5	42.4	38.6	44.4	48.2	50.5	51.5	53.9	53.8	49.4	41.9	38.6	38.0	38.8	40.8	43.3	44.9	
12	45.1	45.6	47.2	47.4	46.7	46.5	45.3	51.3	44.6	46.9	45.6	44.9	49.7	53.4	56.1	56.3	56.6	55.2	50.2	45.7	40.0	37.7	38.8	41.4	47.4	
13 Q	44.4	45.4	46.1	48.2	46.5	45.2	43.8	49.1	43.4	40.9	46.3	48.5	51.1	52.3	53.2	54.4	54.4	53.6	47.9	43.9	39.8	39.8	39.5	41.2	46.6	
14	42.4	44.0	44.4	42.9	43.8	51.2	47.6	43.8	44.0	45.7	51.1	50.2	56.1	57.7	59.0	59.2	56.3	53.2	46.5	44.1	42.1	41.4	40.6	40.6	47.8	
15 Q	42.0	46.1	47.7	47.4	45.6	45.7	45.8	46.9	46.7	44.4	49.1	48.6	51.1	53.5	54.6	54.0	53.5	52.5	47.3	46.2	43.9	41.8	40.6	40.9	47.3	
16	42.2	43.4	45.0	45.7	46.3	46.3	46.5	47.1	47.0	46.8	46.7	46.8	52.5	53.4	54.0	54.9	56.1	60.2	55.2	45.1	41.4	40.7	40.9	40.7	47.7	
17	41.7	46.5	48.6	48.2	43.4	47.7	48.4	44.4	46.3	46.1	47.2	51.3	54.5	62.3	63.8	62.8	63.5	59.6	46.5	40.6	38.8	40.9	43.3	45.3	49.2	
18	45.6																		46.5	45.0	42.9	43.2	43.4	43.4		
19 Q	43.3	44.7	47.2	48.5	46.8	45.6	44.4	46.2	46.6	47.2	48.0	49.2	51.6	53.9	55.1	53.7	52.9	52.5	46.8	46.1	42.8	41.8	41.6	41.4	47.4	
20 Q	42.3	43.5	44.7	46.2	46.6	47.2	46.2	45.5	45.6	46.2	47.7	48.5	50.3	50.4	52.0	53.9	53.3	51.5	48.8	48.3	44.3	39.9	40.8	41.3	46.8	
21	42.8	46.1	48.0	48.2	49.3	48.3	46.6	46.0	45.6	45.5	46.1	46.6	48.0	52.0	53.6	53.3	56.4	54.5	49.7	49.5	46.3	43.3	41.4	40.1	47.8	
22	42.2	45.2	46.4	46.7	45.3	42.2	44.3	44.3	43.2	43.9	43.7	49.5	52.6	57.4	59.3	58.7	56.3	54.0	51.8	41.6	38.9	37.1	36.9	37.5	46.6	
23	39.9	40.5	44.7	51.7	44.9	43.2	44.2	45.2	47.9	47.2	52.2	52.0	55.3	57.9	58.1	57.4	55.8	55.1	56.0	64.1	42.2	41.8	45.3	35.6	49.1	
24 D	34.9	29.1	35.1	39.3	36.0	42.5	39.1	39.7	55.1	51.1	52.2	56.8	66.2	56.0	59.1	61.6	60.1	57.9	50.9	44.5	42.8	37.5	36.3	39.9	46.8	
25	46.4	47.6	41.6	43.7	43.6	43.0	44.2	43.5	72.2	50.3	44.5	49.3	58.7	63.5	57.0	59.5	58.9	56.6	52.9	52.0	47.6	44.3	40.5	39.6	50.0	
26	39.7	38.1	40.6	40.5	40.8	49.7	43.3	42.4	42.5	41.6	42.5	48.5	50.3	55.3	59.4	59.5	59.3	55.1	50.3	46.9	44.3	42.5	41.5	41.8	46.5	
27	43.3	45.3	46.2	45.6	45.6	45.8	46.8	46.6	46.2	47.2	48.5	50.2	53.1	55.3	58.1	59.7	60.2	58.5	44.2	40.8	39.5	38.2	39.7	40.0	47.7	
28	43.1	45.1	43.9	43.7	42.6	41.8	43.0	42.6	44.2	47.3	48.0	49.9	52.2	56.2	59.0	59.7	59.5	57.6	51.8	45.5	42.4	40.9	39.7	38.9	47.4	
29 D	39.5	41.3	43.7	43.5	43.3	44.1	46.2	44.7	45.3	46.6	47.8	51.3	54.5	59.2	57.9	52.4	65.7	74.1	44.1	57.2	43.5	49.5	50.4	33.6	49.1	
30 D	37.3	38.9	57.9	58.9	43.0	47.1	49.6	43.3	42.4	53.3	49.1	50.8	53.9	57.0	61.6	61.3	57.9	62.9	57.0	49.0	43.7	40.7	44.2	40.7	50.0	
31																										
Mean	40.2	41.1	43.8	44.4	43.8	45.5	45.3	45.6	46.3	45.8	45.7	48.2	51.7	55.0	56.7	57.0	57.2	55.4	49.0	46.2	42.1	40.4	40.3	39.8	46.9	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 23 Meanook

z = 58,000 γ +

June 1950

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	970	983	996	1011	1001	970	958	893	915	904	883	847	861	869	863	842	862	878	902	910	922	922	933	964	919	
2	1007	1028	1030	1056	954	943	935	916	906	915	917	920	928	928	931	931	919	910	905	920	932	947	975	969	947	
3	948	958	973	954	915	905	915	919	919	913	820	808	751	896	889	875	919	928	931	927	938	956	965	955	912	
4	937	948	970	991	974	937	916	862	904	910	911	926	923	911	902	891	896	896	905	901	910	913	903	916	919	
5	937	948	937	937							839	838	851	879	906	905	905	908	905							
6 D								980	1024	1078	840	937	964	851	878	902	910	905	916	916	932	957	948			
7 Q																			905	905	906	916	916	916		
8	906	906	906	915	915	915	915	915	913	882	873	900	895	883	885	889	894	916	895	900	910	943	964	997	910	
9 D	1020	1041	988	1007	970	889	937	914	892	863	781	777	794	857	905	924	916	909	916	921	934	943	986	997	920	
10																			941	946	969	986	980	969		
11	971	969	951	943	927	915	901	890	902	883	841	889	905	910	914	910	914	909	914	916	916	911	907	927	914	
12	944	944	937	937	921	918	906	869	835	847	881	841	830	894	927	927	917	913	916	916	927	932	927	934	906	
13 Q	924	926	930	929	926	918	915	907	911	875	896	906	906	914	905	906	910	915	900	905	905	910	911	921	911	
14	932	934	935	940	949	933	906	915	915	894	904	904	904	905	899	903	905	907	904	900	905	905	910	910	913	
15 Q	921	918	911	910	905	905	905	905	905	873	885	890	883	885	894	894	894	885	879	880	885	895	903	906	896	
16	906	905	905	904	904	904	904	904	904	903	896	893	894	895	900	895	889	874	867	873	873	878	904	910	895	
17	905	911	922	928	957	926	936	924	885	892	852	874	914	895	885	885	883	881	890	894	889	892	914	924	902	
18																			891	894	892	894	905	913		
19 Q	905	913	915	917	907	906	910	905	894	889	893	902	904	904	904	905	894	889	879	879	883	893	900	904	900	
20 Q	905	904	904	905	905	904	902	894	874	882	889	894	902	901	889	883	880	873	878	889	889	890	900	900	893	
21	904	905	905	906	914	905	902	899	895	895	893	895	893	903	904	895	881	869	864	871	876	892	914	916	896	
22	922	918	914	919	919	919	927	911	896	894	886	881	892	903	883	881	883	881	881	886	888	890	896	906	899	
23	905	922	950	955	916	907	903	901	896	890	876	899	895	897	892	875	864	862	866	879	903	1028	989	970	910	
24 D	968	970	970	935	940		937	1000	996	886	901	1009		907	935	927	918	916	907	914	911	903	897	916		
25	959	959	933	938	916	903	896	896	808	885	896	797	810	804	899	927	916	907	905	914	935	965	961	959	904	
26	994	1056	1006	968	976	950	941	914	903	905	899	812	840	889	910	911	901	897	899	903	911	918	918	914	922	
27	913	905	903	902	902	902	899	899	901	903	903	903	895	892	883	881	882	881	877	877	881	895	905	916	896	
28	920	920	920	920	930	922	914	905	899	890	890	904	908	905	903	902	894	891	889	889	895	885	883	900	903	
29 D	895	905	905			906	906	903	896	896	894	893	895	879	840	824	836	841	927	980	1002	1042	976	840		
30 D	916	903	738			919	892	905	883	819	887	883	895	916	910	879	894	913	927	927	928	920	937	943		
31																										
Mean	937	944	941	943	932	918	916	903	895	890	880	875	878	893	899	897	896	894	894	897	905	918	925	932	908	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Meanook

June 1950

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +			Maximum 58,000 γ +			Minimum 58,000 γ +					
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ			
1	03	40	947	15	15	718	229	16	13	61.0	06	10	30.1	30.9	03	44	1035	11	15	819	216
2	04	12	1172	16	55	743	429	16	05	60.1	03	45	06.8	53.3	03	49	1113	08	53	896	217
3	02	55	906	12	23	492	414	16	03	67.1	12	25	24.6	42.5	02	59	1013	12	21	645	368
4	04	12	907	15	23	781	126	16	26	59.6	21	50	36.0	23.6	04	13	1034	07	31	841	193
5																					
6 D																					
7 Q								16	43	54.9	00	39	33.0	21.9							
8	23	11	971	20	14	795	176	15	36	63.1	22	24	33.1	30.0	23	59	1023	09	52	852	171
9 D	02	34	1133	12	50	396	737	12	10	94.1	10	39	14.3	79.8	01	08	1076	12	41	701	375
10								15	24	59.6	11	30	13.9	45.7							
11	01	05	897	16	44	782	115	17	04	55.9	10	32	36.0	19.9	00	52	1037	10	11	827	210
12	00	16	890	08	21	729	161	15	06	58.9	08	25	35.5	23.4	00	14	960	08	02	777	183
13 Q	01	25	859	09	50	776	83	17	10	55.3	09	49	39.0	16.3	02	56	940	09	46	837	103
14	02	34	862	19	58	783	79	15	41	60.2	14	01	37.0	23.2	05	59	958	10	06	875	83
15 Q	00	41	877	19	08	782	95	15	10	55.3	23	03	39.7	15.6	00	42	931	09	31	861	70
16	14	55	878	18	50	798	80	17	45	64.0	20	55	38.4	25.6	23	59	918	18	49	850	68
17	04	49	938	10	51	745	193	16	20	66.9	05	00	28.4	38.5	04	35	1004	10	52	811	193
18																					
19 Q	01	25	870	18	56	796	74	15	56	56.0	23	35	40.6	15.4	02	56	935	19	11	874	61
20 Q	13	45	862	21	02	790	72	15	15	55.9	21	51	38.5	17.4	13	47	916	18	59	873	43
21	22	36	889	17	31	777	112	17	02	59.6	22	40	37.3	22.3	22	37	928	17	46	860	68
22	13	49	869	18	53	782	87	15	00	64.8	22	50	34.9	29.9	06	41	947	11	55	852	95
23	23	30	1138	19	05	746	392	19	10	78.9	23	55	29.1	49.8							
24 D	02	44	1138	11	50	326	812	09	07	95.2	05	59	11.3	83.9							
25	23	59	941	10	29	297	644	10	22	104.2	10	00	18.2	86.0	09	50	1146	09	06	676	470
26	01	40	1163	11	46	730	433	16	40	60.8	01	47	28.3	32.5	01	34	1098	11	39	766	332
27	23	16	860	17	54	781	79	15	32	61.9	21	45	37.7	24.2	23	14	926	20	00	873	53
28	05	38	859	21	22	781	78	16	01	60.7	05	50	35.8	24.9	04	47	938	09	52	872	66
29 D	23	17	1426	17	41	531	895	17	05	82.6	23	35	28.8	53.8							
30 D	01	43	1552	04	46	379	1173	02	17	95.5	04	32	-38.2	133.7							
31																					
Mean			992			681	311			67.1			27.7	39.4			994			821	173
No. days			25			25	25			27			27	27			21			21	21

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 25 Meanook

H = 12,000 γ +

July 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	788	841	865	807	809	808	808	811	806	818	818	808	762	817	830	817	809	814	803	800	795	806	778	804	809	
2	840	852	842	848	896	869	834	828	821	820	817	812	813	826	826	826	817	796	801	796	805	795	795	807	824	
3	819	836	831	829	822	824	826	832	833	833	829	809	753	833	856	833	840	836	801	786	803	856	1000	1133	844	
4 D	1194	1197	1044	1007	1020	879	856	836	768	841	841	821	821	819	803	747	778	778	797	766	801	809	860	860	873	
5	925	930	926	856	803	804	803	805	806	808	811	776	588	751	837	833	828	792	831	826	847	822	805	817	818	
6	842	854	867	841	826	834	827	769	749	696	751	819	802	836	825	837	825	822	823	820	806	813	801	808	812	
7	834	857	833	845	850	851	833	824	818	798	811	823	820	810	819	826	817	798	798	813	812	820	847	837	825	
8	833	856	824	819	821	825	822	800	826	817	809	834	836	816	797	794	808	809	798	797	801	801	801	807	815	
9	844	858	863	849	844	872	766	801	808	795	815	828	834	826	811	816	833	831	805	806	803	812	804	818	823	
10	840	838	839	825	820	822	833	833	820	696	627	779	728	759	798	793	823	840	829	820	823	836	860	832	805	
11 D	886	840	836	840	834	831	832	833	837	842	818	846	847	833	724	797	790	773	786	823	856	946	1174	1152	857	
12 D	1262	1238	1074	985	567	774	838	744	648	427	427	534	527	601	639	834	834	817	829	813	815	820	862	870	782	
13	881	856	916	893	838	836	795	820	840	571	544	805	724	602	773	802	802	795	803	813	803	811	817	837	791	
14	822	840	840	820	829	840	819	727	694	811	823	829	829	848	845	844	820	803	803	796	802	821	815	859	816	
15	837	836	865	864	836	839	833	796	778	780	783	806	847	853	836	834	825	825	813	800	825	826	838	847	826	
16	858	834	833	825	840	840	830	830	826	666	567	760	840	847	856	840	832	816	805	805	801	799	809	839	808	
17 Q	826	840	856	832	830	832	829	809	812	787	818	820	833	844	861	868	860	827	825	802	789	790	805	829	826	
18 Q	856	848	844	840	840	836	833	833	839	829	829	838	840	837	839	836	851	833	816	805	795	796	815	831	832	
19 Q	834	845	831	829	832	825	826	826	830	834	834	837	838	843	845	842	839	826	814	802	811	815	829	844	830	
20	842	842	848	848	848	848	848	848	844	844	855	844	844	840	835	833	819	801	809	809	802	812	833	840	835	
21	847	847	840	842	846	841	844	844	840	831	818	826	826	847	847	848	841	831	809	801	794	803	817	800	830	
22	857	847	864	844	864	856	835	835	814	805	825	840	834	833	838	837	820	802	787	787	794	812	825	826	828	
23 Q	841	838	829	834	833	833	826	833	832	829	823	823	825	832	832	832	834	796	801	800	801	805	815	824	824	
24 D	828	841	851	860	882	943	693	853	897	861	560	748	849	853	845	834	814	803	702	836	884	975	1196	1284	862	
25 D	1248	1320	1341	1107	995	779	531	1311	600	572	662	674	588	504	217	818	818	819	849	843	848	834	836	809	830	
26 Q	817	818	824	809	811	816	819	826	815	805	807	811	835	846	838	846	842	827	811	803	801	794	818	825	819	
27	831	821	819	820	822	827	830	796	792	775	633	684	574	754	833	842	831	814	792	785	792	790	803	828	787	
28	866	910	913	931	869	821	816	822	827	828	827	831	838	840	839	834	818	797	794	788	786	797	795	827	834	
29	835	828	850	819	825	826	831	838	842	841	826	792	844	850	842	826	824	807	785	787	788	786	819	835	823	
30	799	828	851	836	825	826	826	827	828	835	806	661	820	850	843	835	810	796	778	789	803	810	1136	813	826	
31	829	836	872	846	835	827	824	825	831	836	836	836	840	842	828	843	798	768	776	782	811	821	811	826	824	
Mean	879	886	882	860	839	835	812	833	804	778	763	792	787	803	802	827	823	809	802	803	810	820	859	863	824	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Meanook

D = 24° E + . . . '

