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RECORD OF OBSERVATIONS AT THE MAGNETIC OBSERVATORIES, AGINCOURT and MEANOOK

1936-1937

BY

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AGINCOURT MAGNETIC OBSERVATORY

Latitude 43° 47′ North
Longitude 79° 16′ West

INTRODUCTION

The Agincourt Observatory was established in 1898 to take the place of the Toronto Observatory, which was seriously affected by the increasing disturbances set up by the Toronto street railway system. A more detailed account will be found in the Introduction to *Record of Observations at the Magnetic Observatories, Agincourt and Meanook, 1934-1935**, and *Terrestrial Magnetism*, Volume III, No. 4, 1898, pp. 145-148.

Instruments

The absolute instruments used at Agincourt during 1936 and 1937 were Elliott magnetometer No. 48 for declination, Toepfer earth inductor No. 89 for inclination, and a Schuster-Smith coil magnetometer for horizontal force.

A detailed description of the Schuster-Smith coil magnetometer is to be found in *Philosophical Transactions of the Royal Society*, Vol. 223 (1923), pp. 175-200. The other instruments and methods of using them are described in the *Encyclopaedia Britannica.*

The corrections on International Magnetic Standard adopted for these instruments (*see* 1932-1933 Record of Observations) are as follows:

for D,	I.M.S.	Agincourt (Elliott 48) –0′.8
for I,	I.M.S.	Agincourt (Toepfer 89) –0′.15
and for H,	I.M.S.	Agincourt (Schuster-Smith) 0.0γ

Variometers of the Kew type (for description see *Glazebrook Dictionary of Applied Physics*, Vol. II, page 541), and of la Cour (for description see *Publications of the Danish Meteorological Institute* Nos. 8 and 11) were maintained in operation without material loss of record. Considerable trouble was encountered in the maintenance of the Kew variometers due to spiders infiltrating and attaching webs to movable parts of the instruments, making it necessary several times during the summer of 1936 and the fall of 1937 to dismount the instruments and remove the webs. This was responsible for discontinuities in base-line values of the Z variometer, and in the value of its scale co-efficient during various periods.

Hourly measures of the ordinates of declination were from the la Cour variometer records from August 1 to August 13, 1936, and from September 1 to October 31, 1937, and, those of the ordinates of vertical force were from the la Cour variometer records from September 19 to December 31, 1936. All other ordinates were measured from the Kew-type variometers.

The time scale on the Kew-type variometers is 18 mm. per hour. Time marks are recorded every five minutes, with the minute before and after each hour. The error of the time mark is never more than ± 5 seconds.

*Dom. O. Pub., Vol. XVII, No. 1, 1956.

The scale value of D is 1′.28 per mm., and of H is 4.86γ per mm. Determinations of the H scale value by the deflection method gave 4.86γ per mm. on May 1, 1935, 4.86γ per mm. on November 20, 1936, and 4.87γ per mm. on June 28, 1937. The scale value of the Z variometer was quite variable due to the frequent readjustments made necessary by the presence of spiders. The values used and the periods during which they are applicable are as follows:

	γ per mm.
January 1-22, 1936	6.22
January 22–February 17, 1936	6.90
February 18–March 31, 1936	8.00
April 1–June 23, 1936	8.90
June 24–October 7, 1936	5.76
October 8–November 19, 1936	5.65
December 1, 1936–January 11, 1937	7.16
January 12–June 28, 1937	7.79
June 28–November 16, 1937	7.46
November 17–December 31, 1937	7.22

The time scale on the la Cour variometer records is 15 mm. per hour. Time marks are recorded every five minutes, with the minute before and after the hour. Determinations of the scale values of the ordinates with the Helmholtz coil were made on June 19, 1936, November 27, 1936, and June 29, 1937, and gave consistent values throughout, namely 0′.91 per mm. for D, 5.11γ per mm. for H, and 5.90γ per mm. for Z.

The temperature in both recording rooms is kept constant by means of electric heaters operating on alternating current and controlled by thermostat.

Absolute Observations and Base-Line Values

Declination.—Absolute observations are made once a week. A single observation consists of four pointings with magnet erect and four with magnet inverted. Two observations are usually made on each day of observation. Simultaneous readings are made of the D variometer eye scale, from which base-line values are calculated. Comparisons are made between eye readings and measured ordinates from the photographic records twice daily, and the mean difference for each month is adopted as a constant in determination of the photographic base-line values. All results are reduced to the International Magnetic Standard of the Department of Terrestrial Magnetism, Carnegie Institution, Washington.

Declination at Agincourt is westerly, and increasing ordinates indicate a westerly movement.

The following table gives the observed and adopted photographic base-line values for 1936-1937.