July 1950

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	41.5	39.3	45.1	44.2	45.1	45.7	44.2	47.2	51.1	48.2	44.6	46.9	47.3	51.1	55.9	61.8	60.0	57.6	54.2	49.3	44.1	41.0	38.8	39.6	47.7
2	40.5	41.6	43.2	40.9	42.5	52.7	46.0	46.3	45.4	47.5	47.6	51.0	53.0	55.0	57.8	57.8	57.8	55.9	48.9	45.3	42.2	40.4	38.6	38.4	47.3
3	39.6	41.8	43.6	45.4	44.2	44.2	44.2	44.1	45.4	44.5	43.8	45.2	53.0	58.6	60.8	64.3	60.9	57.1	53.0	49.8	53.0	47.7	47.2	39.0	48.8
4 D	25.9	25.4	20.6	32.7	37.4	38.4	41.8	26.4	30.2	31.0	32.9	44.8	37.1	39.4	41.9	44.6	43.9	41.2	48.9	43.4	40.7	39.7	39.3	39.5	37.0
5	41.0	34.0	38.1	41.0	42.7	45.4	45.4	45.5	44.2	44.4	45.0	43.2	45.2	49.7	56.7	61.0	60.3	58.2	53.0	47.9	44.4	44.9	43.6	41.6	46.5
6	42.5	39.6	44.2	42.9	43.4	44.4	43.1	42.5	50.2	50.2	43.4	45.2	52.8	56.1	57.4	59.3	59.2	53.3	47.7	46.1	42.0	40.0	40.0	39.1	46.9
7	40.1	39.4	44.4	40.7	42.6	48.6	46.7	44.4	44.4	45.8	47.9	48.5	49.8	49.9	48.2	53.0	54.9	54.3	47.2	43.2	37.7	37.5	38.2	39.2	45.3
8	41.0	42.9	42.5	43.5	43.2	46.3	45.4	47.3	46.3	43.2	41.5	45.4	48.6	52.1	51.9	52.8	53.0	53.8	46.1	42.6	39.6	40.5	40.6	40.7	45.4
9	40.8	45.4	47.0	45.2	43.5	61.8	49.4	47.8	49.6	47.3	51.6	50.9	52.4	54.4	57.8	60.2	59.8	55.7	47.8	46.8	46.5	44.6	42.3	41.3	49.6
10	41.8	42.9	44.9	45.6	45.4	45.4	46.3	52.8	52.2	50.6	58.3	48.0	41.7	50.2	57.8	62.6	60.1	57.2	51.7	44.7	41.7	39.6	41.8	42.5	48.6
11 D	45.4	47.3	45.2	44.2	44.8	45.4	45.2	45.1	45.3	43.1	48.3	48.8	50.3	52.2	60.9	60.5	58.8	57.6	50.3	44.1	42.5	48.5	54.9	48.7	49.0
12 D								50.3	51.9	56.0		63.7	58.1	72.0	67.7	64.9	67.3	62.0	50.1	46.2	44.3	43.7	44.5	42.8	
13	39.4	37.4	49.0	52.9	46.3	46.7	52.6	42.4	41.9	44.9	53.4	43.1	49.0	50.1	53.8	51.1	51.5	49.0	53.8	48.6	48.1	42.8	41.5	42.8	47.2
14	41.7	43.3	46.2	46.6	48.5	51.0	45.3	47.8	47.3	46.7	45.2	45.7	50.3	54.4	56.3	58.9	58.9	55.3	54.9	46.2	42.6	41.4	41.8	42.5	48.2
15	41.2	42.7	46.6	55.3	46.6	47.8	61.0	49.5	47.5	46.1	46.1	46.3	52.0	54.7	56.8	58.1	55.1	53.1	47.8	45.6	42.6	41.3	41.3	42.3	48.6
16	43.7	46.6	46.4	46.4	47.5	51.6	48.3	46.7	44.8	26.5	22.3	50.7	50.4	55.3	57.8	55.1	53.6	51.9	49.1	45.2	42.7	41.7	41.8	41.8	46.2
17 Q	44.2	47.8	49.3	45.2	45.2	45.5	46.2	45.6	47.7	51.1	48.9	45.7	51.0	58.2	59.9	59.9	60.6	59.1	49.1	45.9	41.6	40.5	40.5	39.2	48.7
18 Q	42.1	45.5	50.3	47.5	47.1	46.4	49.3	50.3	45.5	42.6	44.5	49.3	50.4	54.6	59.9	57.9	58.9	58.4	55.1	50.3	47.5	42.9	40.9	41.3	49.1
19 Q	44.3	43.0	44.8	45.4	46.4	46.2	46.3	47.0	46.4	45.5	45.3	47.4	50.2	53.4	57.4	58.2	58.1	57.9	50.9	50.9	46.3	43.4	41.4	38.6	48.1
20	44.7	43.7	45.3	45.4	45.5	45.8	46.7	47.6	46.9	45.8	45.6	47.3	50.3	53.5	57.6	50.4	58.6	57.0	47.7	45.9	40.5	37.5	37.9	38.2	47.0
21	38.7	40.2	42.6	44.5	43.5	43.5	44.0	43.0	43.5	41.7	47.1	45.5	50.4	53.1	56.4	57.1	56.9	58.9	55.4	49.6	46.0	45.3	45.5	44.2	47.4
22	40.0	40.5	40.7	43.7	43.5	45.2	49.4	46.2	42.6	52.0	48.4	49.3	51.7	52.9	55.1	57.0	58.9	53.5	47.4	44.5	41.6	40.6	40.4	40.7	46.9
23 Q	41.6	43.5	43.6	43.5	43.5	45.9	45.9	43.7	43.8	46.3	45.7	47.2	49.5	52.0	54.5	54.9	56.1	52.4	47.6	44.0	41.6	40.3	40.2	40.7	46.2
24 D	42.5	42.8	41.0	43.6	41.2	71.5	46.2	42.8	45.1	46.8	63.3	68.6	57.9	57.2	59.8	60.6	61.7	58.2	56.0	48.9	45.6	48.9	48.9	54.3	52.2
25 D	43.6	39.3	30.8	-8.6	20.1	33.6	35.1	39.7	55.2	55.2	56.6	58.0	62.8	63.9	64.8	55.4	58.0	58.7	49.4	50.4	49.5	49.5	49.4	47.5	46.6
26 Q	46.8	46.8	47.4	46.7	46.5	46.3	46.5	48.3	46.7	48.4	47.0	47.2	51.8	56.3	56.0	55.4	52.8	50.5	47.0	43.6	42.1	39.9	41.9	44.6	47.8
27	46.5	46.8	46.3	45.2	46.4	50.9	43.4	44.1	47.9	47.8	43.2	52.0	66.8	55.6	61.2	60.7	57.8	51.9	44.0	41.6	38.5	38.0	37.0	36.7	47.9
28	37.5	41.6	38.5	42.3	42.9	40.2	41.7	42.5	44.1	45.2	46.7	48.0	50.2	53.9	59.3	61.9	62.4	57.1	47.4	43.5	40.8	39.5	40.0	40.3	46.1
29	44.8	44.8	41.5	43.1	42.0	42.5	43.9	47.3	46.1	44.7	44.1	43.8	51.2	55.2	58.2	61.5	59.0	57.3	51.3	46.9	41.5	40.6	35.3	36.1	46.8
30	41.3	42.9	43.4	49.5	44.7	44.6	44.4	44.8	45.6	46.5	44.8	44.1	54.7	54.4	58.2	57.9	59.0	54.6	48.2	44.7	40.7	38.2	36.8	38.6	46.8
31	40.8	42.4	43.1	48.5	44.0	43.9	44.3	43.7	45.4	45.7	46.3	47.9	57.5	54.7	58.5	57.1	58.5	50.5	39.8	40.3	39.9	40.0	36.5	34.2	46.0
Mean	41.5	42.0	43.2	43.1	43.5	46.9	45.9	45.1	45.9	45.5	46.3	48.2	51.1	53.7	57.0	57.6	57.5	54.9	49.7	46.0	43.1	41.9	41.5	41.1	47.2

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 27 Meanook

$z = 58,000 \gamma +$

July 1950

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	933	934	954	916	910	900	897	905	862	853	879	874	857	894	910	905	894	894	897	893	904	916	924	929	901
2	929	934	937	960	960	875	896	917	908	906	903	901	891	894	901	901	896	886	876	881	886	887	891	895	905
3	901	907	911	914	904	901	899	899	892	887	881	864	786	849	896	895	882	880	879	890	907	940	1056	1034	902
4 D	943	819	964	929	806	799	937	933	872	892	905	906	905	902	903	724	743	743	892	891	906	907	929	946	879
5	970	984			935	927	913	905	911	908	905	864	761	808	886	911	911	896	906	903	906	923	922	927	
6	931	937	957	947	948	938	904	817	822	816	800	852	868	905	899	907	904	905	892	894	895	895	894	897	893
7	916	926	931	924	929	918	895	894	885	851	861	886	886	887	893	895	897	895	897	899	902	916	947	952	903
8	940	937	908	895	901	907	883	849	879	875	832	872	895	866	877	882	891	894	890	892	891	894	897	904	890
9	924	941	949	949	945	926	783	865	871	859	863	883	904	892	862	850	874	883	881	883	892	904	914	927	893
10	928	916	914	907	901	894	902	891	823	758	814	800	783	817	839	820	852	883	883	887	890	897	914	923	868
11 D	950	954	911	900	897	895	894	892	893	886	799	851	888	874	786	831	855	864	876	933	973	1012	1015	989	901
12 D	950	895		889		867	917	822	935			811	797	701	748	860	892	879	892	913	915	915	922	956	
13																			903	904	914	922	919	934	
14	927	927	918	910	914	918	881	754	646	795	871	894	902	911	894	900	894	891	890	890	896	915	929	961	884
15	954	927	937	937	928	935	874	805	832	803	797	849	907	918	903	886	876	874	881	882	901	905	916	929	890
16	942	940	930	914	916	929	892	902	890	673	662	793	862	897	906	895	887	885	883	883	888	887	895	915	878
17 Q	900	824	936	902	897	902	900	795	817	797	851	873	887	895	900	892	881	878	892	892	885	885	889	894	878
18 Q	916	921	927	917	920	916	894	867	873	873	862	881	895	889	873	867	873	883	888	887	890	892	896	920	892
19 Q	930	929	915	903	902	896	895	894	890	892	889	892	904	885	892	892	892	882	876	875	881	883	900	900	895
20																			883	878	873	873	883	894	
21	916	921	910	901	895	894	892	883	883	851	813	819	830	868	875	878	878	873	873	873	878	889	905	905	879
22	927	932	948	959	948	916	894	883	867	808	851	878	889	894	900	894	892	893	886	889	893	905	915	916	899
23 Q	915	915	910	907	894	883	889	889	888	888	888	891	893	894	895	893	888	880	875	875	880	883	886	891	
24 D	889	894	893	894	910	819	727	954	868	894	765	840	896	894	900	895	883	879	894	927	988	1045	1051	1013	900
25 D					975				943		927	905	943		886	862	905	883	904	921	921	918	914	903	
26 Q	903	903	904	902	902	902	905	906	886	859	866	872	882	895	897	896	896	897	894	903	911	904	910	905	896
27	904	901	896	896	903	903	896	886	868	842	751	738	802	838	865	875	875	875	873	878	885	892	895	907	868
28	909	989	1002	1035	961	915	892	889	889	893	893	896	904	901	894	892	883	874	876	876	874	889	889	905	909
29	919	904	914	905	899	892	900	892	878	890	891	826	883	895	892	885	878	873	877	879	885	894	914	928	891
30	915	908	927	936	910	894	890	889	887	883	863	701	840	882	883	886	885	886	887	891	893	895	889	883	883
31	888	890	919	972	948	917	894	886	887	886	887	888	886	885	881	880	878	879	866	863	878	891	889	890	893
Mean	921	917	928	924	914	900	885	878	864	850	844	855	874	886	885	878	878	878	884	889	898	908	921	925	891

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Meanook

July 1950

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	
1	02 11	891	12 30	730	161	16 03	63.6	22 46	36.9	26.7	02 27	998	12 31	818	180
2	05 14	973	05 58	769	204	05 40	67.5	22 50	37.6	29.9	04 09	993	05 46	742	251
3	23 41	1202	12 31	719	483	15 51	67.4	23 25	29.4	38.0	22 36	1097	12 34	744	353
4 D	01 40	1281	15 29	741	540	16 20	59.3	02 55	24.8	34.5	03 11	1015	05 06	642	373
5															
6	00 29	895	09 34	641	254	16 29	65.5	07 08	34.3	31.2	02 30	979	10 24	767	212
7	01 23	879	17 36	774	105	16 00	59.7	21 13	35.0	24.7	23 48	972	09 41	810	162
8	01 35	871	07 17	778	93	16 45	55.1	20 56	38.0	<u>17.1</u>	01 06	958	10 33	812	146
9	05 30	939	06 35	716	223	05 40	85.7	07 00	39.6	46.1	05 30	989	06 26	698	291
10	22 51	879	10 13	521	358	15 05	65.9	12 12	33.9	32.0	23 04	937	12 45	722	215
11 D	22 14	1238	14 19	631	607	14 27	68.3	09 56	37.0	31.3	22 05	1044	14 29	710	334
12 D	01 14	1309	10 15	<u>-205</u>	<u>1514</u>										
13	02 47	941	10 15	324	617										
14	23 50	895	08 04	599	296										
15	00 09	891	08 45	721	170						00 11	972	07 21	731	241
16	00 40	910	09 43	506	404	11 13	60.1	10 10	<u>12.1</u>	48.0					
17 Q	15 56	869	07 41	762	107	16 15	61.9	08 04	37.9	24.0	01 44	947	07 41	733	214
18 Q	00 09	865	21 20	787	78	14 29	61.7	00 02	39.5	22.2	02 21	940	10 02	852	88
19 Q	15 00	855	19 17	795	60	16 20	61.8	23 00	38.0	23.8	23 14	942	19 17	872	<u>70</u>
20	02 17	864	20 20	778	86	17 01	59.1	21 40	36.9	22.2					
21	01 44	853	20 26	771	82	17 11	60.7	00 20	37.7	23.0	00 58	928	10 16	795	133
22	04 45	892	08 57	768	124	15 51	62.1	09 14	38.7	23.4	03 37	976	09 19	764	212
23 Q	00 45	843	17 40	794	<u>49</u>	16 14	59.1	00 46	38.3	20.8					
24 D	23 43	1345	10 30	359	986	11 04	<u>88.9</u>	07 26	27.7	61.2	22 13	<u>1098</u>	06 40	<u>615</u>	<u>483</u>
25 D	02 20	<u>1418</u>	06 40	<u>-77</u>	<u>1495</u>										
26 Q	13 40	840	20 58	772	68	15 01	57.4	21 05	39.8	17.6	07 34	916	09 38	842	74
27	23 55	857	18 37	359	498	12 30	84.9	10 56	14.8	<u>70.1</u>	23 30	926	10 55	655	271
28	03 40	963	20 06	778	185	16 06	63.7	00 01	35.3	28.4	03 45	1070	17 59	872	198
29	23 36	881	11 13	750	131	15 45	62.4	11 16	35.0	27.4	23 38	947	11 20	767	180
30	02 43	875	11 10	568	307	16 14	63.8	21 40	35.9	27.9	03 06	969	11 38	646	323
31	03 20	906	17 40	760	146	14 54	64.0	22 59	31.3	32.7	03 37	1009	19 35	860	149
Mean		971		623	348		65.2		33.8	31.4		984		760	224
No. days		30		30	30		25		25	25		23		23	23

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 29 Meanook

H = 12,000 γ +

August 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	859	882	882	860	858	847	861	831	808	831	838	831	824	847	827	842	819	794	811	778	784	791	813	838	832
2	823	873	913	845	838	840	830	833	829	825	837	829	785	775	780	808	819	803	759	778	788	829	849	817	821
3	860	855	868	842	622	884	864	902	768	672	602	755	778	772	785	796	777	772	807	813	813	827	853	835	797
4	847	847	863	847	847	847	821	800	807	792	831	822	843	842	824	813	822	822	799	800	814	805	822	833	825
5	837	838	836	830	823	824	830	830	837	830	834	838	834	829	848	834	818	806	798	798	805	810	810	844	826
6	857	884	888	828	823	825	821	829	832	834	837	840	846	853	845	838	830	815	897	802	802	807	819	839	837
7 D	876	892	928	897	837	846	846	820	757	817	837	880	858	863	880	863	861	861	798	821	768	862	1079	1397	881
8 D	1110	971	1064	979	823	536	603	595	262	696	790	823	834	845	827	813	815	810	809	802	795	803	809	831	794
9	859	859	830	830	841	826	721	365	383	398	345	343	398	590	581	872	793	826	806	806	848	850	891	916	699
10 D	845	845	830	885	879	884	862	791	791	604	447	745	544	522	670	607	745	787	783	776	848	834	861	869	762
11	830	863	919	892	947	818	529	689	779	553	502	270	650	697	665	697	743	791	791	818	829	830	864	872	743
12	894	857	921	868	846	824	801	665	381	689	615	603	667	806	834	813	788	823	789	775	779	795	821	830	770
13	823	834	835	845	838	826	783	782	814	829	633	756	845	845	828	837	815	787	802	813	800	811	845	845	811
14	820	842	829	840	827	840	840	820	806	581	550	816	777	423	749	793	820	820	815	806	799	822	821	834	779
15	856	881	854	900	827	831	865	818	804	677	709	775	752	743	813	837	823	818	811	820	829	838	845	849	816
16 Q	845	848	858	852	848	852	879	836	821	821	821	823	832	830	830	823	820	819	801	808	808	812	819	834	831
17 Q	830	832	821	821	821	821	821	821	823	823	821	821	823	821	819	801	786	775	783	787	790	815	819	830	814
18	822	801	816	819	829	836	844	836	836	836	836	836	837	829	818	825	829	805	778	782	805	827	918	916	835
19 D	1036	1058	1147	1122	790	898	882	707	187	415	166	235	275	386	248	225	711	663	793	828	1038	1023	806	805	685
20 D	757	683	404	442	823	663	516	500	430	399	463	528	584	786	826	785	836	832	811	809	814	793	789	796	670
21	804	806	805	804	805	805	808	676	392	551	602	754	818	839	805	818	807	802	801	812	814	807	799	800	764
22	803	817	802	803	811	812	810	811	790	805	791	712	829	829	812	818	801	808	806	802	790	792	790	798	802
23	805	800	805	805	805	809	810	813	812	666	562	711	807	828	825	821	807	793	792	790	788	804	793	796	785
24 Q	804	812	820	820	817	816	819	815	805	793	769	755	812	820	828	821	811	811	797	797	798	815	805	797	807
25 Q	821	844	813	808	819	822	816	822	822	822	820	797	790	820	822	821	806	794	789	789	795	796	806	817	811
26 Q	823	820	821	819	819	822	822	821	821	821	829	829	830	836	829	820	807	795	788	787	795	809	821	829	817
27	826	824	829	829	829	829	833	834	832	836	836	837	843	843	844	825	801	794	786	794	805	818	824	829	824
28	836	820	825	829	829	833	845	836	830	812	669	733	833	851	833	813	812	805	797	789	783	820	847	820	812
29	840	814	826	848	940	883	824	826	821	801	794	822	828	776	780	889	787	798	774	785	799	803	819	847	822
30	868	833	845	854	852	825	805	803	831	828	823	826	825	819	819	805	794	768	794	794	805	808	811	814	819
31	817	827	815	824	829	836	840	801	765	822	833	822	801	820	832	798	775	790	786	778	781	803	820	821	810
Mean	849	847	849	842	830	821	802	772	719	725	698	734	761	773	785	793	802	799	799	799	811	824	835	853	797

DECLINATION
 Mean values for periods of sixty minutes; Universal Time

Table 30 Meanook

D = 24° E + . . . ' .