AGINCOURT DECLINATION PHOTOGRAPHIC BASE-LINE VALUES—1936-1937

Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base
	° ′	° ′		° ′	° ′		° ′	° ′
1936								
Jan. 7	6 38.0	6 38.4	Nov. 3	6 39.0	6 38.7	June 2	6 37.7	6 38.1
14	6 38.2	6 38.4	10	6 38.3	6 38.7	4	6 38.0	6 38.1
21	6 38.0	6 38.4	17	6 39.1	6 38.7	8	6 37.6	6 38.1
Feb. 3	6 37.7	6 38.3	24	6 38.5	6 38.7	11	6 37.5	6 38.1
27	6 38.1	6 38.2	Dec. 1	6 39.2	6 38.8	15	6 37.8	6 38.1
Mar. 10	6 37.6	6 38.2	8	6 38.6	6 38.8	22	6 38.0	6 38.1
24	6 37.6	6 38.2	15	6 38.9	6 38.8	25	6 37.9	6 38.1
Apr. 7	6 37.9	6 38.1	22	6 39.1	6 38.8	29	6 38.4	6 38.1
14	6 38.2	6 38.1	22	6 38.5	6 38.8	July 2	6 37.5	6 38.1
22	6 38.1	6 38.1	1937			6	6 37.8	6 38.1
27	6 38.1	6 38.1	Jan. 5	6 39.3	6 38.7	10	6 38.2	6 38.2
May 5	6 37.8	6 38.2	12	6 38.8	6 38.7	16	6 38.1	6 38.2
12	6 37.1	6 38.2	19	6 38.0	6 38.7	20	6 37.8	6 38.2
19	6 38.1	6 38.2	26	6 38.8	6 38.7	27	6 38.6	6 38.2
26	6 37.9	6 38.1	Feb. 2	6 37.8	6 38.7	30	6 38.3	6 38.2
June 2	6 37.7	6 38.0	10	6 38.5	6 38.7	Aug. 3	6 38.7	6 38.2
16	6 38.1	6 37.9	16	6 38.8	6 38.6	6	6 38.1	6 38.2
24	6 37.7	6 37.9	23	6 38.3	6 38.6	10	6 38.0	6 38.2
30	6 38.2	6 37.9	Mar. 1	6 39.6	6 38.5	13	6 38.8	6 38.2
July 7	6 38.3	6 38.0	9	6 39.0	6 38.5	20	6 38.4	6 38.2
14	6 38.0	6 38.0	16	6 38.4	6 38.4	24	6 38.6	6 38.2
21	6 37.6	6 38.0	23	6 38.7	6 38.4	27	6 39.0	6 38.2
28	6 38.2	6 38.1	30	6 38.7	6 38.4	31	6 38.2	6 38.2
Aug. 13	6 38.7	6 38.3	Apr. 6	6 38.0	6 38.4	Nov. 3	6 38.9	6 38.3
18	6 38.1	6 38.3	13	6 37.5	6 38.4	5	6 38.3	6 38.3
25	6 37.3	6 38.3	16	6 38.2	6 38.3	12	6 38.3	6 38.3
Sept. 1	6 38.7	6 38.4	20	6 38.1	6 38.3	17	6 38.7	6 38.3
8	6 38.0	6 38.4	23	6 38.1	6 38.3	19	6 38.0	6 38.3
15	6 38.7	6 38.4	30	6 37.8	6 38.2	23	6 38.4	6 38.3
22	6 38.5	6 38.5	May 7	6 37.5	6 38.2	26	6 38.5	6 38.3
29	6 38.3	6 38.5	11	6 37.8	6 38.1	30	6 38.4	6 38.3
Oct. 6	6 37.7	6 38.6	18	6 37.8	6 38.1	Dec. 3	6 38.3	6 38.3
13	6 39.8	6 38.7	21	6 38.2	6 38.1	7	6 38.3	6 38.3
20	6 38.2	6 38.7	28	6 38.4	6 38.1	10	6 37.8	6 38.3
27	6 38.3	6 38.7				21	6 38.2	6 38.3
						31	6 38.0	6 38.3

Horizontal Force.—Absolute observations are made once a week with the Schuster-Smith coil magnetometer. Simultaneous readings are made on the eye scale of the variometer, and base-line values of the photographic records are obtained in the same manner as for declination. The base-line values so obtained are plotted on squared paper with abscissae of 1 day to the mm., and ordinates of 1 gamma to the mm. A mean curve is drawn through these points, from which the adopted value of the base line for each day is obtained. A large discontinuity occurred on November 20, 1936, due to a readjustment of the variometer.

On the photographic records, an increase in the ordinate denotes an increase in the horizontal force.

The following table gives the observed and adopted values of the photographic base-line for 1936-1937, reduced to the International Magnetic Standard:

HORIZONTAL FORCE OBSERVED AND ADOPTED BASE-LINE VALUES FOR 1936-1937

Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base
	γ	γ		γ	γ		γ	γ
1936								
Jan. 7	15146	15150	Oct. 6	15167	15165	May 4	14996	14995
14	15146	15149	13	15159	15165	11	14994	14996
21	15146	15149	20	15165	15164	18	14998	14997
			27	15164	15164	26	15000	14998
Feb. 3	15145	15148						
20	15142	15149	Nov. 3	15165	15164	June 2	15000	14999
			10	15164	15164	8	15001	14999
Mar. 3	15145	15150	17	15164	15164	15	15004	15000
10	15145	15151	24	14991	14989	22	15003	15002
31	15148	15152				29	15003	15004
April 7	15147	15153	Dec. 1	14986	14989			
14	15149	15154	8	14989	14990	July 2	15012	15005
27	15140	15155	15	14991	14990	13	15005	15006
			22	14989	14990	20	15005	15007
May 5	15152	15156	29	14991	14990	27	15006	15008
12	15152	15157						
19	15152	15157	1937	γ	γ	Aug. 3	15008	15009
26	15153	15158	Jan. 5	14991	14991	10	15008	15009
			12	14992	14991	17	15009	15011
June 2	15162	15158	19	14990	14991	24	15013	15012
9	15157	15159	26	14990	14991	31	15012	15014
16	15156	15159						
24	15157	15159	Feb. 2	14988	14991	Sept. 14	15019	15017
30	15157	15160	10	14993	14991	21	15023	15017
			16	14992	14991	29	15020	15017
July 7	15156	15161	23	14992	14992			
14	15162	15162				Oct. 13	15017	15018
21	15158	15162	Mar. 2	14992	14992	19	15021	15018
28	15164	15163	9	14990	14992	26	15016	15018
			16	14993	14992			
Aug. 4	15165	15164	23	14994	14992	Nov. 3	15017	15017
11	15165	15164	30	14992	14992	5	15021	15017
18	15164	15165				17	15018	15017
25	15165	15165				23	15016	15016
			April 6	14995	14993	30	15014	15016
Sept. 1	15162	15165	13	14991	14993			
8	15161	15165	20	14996	14994	Dec. 7	15015	15016
22	15165	15165	30	14993	14995	21	15011	15016
29	15163	15165				28	15014	15015