August 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	37.6	40.3	46.1	49.3	45.1	43.4	43.1	39.1	41.0	45.3	44.4	46.6	50.4	53.7	58.0	57.1	60.0	52.0	49.9	48.4	36.5	35.1	36.4	36.9	45.5
2	39.3	37.5	42.7	46.6	40.7	43.9	47.5	51.3	46.1	44.0	45.1	45.2	46.7	50.4	53.9	56.9	57.6	58.0	53.2	45.6	34.8	36.2	39.6	39.6	45.9
3	41.6	44.6	48.8	42.5	42.5	50.6	46.7	43.7	43.5	42.5	25.9	36.9	53.0	53.0	58.1	59.2	61.9	57.4	51.1	41.3	39.5	37.7	36.9	41.5	45.8
4	39.6	41.6	53.2	47.2	47.7	48.4	44.5	43.1	43.3	42.7	45.1	47.9	50.4	51.3	53.2	56.7	51.5	50.5	43.6	41.6	39.2	38.8	40.6	40.3	45.9
5	39.8	41.7	43.4	44.6	50.7	48.6	45.5	45.5	44.8	45.6	47.4	49.3	51.1	54.4	57.1	57.9	57.9	56.1	51.1	46.3	42.5	40.7	38.0	37.2	47.4
6	37.9	35.7	41.6	44.2	41.8	41.7	44.0	45.5	43.7	45.6	46.0	47.8	50.4	54.1	56.5	56.8	59.8	53.1	50.4	46.5	39.5	40.2	38.2	39.1	45.8
7 D	38.7	36.5	44.7	40.0	39.3	40.6	42.5	42.7	40.6	42.9	45.0	44.7	53.2	57.9	59.8	57.2	59.3	53.0	47.6	55.1	42.8	50.7	49.2	74.4	48.3
8 D	59.1	61.3	50.6	47.8	55.5	26.3	21.6	59.2	19.2	52.9	53.1	55.1	52.9	52.9	55.7	57.2	58.2	56.6	58.0	54.8	50.7	49.5	46.9	48.5	50.2
9	47.6	52.1	46.0	47.3	73.1	51.2	50.5	33.9	31.0	43.7	54.8	38.9	57.1	58.0	62.8	58.5	55.6	53.7	48.3	47.6	47.5	49.5	46.7	46.0	50.1
10 D	45.7	42.8	42.4	50.1	60.1	66.2	47.7	57.6	53.6	47.6	30.1	57.1	51.4	65.4	62.6	63.7	65.4	51.9	55.6	59.2	49.5	42.9	46.7	50.7	52.7
11	42.9	40.8	59.4	58.9	52.8	45.9	51.4	51.3	43.6	42.7	51.2	35.8	55.4	58.0	63.0	53.7	57.2	55.3	45.6	42.1	43.2	43.2	45.7	45.5	49.4
12	44.2	43.4	51.3	57.0	49.1	46.0	44.1	30.9	21.8	59.9	57.0	51.4	41.8	49.0	58.6	57.7	57.8	54.2	51.4	45.7	41.9	41.6	42.8	43.7	47.6
13	44.9	45.7	45.7	48.5	62.2	52.4	49.2	46.4	42.2	44.9	34.8	45.2	50.5	55.3	58.1	58.9	56.0	50.9	50.1	46.2	42.3	43.8	46.6	48.0	48.6
14	48.6	49.4	50.3	59.3	57.8	49.2	49.6	44.7	33.1	35.5	47.2	46.5	51.7	52.4	60.0	64.7	62.9	55.8	48.5	43.1	40.1	39.6	38.6	38.4	48.6
15	38.6	38.8	43.5	49.7	61.0	53.1	58.9	53.3	47.4	43.2	43.9	44.2	47.1	47.4	55.5	57.0	58.1	59.3	47.8	42.0	40.5	41.3	42.6	44.7	48.3
16 Q	45.3	46.3	44.5	52.2	49.7	49.7	46.5	46.5	46.5	48.0	48.8	50.6	53.1	55.9	57.2	57.2	55.9	53.8	46.8	42.6	40.5	41.3	42.6	44.7	48.6
17 Q	46.3	46.8	46.8	46.3	46.5	47.0	47.0	47.0	47.2	48.4	49.9	51.3	53.2	55.3	53.1	53.1	53.1	52.8	47.8	41.7	36.9	35.8	37.5	38.9	47.1
18	40.3	40.9	40.8	42.1	40.7	42.7	42.8	44.0	44.0	44.9	46.1	49.0	50.9	53.3	55.9	59.6	62.9	61.2	41.6	40.3	35.9	38.3	38.8	33.6	45.4
19 D	36.5	39.3	33.1	22.6	11.1	19.5	35.2	41.3	57.2	38.2	59.3	52.3	74.1	73.9	84.4	69.7	72.7	59.7	44.9	59.1	80.7	89.9	69.2	47.6	53.1
20 D	38.6	28.1	-6.2	09.4	13.6	10.7	25.0	37.3	30.9	39.6	17.3	53.8	50.8	55.4	60.2	66.9	61.7	61.7	57.8	56.3	50.7	48.6	46.4	45.0	40.0
21	44.2	44.0	44.5	45.0	44.8	45.8	46.5	47.9	61.9	62.8	50.2	64.0	66.0	47.2	62.9	58.9	53.9	54.8	44.6	46.7	45.0	44.8	45.9	46.0	50.8
22	46.4	46.7	46.9	44.8	45.8	46.5	50.1	50.6	54.6	51.7	47.7	43.4	52.5	52.5	52.5	53.4	52.3	52.1	48.7	46.3	45.0	44.5	44.3	44.0	48.5
23	45.0	46.7	48.2	45.9	45.8	45.9	45.8	46.5	48.2	68.7	65.2	58.1	56.2	56.2	57.0	57.1	54.9	52.5	46.7	45.3	44.1	42.9	42.3	43.9	50.4
24 Q	44.8	45.2	45.3	45.9	46.7	47.2	47.5	46.9	47.6	52.7	48.6	46.2	53.0	56.6	59.0	57.4	55.4	53.6	47.8	46.2	43.8	41.2	42.0	43.1	48.5
25 Q	44.2	43.1	44.3	44.5	45.6	47.4	48.1	46.7	45.8	46.3	45.8	45.8	48.6	54.6	55.7	56.2	54.3	52.1	46.8	43.4	42.1	40.9	42.1	43.1	46.9
26 Q	43.3	44.0	45.4	47.9	46.2	46.9	46.2	45.9	46.7	46.2	47.2	48.3	51.2	53.5	55.2	55.4	53.6	50.1	42.3	40.0	38.3	39.4	41.8	43.5	46.6
27	43.8	45.2	45.2	43.8	43.8	43.3	43.3	44.3	46.2	48.4	49.8	50.7	53.4	56.4	58.2	57.8	57.8	54.9	42.6	40.5	40.3	40.5	40.8	43.3	47.3
28	46.2	47.7	45.8	45.3	46.2	45.3	45.4	46.3	46.9	49.6	66.6	59.0	59.2	56.5	60.6	61.9	59.2	54.9	46.7	48.3	38.5	36.9	34.8	37.3	49.4
29	36.9	41.6	41.0	35.9	46.2	47.8	42.9	45.8	45.9	47.9	46.6	53.6	56.8	54.6	58.2	52.6	54.7	52.0	45.8	40.9	38.6	38.1	39.8	38.3	45.8
30	49.0	43.6	39.3	44.0	61.9	41.7	48.9	43.1	47.7	45.6	46.7	48.6	50.9	51.5	53.4	57.2	52.1	47.7	45.3	44.2	40.5	42.1	42.4	43.9	47.1
31	45.6	45.3	45.3	44.6	49.9	44.6	52.6	43.4	41.0	45.9	48.2	49.4	52.0	52.5	56.3	57.4	56.8	51.5	45.2	42.8	40.0	38.9	40.1	42.9	47.2
Mean	43.3	43.4	43.9	45.1	47.2	44.5	45.1	45.5	43.6	47.2	46.9	48.9	53.1	54.8	58.1	58.2	57.7	54.3	48.2	46.1	42.9	43.1	42.8	43.7	47.8

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 31 Meanook

$z = 58,000 \gamma +$

August 1950

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	892	924	911	936	947	932	914	856	825	851	873	876	868	870	868	873	864	856	835	858	865	873	879	887	880
2	887	918	973	934	893	897	861	855	876	886	887	876	858	826	827	866	875	870	868	903	927	911	909	898	887
3	922	937	959	946	922	936	922	898	831	729	683	753	809	840	870	873	875	870	886	870	875	887	907	908	871
4	909	916	913	887	901	893	838	838	833	803	824	847	877	876	873	867	874	875	870	873	891	882	887	892	839
5	887	887	886	887	887	886	879	877	874	873	875	878	876	865	870	870	869	867	864	859	868	876	876	897	876
6	909	922	959	915	890	881	868	873	874	874	874	877	877	877	875	877	859	863	860	861	872	874	884	892	883
7 D	919	921	990	974	910	907	898	877	834	848	865	896	883	882	880	866	873	873	868	874	883	903	999	873	896
8 D			838	883	778	821	1114	973	1159	951	886	902	911	919	909	916	907	904	890	903	897	909	920	925	
9	929	933	898	910	894	821	826	942	953	815	842	748	766	748	869	903	886	910	895	907	927	958	989	981	885
10 D	934	933	906	958	894	876	890		800			807					881	910	953	986	927	936	958		
11	927	936	989	928	901	849	631	746	824	674	704	598	663	666	741	785	825	881	904	903	897	901	922	967	823
12	967	946	935	842	911	917	869	613	393	674	734	791	792	849	868	877	889	909	900	906	911	913	915	911	883
13	906	904	902	918	927	873	801	765	836	860	748	803	889	895	888	891	891	880	888	888	886	896	906	909	873
14	914	913	913	923	913	913	896	836	773	676	750	795	812	621	785	833	851	864	869	869	875	881	881	892	844
15	901	956	935	938	801	800	817	780	842	790	763	804	827	824	860	881	888	890	875	879	882	878	881	879	857
16 Q	889	892	903	914	895	928	937	914	892	892	886	886	884	884	882	881	881	881	881	881	879	879	881	884	892
17 Q	882	881	876	876	875	876	876	876	876	876	876	876	876	876	876	874	872	867	869	870	872	877	876	882	876
18	895	891	898	924	925	902	904	895	888	884	883	883	883	877	874	883	882	870	863	868	900	974	974	994	901
19 D	984	905	869	869	869	883	888	902	901	1105	1164	1287	1417	1398	1388	1185	1325	928	908	931	956				
20 D								1047				1139	1128	991	928	955	916	922	934	933	933	924	922	923	919
21	920	920	920	917	914	914	920	920	1018	784	890	823	888	916	888	910	913	908	909	922	924	919	916	919	908
22	920	934	944	932	927	928	911	903	862	877	859	793	889	904	895	897	896	901	906	903	905	914	906	911	901
23	917	921	915	906	903	901	901	900	876	748	641	804	844	879	894	894	901	903	903	905	908	920	922	916	880
24 Q	914	906	903	903	903	903	901	892	866	844	822	818	853	883	890	892	892	887	887	888	892	897	901	902	885
25 Q	904	918	922	913	913	922	908	903	897	897	892	858	849	881	900	898	895	894	894	893	898	904	906	905	898
26 Q	903	902	903	903	901	901	894	894	892	892	892	897	901	901	897	894	892	891	898	896	897	903	904	904	898
27	901	902	900	900	900	903	905	905	897	894	887	891	894	890	887	883	879	876	877	879	881	883	882	890	891
28	900	893	890	892	898	903	925	916	900	870	711	782	868	901	890	872	880	886	891	892	894	902	922	924	883
29	936	923	916	921	936	889	894	862	844	806	849	890	901	827	827	867	881	881	893	901	904	903	905	922	887
30	969	922	934	948	910	901	851	811	863	883	890	892	894	890	890	889	892	891	892	903	905	910	905	904	897
31	901	902	897	908	914	921	903	878	861	892	900	890	868	882	882	879	881	895	897	894	892	895	901	895	893
Mean	912	916	922	915	904	896	876	860	852	829	826	834	855	853	868	877	880	883	883	887	893	900	909	909	881

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Meanook

August 1950

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range
	12,000 γ +		12,000 γ +			24° E +		24° E +			58,000 γ +		58,000 γ +		
h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ	
1	01 15	932	19 30	760	172	17 05	64.9	21 18	22.1	42.8	02 44	989	08 46	793	196
2	02 44	941	13 35	700	241	17 25	62.8	20 14	31.7	31.1	02 46	1029	13 23	801	228
3	05 23	927	10 25	517	410	16 36	69.8	10 36	12.6	57.2					
4	02 38	889	18 26	764	125	02 37	65.8	21 10	37.3	28.5	02 35	937	09 36	777	160
5	23 56	864	19 06	788	76	16 30	59.9	23 59	36.7	23.2	23 52	916	19 02	858	58
6	02 25	957	20 13	772	185	16 11	60.3	01 42	34.4	25.9	02 27	988	16 15	850	138
7 D						23 33	134.3	20 25	39.2	95.1					
8 D	00 15	1317	08 15	-24	1341	07 04	99.2	08 06	11.7	87.5					
9	15 15	986	07 18	-50	1036	11 47	103.7	08 31	-05.4	109.1					
10 D	04 55	1096	10 36	379	717	05 08	85.6	10 29	-07.5	93.1					
11	04 44	1050	11 13	-52	1102	02 49	81.0	06 30	-14.5	95.5					
12	00 17	957	08 25	311	646	02 50	75.3	08 39	03.3	72.0					
13	04 00	947	10 48	423	524	04 05	68.8	10 49	22.6	46.2	04 02	978	10 48	602	376
14	21 52	865	13 11	183	682	15 36	79.8	10 00	24.0	55.8	03 17	925	13 23	408	517
15	03 30	982	09 03	635	347	04 26	81.3	11 09	36.7	44.6	01 26	1001	04 57	656	345
16 Q	01 56	916	18 20	800	116	03 54	78.7	20 41	34.6	44.1	03 40	988	04 07	836	152
17 Q	01 42	847	18 42	744	103	17 05	70.9	20 35	31.1	39.8	23 58	890	19 02	838	52
18	23 59	1049	17 50	762	287	17 10	65.0	06 30	21.8	43.2	23 59	1022	19 21	859	163
19 D	02 13	1340	14 00	-156	1496	14 06	144.6	04 11	-11.9	156.5					
20 D	01 44	1409	01 20	-43	1452	01 26	107.7	01 30	-28.6	136.3					
21	13 42	853	08 22	279	574	08 01	99.7	07 35	30.2	69.5	10 07	1031	08 32	452	579
22	12 22	842	11 28	661	181	08 50	58.2	11 21	34.3	23.9	02 46	948	11 16	729	219
23	13 40	840	10 30	454	386	09 46	95.6	23 24	40.9	54.7					
24 Q	21 52	834	11 07	691	143	14 05	59.8	22 24	40.7	19.1	00 01	923	11 13	775	148
25 Q	01 00	856	12 12	778	78	13 51	57.2	21 45	40.1	17.1	02 11	933	12 01	835	98
26 Q	24 00	844	19 10	784	60	15 32	56.3	20 20	38.1	18.2	23 49	915	09 23	881	34
27	23 56	847	18 22	776	71	16 26	59.9	21 45	38.9	21.0	07 02	914	16 41	869	45
28	22 54	901	10 40	583	318	10 32	78.4	22 42	30.6	47.8	22 56	953	10 20	648	305
29	04 05	1066	14 00	690	376	05 40	68.0	04 06	14.8	53.2	04 03	1013	09 26	743	270
30	00 17	904	06 39	731	173	04 21	82.7	07 30	32.1	50.6	00 14	1031	07 28	742	289
31	06 28	920	08 15	700	220	06 30	66.9	08 11	32.3	34.6	06 21	979	08 10	767	212
Mean		966		511	455		78.8		22.7	56.1		967		749	218
No. days		30		30	30		31		31	31		21		21	21

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 33 Meanook

H = 12,000 γ +

September 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	833	832	827	826	830	828	828	826	822	810	833	832	842	829	818	821	809	794	784	784	787	805	818	830	819	
2	833	819	826	833	840	826	831	833	833	833	833	833	833	833	828	826	813	794	790	790	791	801	813	808	821	
3 D	822	835	835	833	856	881	661	564	743	834	824	478	415	595	753	634	755	798	759	780	811	840	940	1197	768	
4 D	1272	833	872	872	856	824	465	545	229	384	436	560	689	821	739	736	786	774	795	815	799	821	877	874	736	
5 D	933	947	845	826	842	781	571	624	563	560	462	557	532	739	805	817	786	809	802	821	837	907	898	980	760	
6 D	897	1016	925	944	883	817	487	540	353	291	314	415	770	755	739	770	778	798	791	817	829	842	874	848	729	
7	857	833	833	841	829	825	846	740	731	673	591	700	670	746	755	826	832	823	816	813	826	808	825	841	787	
8	840	840	843	825	848	677	582	618	363	604	824	805	743	795	774	819	809	770	809	801	825	835	840	859	764	
9	837	895	896	861	825	810	816	717	558	785	809	829	832	835	837	826	799	789	778	781	786	809	813	830	806	
10	839	847	854	875	842	823	816	817	818	823	822	820	784	730	761	769	789	763	730	733	770	835	839	845	806	
11	828	836	863	885	831	828	632	693	804	715	786	833	829	825	816	808	796	793	776	790	800	815	820	824	801	
12	847	834	820	824	829	827	828	826	738	687	807	832	769	820	832	829	809	800	800	808	816	822	831	832	811	
13	831	832	832	835	836	838	850	840	843	836	836	837	832	836	836	821	800	776	777	786	804	790	821	825	823	
14 Q	819	831	825	832	829	831	837	843	834	833	833	833	827	825	823	815	801	790	784	790	805	811	825	824	821	
15 Q	824	832	832	832	832	832	832	832	832	836	836	836	832	832	832	825	806	786	781	788	800	812	820	827	822	
16	839	840	825	832	832	839	855	860	849	848	861	868	857	839	835	783	800	817	808	808	811	812	824	823	832	
17	825	832	839	837	871	875	738	692	714	715	847	859	849	839	836	793	715	762	777	793	833	797	815	879	806	
18	864	878	917	836	859	762	489	664	667	419	629	715	848	754	765	808	816	792	812	817	831	839	823	855	769	
19	825	844	829	832	831	839	854	661	691	621	426	303	585	823	853	857	842	821	820	822	835	867	863	821	765	
20	1090	821	825	851	816	851	723	509	773	833	560	348	778	795	746	817	809	825	826	798	826	819	833	839	780	
21	840	825	840	849	839	840	833	834	822	810	818	833	829	825	819	817	809	810	820	825	826	833	833	833	828	
22 Q	842	831	825	827	827	829	830	830	823	825	824	830	829	829	823	828	823	831	832	821	832	825	830	842	829	
23	833	833	837	833	833	833	837	855	787	851	766	646	386	706	848	848	785	794	816	814	816	874	826	829	795	
24 D	868	934	847	849	843	847	843	843	845	868	810	834	798	840	840	791	764	798	791	798	808	833	857	886	836	
25	864	840	844	864	852	848	828	728	770	850	828	850	826	785	758	709	785	807	801	823	826	865	905	853	821	
26	859	833	830	840	840	848	848	837	825	812	840	837	837	833	826	816	821	801	789	769	778	825	826	830	825	
27	817	827	828	848	832	838	841	797	746	669	816	836	839	832	827	829	816	808	792	804	808	820	828	839	814	
28	831	831	831	835	838	831	840	846	839	846	849	807	784	823	835	829	811	807	807	807	815	824	831	827	826	
29 Q	839	834	838	834	838	839	839	838	847	846	846	846	846	846	846	845	838	825	819	812	811	817	824	835	838	835
30	841	837	837	837	837	838	838	841	837	816	820	849	852	857	853	837	830	814	799	784	774	791	840	848	829	
31																										
Mean	866	850	844	845	840	827	764	750	730	738	746	742	765	801	809	805	801	799	796	800	811	827	841	856	802	

DECLINATION
Mean values for periods of sixty minutes; Universal Time

Table 34 Meanook

D = 24° E + . . . ' 1

September 1950

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1 Q	44.2	45.9	47.0	47.3	47.7	45.3	47.7	48.7	47.4	44.2	48.2	48.7	50.4	51.4	55.1	56.8	57.5	54.7	47.7	44.2	41.0	40.4	42.1	43.0	47.8	
2	44.0	44.9	45.1	44.8	48.9	48.3	48.4	45.9	46.3	46.1	46.9	48.7	50.2	53.9	55.6	56.5	58.2	55.0	51.9	47.7	42.1	40.1	39.2	40.1	47.8	
3 D	42.9	43.2	41.9	43.0	41.3	42.8	46.8	51.1	55.1	49.4	47.0	47.4	63.4	75.6	69.6	61.0	69.5	55.9	49.7	41.0	32.7	39.9	42.0	47.2	50.0	
4 D	41.7	43.9	45.1	69.4	46.8	35.0	40.8	59.8	68.9	75.2	66.0	68.6	52.8	58.0	60.7	58.3	53.7	53.5	41.8	44.6	37.3	40.1	43.3	41.9	52.0	
5 D	45.9	60.6	42.1	43.0	51.6	62.6	41.0	57.1	54.7	41.8	46.8	52.0	53.0	46.3	55.9	60.3	59.8	51.2	53.5	47.8	47.8	48.5	47.3	43.1	50.6	
6 D	43.0	51.4	68.0	53.3	44.0	58.8	45.9	43.8	66.7	47.0	58.5	54.8	60.7	56.4	57.2	56.4	49.7	47.3	47.5	44.9	45.9	44.6	46.3	45.5	51.6	
7	48.7	45.9	49.0	61.5	58.3	45.4	49.7	31.8	41.7	49.2	43.9	43.4	48.8	48.0	46.7	52.8	54.4	51.7	48.7	43.8	46.4	44.4	44.0	45.9	47.7	
8	44.7	45.2	46.9	64.1	84.1	52.1	46.0	43.9	70.2	66.8	51.2	53.5	51.6	50.5	53.5	55.0	53.1	44.1	43.0	43.9	42.8	43.0	43.1	43.7	51.5	
9	43.9	45.5	62.5	44.6	44.4	47.0	44.9	35.7	33.9	48.9	49.9	48.4	49.7	53.6	54.3	54.1	51.4	48.2	44.9	42.0	41.1	41.6	43.3	46.8		
10	50.3	62.2	49.2	46.3	49.9	47.5	45.2	44.9	45.8	47.8	46.4	46.9	50.7	50.8	54.3	56.4	52.6	46.0	44.1	34.8	30.2	39.3	40.7	41.0	46.8	
11	48.3	48.7	44.7	85.2	55.8	45.5	51.1	33.3	47.9	45.5	49.8	51.7	53.6	53.8	54.1	54.4	52.3	46.9	44.0	42.0	41.3	41.5	44.2	46.4	49.2	
12	50.9	46.9	45.0	44.4	44.8	44.9	53.5	54.0	50.3	58.9	51.6	50.8	58.3	56.8	57.3	54.4	53.6	51.9	46.7	43.5	43.1	44.2	45.0	46.4	49.9	
13	46.0	45.2	44.0	43.7	48.0	48.6	44.0	44.0	45.3	47.6	50.0	51.6	52.7	53.6	53.6	54.1	57.0	51.8	46.8	37.3	33.3	32.5	39.7	43.1	46.4	
14 Q	45.2	45.4	46.0	44.9	44.8	45.6	45.6	44.2	46.0	47.1	47.9	49.8	51.3	53.6	55.2	55.3	54.0	50.8	44.1	41.1	40.5	41.5	42.9	44.9	47.0	
15 Q	45.4	45.0	45.0	45.4	45.5	45.9	45.4	46.0	46.5	47.2	48.1	48.7	51.0	52.6	56.4	56.0	54.5	50.9	45.4	42.0	41.0	42.5	42.6	43.5	47.2	
16	42.2	40.7	42.2	42.6	43.3	43.6	49.0	43.6	46.0	48.5	50.3	53.3	51.6	52.4	56.0	53.4	43.0	46.9	45.2	43.9	40.7	40.7	42.1	43.5	46.0	
17	44.0	44.3	46.9	46.1	44.6	48.9	32.5	45.5	45.2	55.6	53.7	50.7	53.5	54.8	57.3	57.6	46.8	39.6	40.6	35.9	41.6	37.3	37.9	38.4	45.8	
18	37.8	43.6	57.5	43.9	44.6	38.2	42.7	55.9	56.2	27.5	61.8	61.8	51.7	50.3	53.3	53.5	51.8	44.4	39.2	40.3	41.7	43.5	45.5	45.0	47.2	
19	43.5	48.3	44.9	44.5	44.2	44.5	45.4	39.8	51.2	57.6	59.2	70.9	85.8	57.4	54.9	51.7	50.6	46.7	45.4	43.2	43.2	45.5	42.9	41.0	50.0	
20	47.5	44.5	45.2	44.4	18.0	48.3	37.8	34.4	46.1	47.9	52.1	59.4	50.9	53.9	46.0	51.2	41.0	47.4	47.7	41.6	43.5	41.5	44.6	46.0	45.0	
21	45.4	46.9	49.5	44.2	46.5	44.3	45.0	45.3	45.0	45.4	45.6	49.7	49.8	50.8	50.8	50.6	49.5	48.3	45.9	44.2	43.8	44.9	46.1	46.8	46.9	
22 Q	46.8	46.5	46.1	46.0	45.2	46.0	45.8	47.6	47.6	50.7	50.4	50.4	50.4	51.6	51.6	53.1	51.3	51.7	45.6	43.4	44.4	45.2	45.2	46.0	47.9	
23	46.3	46.5	45.6	45.6	46.8	48.1	48.1	49.5	55.3	52.8	53.4	68.4	89.1	71.5	58.2	54.1	51.0	42.7	47.5	48.5	43.6	45.7	43.7	43.9	51.9	
24 D	43.7	46.9	52.8	43.6	45.5	45.5	45.4	48.4	48.4	53.7	58.2	52.1	56.0	60.1	58.2	51.4	53.2	44.6	38.1	44.6	42.7	41.7	39.9	38.2	48.0	
25	45.6	38.4	43.2	50.4	58.5	44.7	43.2	47.6	35.7	47.1	51.4	49.2	49.9	49.6	48.2	45.1	45.3	41.7	38.9	44.4	46.1	45.7	48.9	47.1	46.1	
26	47.4	45.9	46.5	52.9	48.4	56.8	42.2	44.1	45.6	42.8	49.1	49.4	50.5	54.4	55.8	55.3	54.9	52.4	49.9	47.2	38.4	39.4	42.3	43.1	48.1	
27	44.7	44.6	47.0	50.8	44.7	43.6	44.6	54.3	55.7	40.1	56.6	50.9	50.8	50.4	53.4	55.7	55.9	53.5	48.4	42.1	41.3	41.1	43.6	46.4	48.3	
28	46.1	45.5	45.6	45.5	44.8	44.8	52.3	43.7	45.3	47.4	48.4	47.0	44.1	47.5	52.4	54.4	53.5	49.6	45.0	44.1	42.4	42.7	43.5	45.3	46.7	
29 Q	46.5	46.1	46.3	46.0	46.1	45.6	47.5	47.2	46.4	47.5	47.0	48.2	49.4	50.9	53.2	54.2	54.6	53.7	48.9	46.1	43.5	43.6	44.1	44.6	47.8	
30	44.6	43.7	43.9	43.6	46.5	44.4	45.3	45.4	46.1	48.3	52.3	51.6	52.9	53.2	54.4	55.9	53.3	52.0	50.0	47.5	38.4	32.6	42.4	41.2	47.1	
31																										
Mean	45.2	46.4	47.5	49.0	47.5	46.8	45.4	45.9	49.4	49.2	51.4	52.6	54.4	54.0	54.7	54.6	53.0	49.3	45.9	43.4	41.4	41.8	43.2	43.8	48.2	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 35 Meanook

$z = 58,000 \gamma +$

September 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	893	892	892	892	892	892	892	892	884	864	887	892	890	888	882	890	891	889	882	884	889	892	894	897	889
2	900	892	892	892	900	867	891	881	877	882	887	888	889	886	883	881	880	873	870	874	883	890	892	889	885
3 D	889	892	904	924	947	863	856	913	903	893	892	876	757	681	720	660	819	903	914	933	956	934	918	908	869
4 D	922	942	946	922	893	910	1033	907	822	781	879	944	849	887	891	865	863	863	892	905	908	920	941	984	903
5 D	1017	1000	965	947	915	808	847	1058	1032	493	900	827	858	817	860	890	896	908	930	946	966	976	1001	960	909
6 D	970	976	922	932	942	858	525	687	783	932	715	877	827	868	903	870	882	886	903	916	934	925	935	945	871
7	934	908	911	894	892	893	869	715	759	745	887	797	781	840	838	881	895	903	903	904	914	913	923	919	867
8	907	902	914	932	858	710	633	825	688	728	860	862	859	881	855	896	903	900	909	924	936	933	946	989	865
9	934	957	965	978	935	908	887	812	732	825	852	892	903	915	909	903	900	903	895	904	914	921	915	915	899
10	947	953	974	978	959	924	905	892	894	892	892	874	849	819	833	868	888	901	902	914	918	927	922	932	906
11	946	925	942	883	911	901	809	771	849	787	793	901	903	903	901	900	896	901	898	907	911	915	921	928	888
12	946	934	920	904	902	903	903	847	817	846	869	892	845	880	870	879	891	896	897	901	903	903	903	901	890
13	900	903	902	903	909	915	924	915	916	906	901	902	896	896	893	892	890	882	891	903	935	919	883	883	902
14 Q	891	903	906	903	903	906	904	914	905	903	901	898	901	898	896	894	892	888	892	896	902	902	905	904	900
15 Q	901	897	897	897	896	897	897	897	897	896	896	892	892	892	892	897	893	892	894	894	897	900	901	896	896
16	897	900	897	897	897	897	881	866	880	892	892	882	887	888	884	862	832	866	887	897	909	915	924	937	890
17	923	918	918	934	967	895	693	844	872	845	891	916	909	908	883	865	838	853	890	908	928	922	925	959	892
18	1010	967	993	920	932	758	686	725	730	660	666	822	874	856	876	888	888	887	888	897	908	920	920	941	859
19	973	962	922	910	918	919	908	832	865	828	640	644	693	353	564	580	577	565	897	903	910	937	965	1004	803
20	1053	914	902	927	912	877	833	800	829	883	797	718	811	838	787	854	878	908	906	927	938	916	917	908	876
21	910	918	931	880	901	897	861	889	880	890	878	896	896	896	892	893	892	892	890	896	901	903	903	901	895
22 Q	901	901	901	901	901	889	892	881	884	879	875	874	872	876	880	881	881	892	897	897	896	892	892	891	889
23	891	888	888	888	891	891	892	908	880	923	845	679	626	822	866	896	865	847	879	889	892	955	957	928	870
24 D	925	974	941	904	907	909	901	901	907	916	849	863	822	875	889	872	855	867	870	892	914	962	961	969	902
25	952	930	945	937	894	854	880	801	855	888	882	887	887	862	841	808	869	876	879	896	915	962	964	946	892
26	927	903	901	892	893	896	886	908	893	869	882	887	883	886	889	881	886	880	870	886	896	908	907	898	892
27	898	914	919	917	894	897	896	865	865	825	813	888	895	896	892	897	896	901	897	897	898	898	897	897	890
28	897	897	897	897	897	907	881	849	844	864	889	875	838	865	888	896	897	897	900	903	901	907	909	900	887
29 Q	897	897	897	897	897	897	896	887	897	896	897	897	897	897	897	897	897	897	897	897	897	897	897	897	896
30	897	897	897	897	906	897	897	897	887	897	800	875	877	887	887	887	887	887	887	889	890	908	909	911	890
31																									
Mean	928	922	920	913	909	881	855	859	858	841	850	861	852	852	861	864	871	877	894	903	912	919	922	925	885

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Meanook

September 1950

Day	Horizontal Intensity						Declination						Vertical Intensity									
	Maximum 12,000 γ +			Minimum 12,000 γ +			Maximum 24° E +			Minimum 24° E +			Maximum 58,000 γ +			Minimum 58,000 γ +						
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ	
1 Q	01	14	843	18	59	777	66	16	09	57.6	21	25	39.1	18.5	23	50	902	09	34	841	61	
2	04	50	853	19	55	780	73	04	50	60.4	23	03	38.3	22.1	04	47	914	05	07	846	68	
3 D	23	58	<u>1428</u>	13	02	294	1134	15	24	104.5	06	08	12.9	91.6	22	56	1024	06	00	640	384	
4 D								08	12	95.3	08	33	-30.4	125.7								
5 D								10	37	107.3	07	34	-40.0	147.3								
6 D								11	14	109.0	11	36	-25.0	134.0								
7	06	46	978	10	36	424	554	02	25	70.6	07	20	21.8	48.8	10	02	989	07	01	634	355	
8								08	30	140.0	06	00	05.7	134.3								
9	01	49	1022	08	18	457	565	02	20	75.8	08	00	18.0	57.8	02	00	1062	08	58	662	400	
10	03	20	914	13	46	669	245	00	58	73.0	20	16	26.6	46.4	02	40	1001	14	05	775	226	
11	03	06	1066	06	44	359	707	03	30	96.3	07	00	12.9	83.4	03	10	1001	08	05	626	375	
12	07	11	868	09	20	586	282	07	07	72.4	20	10	42.0	30.4	00	26	948	08	52	784	164	
13	06	49	856	17	49	748	108	16	06	60.5	21	20	27.8	32.7	06	18	934	17	25	875	59	
14 Q	07	10	852	18	43	779	73	14	40	56.3	07	15	39.4	16.9	07	40	923	18	00	883	40	
15 Q	23	53	841	18	32	773	68	14	35	57.5	20	40	40.3	17.2	21	58	910	11	50	891	<u>19</u>	
16	07	31	891	15	53	719	172	14	52	64.6	07	51	35.5	29.1	23	29	939	15	55	784	155	
17	05	48	957	06	44	583	374	09	05	70.5	06	28	11.4	59.1	04	40	980	06	45	697	283	
18	02	42	1032	06	46	105	927	07	05	97.6	06	44	-01.4	99.0								
19	23	33	946	11	47	<u>-24</u>	970	11	52	114.9	08	00	-06.5	121.4								
20	00	20	1234	11	19	067	<u>1167</u>	05	27	116.1	07	15	-04.1	120.2	00	19	<u>1108</u>	11	17	590	518	
21	03	11	880	09	54	785	95	03	10	73.7	06	11	36.8	36.9	02	40	956	06	05	839	117	
22 Q								15	51	54.5	19	15	40.4	<u>14.1</u>								
23								13	00	<u>220.2</u>	16	50	37.6	<u>182.6</u>	13	05	1075	12	19	<u>536</u>	<u>539</u>	
24 D								15	20	59.5	23	44	27.4	32.1								
25								04	45	80.4	08	25	22.6	57.8								
26								03	18	65.3	21	13	37.2	28.1	00	02	1006	09	44	847	159	
27	03	16	868	09	22	510	358	08	00	65.0	09	30	26.1	38.9	03	02	970	09	51	752	218	
28	07	25	898	12	31	727	171	06	19	65.2	07	35	34.5	30.7	07	18	923	07	43	745	178	
29 Q	08	49	860	16	32	803	<u>57</u>	16	26	55.7	08	06	41.2	14.5	08	20	919	07	27	869	50	
30	10	46	869	10	12	752	117	15	50	57.8	20	57	26.0	31.8	22	07	924	10	10	748	176	
31																						
Mean			950			556	394			83.2			19.8	63.4			971			755	216	
No. days			21			21	21			30			30	30			21			21	21	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 37 Meanook