Vertical Force.—Absolute observations of inclination are made once a week with Toepfer earth inductor No. 89, and simultaneous readings are made from the eye-scales of the H and Z variometers. Using the formula Z = H tan I, where I is the inclination, Z the vertical force, and H the horizontal force, the value of the vertical force is obtained and the base-line value computed. As in the H, values are plotted and a smooth curve is drawn, from which the adopted values are obtained. Discontinuities occurred in 1936 on January 22, February 18, April 1, June 24, October 8, November 20, and December 1, and in 1937 on January 12, June 28, and November 17. On the records an increase of ordinate corresponds to a decrease in vertical force.

The observed and adopted values of the photographic base line for 1936-1937 are given in the following table:

VERTICAL FORCE PHOTOGRAPHIC BASE-LINE VALUES FOR 1936-1937

Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base
	γ	γ		γ	γ		γ	γ
1936								
Jan. 7	56869	56869	Oct. 6	56440	56466	May 7	56848	56840
14	56873	56873	13	56474	56466	11	56870	56840
21	56866	56878	20	56437	56466	18	56815	56838
						21	56851	56837
Feb. 3	56902	56897	Nov. 3	56460	56469	26	56838	56835
20	56942	56929	10	56474	56471	28	56834	56835
			17	56497	56472			
Mar. 3	56925	56930	24	56450	56472	June 2	56878	56833
10	56936	56931	24	56473	56472	4	56833	56832
24	56940	56932				8	56824	56831
			Dec. 1	56472	56473	11	56827	56830
April 7	56963	56962	15	56491	56473	15	56833	56829
14	56976	56964	22	56485	56473	18	56842	56828
27	56970	56968	29	56473	57473	22	56848	56828
						25	56830	56828
May 5	56984	56967				29	56861	56827
12	56959	56960	1937					
19	56938	56952	Jan. 5	56904	56899	July 2	56829	56818
26	56948	56946	12	56902	56899	6	56835	56817
			19	56878	56898	10	56851	56817
June 2	56915	56943	26	56889	56898	16	56811	56816
9	56950	56936				20	56838	56815
16	56939	56929	Feb. 2	56912	56899	27	56826	56814
24	56810	56819	10	56895	56898	30	56827	56814
30	56812	56818	16	56883	56894			
			23	56907	56890	Aug. 3	56832	56808
July 7	56813	56814				6	56804	56799
14	56759	56812				10	56782	56786
21	56811	56810	Mar. 2	56892	56884	13	56778	56779
28	56768	56808	9	56901	56878	17	56766	56771
			16	56869	56873	20	56735	56764
Aug. 4	56768	56806	23	56874	56866	24	56733	56757
11	56797	56804	30	56852	56859	27	56765	56753
18	56799	56802				31	56754	56747
25	56789	56801						
			April 6	56849	56853	Sep. 3	56748	56740
Sept. 1	56809	56799	13	56837	56846	14	56696	56725
8	56814	56797	16	56879	56844	17	56710	56722
15	56792	56796	20	56850	56841	22	56721	56716
22	56483	56452	23	56838	56841	24	56697	56715
29	56487	56452	30	56842	56841	29	56706	56712

VERTICAL FORCE PHOTOGRAPHIC BASE-LINE VALUES FOR 1936-1937—Concluded

Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base
	γ	γ		γ	γ		γ	γ
1937								
Oct. 1.....	56718	56712	Nov. 5.....	56747	56735	Dec. 3.....	56774	56782
7.....	56735	56725	12.....	56772	56804	7.....	56762	56784
13.....	56775	56738	17.....	56738	56769	10.....	56800	56785
22.....	56717	56710	19.....	56726	56771	21.....	56723	56786
29.....	56711	56712	23.....	56767	56775	31.....	56791	56787
			26.....	56785	56778			
			30.....	56813	56782			

Magnetic Reductions

The time used throughout is that of Greenwich Meridian (U.T.). Chronometer and clock errors and rates are determined each week by comparison with radio signals from Arlington. The time clock controlling the time marks on the records is adjusted, following each comparison, by the addition or removal of small weights on a shelf attached to the pendulum rod, thus keeping the clock always within a few seconds of correct time.

The hourly values of D, H, and Z are obtained from the magnetograms by means of a ruled glass scale. Each value is that ordinate estimated to be the mean reading for 60 minutes, centred on the half hour. The product of this ordinate and the scale value is added to the adopted base-line value, and the sum so obtained is the hourly value printed in the tables. From the tables of these values for each calendar month are obtained the mean hourly value for each hour of the day and the mean daily value for each day of the month. The mean of the mean daily values is taken as the mean value for the month. These values appear in the first three tables for each month. The letters "Q" and "D" in the tables denote the five quiet and five most disturbed days, as selected by the International Commission on Terrestrial Magnetism. In the fourth table for each month are given the values and times of the daily maximum and minimum, and the value of the absolute daily range for each of the elements D, H, and Z; the value of $HR_H + ZR_Z$ divided by 10,000, where R_H and R_Z denote the absolute ranges of the H and Z for a Greenwich day (this measure of magnetic activity was adopted in 1932 by the International Commission for Terrestrial Magnetism and Atmospheric Electricity); the daily magnetic character figure, assigned according to the International scheme, where "0", "1", "2", respectively, denote quiet, moderately disturbed, and greatly disturbed days.