H = 12,000 γ +

October 1950

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	849	912	1103	1064	994	874	603	609	527	352	577	469	311	328	802	853	865	820	806	829	827	837	835	837	745
2 D	838	858	877	1044	882	876	822									641	775	810	845	892	889	889	896		
3	895	903	943	783	749	724	734	590	624							805	754	764	805	851	803	847	859		
4	879	841	842	894			466	450	277	334	722	754	705	624		669	747	738	844	816		850	841	845	
5						694	574									814	814	806	837	833	858	836	876		
6	846	828	829	835	842	844	800	646	525	638						766	780	801	809	828	836	831	851		
7	829	850	805	835	844	778	716	720	637	680	680	774	790	785	613	660	756	763	822	833	805	829	813	844	769
8	826	829	829	832	827	833	845	814	828	824	816	804	805	831	835	813	825	808	809	810	823	829	836	833	824
9	840	825	825	829	830	831	829	833	808	634	732	858	852	845	840	831	819	805	798	797	808	823	828	833	815
10 Q	835	823	829	837	833	836	834	834	833	835	834	833	840	833	829	824	817	805	798	809	822	826	839	833	828
11	833	833	833	835	836	835	840	840	840	840	840	842	847	847	847	841	827	816	820	830	840	849	844	840	837
12	841	837	849	925	942	859	833	826	834	826	812	818	840	845	840	831	822	815	787	780	793	801	807	822	833
13	833	840	840	833	834	834	830	684	782	844	845	840	840	833	833	821	817	814	809	803	803	814	816	833	820
14 D	857	848	869	923	949	835	835	835	803	599	792	663	482	642	814	749	758	790	786	782	797	821	846	868	789
15	939	872	801	977	883	814	826	720	802	829	819	812	813	819	816	805	790	793	797	797	801	801	806	833	824
16	922	833	845	857	861	867	798	764	658	028	132	017	604	202	876	802	809	790	787	809	815	815	839	857	691
17	865	865	853	848	832	822	823	786	535	771			756	622	717	769	739	785	800	794	812	812	852	833	
18	831	838	839	839	838	837	808	794	630	490	556	808	865	849	840	825	815	813	819	816	818	822	828	829	794
19 Q	828	828	823	822	824	827	828	794	779	791	881	820	832	833	833	828	819	811	810	810	818	824	828	823	819
20	832	832	835	831	832	830	832	825	829	807	848	843	837	837	838	838	835	832	814	807	813	818	817	828	829
21 Q	839	839	838	838	838	838	838	839	839	839	839	831	834	843	841	843	839	832	825	819	812	822	825	832	834
22	836	841	842	845	843	839	839	839	836	832	844	843	832	832	823	836	825	813	828	826	821	827	839	833	834
23	839	848	860	872	890	854	836	833	831	716	839	840	839	839	836	831	820	814	825	829	831	817	831	846	834
24	824	838	840	839	837	838	831	822	756	793	842	831	834	831	834	838	832	829	820	824	823	820	831	829	826
25 Q	838	839	838	840	838	834	832	832	829	833	834	834	838	838	835	822	812	807	810	808	815	830	827	822	829
26	837	845	845	846	845	846	838	831	822	835	838	838	838	838	831	827	820	810	804	799	807	816	830	831	830
27 Q	836	840	840	840	840	840	846	839	841	834	834	835	839	841	842	838	829	820	815	827	832	838	843	843	836
28 D	848	854	932	889	838	843	856	775	551	181	152	667	407	572	718	635	739	655	720	792	852	860	866	845	710
29 D	816	897	924	869	826	736	554	666	331	738	775	569	787	736	550	424	733	760	767	785	838	874	809	813	732
30	869	940	930	831	870	569	827	794	585	624	790	826	831	820	667	695	784	749	761	853	865	891	889	880	798
31	837	866	846	855	824	776	620	697	578	240	193	431	312	627	794	832	756	802	750	819	807	879	844	845	701
Mean	845	850	858	864	857	820	799	786	736	674	715	742	750	758	801	790	807	799	799	812	819	831	833	837	799

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Meanook

D = 24° E + . . . ' .

October 1950

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	39.8	44.5	42.7	35.0	45.8	41.5	48.4	59.0	54.2	59.7	66.7	48.4	54.1	69.1	57.6	56.1	51.3	47.5	40.3	41.1	41.2	42.6	43.7	43.7	48.9
2 D	45.0		46.5		57.1	44.7	45.1									52.9	39.6	46.4		42.6	47.0	46.0	40.9		
3		43.6	47.4	56.1	61.0	80.1	48.4	56.3	50.8								52.2	48.0	43.0	46.5	47.5	41.8	44.4	43.6	
4	55.7	46.3	48.9	61.4			43.2	42.2	45.5	44.6	47.2	50.4	58.1	46.4		50.5	49.4	40.0	46.5	44.7		44.2	45.1	45.7	
5				62.1		36.9	41.5	60.9	51.5	73.4							52.2	49.3	45.5	46.0	44.6	47.0	45.0	52.4	
6	51.7	44.8	46.1	45.6	44.1	45.6	52.8	60.0	48.3	56.0							46.5	43.2	35.1	37.9	40.3	43.6	43.8	46.5	
7	45.5	44.7	47.3	44.7	45.6	43.5	41.2	44.9	43.2	57.6	57.3	49.5	49.3	46.5	48.5	39.9	45.0	43.6	43.6	48.0	45.6	42.7	42.7	45.0	46.5
8	44.6	49.3	46.5	46.4	45.4	40.4	44.7	45.1	48.7	48.5	50.5	50.5	46.5	49.9	51.3	51.6	51.8	48.9	44.7	42.7	42.0	42.7	43.8	46.0	46.8
9	45.1	49.8	47.8	50.9	45.2	45.7	47.1	46.2	51.0	46.1	57.7	51.3	53.0	52.3	52.4	51.7	49.3	44.5	41.9	41.6	42.2	43.2	43.2	45.1	48.1
10 Q	44.2	44.1	46.2	44.3	45.4	46.4	45.3	46.4	46.5	47.2	47.4	48.1	48.6	50.2	52.9	54.6	52.2	51.5	45.7	40.4	40.0	42.8	43.8	44.1	46.6
11	43.7	44.7	45.1	45.8	45.7	45.8	46.1	46.1	46.7	47.0	47.7	48.5	49.0	49.8	51.1	52.3	52.4	52.8	43.2	42.3	39.3	40.6	43.2	44.8	46.4
12	43.7	41.9	44.5	49.4	40.3	65.1	47.7	43.3	45.2	46.6	48.5	47.1	48.5	50.3	52.1	52.5	53.4	49.6	47.6	41.5	38.2	39.7	41.3	43.8	46.7
13	46.7	46.1	46.3	46.6	46.6	43.8	45.6	43.3	56.6	50.5	48.8	50.0	50.2	48.7	52.5	51.2	49.6	47.7	46.1	44.7	43.2	44.2	43.7	44.1	47.4
14 D	42.3	45.3	52.8	41.9	46.3	42.8	45.1	48.5	49.8	71.5	61.3	63.6	58.8	55.5	60.5	54.6	45.5	36.3	43.4	43.8	42.8	42.6	42.5	40.0	49.0
15	39.9	35.8	47.5	41.9	44.2	46.1	49.1	49.6	58.6	48.3	47.6	45.7	45.9	47.3	50.2	52.8	52.6	49.0	48.5	44.8	42.7	42.3	42.9	41.9	46.4
16	45.8	42.8	43.7	48.5	47.6	49.5	38.0	53.0	34.5	61.0	58.8	29.7	79.2	61.1	49.5	45.5	48.5	46.5	41.8	41.2	42.8	43.8	45.7	47.6	47.8
17	48.6	42.8	49.0	43.6	47.2	48.5	51.4	54.3	41.2	54.3	51.1	51.1	48.1	39.3	37.0	49.8	38.9	42.4	44.6	40.3	41.2	41.2	43.4	43.7	45.5
18	46.6	46.2	47.6	53.0	56.3	47.4	50.2	58.2	53.3	78.3	44.1	59.5	51.6	51.7	52.3	53.6	53.3	47.6	46.7	46.4	46.3	46.2	45.1	46.1	51.1
19 Q	45.8	45.7	45.8	48.5	47.7	46.7	48.5	44.1	48.5	50.3	47.7	47.6	50.4	47.9	49.5	51.0	51.1	51.0	48.5	46.7	45.2	44.2	44.0	45.2	47.6
20	45.0	46.3	46.9	46.6	46.4	46.3	45.8	46.7	48.3	47.6	49.8	46.7	46.2	46.6	48.5	50.5	53.7	54.3	48.5	46.7	43.8	42.8	43.7	44.8	47.2
21 Q	45.8	46.2	46.2	46.2	46.2	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
22	45.7	45.7	45.7	45.7	45.7	45.4	45.5	46.6	51.3	55.2	52.9	51.3	52.4	56.2	55.6	55.9	55.8	49.9	44.8	44.8	43.7	41.5	38.9	38.8	48.1
23	35.6	38.1	42.8	44.2	41.9	43.9	45.8	45.8	47.7	46.3	48.0	48.7	49.6	49.7	50.6	51.8	51.5	48.6	43.9	43.0	43.2	43.0	40.4	41.8	45.3
24	43.5	45.6	44.7	45.9	48.7	52.4	47.3	47.3	41.4	46.1	47.6	49.5	49.0	47.7	49.6	52.0	52.1	50.5	46.4	43.8	43.0	42.9	42.9	43.7	46.8
25 Q	45.3	45.8	45.9	47.5	45.9	45.8	46.2	46.3	46.2	46.5	46.8	46.8	47.4	47.8	49.1	52.0	52.0	50.1	47.6	45.5	43.8	43.8	43.8	44.8	46.8
26	44.9	45.7	45.8	43.8	43.6	46.5	45.8	47.0	52.4	50.6	47.2	47.6	48.2	48.7	49.2	50.1	49.6	49.2	45.8	41.7	40.0	42.4	44.7	45.8	46.4
27 Q	45.8	45.8	45.7	45.8	45.8	45.8	47.8	47.7	45.4	46.5	47.8	47.8	47.8	48.7	49.8	50.9	51.2	46.7	41.6	40.4	40.9	41.9	43.8	44.3	46.1
28 D	44.3	43.0	37.1	66.3	46.6	45.7	48.6	48.6	51.5	64.6	63.1	67.5	65.0	67.8	43.4	26.9	31.3	49.7	36.6	48.4	43.8	40.0	44.2	46.4	48.7
29 D	47.1	48.6	51.0	59.2	48.6	42.9	47.8	53.5	47.7	41.0	59.7	47.7	44.3	48.6	49.3	34.3	40.0	43.8	45.9	41.6	47.2	43.5	47.4	47.6	47.0
30	44.3	53.8	60.2	68.8	60.1	42.0	55.9	49.6	49.1	37.1	50.7	49.7	48.6	47.8	32.4	33.3	52.0	50.2	52.5	50.6	44.8	39.1	43.8	51.1	48.6
31	46.8	48.2	84.2	47.6	44.9	56.3	68.6	41.7	47.6	59.7	40.9	55.7	60.2	54.4	41.9	46.8	48.6	45.5	44.5	46.4	44.3	49.7	48.4	46.3	50.8
Mean	44.4	45.2	48.0	48.0	46.7	46.6	47.7	48.0	48.2	52.1	51.4	49.8	51.5	51.2	49.5	49.0	49.5	48.1	45.2	43.9	42.8	42.4	43.6	44.7	47.4

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 39 Meanook

Z = 58,000 γ +

October 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	935	994	930	729	897	850	978	988	1085	864	901	1090	693	407	768	877	908	918	924	931	925	933	925	919	890
2 D		936	967	833	922	927	900										878	919		974	994	1004	1004		
3			909	790	810	806	782	790	693								918	906	941	924	1016	930	952	973	
4	1011	951	934	923				779	770	781	833	840	870	902			927	897	989	969		934	945	942	
5							718	757	887	887									930	941	944	970	953	977	
6	962	932	920	919	920	941	872	759	833								884	908	920	920	922	932	965	961	
7	932	930	880	925	930	779	809	804	811	887	887	889	895	864	791	768	865	934	935	946	966	951	928	994	888
8	967	978	950	920	919	938	880	892	893	878	892	894	897	903	909	907	919	909	907	906	906	906	908	908	913
9	915	922	951	950	932	920	910	901	860	613	752	886	902	904	904	903	904	904	907	907	907	909	909	908	891
10 Q	908	908	908	908	909	909	911	903	903	903	897	896	900	900	898	900	900	897	896	896	900	905	908	907	903
11	907	907	908	901	901	901	908	908	908	908	908	908	902	902	903	903	898	897	898	896	900	900	898	900	903
12	904	914	951	962	928	795	905	893	914	903	862	875	891	905	905	905	905	905	908	919	931	933	929	925	907
13	929	921	930	942	932	922	887	725	795	892	908	898	896	894	889	897	897	897	901	908	907	917	910	909	896
14 D	910	966	976	869	1008	923	910	910	923	793	844	827	836	794	884	797	844	862	918	923	946	974	951	976	899
15	1038	1026	909	1038	924	930	908	729	865	907	908	896	888	908	909	913	909	909	919	919	921	924	919	931	919
16	934	951	978	1004	1005	962	930	822	812	790	1145	682	963	931	800	854	882	897	930	925	938	937	942	984	917
17	984	983	952	930	937	929	908	865	660	792				757	784	864	896	896	925	942	951	943	941	937	
18	933	938	930	930	908	897	897	855	661	769	748	814	907	911	913	911	913	913	900	909	919	919	920	920	885
19 Q	918	916	919	920	921	920	918	876	854	854	887	897	907	908	908	908	908	907	907	907	907	908	908	908	904
20	907	907	907	907	907	907	906	903	892	821	892	892	892	896	896	896	896	896	903	903	903	907	907	911	898
21 Q	906	906	906	906	906	906	905	905	905	905	905	891	873	898	903	903	903	903	892	892	894	901	903	904	901
22	904	904	904	904	904	907	904	905	894	890	894	894	888	869	861	879	892	887	902	901	902	904	908	915	896
23	946	966	946	957	977	945	914	911	905	841	896	911	905	907	906	904	903	894	903	903	907	915	917	923	917
24	935	930	928	923	914	896	900	881	786	782	888	892	901	902	905	911	910	907	904	904	908	907	909	907	897
25 Q	914	916	918	915	911	913	907	907	904	903	903	904	908	908	908	911	908	903	904	904	904	907	907	913	908
26	911	910	913	915	923	921	913	904	869	892	905	905	904	904	903	903	903	901	894	900	908	904	905	905	905
27 Q	905	905	903	903	903	905	908	913	911	904	902	902	901	901	902	902	902	903	897	903	904	904	904	904	904
28 D	904	905	978	990	941	934	933	853	603	583	641	1194	959	890	883	763	763	870	958	980	991	957	977	946	892
29 D	1011	1007	969	957	935	784	794	866	683	865	865	855	913	826	850	826	881	913	904	932	964	999	990	1000	900
30	970	925	893	923	907	861	908	918	725	666	844	904	929	914	790	864	897	930	1030	1028	1013	966	935	994	905
31	950	980	955	994	941	908	833	865	732	681	735	700	688	833	882	911	901	946	931	1001	961	1005	957	941	885
Mean	932	937	930	929	928	897	899	878	844	828	873	892	886	871	879	881	894	904	915	922	925	928	923	930	901

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Meanook

October 1950

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range γ	Maximum 24° E +		Minimum 24° E +		Range '	Maximum 58,000 γ +		Minimum 58,000 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1 D	02 21	1148	09 12	-10	1158	09 20	98.0	09 31	-01.4	99.4					
2 D															
3															
4															
5															
6															
7	02 23	911	14 53	481	430	09 33	74.1	05 52	04.4	69.7	02 26	1027	05 45	560	467
8	06 20	886	11 14	771	115	06 20	55.5	06 55	37.5	18.0	02 30	990	06 29	831	159
9	10 54	879	10 00	552	327	10 06	68.4	09 45	32.4	36.0	02 52	967	09 11	556	411
10 Q	22 47	855	17 59	785	70	15 06	56.3	20 18	38.6	17.7	00 03	922	19 10	883	39
11	21 55	867	17 36	803	64	17 36	60.1	20 34	38.5	21.6	06 24	916	17 36	891	25
12	05 09	989	18 52	769	220	05 08	78.9	04 25	33.7	45.2	02 51	1000	05 25	850	150
13	06 54	894	07 19	592	302	08 05	60.7	07 18	31.8	28.9	03 33	956	07 17	642	314
14 D	03 57	1019	12 19	403	616	09 12	105.4	18 05	29.1	76.3					
15	02 24	1214	07 31	614	600	02 50	71.2	07 15	30.9	40.3	00 36	1088	07 07	635	453
16						09 51	142.5	06 49	-27.0	169.5					
17						09 00	74.2	08 15	09.4	64.8					
18	12 18	879	09 59	374	505	09 20	94.8	11 20	23.4	71.4	02 52	948	08 47	610	338
19 Q	21 44	842	07 51	714	128	09 30	54.4	08 51	39.8	14.6	03 33	934	07 52	818	116
20	10 04	857	09 18	759	98	17 49	55.7	09 05	37.8	17.9	06 47	924	09 16	765	159
21 Q	00 45	854	20 34	801	53	16 30	54.0	20 25	40.4	13.6	00 05	915	12 11	863	52
22	22 42	879	19 28	782	97	17 06	61.4	18 05	32.3	29.1	22 39	933	14 56	850	83
23	04 25	910	09 37	619	291	16 10	55.6	00 50	28.9	26.7	00 58	1001	09 38	796	205
24	02 11	856	08 50	657	199	05 15	59.7	08 43	33.6	26.1	00 35	957	08 50	679	278
25 Q	02 22	847	18 23	799	48	15 22	53.9	22 03	41.3	12.6	02 47	925	10 37	901	24
26	01 34	863	19 08	791	72	08 46	56.5	20 28	39.3	17.2	04 24	932	08 56	834	98
27 Q	02 26	856	18 21	805	51	16 10	53.2	19 18	38.7	14.5	07 22	927	11 01	893	34
28 D						09 35	139.5	08 50	02.9	136.6	11 46	1270	08 36	236	1034
29 D						08 22	87.7	08 58	02.0	85.7	00 08	1086	08 26	330	756
30	00 58	1070	05 37	330	740	03 51	79.2	05 50	04.4	74.8	18 57	1084	08 32	599	485
31						12 52	133.0	06 36	02.3	130.7	02 56	1053	11 51	473	580
Mean		922		628	294		76.3		24.0	52.3		989		704	285
No. days		21		21	21		26		26	26		22		22	22

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 41 Meanook

H = 12,000 γ +

November 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	830	839	840	879	873	840	783	505	302	741	528	290	489	619	654	599	666	822	790	840	826	833	847	839	711	
2	848	836	847	838	832	840	840	828	597	631	607	737	753	776	773	800	824	857	816	816	820	829	840	830	792	
3	829	828	845	846	833	826	825	818	784	790	825	833	836	836	840	836	817	809	816	816	816	820	826	825	824	
4 D	828	824	819	850	844	683										556	733	829	848	840	839	840	863	834		
5	837	839	825	823	825	770	800	818	796	668	719	834	825	832	834	829	819	810	800	809	825	816	831	833	809	
6 Q	830	832	832	828	829	828	832	832	827	816	839	832	832	839	839	833	830	823	823	823	825	828	828	831	830	
7 Q	834	836	839	838	838	837	838	837	837	839	839	839	839	839	838	833	824	814	810	815	828	832	837	838	833	
8	845	846	838	847	845	846	845	845	844	843	847	847	846	850	845	838	827	810	810	827	838	845	842	838	840	
9	843	845	846	842	845	847	848	846	846	839	839	839	844	845	843	841	836	828	833	839	831	841	845	851	842	
10	846	858	873	952	851	849	791	600	433	486	475	490	586	618	643	849	847	791	777	798	814	830	839	841	739	
11	897	874	897	946	959	854	845	818	636	728	753	779	788	781	837	838	823	821	817	820	824	828	832	837	826	
12	858	842	845	860	890	925	890	604	609	614	823	818	811	825	777	805	813	823	822	811	817	826	823	844	807	
13	844	843	843	848	893	904	808	843	814	793	828	789	607	687	817	852	854	823	804	810	804	801	832	851	816	
14	837	838	831	845	842	837	817	829	838	835	837	832	837	831	823	812	813	819	817	804	811	807	825	835	827	
15 Q	842	844	844	844	841	836	836	836	837	843	844	843	839	839	838	838	836	828	816	822	825	826	841	838	836	
16	840	843	843	844	843	843	842	844	844	843	843	843	844	843	844	843	843	839	827	826	836	830	846	848	841	
17	854	854	856	856	846	844	860	888	848	853	844	832	850	840	841	839	844	822	828	825	815	817	820	840	842	
18	850	851	848	844	844	841	841	843	844	843	844	839	825	860	836	840	838	829	805	768	802	828	829	836	834	
19 Q	843	840	843	849	844	848	844	840	820	836	839	836	836	835	835	835	829	818	820	827	831	835	835	838	836	
20 Q	840	842	849	843	850	845	842	840	845	844	838	843	840	840	840	840	837	828	820	820	821	827	829	835	837	
21	836	840	844	846	843	843	843	844	844	844	844	843	843	846	845	843	845	836	827	829	828	828	828	831	839	
22	840	840	842	839	840	840	843	842	843	843	843	843	843	843	828	812	835	771	805	835	819	825	837	829	837	
23	833	839	835	834	835	835	834	832	827	827	834	834	833	830	828	835	833	827	822	818	822	827	832	840	831	
24	842	844	813	808	802	800	802	802	813	813	804	804	813	813	813	812	802	770	747	790	819	827	834	838	809	
25 D	818	975	845	852	927	820	873	891	621	633	535	442		855	845	840	817	800	812	816	818	835	835	846		
26 D	846	858	875	833	899	844	840	826	527		732	477	628	782	779	789	749	775	825	863	839	824	848			
27 D	815	828	879	894	863	828	632	697	796	711	512	423	802	800	715	778	779	806	816	810	833	846	835	847	773	
28	845	857	858	860	870	722	821	813	715	579	773	699	541	584	821	849	828	817	789	824	915	848	813	846	787	
29	865	859	847	865	833	845	824	808	691	717	769	796	687	723	804	856	831	816	807	825	817	842	841	833	808	
30	849	840	850	856	853	849	825	840	797	767	813	835	846	844	842	842	843	824	804	800	807	818	824	829	829	
31																										
Mean	843	844	846	855	850	838	824	800	760	770	778	773	783	796	810	824	820	820	811	816	825	829	833	842	816	

DECLINATION
Mean values for periods of sixty minutes; Universal Time

Table 42 Meanook

D = 24° E + . . . '

November 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	46.2	48.7	63.1	68.7	48.2	46.2	54.2	24.2	43.9	43.9	44.7	27.5	42.4	39.2	38.1	35.1	30.4	40.0	45.9	45.8	44.3	43.0	44.8	47.6	44.1	
2	48.0	45.8	57.0	48.6	47.6	59.1	47.6	52.5	45.8	51.3	45.8	47.7	52.4	50.7	50.2	48.7	46.1	46.0	44.8	43.4	43.5	44.3	44.8	43.5	48.1	
3	44.9	49.5	53.0	56.8	49.0	47.5	46.7	47.4	48.6	45.8	47.7	47.7	47.2	46.6	48.1	50.5	48.1	45.5	42.9	42.4	42.9	44.3	46.3	46.3	47.3	
4 D	45.7	44.3	46.3	48.6	41.4	49.6	53.9	59.0	59.7	60.5	85.9	104.8	79.7	56.8	42.2	62.3	47.2	41.1	43.8	43.0	42.6	45.8	46.4	44.7	54.0	
5	47.7	48.6	45.5	47.2	48.4	41.9	42.0	47.1	45.2	33.3	42.8	49.6	50.3	47.3	49.7	52.4	52.0	51.6	44.8	43.9	44.9	43.8	44.5	44.3	46.2	
6 Q	45.3	47.5	48.4	48.0	47.2	47.2	48.3	47.9	45.3	43.8	45.3	49.6	47.2	48.7	50.0	51.8	51.2	49.7	47.7	45.8	44.9	45.3	45.8	45.9	47.4	
7 Q	45.8	45.3	45.9	45.8	45.8	45.9	46.3	45.9	46.6	46.8	47.1	47.3	42.8	48.1	49.0	50.0	50.8	49.5	46.2	43.7	43.4	44.3	44.0	41.9	44.7	
8	43.4	42.4	43.0	43.0	44.5	45.3	45.2	44.9	44.6	45.9	46.6	47.2	48.4	48.1	49.2	51.5	51.4	45.3	39.3	38.1	38.7	40.6	43.4	44.2	45.0	
9	44.4	43.9	44.8	46.4	43.1	44.7	44.2	44.0	43.9	45.6	46.8	46.8	47.4	48.1	49.1	50.4	49.6	49.4	43.9	42.1	41.2	40.1	41.2	40.7	45.0	
10	41.1	39.7	36.5	31.9	45.0	45.4	43.9	49.2	46.4	57.4	57.1	66.0	71.8	88.1	65.6	51.3	52.7	45.9	40.0	37.3	36.4	40.1	42.0	41.7	48.8	
11	48.5	42.5	44.4	55.6	52.6	49.2	50.6	56.3	57.5	59.3	59.5	60.7	56.0	59.3	49.2	54.9	52.0	50.7	47.7	44.7	42.8	43.0	44.4	45.4	51.1	
12	44.0	50.8	50.8	49.6	53.5	50.6	46.1	38.2	42.1	46.4	46.3	47.5	49.2	49.1	48.7	45.8	45.4	46.4	45.4	43.9	42.7	43.0	42.0	44.9	46.4	
13	42.0	44.3	47.8	47.2	52.6	59.0	45.1	45.5	45.0	46.1	46.8	53.6	54.5	59.2	57.9	55.5	53.6	50.8	45.8	45.4	44.4	42.0	42.2	45.4	48.8	
14	43.9	47.3	51.5	48.7	46.4	47.4	39.0	46.4	44.9	45.9	46.9	47.9	47.5	49.2	48.5	44.9	43.5	43.0	42.9	41.2	41.5	41.5	43.9	44.9	45.3	
15 Q	46.6	46.6	46.9	46.9	46.4	46.5	45.8	45.8	46.1	45.9	46.0	47.5	47.3	48.3	49.2	51.2	51.6	51.2	48.7	45.0	42.7	42.7	42.4	42.2	46.6	
16	43.3	43.9	45.7	45.6	45.7	45.9	45.4	45.4	45.9	45.9	45.9	46.4	45.9	46.7	47.3	48.5	49.5	50.2	48.4	45.1	43.0	42.0	40.6	41.1	45.6	
17	42.5	43.9	47.3	47.1	46.0	45.6	46.4	38.5	44.0	44.4	47.5	51.5	48.7	48.7	50.2	52.1	50.4	51.2	45.6	44.7	43.9	42.0	41.5	42.4	46.1	
18	44.9	46.2	46.5	46.5	46.7	46.4	46.0	45.6	45.7	45.9	46.4	47.2	44.7	47.4	50.0	50.7	49.9	49.1	51.6	44.4	32.4	44.0	42.0	45.9	46.1	
19 Q	44.4	47.2	46.7	45.9	45.9	52.6	43.4	44.5	38.2	46.1	46.8	47.3	47.2	47.3	47.7	48.3	49.6	49.0	46.4	45.1	44.0	44.0	44.5	44.9	46.1	
20 Q	45.5	45.0	45.4	46.1	45.1	44.0	44.9	45.5	46.0	45.2	45.8	46.2	46.9	46.9	47.5	48.3	48.5	47.4	43.1	42.2	41.6	42.6	44.0	44.9	45.4	
21	45.1	45.6	45.5	45.5	45.5	45.4	45.2	45.9	45.5	46.1	46.9	48.0	47.9	48.0	48.0	48.0	48.1	48.8	45.5	44.5	44.0	42.6	44.0	44.0	46.0	
22	44.1	46.0	46.5	46.0	45.9	44.9	46.1	42.6	45.0	45.5	47.4	48.4	49.8	51.3	51.2	58.5	43.1	38.3	37.7	44.0	41.6	40.2	43.3	38.4	45.2	
23	43.9	46.9	46.9	47.4	46.5	45.9	45.0	45.0	46.4	45.6	46.8	48.0	48.0	48.1	48.0	48.4	47.9	46.4	44.9	42.6	41.0	42.1	46.0	45.3	45.0	
24	45.4	46.5	46.5	46.5	46.5	46.2	45.8	46.3	46.6	45.6	45.6	46.3	46.6	47.3	47.7	49.1	50.0	45.6	38.4	24.8	29.5	35.4	42.1	40.1	43.8	
25 D	47.1	46.0	50.7	49.4	58.2	72.9	54.7	46.5	21.5	39.3	38.0	30.9	27.7	52.4	52.3	51.3	48.6	38.8	39.1	38.0	39.1	42.7	46.5	47.0	44.9	
26 D	47.4	48.4	47.9	73.8	53.7	45.7	43.1	44.6	24.4	13.4	50.7	57.9	37.1	46.0	45.0	35.1	42.5	33.9	31.6	40.2	47.6	48.9	45.0	46.5	43.8	
27 D	63.3	54.2	49.9	70.6	56.0	51.0	45.5	43.7	43.7	46.3	47.1	22.8	47.0	54.1	48.8	42.9	41.1	49.7	44.7	44.1	44.1	45.0	47.9	46.9	47.9	
28	58.4	65.3	58.6	60.1	53.7	43.1	48.0	48.5	55.5	33.0	52.4	59.4	42.3	19.6	56.1	51.7	45.1	47.4	41.2	49.8	48.8	44.0	41.6	54.0	49.1	
29	57.0	53.1	47.4	63.4	54.5	51.2	41.9	43.1	33.5	39.3	53.7	53.8	52.7	43.0	50.3	53.1	51.8	47.2	44.0	42.1	40.7	44.9	48.6	44.5	48.0	
30	45.9	48.0	48.8	54.5	47.9	45.6	46.0	48.9	39.3	34.3	50.9	48.7	47.4	48.1	48.4	48.4	49.0	45.0	42.1	37.7	39.7	43.0	42.5	43.4	45.6	
31																										
Mean	46.5	47.1	48.2	50.7	48.3	48.3	46.2	45.6	44.2	44.5	48.9	49.8	48.9	49.4	49.4	49.7	48.0	46.5	43.8	42.6	41.9	42.9	43.9	44.4	46.6	

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 43 Meanook

z = 58,000 γ +

November 1950

Day	Hour U. T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
		to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D		931	938	961	941	963	937	834	631	779	833	795	510	641	628	795	848	847	895	946	951	933	929	946	946	848	
2		950	951	952	929	929	924	922	898	737	657	809	795	847	856	856	916	919	919	913	920	930	930	930	925	888	
3		930	946	944	951	950	932	922	908	813	839	867	909	919	919	920	921	922	916	914	919	923	924	924	923	915	
4 D		924	933	945	973	876	822	735	994	941	845	994	974	849	908	801	897	919	961	929	915	924	934	944	934	911	
5		947	941	941	938	932	855	854	911	887	794	801	907	916	934	927	928	924	924	914	914	924	928	937	937	909	
6 Q		934	930	929	928	920	920	907	898	909	897	919	918	914	919	920	921	914	920	920	920	920	920	920	920	918	
7 Q		920	920	920	920	920	920	920	917	918	913	915	914	917	915	915	913	914	914	919	919	919	919	919	918	917	
8		919	923	948	967	950	930	921	921	921	921	921	914	917	918	916	916	916	916	906	906	909	919	919	919	922	
9		923	924	924	930	933	932	928	928	928	924	924	923	918	918	918	918	918	918	914	914	918	918	924	924	923	
10		925	941	962	1069	984	941	882	924	963	881	790	641	850	694	892	931	929	918	962	941	931	941	946	956	908	
11		1038	1003	1045	1039	1038	961	932	910	752	791	815	808	847	837	888	891	918	925	908	914	927	934	937	938	916	
12		983	957	964	994	989	990	879	867	750	793	889	891	894	896	854	901	916	957	914	924	934	946	957	974	917	
13		969	951	945	963	967	897	876	896	908	924	922	896	864	776	942	919	951	941	951	962	969	952	952	963	927	
14		952	957	950	951	962	951	896	913	929	927	924	920	922	914	918	910	918	918	913	919	931	934	930	929	929	
15 Q		924	924	924	924	924	924	924	924	924	924	924	919	919	916	918	922	923	923	924	924	924	924	927	924	923	
16		930	930	930	929	929	927	924	924	922	922	922	923	923	921	922	924	924	924	918	923	924	924	925	925	925	
17		935	936	934	930	929	930	946	905	914	927	924	921	924	924	915	924	924	923	922	922	933	957	941	938	928	
18		934	930	931	928	924	924	929	929	929	924	924	918	901	933	914	924	930	923	920	937	942	931	947	934	928	
19 Q		947	945	935	938	950	960	944	941	913	924	933	932	932	933	932	929	929	931	929	929	929	929	929	929	934	
20 Q		929	929	929	929	929	929	930	930	930	930	921	920	924	922	924	920	920	923	934	932	931	931	931	931	927	
21		930	930	930	930	930	930	930	929	929	929	929	927	921	922	919	920	920	920	924	924	924	930	934	934	927	
22		941	941	941	941	941	934	938	938	938	938	930	930	930	920	908	864	875	842	833	888	914	925	934	958	1027	922
23		961	930	929	929	930	941	942	935	925	924	932	935	935	931	929	930	928	932	925	924	927	934	934	934	932	
24		933	933	934	934	934	934	934	934	924	927	943	936	934	934	934	934	934	931	931	908	922	925	934	937	962	933
25 D		1054	1016	962	966	854	768	849	916	905	776	737	674	554	913	891	903	923	907	897	911	922	937	942	945	880	
26 D		945	947	989	961	999	933	932	929	932	260	364	717	739	745	808	806	875	891	941	962	993	984	962	974	858	
27 D		1036	973	994	941	979	927	659	803	876	874	804	757	845	838	875	888	896	930	934	952	951	957	957	951	900	
28		984	994	1005	1003	994	790	887	887	812	693	840	827	779	714	815	931	941	967	957	1004	1070	1006	985	974	911	
29		1015	973	963	981	931	948	880	906	779	836	821	880	838	844	870	919	932	929	941	950	952	983	963	951	916	
30		952	961	962	949	932	949	925	934	896	805	838	908	932	934	936	941	934	932	934	935	946	949	941	934	927	
31																											
Mean		953	947	951	954	944	919	896	906	886	848	866	865	871	875	894	911	917	922	924	930	937	939	940	942	914	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Meanook