Mean diurnal inequalities of the components H, D, and Z (corrected for non-cyclic change) on all days and on international quiet and disturbed days are given for the months, seasons, and year in Tables 97 to 114. The non-cyclic change is eliminated by comparing the mean values for 0^h and 24^h, U.T., and distributing the difference uniformly, so as not to affect the mean of the day. The value at 0^h is taken to be the mean of the average value for the last hour of the preceding day and the first hour of the day, and that at 24^h is the mean of the average value for the last hour of the day and the first hour of the succeeding day. A plus sign indicates that the later or 24-hour value is greater algebraically than the earlier or 0-hour value. The values of the non-cyclic changes

are given in tables 117 and 122. The seasons are defined as follows: *Winter*—January, February, November, and December; *Equinox*—March, April, September, and October; *Summer*—May, June, July, and August.

The ranges of the mean diurnal inequalities for the months, seasons, and year, are given in tables 115 and 120, and the average departure of individual values from the mean of the day in tables 116 and 121.

The mean values of HR_H and ZR_Z and of the magnetic character are summarized in tables 118 and 123.

The variations of X, Y, I, and F may be computed from the variations of D, H, and Z by means of the following formulae:—

$$\Delta X = 0.589\Delta D + 0.991\Delta H$$
$$\Delta Y = 4.459\Delta D - 0.132\Delta H$$
$$\Delta I = 0.015\Delta Z - 0.057\Delta H$$
$$\Delta F = 0.965\Delta Z + 0.262\Delta H$$

where D and I are given in minutes of arc, and H, Z, X, Y, and F in gammas (1 gamma = 0.00001 c.g.s.). A plus sign indicates an hourly value greater than the mean for the day. D and Y, being considered positive when east of north, are negative at Agincourt, and consequently, in tables of diurnal variations of D and Y, a plus sign indicates an hourly value numerically less but algebraically greater than the mean for the day.

The results of harmonic analysis of the mean diurnal inequalities of D, H, and Z for the months, seasons, and year for all days, and for the seasons and year for quiet and disturbed days, are to be found in tables 125 and 126, in which are given the values of c_n and α_n in the series $\Sigma\, c_n \sin(15nT^\circ - \alpha_n)$, where T is reckoned in hours from 0^h, U.T.

The mean monthly and annual values of the magnetic elements for 1936 and 1937 are given in tables 119 and 124.

Review of Results

Mean Values of the various elements for the four years 1934 to 1937 are as follows:—

Year	−D	H	Z	X	−Y	I	F
	° ′	γ	γ	γ	γ	° ′	γ
1934	7 37.5	15424	56762	15287	2047	74 47.9	58820
1935	7 37.1	15391	56704	15255	2041	74 48.9	58759
1936	7 36.9	15362	56658	15226	2036	74 49.8	58704
1937	7 35.9	15333	56602	15198	2027	74 50.5	58643

The values of D, H, and Z were computed from the hourly values derived from the photographic records of all days, and those of X, Y, I, and F deduced from the values of D, H, and Z.

Westerly declination appears now to be decreasing at a slightly accelerated rate. Previous to 1933 it had been increasing about 3′ to 4′ a year.

The decrease of 29γ in H between 1936 and 1937 is only slightly less than the average decrease of 32γ over the last eleven years, while the decrease in Z of 56γ is just two-thirds of the 84γ average over the last eleven years. In X, Y, and I the changes are similar to the averages. F continues to decrease, but the decrease of 60γ is only two-thirds of the eleven-year average of 90γ.

Extreme Values of D, H, and Z recorded during 1936 and 1937 are given in the following table, with their times of occurrence U.T. and the absolute annual range:—

Component	Maximum		Minimum		Absolute Annual Range
	Value	Time	Value	Time	
		1936 d. h. m.		1936 d. h. m.	
D	9° 19′.9	July 19 8 0	6° 58′.3	Nov. 29 4 10	2° 21′.6
H	15781γ	April 22 1 0	14850γ	Nov. 29 7 40	931γ
Z	57102γ	April 21 22 22	56125γ	June 19 7 50	977γ
		1937		1937	
D	9° 18′.2	Aug. 2 6 20	6° 21′.2	April 28 7 26	2° 57′.0
H	15630γ	April 27 22 0	14779γ	April 28 8 0	851γ
Z	57162γ	April 24 22 0	56065γ	Oct. 4 6 0	1097γ

The Magnetic Character Values of the years 1936 and 1937, published by the International Commission, based on the assignment of character figures 0, 1, and 2 in accordance with the international scheme of characterization, are 0.65 and 0.73 respectively. The Agincourt values are 0.68 and 0.83. These show a progressive increase, although much slower than would be expected from the great increase in sunspots. The following table gives the number of days assigned each month at Agincourt to the different character numbers, and the resulting character figure; yearly summaries; corresponding international character figures; and the sunspot numbers taken from *Astronomische Mitteilungen*:—

—	Number of Days with Character			Mean Character Figure		Sunspot Number
	0	1	2	Agincourt	International	
1936						
January	8	22	1	0.77	0.69	62.8
February	8	21	0	0.72	0.78	74.3
March	9	21	1	0.74	0.64	77.1
April	6	20	4	0.90	0.82	74.9
May	9	22	0	0.71	0.70	54.6
June	5	23	2	0.90	0.69	70.0
July	6	23	2	0.87	0.73	52.3
August	13	18	0	0.58	0.45	87.0
September	15	15	0	0.50	0.46	76.0
October	13	16	2	0.65	0.69	89.0
November	15	14	1	0.53	0.70	115.4
December	22	8	1	0.32	0.47	123.4

—	Number of Days with Character			Mean Character Figure		Sunspot Number
	0	1	2	Agincourt	International	
1937						
January	15	16	0	0.52	0.55	132.5
February	3	24	1	0.93	0.89	128.5
March	11	16	4	0.77	0.78	83.9
April	8	16	6	0.93	0.83	109.3
May	5	20	6	1.03	0.74	116.7
June	3	25	2	0.97	0.74	130.3
July	6	23	2	0.87	0.78	145.1
August	11	18	2	0.71	0.53	137.7
September	7	21	2	0.83	0.61	100.7
October	3	23	5	1.06	0.98	124.9
November	8	22	0	0.73	0.73	74.4
December	12	19	0	0.61	0.63	88.8
Year 1927	108	243	14	0.74	0.63	69.0
1928	110	241	15	0.74	0.63	77.8
1929	94	238	33	0.84	0.67	65.0
1930	60	237	68	1.02	0.83	35.7
1931	106	246	13	0.74	0.66	21.2
1932	109	246	11	0.73	0.70	11.1
1933	89	270	6	0.77	0.64	5.7
1934	100	261	4	0.74	0.56	8.7
1935	155	201	9	0.60	0.59	36.1
1936	129	223	14	0.68	0.65	79.7
1937	92	243	30	0.83	0.73	114.4

Assuming a linear relation to exist between the magnetic ranges on quiet days and the sunspot numbers, it can be expressed in the form of an equation

$$R = a + b\,S_n$$

where R is the range, S the sunspot number, and a and b are constants. From the observed ranges during the period 1927 to 1937, the most probable values of a and b were obtained by least squares, and the resultant equations for declination range R_D, horizontal force range R_H, and vertical force range R_Z, are as follows:—

$$R_D = 8'.51 + 0.038S_n \pm 0'.2$$
$$R_H = 29.67 + 0.161S_n \pm 1.5$$
$$R_Z = 2.9 + 0.056S_n \pm 1.0$$

The average values of the *Diurnal Inequality* ranges for the year and for each season for the period 1927-1937 are given below, together with the 1936 and 1937 values expressed as percentages of the average values. The units used are 1γ for H and Z and $1'$ for D. The mean sunspot numbers are: 47.7 for 1927-1937; 79.7 for 1936; and 114.4 for 1937, with but few exceptions both the 1936 and 1937 ranges are above average. The important exception is that the range of D on disturbed days is below normal in 1936, particularly during the winter months:—

—		All Days			Quiet Days			Disturbed Days		
		D	H	Z	D	H	Z	D	H	Z
Year	1927–37	10.5	39.8	17.0	10.5	37.4	6.0	13.6	69.9	57.1
	1936(%)	108	114	137	107	106	153	96	103	148
	1937(%)	119	136	179	118	125	180	111	166	192
Winter	1927–37	7.4	30.2	9.7	7.2	30.9	4.4	11.4	45.3	32.1
	1936(%)	105	111	157	104	116	204	91	117	155
	1937(%)	117	133	163	122	132	182	99	125	149
Equinox	1927–37	10.7	41.0	20.4	11.0	38.8	5.9	14.6	71.6	64.3
	1936(%)	115	116	133	112	109	136	97	97	161
	1937(%)	115	145	211	137	124	183	115	213	171
Summer	1927–38	13.4	48 1	21.4	13.4	42.4	7.5	14.7	92.8	74.9
	1936(%)	104	114	132	103	98	140	99	106	133
	1937(%)	123	131	181	120	120	184	118	148	194

The average ranges of the mean diurnal inequalities of D on all days for the year 1937 and for the summer, particularly for the month of August, are the highest ever recorded at Agincourt. For H, the yearly average was exceeded only in 1926, and in the case of Z only in 1930. The greatest monthly average for both H and Z occurred in April 1937, but during the summer months it was unusually high in both elements.

The average of the twelve monthly values of the inequality ranges for all days, quiet and disturbed, and those derived from the absolute maximum and minimum on all days, are given in the following table for the years 1927 to 1937 inclusive, together with the sunspot numbers from *Astronomische Mitteilungen*:

Year	Sunspot Number	Mean Range from 24 Hour Inequalities									Mean Range from Max. & Min.		
		D			H			Z			All days		
		a	q	d	a	q	d	a	q	d	D	H	Z
					γ	γ	γ	γ	γ	γ		γ	γ
1927	69.0	11′0	11′7	15′1	45.4	41.6	83.8	15.2	5.5	52.5	20′8	87.9	35.5
1928	77.8	11.9	11.8	13.7	50.0	45.0	78.9	12.0	4.5	38.6	21.0	88.6	30.2
1929	65.0	10.9	10.9	15.4	44.8	40.8	72.0	16.7	4.8	57.3	21.2	83.2	38.4
1930	35.7	9.7	10.2	15.0	43.2	34.5	99.8	31.4	7.0	94.5	27.9	106.8	73.0
1931	21.2	9.9	9.0	13.3	30.9	32.0	44.9	10.9	4.7	33.8	19.7	62.5	27.4
1932	11.1	8.9	8.1	10.8	31.7	27.6	41.9	13.2	3.2	30.6	19.7	64.8	31.0
1933	5.7	9.3	8.6	10.0	31.8	30.6	38.2	6.6	2.4	17.1	18.9	61.7	16.6
1934	8.7	9.8	9.6	9.2	33.6	32.9	36.1	9.8	3.9	24.0	17.0	59.3	24.2
1935	36.1	10.5	9.7	9.2	35.7	39.4	41.8	16.9	4.8	44.9	18.4	64.9	41.2
1936	79.7	11.4	11.5	13.0	45.2	39.8	73.5	23.6	9.1	84.3	19.2	78.5	58.9
1937	114.4	12.5	12.4	15.1	54.2	46.7	115.8	30.8	10.9	109.3	22.5	101.2	83.8
Mean	47.7	10.5	10.5	13.6	39.8	37.4	69.9	17.0	6.0	57.1	20.6	78.1	41.8

Columns headed a, q, and d, are for all days, quiet days and disturbed days respectively.