November 1950

Day	Horizontal Intensity					Declination					Vertical Intensity										
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range γ	Maximum 24° E +		Minimum 24° E +		Range '	Maximum 58,000 γ +		Minimum 58,000 γ +		Range γ						
	h.	m.	γ	h.		m.	γ	h.	m.		'	h.	m.	γ		h.	m.	γ			
1 D	04	04	910	11	54	<u>146</u>	<u>764</u>	03	00	92.9	07	29	-21.6	114.5	04	16	1002	11	24	322	680
2	02	32	865	08	45	422	443	05	36	73.7	08	42	25.3	48.4	02	10	985	09	59	595	390
3	02	49	890	08	36	741	149	02	42	70.4	09	25	40.7	29.7	03	24	988	08	30	722	266
4 D								01	17	<u>180.0</u>	10	14	-16.6	<u>196.6</u>							
5	06	11	864	09	34	536	328	17	02	55.6	09	38	20.7	34.9	00	33	966	10	04	716	250
6 Q	06	50	864	09	13	794	70	06	42	53.8	09	09	41.8	12.0	00	34	945	07	00	817	128
7 Q	09	54	844	17	45	802	42	16	50	52.0	23	30	42.5	09.5	06	02	925	09	29	906	<u>19</u>
8	12	25	856	17	50	796	60	16	01	53.0	18	51	36.8	16.2	03	06	988	12	03	903	85
9	23	57	862	17	56	812	50	17	14	52.0	23	40	39.0	13.0	04	37	944	18	09	914	30
10	03	26	1001	08	37	281	720	11	30	130.5	08	31	12.0	118.5	08	51	<u>1173</u>	11	24	<u>259</u>	<u>914</u>
11	00	22	1023	08	14	509	514	07	11	68.5	01	55	37.7	30.8	00	21	1109	08	10	700	409
12								06	28	79.4	06	55	05.9	73.5							
13	05	03	949	12	30	437	512	05	06	77.2	06	09	30.1	47.1	00	02	1002	13	00	724	278
14	02	23	864	06	49	781	83	02	22	59.8	06	44	30.3	29.5	02	12	978	06	46	861	117
15 Q	22	12	854	18	54	810	44	07	40	50.9	23	30	40.8	10.1	00	01	934	11	09	915	<u>19</u>
16	22	54	866	18	43	811	55	16	00	53.5	22	21	38.0	15.5	00	56	936	13	11	915	21
17	07	10	1041	21	07	783	258	17	33	50.0	07	35	17.7	32.3	21	26	980	07	52	821	159
18	13	26	874	19	57	730	144	15	55	56.9	20	25	28.0	28.9	20	30	974	12	48	861	113
19 Q	00	11	866	08	39	782	84	05	01	54.7	08	32	30.0	24.7	05	12	979	08	43	891	88
20 Q	03	00	859	18	44	801	58	16	09	51.3	20	11	40.5	10.8	19	37	936	10	44	914	22
21	16	24	852	22	46	815	<u>37</u>	16	16	50.0	23	41	41.3	<u>08.7</u>	23	17	946	14	48	917	29
22	23	26	<u>1047</u>	16	26	727	320	15	15	63.5	23	29	30.5	33.0	23	35	1075	17	07	807	268
23	00	02	889	19	16	811	78	13	36	49.4	00	06	37.0	12.4	00	01	1002	09	06	916	86
24								16	55	63.2	19	15	33.3	29.9							
25 D								05	07	100.6	11	49	-26.7	127.3							
26 D								12	00	112.8	08	50	-45.5	158.3							
27 D								03	12	104.6	06	41	-50.0	154.6							
28								05	25	84.5	13	25	-14.3	98.8	20	09	1136	05	44	583	553
29	03	24	920	12	31	548	372	03	34	77.3	08	27	25.2	52.1	00	36	1057	08	23	721	336
30	03	39	905	08	58	731	174	03	43	81.0	08	58	27.0	54.0	03	39	1011	08	59	769	242
31																					
Mean			903			670	233			73.4			19.2	54.2			999			770	229
No. days			23			23	23			30			30	30			24			24	24

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 45 Meanook

H = 12,000 γ +

December 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	842	849	845	846	839	820	829	835	835	835	840	835	835	840	843	847	846	837	831	828	828	828	835	844	837	
2	848	848	844	831	846	850	843	835	837	838	826	806	836	852	851	848	842	844	831	823	827	827	835	852	838	
3	851	850	845	841	833	843	851	849	845	823	830	838	851	843	839	845	842	836	831	834	827	824	834	845	840	
4 Q	848	850	850	847	841	846	846	841	839	839	845	846	844	846	840	841	846	839	838	824	820	830	835	842	841	
5	844	852	855	855	854	850	845	847	845	846	848	857	856	853	852	852	852	833	795	820	827	830	834	842	844	
6	856	851	842	843	843	841	840	812	706	505	479	468	836	870	851	830	833	844	841	841	843	842	848	846	792	
7	851	847	834	857	850	846	839	841	842	842	842	847	849	847	855	851	850	850	833	830	816	823	823	839	842	
8	844	846	848	850	848	848	846	848	846	841	834	795	802	836	851	850	848	822	807	834	826	827	827	833	836	
9	834	846	846	834	827	834	835	834	781	819	832	833	839	842	838	844	845	838	830	827	827	827	834	839	833	
10	845	840	840	837	849	845	812	835	826	808	835	842	840	848	838	836	841	834	824	813	814	822	826	836	833	
11 Q	842	843	843	843	850	850	839	835	839	834	825	846	846	843	843	823	835	827	827	826	832	834	834	835	837	
12	834	834	834	834	834	839	836	839	813	778	773	810	835	834	845	847	842	849	824	808	812	813	839	871	828	
13 D	994	1030	839	839	853	839	847	529	507	450	434	601	743	696	789	788	810	797	800	801	805	846	898	936	770	
14 D	1055	995	1033	1033	836	810	817	820	823	827	828	828	828	827	823	811	824	801	775	742	817	859	867	835	855	
15	827	834	835	845	854	838	839	839	839	834	835	833	819	813	843	836	836	827	797	784	823	820	829	839	830	
16	841	843	856	855	863	850	836	834	826	796	714	731	794	852	848	843	835	826	828	825	820	825	833	835	824	
17	842	845	843	840	838	845	842	835	805	814	741	842	849	843	842	842	841	842	828	832	833	836	843	846	834	
18	842	849	851	850	848	845	843	843	842	842	842	846	833	835	843	846	839	823	820	828	845	842	835	841	841	
19	827	850	851	853	852	846	851	849	843	835	814	837	842	828	832	844	845	832	821	835	828	831	835	839	838	
20	842	846	847	847	848	851	851	842	843	835	785	823	846	845	850	852	851	837	842	827	835	836	828	820	839	
21 Q	844	857	856	848	844	843	839	841	843	842	831	828	850	846	845	844	842	833	833	833	833	835	840	845	841	
22 D	851	851	851	849	848	853	850	849	847	846	836	775	609	594	658	683	827	807	792	785	852	843	824	843	801	
23 D	865	987	875	934	847	840	672	542	375	527	755	757	661	671	882	827	790	782	829	838	839	826	828	843	775	
24 D	856	863	867	845	856	837	837	747	580	695	644	674	753	759	828	778	515	750	829	849	853	835	851	846	781	
25	868	871	852	867	864	839	843	821	689	727	757	705	611	722	742	739	814	833	815	789	829	823	831	840	795	
26	848	843	853	856	852	835	656	528	504	426	621	806	757	786	801	816	816	847	835	803	812	828	837	844	767	
27	835	814	835	858	850	852	842	828	622	708	772	704	757	820	853	846	851	828	828	825	821	835	807	835	809	
28	847	842	839	846	847	835	811	810	794	723	736	782	809	828	844	856	843	831	832	831	820	827	831	836	821	
29	843	845	843	841	836	813	844	828	812	764	834	846	845	845	847	848	843	831	824	821	827	835	835	838	833	
30	835	847	850	849	847	847	842	840	835	828	841	839	847	847	846	846	847	833	824	828	835	832	840	845	840	
31 Q	851	853	851	851	852	851	849	843	846	845	844	845	847	851	850	850	844	840	831	834	842	847	848	851	846	
Mean	857	862	853	856	847	841	828	805	772	767	777	791	805	815	833	829	827	828	822	820	828	832	837	845	824	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Meanook

D = 24° E + . . . ' .

December 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	44.6	46.1	47.1	47.3	47.0	52.3	42.4	52.2	48.0	46.1	46.8	48.8	48.9	47.0	48.4	49.4	50.8	50.9	47.0	44.1	44.1	43.7	44.2	45.1	47.2
2	45.6	46.4	46.1	45.6	43.2	53.8	48.0	47.0	46.6	45.3	41.7	43.7	48.9	49.8	48.8	50.0	46.2	44.6	41.7	43.7	42.2	43.2	44.1	45.0	45.9
3	45.0	45.7	45.4	46.0	46.6	46.6	50.5	49.8	46.1	41.6	40.8	44.1	47.0	46.9	46.8	48.0	48.8	48.5	46.6	45.1	44.1	41.7	42.7	44.3	45.8
4 Q	43.6	45.0	46.1	45.6	45.6	45.1	46.0	46.2	49.4	48.0	48.0	47.1	47.4	47.5	46.6	47.0	49.9	47.0	46.1	43.2	41.4	40.3	41.3	42.3	45.7
5	43.3	43.2	45.1	46.6	47.0	47.0	47.0	46.7	46.2	47.0	48.5	48.0	48.1	48.2	48.8	49.9	50.9	51.8	41.6	36.6	37.4	42.4	45.1	44.6	45.9
6	44.1	45.6	46.2	46.2	45.2	45.1	49.8	59.2	64.6	66.0	69.2	44.2	49.8	50.0	50.2	45.4	43.7	43.9	43.7	43.1	44.1	42.7	44.2	46.1	48.8
7	45.6	45.1	52.8	48.8	46.6	45.2	45.1	45.0	45.6	46.1	47.1	47.0	47.4	48.0	47.1	45.8	47.0	47.0	45.6	44.1	42.2	42.2	44.2	45.8	46.1
8	46.2	47.1	46.6	46.0	46.0	46.1	45.0	46.3	47.5	49.4	51.8	59.5	57.1	57.6	49.8	48.4	48.9	43.4	34.6	41.3	42.1	44.2	45.2	45.2	47.3
9	44.9	46.6	46.6	47.0	59.5	48.5	47.0	47.5	38.9	43.2	47.1	49.0	48.9	48.9	48.9	48.0	48.0	46.6	44.4	44.1	43.4	43.5	44.6	44.1	46.6
10	44.7	45.9	45.2	48.8	46.7	48.1	43.4	46.7	46.9	44.5	45.2	49.2	50.0	47.1	47.1	46.6	47.6	48.9	45.3	43.6	41.7	41.1	42.6	44.7	45.9
11 Q	45.1	46.2	46.1	47.2	50.0	48.5	47.1	45.9	46.2	44.7	41.9	46.8	47.7	48.2	47.7	48.2	47.9	47.5	44.2	42.8	42.0	43.3	44.7	45.2	46.0
12	45.4	45.6	46.1	46.5	46.7	45.4	44.8	45.8	46.1	49.5	45.4	51.8	51.1	50.4	49.3	47.3	47.5	47.7	44.2	40.8	41.7	42.4	41.4	46.6	46.2
13 D	47.8	41.6	45.8	45.5	48.5	49.0	52.0	20.5	35.7	61.4	48.3	49.9	59.3	45.8	45.8	41.0	42.0	43.3	44.7	39.9	41.8	39.9	35.1	45.6	44.6
14 D	45.2	40.9	32.2	46.9	48.1	46.2	47.1	46.3	46.2	47.0	47.2	48.1	48.1	47.1	47.1	46.7	49.0	44.2	48.1	24.2	36.1	50.5	45.2	41.3	44.5
15	45.2	44.9	46.2	48.2	45.7	45.8	46.2	45.9	44.8	46.8	47.1	49.2	51.3	50.1	50.9	51.1	51.2	51.0	40.4	34.4	38.5	39.4	42.8	45.3	45.9
16	42.5	45.3	44.6	46.3	63.1	48.2	45.6	46.2	45.6	48.1	42.9	38.2	43.2	47.6	47.1	49.0	50.9	51.0	47.2	46.8	44.9	44.3	43.3	44.4	46.5
17	45.7	46.3	46.7	46.9	48.2	50.0	45.7	45.5	41.4	50.2	43.2	47.9	47.6	46.3	46.9	47.6	49.4	49.8	47.1	45.7	45.9	44.2	42.3	43.5	46.4
18	44.3	44.8	45.7	47.0	47.1	47.1	46.6	46.1	46.1	45.7	45.9	46.2	49.5	47.2	46.3	48.9	50.5	48.1	45.3	42.3	40.4	42.2	43.7	44.2	45.9
19	44.3	46.3	44.8	46.1	46.4	42.5	55.7	46.7	45.7	46.0	44.6	48.1	48.9	45.2	46.5	48.9	48.2	48.1	40.9	38.4	39.9	42.3	43.3	44.2	45.5
20	44.9	45.1	44.7	46.2	47.1	46.6	47.3	46.3	47.3	48.6	44.7	52.9	51.0	48.1	48.2	50.0	50.0	49.9	48.0	46.0	45.7	44.2	43.5	43.4	47.1
21 Q	43.9	45.0	45.6	46.9	46.9	47.8	46.3	48.0	46.9	46.6	46.1	49.7	49.5	48.6	48.3	48.8	49.0	48.5	44.8	44.2	43.7	43.8	44.2	44.8	46.6
22 D	45.2	45.3	45.3	45.3	46.5	45.3	45.2	45.7	45.7	45.7	47.1	55.8	68.9	83.6	69.6	63.9	43.3	45.2	39.9	43.6	32.7	44.1	44.1	43.1	49.2
23 D	37.4	49.9	49.2	48.9	47.7	50.6	51.6	51.3	53.9	30.8	55.0	56.2	60.1	52.0	44.6	48.2	39.2	34.6	40.4	41.4	42.8	44.2	44.4	47.6	46.8
24 D	52.1	50.6	45.8	48.0	51.8	48.9	46.8	39.4	46.9	40.6	49.4	50.3	48.9	45.6	43.7	42.1	28.0	26.1	40.8	44.1	45.6	45.6	48.0	46.6	44.8
25	51.8	51.8	50.1	50.7	54.7	48.0	52.6	44.0	34.1	52.8	54.2	47.0	42.8	40.6	42.8	42.2	38.9	42.2	43.3	41.7	44.2	45.6	46.6	47.0	47.5
26	45.0	59.5	58.4	61.4	53.7	48.0	47.0	37.4	62.5	24.0	66.9	53.8	48.5	45.1	39.3	41.2	43.2	37.1	44.2	41.1	38.9	41.3	44.1	45.7	47.0
27	45.0	48.0	53.3	49.9	60.7	56.5	48.0	43.4	36.6	44.6	51.4	47.7	44.1	49.4	48.5	48.9	48.4	47.2	44.1	43.7	42.7	45.0	42.8	43.1	47.2
28	46.6	44.6	49.0	48.9	47.9	49.6	39.8	42.6	51.5	54.2	48.9	49.9	45.1	46.1	47.1	48.8	46.2	44.6	46.6	46.6	43.3	45.2	45.6	46.2	46.9
29	45.6	45.4	47.0	47.1	47.5	43.6	49.4	49.4	47.3	39.8	45.1	47.1	47.5	47.8	48.0	48.0	48.8	47.0	44.6	43.2	43.2	43.2	43.1	44.1	46.0
30	45.0	46.1	47.0	47.0	46.7	46.6	46.7	46.2	47.6	47.0	48.0	45.4	46.1	47.1	48.5	48.8	49.4	48.5	47.5	45.0	43.2	43.7	43.7	45.6	46.5
31 Q	46.1	46.1	46.9	46.9	46.7	48.0	43.3	46.6	46.6	47.6	47.2	47.4	47.5	49.0	50.5	49.4	47.5	48.0	45.9	44.5	42.9	43.5	41.3	43.4	46.4
Mean	45.2	46.3	46.7	48.6	48.9	47.8	47.1	45.7	46.6	46.4	48.3	48.7	49.7	49.1	48.0	47.9	46.8	45.8	44.2	42.3	42.1	43.3	43.6	44.8	46.4

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 47 Meanook

z = 58,000 γ +

December 1950

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1 Q	934	941	937	941	936	942	858	897	911	918	931	924	918	934	932	929	930	932	927	925	928	934	935	935	926		
2	935	932	930	937	920	950	949	930	929	919	914	881	888	924	918	925	924	935	925	931	932	937	935	934	926		
3	931	931	935	937	941	938	930	923	925	864	887	918	916	923	918	929	929	929	924	930	930	929	932	933	924		
4 Q	935	932	931	934	941	938	938	931	931	919	930	931	929	928	918	919	918	914	909	919	920	924	931	941	928		
5	934	941	941	934	931	931	930	930	931	928	931	934	930	925	927	928	927	925	917	918	931	932	933	933	930		
6	936	933	930	933	934	945	946	874	779	801	779	920	854	935	924	925	920	919	921	930	934	935	937	932	907		
7	934	946	978	960	941	930	934	934	934	931	924	924	921	919	929	929	925	924	929	931	931	933	934	941	934		
8	938	937	934	934	934	934	938	937	933	903	906	821	800	849	903	919	923	919	909	928	928	936	937	944	914		
9	941	930	935	938	952	932	934	918	845	854	896	914	924	920	919	924	924	924	929	929	929	929	932	931	921		
10	932	932	941	941	936	931	878	864	883	866	910	920	918	924	923	928	930	929	924	930	930	923	931	932	919		
11 Q	932	934	934	934	930	917	930	924	919	916	893	916	922	917	917	917	917	917	920	924	924	925	924	921	922		
12	921	921	921	921	921	919	929	932	914	891	851	872	914	915	921	919	916	914	909	934	947	967	1021	1016	925		
13 D	989	1033	979	960	965	974	945	851	744	659	914	870	819	837	881	851	883	909	978	994	1005	1016	1041	1014	921		
14 D	1049	1070	1015	981	962	919	931	931	936	942	943	933	930	930	930	930	930	917	919	948	952	972	1004	962	956		
15	950	950	944	953	967	951	946	946	950	934	933	933	922	910	932	941	934	930	930	918	928	928	933	942	938		
16	950	944	952	952	985	944	932	930	911	881	817	833	888	924	929	930	928	930	928	932	932	933	936	933	923		
17	932	931	932	932	932	930	927	919	859	881	819	894	930	925	927	927	923	923	924	924	928	928	930	928	917		
18	931	933	932	932	932	931	929	925	924	924	924	924	914	918	916	924	920	915	909	921	932	931	933	931	925		
19	937	946	937	936	937	949	966	951	938	929	907	914	919	908	909	920	918	918	918	925	924	922	927	927	928		
20	927	927	931	930	941	941	938	936	932	924	832	874	903	917	924	924	920	915	919	919	924	927	930	965	922		
21 Q	937	929	925	924	924	924	924	918	920	920	907	882	910	914	919	919	929	929	920	920	920	929	924	924	920		
22 D	929	929	929	929	929	929	929	929	929	918	906	790	605	519	621	784	892	908	934	974	996	952	937	951	877		
23 D	973	1027	984	973	952	931	1005	704	897	876	888	860	806	869	935	907	886	893	897	920	930	938	943	952	914		
24 D	976	951	951	957	955	934	852	780	833	740	833	831	908	908	919	852	790	881	892	928	951	960	971	972	897		
25	1004	973	945	934	951	947	932	896	771	779	841	822	839	821	850	903	933	881	915	924	973	957	969	962	905		
26	949	978	973	983	962	922	886	735	741	532	795	859	836	908	886	903	917	922	928	929	934	932	931	938	887		
27	946	957	971	967	936	908	930	881	670	763	820	832	840	855	892	916	930	928	936	937	942	962	941	943	900		
28	947	946	942	944	932	934	849	866	874	838	849	860	896	915	934	924	917	920	934	933	928	928	930	930	911		
29	930	930	932	934	932	914	925	914	887	825	892	919	923	922	922	922	922	922	922	920	927	924	929	930	928	918	
30	928	929	927	924	919	919	919	919	916	903	903	908	919	919	919	919	920	918	924	924	925	925	925	925	920		
31 Q	924	924	924	924	924	924	914	916	918	920	920	920	920	908	908	910	919	920	918	918	920	928	922	920	919		
Mean	946	949	944	942	940	933	925	898	883	864	884	888	886	895	907	913	916	918	922	930	937	939	943	943	919		