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 1. Agincourt. (H.) 15,000 γ + January, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	382	372	380	379	380	377	377	379	378	377	377	374	372	367	350	337	334	344	351	365	378	384	382	385	370
2	387	381	385	382	382	380	379	381	378	379	377	377	374	368	348	335	326	338	353	367	377	382	382	386	371
3 Q	386	385	387	385	384	382	380	382	382	380	377	377	376	372	361	341	330	337	347	358	368	382	385	385	372
4 Q	386	390	389	387	384	384	380	380	381	381	379	381	380	379	368	353	339	338	351	360	373	383	385	384	375
5	382	382	384	385	384	380	382	382	379	380	384	384	381	377	365	350	341	345	351	358	369	378	385	387	374
6 Q	387	388	387	387	389	389	387	388	388	389	385	384	384	379	370	356	344	348	358	367	381	391	392	392	379
7 Q	390	387	385	382	387	380	385	386	387	387	387	387	384	380	370	356	343	358	371	384	392	394	398	396	381
8 D	392	384	389	395	402	396	385	379	379	387	393	388	378	368	383	373	364	353	358	363	364	374	379	366	379
9	365	370	368	370	372	367	376	370	374	372	377	384	376	372	363	350	344	346	348	359	350	355	368	366	365
10	364	371	370	370	370	377	367	372	373	373	377	389	379	374	363	348	339	344	343	347	363	377	379	377	367
11	373	372	373	375	376	376	376	376	376	372	377	377	370	368	362	347	345	343	360	370	374	380	380	377	370
12	382	361	364	379	381	368	380	372	373	372	365	372	360	358	363	360	345	351	359	358	358	370	382	377	367
13	373	359	351	370	374	370	370	367	362	372	374	376	371	362	358	343	341	343	343	351	348	360	374	372	362
14	369	360	365	370	373	370	371	376	372	372	385	381	375	367	358	353	348	349	360	367	374	374	374	376	368
15	371	371	375	372	381	375	373	369	376	377	380	381	376	373	361	341	333	338	355	362	372	381	379	373	369
16 Q	374	378	381	379	379	379	384	385	386	386	386	386	383	379	369	357	351	352	359	367	374	381	381	373	375
17	381	376	373	369	361	361	371	372	376	380	381	379	376	372	363	355	349	354	357	365	371	378	379	379	370
18 D	389	387	384	371	361	355	366	358	370	374	362	381	381	381	376	369	347	333	332	345	367	374	384	372	368
19	378	376	374	375	371	371	371	371	374	378	376	374	372	357	353	357	356	352	357	351	359	371	379	379	368
20	379	372	371	373	374	372	373	373	375	376	376	374	372	373	369	357	352	359	366	369	359	357	369	379	370
21	377	367	376	379	373	371	375	375	376	380	381	380	376	370	356	360	361	365	374	381	374	361	376	364	372
22	364	359	361	357	357	357	359	364	371	369	360	366	374	381	369	366	364	364	366	372	375	379	379	383	367
23	373	372	371	362	367	365	369	357	357	371	373	375	373	372	366	359	358	360	364	367	374	377	385	387	369
24 D	386	366	368	371	369	369	367	373	371	376	378	378	374	371	364	355	351	344	342	357	364	402	377	399	370
25 D	388	347	347	344	376	348	340	344	340	340	352	352	345	349	333	331	332	333	335	349	349	358	365	371	349
26 D	351	349	361	366	357	352	340	330	344	335	333	357	349	348	332	306	329	351	359	362	378	356	364	372	349
27	373	369	365	369	366	373	368	367	368	369	369	367	364	350	332	327	335	340	350	359	367	369	365	366	360
28	369	371	367	369	357	358	361	356	361	362	365	364	360	354	348	339	335	339	352	365	362	372	375	376	360
29	375	375	375	372	375	374	372	374	370	372	373	375	371	361	351	341	340	350	365	373	368	375	373	365	367
30	368	375	378	374	375	371	363	366	369	368	365	370	365	360	346	339	346	342	358	371	368	372	375	367	365
31	375	364	373	373	371	370	368	368	362	368	370	370	367	357	354	346	344	346	354	358	366	374	372	380	365
Mean	376	372	373	373	374	371	371	370	372	373	373	376	372	367	358	348	344	347	355	362	368	375	378	377	368

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2. Agincourt. (D.) West. 7° . . January, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	37.1	33.2	35.6	36.0	36.1	36.3	37.1	37.1	36.3	36.3	36.1	37.0	35.7	31.9	32.2	36.1	39.0	42.1	42.1	41.9	40.7	39.1	38.5	38.1	37.1
2	37.3	36.4	36.0	36.0	36.0	36.1	36.6	36.4	36.5	36.1	36.1	36.1	35.1	33.1	33.6	35.8	38.9	42.6	43.8	43.1	42.0	39.9	39.6	38.7	37.6
3 Q	37.6	37.0	36.1	35.6	35.9	36.0	36.3	37.0	36.6	36.1	36.1	36.8	35.1	32.8	32.0	34.6	38.5	40.8	42.8	41.8	41.3	39.8	39.1	38.5	37.3
4 Q	37.6	37.0	35.8	35.8	35.8	36.6	36.1	36.5	36.5	36.6	36.6	36.2	35.9	33.9	32.4	32.5	35.1	38.8	41.5	41.7	41.5	40.2	39.0	38.6	37.0
5	37.6	36.8	36.4	36.3	36.0	36.7	36.8	37.0	34.5	35.1	37.6	37.0	35.6	34.0	32.8	33.6	37.3	40.2	41.7	41.8	41.9	39.9	38.4	38.0	37.2
6 Q	37.1	36.8	36.0	36.5	36.1	36.7	36.7	36.9	36.8	36.8	35.9	36.8	35.6	32.1	32.6	34.2	36.1	39.9	40.9	40.5	40.0	38.8	37.9	37.0	36.9
7 Q	36.5	36.0	36.0	36.1	36.6	36.7	37.6	37.0	36.7	36.7	36.6	36.3	35.7	34.7	33.3	35.7	38.8	41.7	42.1	41.0	40.1	38.2	37.6	37.1	37.3
8 D	37.1	36.2	35.5	36.3	36.1	36.2	36.0	36.7	34.7	33.2	35.0	35.1	37.3	39.6	41.4	41.3	43.2	42.0	43.6	42.1	40.2	39.1	38.0	37.2	38.0
9	35.3	36.2	35.9	33.6	36.4	36.7	39.1	39.7	40.4	31.1	33.7	35.9	35.1	34.1	33.8	36.3	39.1	42.6	42.1	41.6	43.0	40.1	38.1	34.7	37.3
10	35.2	34.8	35.6	36.2	37.6	34.6	38.4	38.9	36.9	35.8	41.0	40.7	37.9	38.8	35.2	39.1	43.1	44.1	42.7	39.9	41.2	39.8	38.2	36.8	38.4
11	36.0	34.9	36.0	36.1	36.8	37.4	37.3	37.1	38.1	35.0	33.7	34.7	35.8	33.0	35.2	36.1	38.2	40.9	41.2	41.2	39.9	38.1	37.3	37.1	37.0
12	35.8	35.0	35.8	35.9	35.0	37.1	37.7	36.6	35.7	33.1	41.0	42.0	36.1	33.1	38.2	38.2	40.6	40.9	41.9	39.7	38.6	39.1	38.0	35.7	37.6
13	35.7	32.6	26.7	36.1	36.6	36.9	35.1	38.1	38.1	37.3	36.1	37.2	36.7	36.1	35.1	38.2	38.9	40.6	41.2	39.8	40.9	39.2	38.9	36.7	37.0
14	36.1	35.3	36.3	35.7	37.0	38.1	40.2	40.0	39.2	40.9	36.9	37.7	36.2	33.9	34.8	36.7	39.2	41.6	43.0	42.2	40.6	39.2	39.0	37.9	38.2
15	37.1	36.1	35.1	35.9	39.2	37.1	38.2	39.7	42.7	38.4	36.4	35.7	36.0	33.6	33.7	37.2	39.2	41.6	42.5	42.1	41.2	39.8	38.4	37.6	38.1
16 Q	36.1	35.7	36.1	36.7	37.6	36.8	37.2	37.5	37.6	39.7	37.1	35.1	34.7	32.7	32.5	35.6	37.7	38.8	39.9	40.4	39.9	38.8	37.7	37.8	37.1
17	35.3	34.7	36.6	35.7	34.1	36.7	38.2	37.6	36.3	38.1	36.9	36.7	36.1	34.7	35.6	36.4	38.4	40.2	41.1	40.8	40.2	39.1	38.2	37.7	37.3
18 D	37.1	36.7	37.2	30.2	28.0	34.2	36.2	34.9	37.1	33.7	40.9	38.0	37.0	36.1	37.9	39.1	39.2	44.7	48.1	44.5	43.1	39.9	40.2	39.1	38.0
19	37.7	36.7	35.7	36.1	36.5	36.1	36.1	35.6	37.3	34.6	35.7	36.2	35.2	34.9	36.1	37.6	39.2	40.4	40.8	42.1	40.3	40.6	38.8	37.7	37.4
20	37.2	36.1	36.1	36.8	36.9	36.8	36.6	37.6	38.9	37.1	37.0	36.0	35.8	33.2	32.7	35.2	38.8	39.7	41.0	42.7	43.4	44.1	42.2	39.1	38.0
21	39.6	37.1	37.2	35.8	36.8	35.7	36.2	36.1	36.7	37.1	37.3	37.2	36.9	34.2	34.8	39.2	40.2	40.8	40.4	41.1	42.0	42.2	40.7	39.8	38.1
22	42.2	40.5	38.9	35.2	36.5	35.1	34.1	34.8	36.0	32.6	31.9	36.2	36.9	33.0	33.7	37.1	40.2	41.4	42.4	42.4	42.0	41.5	41.2	45.0	38.0
23	42.5	37.7	37.1	36.4	34.8	36.1	32.9	33.5	31.0	32.2	35.4	36.0	35.1	34.4	33.7	34.9	37.0	38.4	39.5	40.3	40.6	39.4	39.0	38.1	36.5
24 D	39.0	40.1	38.5	36.6	36.0	35.9	36.1	36.1	35.0	34.6	35.7	33.7	34.0	33.2	34.0	36.6	38.0	38.9	44.9	48.0	48.6	51.8	47.1	45.0	39.1
25 D	45.4	38.7	35.9	36.5	43.9	36.0	36.3	34.8	33.6	36.2	34.6	33.6	38.3	38.6	44.1	41.6	38.5	40.2	41.4	41.7	40.0	39.2	38.6	40.6	38.7
26 D	39.0	35.0	36.5	36.5	38.0	36.0	38.1	30.3	30.7	29.8	38.0	35.1	33.5	31.1	35.4	41.2	42.8	40.2	40.1	40.6	41.9	43.0	40.0	38.1	37.1
27	37.1	36.6	33.7	35.7	36.6	36.1	36.5	38.3	36.6	37.1	36.6	37.2	35.6	33.9	34.6	37.3	38.0	40.1	41.1	42.0	41.0	38.6	39.3	37.4	37.4
28	37.9	36.6	30.1	32.2	35.5	35.5	33.3	35.8	37.4	35.9	36.0	35.8	35.1	33.5	35.7	37.0	38.7	40.7	41.3	43.0	42.1	40.2	38.9	38.0	36.9
29	37.8	36.8	36.7	37.1	37.0	37.7	36.7	36.5	36.0	36.7	35.7	35.6	35.6	33.9	34.6	36.1	38.8	42.2	41.1	42.8	41.8	39.3	39.1	38.3	37.7
30	37.2	37.0	37.1	35.6	36.3	34.0	35.0	34.7	37.0	35.0	37.1	38.1	37.2	34.2	35.7	38.7	40.0	41.0	42.6	42.8	41.7	41.2	41.4	41.3	38.0
31	39.5	39.9	36.8	37.1	37.0	36.9	36.9	36.8	38.1	36.8	35.9	35.8	34.8	34.0	33.6	36.8	39.1	40.2	42.3	41.7	42.2	41.0	39.5	38.1	37.9
Mean	37.8	36.5	35.8	35.8	36.5	36.3	36.7	36.7	36.7	35.7	36.5	36.6	35.9	34.2	34.9	37.0	39.1	41.0	42.0	41.9	41.5	40.4	39.3	38.5	37.6