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Meanook

December 1950

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 12,000 γ +		Minimum 12,000 γ +		Range γ	Maximum 24° E +		Minimum 24° E +		Range '	Maximum 58,000 γ +		Minimum 58,000 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1 Q	06 03	883	06 34	798	85	05 34	58.5	06 30	31.2	27.3	06 03	958	06 19	786	172
2	04 36	907	11 52	787	120	05 45	58.2	04 40	23.2	35.0	05 04	975	12 11	849	126
3	00 35	865	09 56	795	70	06 05	55.4	10 02	32.6	22.8	04 51	947	09 16	840	107
4 Q	23 53	853	20 29	811	42	16 50	51.3	21 40	39.2	12.0	04 07	948	17 11	906	42
5	13 11	872	18 52	770	102	16 55	55.3	20 03	33.1	22.2	01 17	947	18 05	915	32
6	13 14	898	09 30	268	630	09 02	105.3	09 41	08.7	96.6	11 18	1111	10 02	546	565
7	03 19	880	20 24	804	76	02 37	58.6	19 39	40.8	17.8	02 26	1001	13 08	909	92
8	10 32	874	12 30	749	125	13 06	56.6	18 31	30.7	25.9	06 14	948	12 30	759	189
9	02 21	856	08 36	732	124	04 48	65.2	08 29	31.6	33.6	04 43	978	08 40	786	192
10	07 03	860	06 45	750	110	12 03	52.3	06 45	38.6	13.7	03 27	947	07 00	828	119
11 Q	04 28	865	10 00	811	54	21 54	59.1	19 24	19.1	40.0	02 25	944	10 34	884	60
12						05 38	54.4	10 00	40.0	14.4	22 25	1069	10 39	814	255
13 D						10 14	79.9	07 34	17.0	62.9	01 19	1072	09 15	631	441
14 D	00 20	1195	19 26	686	509	21 24	59.1	19 22	18.7	40.4	01 10	1129	17 32	898	231
15	04 15	866	19 06	765	101	15 40	57.9	19 38	30.5	27.4	04 41	977	13 06	891	86
16	04 38	895	10 35	644	251	04 40	87.5	10 11	29.2	58.3	04 35	1022	10 27	762	260
17	11 35	867	10 41	631	236	09 46	56.1	10 33	33.1	23.0	12 07	945	10 36	709	236
18	19 24	897	19 08	783	114	16 27	54.1	19 39	33.2	20.9	19 21	989	19 26	880	109
19	01 33	867	10 12	797	70	06 20	65.9	05 15	37.1	28.8	06 16	979	10 14	888	91
20	14 48	860	10 40	742	118	11 11	54.4	23 30	39.0	15.4	23 29	990	10 37	782	208
21 Q	01 44	869	11 08	813	56	12 06	53.4	10 37	41.7	11.7	00 01	955	11 09	864	91
22 D	20 34	928	13 00	498	430	13 35	99.3	20 20	24.3	75.0	20 00	1077	13 31	426	651
23 D	01 26	1061	08 38	499	562	13 00	80.3	09 15	-36.0	116.3	06 39	1118	08 54	580	538
24 D	06 34	942	10 13	207	735	10 17	68.6	07 01	04.6	64.0	23 58	1018	10 10	546	472
25	00 15	920	12 22	541	379	03 38	96.3	08 00	-00.6	96.9	00 14	1090	08 43	656	434
26						10 27	85.0	09 24	01.4	83.6	01 49	1055	09 36	236	819
27	04 55	894	08 52	532	362	05 44	84.0	09 02	27.1	56.9	04 55	1097	08 49	513	584
28	06 30	886	09 25	675	211	09 33	61.4	06 40	19.2	42.2	01 00	1077	06 46	740	337
29	06 25	865	09 25	725	140	07 56	54.2	09 20	36.6	17.6	06 25	947	09 22	787	160
30	16 14	859	18 31	806	53	16 31	52.2	09 41	42.4	09.8	18 37	934	09 47	868	66
31 Q	06 30	866	07 25	832	34	15 01	52.3	21 15	40.9	11.4	09 04	932	06 44	903	29
Mean		898		687	211		65.6		26.1	39.5		1006		751	255
No. days		28		28	28		31		31	31		31		31	31

MEANOOK MAGNETIC OBSERVATORY 1949-1950

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

Table 49 Meanook: HORIZONTAL INTENSITY (gammas) (All Days) 1950
Table 50 Meanook: DECLINATION (minutes) (All Days) 1950
Table 51 Meanook: VERTICAL INTENSITY (gammas) (All Days) 1950
Each table includes columns for Hour U.T. (0 to 24) and rows for months (January to December), seasons (Year, Winter, Equinox, Summer), and daily values.

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

Hour U. T. Month Season	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24
HORIZONTAL INTENSITY (gammas) (Quiet Days)																								
Table 52 Meanook																								1950
January	-1	+4	+3	+3	+5	+6	+5	+4	+2	+2	0	+1	+1	+4	+8	+6	0	-7	-9	-10	-10	-8	-6	-3
February	-2	+2	+5	+6	+5	+5	+5	+4	+6	+8	+8	+6	+6	+9	+10	+12	+1	-2	-11	-20	-22	-20	-16	-8
March	0	-1	+2	+5	+4	+6	+6	+7	+1	+5	+7	+7	+11	+10	+14	+15	+4	-10	-19	-20	-21	-13	-8	-6
April	-2	+8	+7	+5	+6	+9	+9	+7	+8	+8	+11	+10	+9	+6	+8	+7	-5	-15	-16	-19	-20	-8	-14	-9
May	+14	+18	+9	+6	+6	+2	+4	+5	+5	+7	+6	+10	+12	+14	+10	-8	-19	-19	-24	-15	-18	-14	-11	-2
June	+12	+16	+10	+3	+4	+3	+3	+2	+1	-10	+5	+12	+14	+20	+18	+7	-1	-15	-35	-32	-24	-17	-5	+6
July	+9	+12	+17	+3	+3	+2	+1	0	-9	-4	0	+8	+14	+17	+19	+19	-4	-13	-24	-24	-17	-26	-10	+5
August	+9	+15	+17	+8	+9	+11	+15	+7	+2	0	-4	-11	+1	+9	+10	+1	-10	-17	-24	-22	-19	-7	-2	+5
September	+6	+7	+4	+5	+6	+7	+8	+9	+7	+5	+9	+10	+10	+7	+3	0	-12	-21	-26	-26	-17	-10	+1	+7
October	+6	+5	+5	+6	+6	+6	+7	-1	-5	-3	+2	+2	+8	+9	+7	+2	-6	-14	-17	-14	-9	-1	+3	+2
November	+3	+4	+7	+6	+6	+4	+4	+3	-1	+1	+5	+4	+3	+4	+4	+1	-3	-12	-17	-13	-8	-5	0	+2
December	+4	+9	+8	+6	+4	+1	-1	-2	-1	-2	-4	-1	+3	+4	+3	0	+2	-6	-9	-12	-10	-6	-3	+2
Year	+5	+8	+8	+5	+5	+5	+6	+4	+2	+1	+3	+4	+7	+9	+9	+5	-3	-12	-18	-19	-17	-11	-6	0
Winter	+1	+5	+6	+5	+5	+4	+3	+2	+2	+2	+2	+3	+3	+5	+6	+5	0	-7	-12	-14	-12	-10	-6	-2
Equinox	+4	+5	+4	+5	+6	+7	+8	+6	+3	+4	+7	+7	+10	+8	+8	+6	-5	-15	-20	-20	-17	-8	-4	-2
Summer	+11	+15	+13	+5	+5	+4	+6	+4	+2	-3	+1	+3	+9	+14	+14	+5	-3	-14	-24	-23	-22	-16	-7	+4
DECLINATION (minutes) (Quiet Days)																								
Table 53 Meanook																								1950
January	-1.3	-1.2	-0.8	+0.3	-0.5	-0.2	-0.4	-0.5	-0.8	+0.3	+1.3	+1.3	+0.7	+0.9	+1.2	+1.8	+2.7	+3.0	+0.8	-0.8	-1.8	-2.7	-1.8	-1.4
February	-3.4	-2.7	-1.9	-1.6	-0.9	-0.6	-0.2	-0.7	0.0	+0.6	+0.6	+1.3	+0.6	+0.8	+2.2	+3.1	+3.7	+4.6	+2.3	+1.1	-1.0	-2.4	-2.6	-2.8
March	-2.9	-2.9	-2.3	-1.8	-2.1	-1.8	+1.7	+2.5	+1.1	+0.3	+0.2	+0.8	+0.4	+1.0	+3.4	+6.1	+6.5	+5.5	+1.6	-0.3	-4.0	-4.8	-4.6	-3.5
April	-5.2	-4.3	-3.0	-1.5	-1.2	+0.1	+0.2	+0.4	+0.1	-0.3	-1.6	-1.2	+1.1	+3.7	+6.3	+8.2	+9.0	+7.9	+4.4	+1.3	+0.5	-6.1	-8.6	-9.1
May	-5.7	-1.9	-2.3	-1.8	-1.0	-1.8	-1.7	0.0	+0.1	-1.0	-0.3	+2.0	+4.4	+7.2	+8.9	+10.5	+9.2	+3.5	-0.6	-4.9	-6.1	-6.2	-5.6	-5.0
June	-5.0	-2.8	-1.1	+0.1	-0.8	-1.2	-1.8	+0.1	-1.0	-1.7	+0.4	+1.1	+3.6	+5.1	+6.5	+6.9	+6.4	+5.2	+1.5	-0.7	-2.2	-6.3	-6.5	-5.9
July	-4.2	-2.6	-0.9	-2.3	-2.2	-1.9	-1.1	-1.0	-1.9	-1.2	-1.7	-0.6	+2.6	+6.7	+9.6	+9.3	+9.3	+7.7	+2.0	-1.0	-4.1	-6.5	-7.0	-7.1
August	-2.8	-2.5	-2.3	-0.2	-0.6	+0.1	-0.5	-1.0	-0.8	+0.8	+0.5	+0.9	+4.3	+7.6	+8.5	+8.3	+6.9	+4.9	-1.2	-4.8	-7.2	-7.8	-6.4	-4.9
September	-1.9	-1.7	-1.4	-1.6	-1.7	-1.8	-1.1	-0.8	-0.7	-0.2	+0.8	+1.6	+3.0	+4.5	+6.8	+7.6	+6.9	+4.8	-1.2	-4.2	-5.4	-4.9	-4.1	-3.1
October	-1.3	-1.2	-0.7	-0.2	-0.5	-0.5	+0.1	+0.7	+0.1	+0.6	+0.5	+0.7	+1.4	+2.0	+3.7	+5.5	+5.1	+3.0	-0.7	-3.4	-4.3	-3.8	-3.0	-2.1
November	-0.9	+0.1	+0.3	+0.2	-0.3	+0.9	-0.6	-0.5	-1.9	-0.8	-0.2	+1.0	+0.9	+1.5	+2.3	+3.5	+4.0	+3.0	0.0	-2.0	-3.1	-2.6	-2.2	-2.4
December	-1.7	-0.7	0.0	+0.4	+0.9	+2.0	-1.3	+1.4	+1.1	+0.2	-0.4	+1.6	+1.8	+1.7	+1.9	+2.2	+2.7	+2.0	-0.8	-2.6	-3.5	-3.4	-3.2	-2.2
Year	-3.0	-2.0	-1.3	-0.8	-0.9	-0.6	-0.6	0.0	0.0	-0.2	0.0	+0.9	+2.1	+3.5	+5.1	+6.1	+6.1	+4.6	+0.7	-1.8	-3.6	-4.8	-4.6	-4.1
Winter	-1.8	-1.2	-0.6	-0.2	-0.2	+0.5	-0.6	-0.1	+0.6	+0.1	+0.3	+1.3	+1.0	+1.2	+1.9	+2.6	+3.3	+3.2	+0.6	-1.1	-2.2	-2.8	-2.4	-2.2
Equinox	-2.8	-2.5	-1.8	-1.3	-1.4	-1.0	+0.2	+0.7	+0.2	+0.1	0.0	+0.5	+1.5	+2.8	+5.0	+6.8	+6.9	+5.3	+1.0	-1.6	-3.6	-4.9	-5.1	-4.4
Summer	-4.4	-2.4	-1.6	-1.0	-1.2	-1.2	-1.3	-0.5	-0.9	-0.8	-0.3	+0.8	+3.7	+6.6	+8.4	+8.8	+8.0	+5.3	+0.4	-2.8	-4.9	-6.7	-6.4	-5.7
VERTICAL INTENSITY (gammas) (Quiet Days)																								
Table 54 Meanook																								1950
January	+9	+9	+7	+10	+10	+8	+5	+4	-6	-9	-11	-11	-10	-8	-4	-4	-2	-1	-4	-3	-2	-2	+2	+3
February	+7	+7	+7	+7	+5	+5	0	-1	-3	-6	-9	-10	-11	-7	-4	-3	-3	-3	0	+1	+2	+4	+4	+4
March	+8	+8	+10	+10	+8	+9	+1	-9	-17	-14	-13	-18	-7	-3	-1	0	+1	-2	0	+1	+5	+7	+8	
April	+14	+13	+12	+11	+11	+9	+1	-5	-11	-21	-13	-7	-5	+2	-9	-6	-5	-6	-2	-2	+1	+7	+10	+13
May	+25	+25	+15	+12	+4	-2	0	-6	-7	-6	-5	0	0	0	-4	-9	-11	-13	-9	-5	-5	-3	+3	+9
June	+14	+15	+15	+15	+11	+8	+8	+5	+1	-22	-11	-3	-3	+1	+1	-2	-5	-8	-17	-14	-10	-3	+1	+8
July	+23	+8	+28	+16	+16	+12	+5	-20	-19	-28	-19	-8	+2	+2	+1	-2	-4	-6	-5	-4	-2	+1	+6	+11
August	+8	+10	+11	+12	+7	+16	+13	+6	-5	-10	-16	-23	-17	-5	-1	-2	-4	-6	-4	-4	-2	+2	+4	+5
September	+3	+4	+5	+4	+4	+2	+2	0	-1	-6	-3	-3	-4	-4	-5	-2	-3	-2	0	+2	+3	+4	+3	
October	+6	+6	+7	+6	+6	+7	+6	-3	-9	-10	-5	-6	-6	-1	0	+1	0	-1	-5	-4	-2	+1	+2	+3
November	+7	+6	+3	+4	+5	+7	+1	-2	-5	-6	-2	-3	-3	-3	-2	-3	-4	-2	+1	+1	+1	+1	+1	0
December	+9	+9	+7	+8	+8	+6	-10	-6	-3	-4	-7	-8	-3	-3	-4	-4	0	-1	-4	-2	-1	+5	+4	+5
Year	+11	+10	+11	+10	+8	+7	+3	-3	-7	-12	-10	-8	-6	-2	-3	-3	-3	-4	-4	-3	-1	+2	+4	+6
Winter	+8	+8	+6	+7	+7	+6	-1	-1	-4	-6	-7	-8	-7	-5	-4	-4	-2	-2	-2	-1	0	+2	+3	+3
Equinox	+8	+8	+9	+8	+7	+7	+3	-4	-10	-13	-9	-8	-6	-2	-4	-2	-2	-3	-2	-2	+1	+4	+6	+7
Summer	+18	+14	+17	+14	+10	+8	+6	-4	-8	-16	-13	-8	-4	0	-1	-4	-6	-8	-9	-7	-5	-1	+4	+8

PUBLICATIONS OF THE DOMINION OBSERVATORY

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

Table 55: HORIZONTAL INTENSITY (gammas) (Disturbed Days) 1950. Table 56: DECLINATION (minutes) (Disturbed Days) 1950. Table 57: VERTICAL INTENSITY (gammas) (Disturbed Days) 1950. Each table contains columns for months (January-December), seasons (Year, Winter, Equinox, Summer), and 24 hours of the day (0-23).