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 3. Agincourt. (Z.) 56,000 γ + January, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	673	674	675	673	671	671	671	673	670	671	670	671	675	670	670	672	674	674	675	674	675	674	671	674	673
2	674	675	673	673	673	673	673	673	672	672	676	676	675	675	670	672	675	675	678	678	679	678	676	675	674
3 Q	675	676	677	677	678	679	679	679	679	678	679	679	679	680	679	675	677	679	685	688	690	684	682	682	680
4 Q	682	683	682	682	680	682	680	682	682	682	682	682	682	682	676	672	678	678	677	679	682	683	683	682	681
5	683	684	683	682	680	680	683	679	673	678	683	682	682	685	683	680	681	679	678	680	686	686	685	683	682
6 Q	684	684	682	681	681	681	681	681	680	680	680	680	680	679	672	671	677	678	682	682	684	684	681	680	680
7 Q	681	680	680	680	681	680	680	680	681	681	681	680	680	680	678	679	681	684	684	684	682	681	681	681	681
8 D	682	682	682	681	681	680	680	676	673	680	682	678	678	682	675	669	673	677	682	687	687	688	685	687	680
9	688	686	684	683	682	680	676	663	657	663	664	669	676	679	679	680	683	684	686	689	692	699	696	692	680
10	692	689	688	688	686	676	678	679	684	681	671	667	673	676	676	679	683	686	692	701	698	694	692	691	684
11	690	692	690	689	689	689	689	689	683	671	681	683	687	690	684	680	685	689	693	691	687	687	689	689	687
12	689	690	691	680	682	683	674	684	689	684	680	675	672	671	667	675	680	684	688	690	695	696	693	690	683
13	694	694	694	694	691	688	682	685	688	691	688	688	688	694	694	692	694	696	697	700	698	698	696	692	692
14	692	694	691	691	691	691	688	684	682	678	678	678	678	689	685	683	678	684	686	686	688	686	687	688	686
15	687	688	687	686	675	673	685	684	679	686	685	684	686	686	684	682	686	691	693	693	691	693	688	686	686
16 Q	688	688	688	688	688	688	687	687	685	685	683	683	682	682	682	682	687	690	693	698	696	696	695	693	688
17	696	695	695	695	696	697	695	691	691	692	691	691	690	691	681	676	678	682	689	689	689	689	689	688	690
18 D	682	679	678	677	676	683	684	676	677	677	660	645	655	665	665	669	673	681	694	696	691	689	691	694	677
19	697	695	692	692	692	692	690	689	684	684	684	684	684	680	678	677	677	680	684	689	690	690	685	684	687
20	684	684	684	684	684	683	680	679	678	677	678	678	680	680	675	673	674	679	676	680	685	693	692	688	681
21	691	690	690	688	690	689	686	686	687	687	686	685	685	686	686	678	675	678	680	677	678	683	686	689	685
22	693	699	699	699	699	695	694	693	690	684	680	678	674	678	673	670	672	679	683	686	685	686	693	705	687
23	710	704	702	704	692	685	684	671	658	678	681	682	682	684	677	672	668	671	673	673	675	676	677	678	682
24 D	678	698	698	689	685	684	684	682	681	678	677	674	678	678	671	669	671	672	674	682	702	756	805	788	694
25 D	785	720	702	699	682	675	689	685	667	671	671	672	671	665	658	658	673	678	681	688	688	688	687	690	685
26 D	695	706	709	701	701	690	665	650	655	664	646	655	668	674	662	664	673	673	673	673	681	692	687	681	677
27	682	682	678	680	678	679	672	678	674	677	676	675	679	672	667	667	671	671	672	674	674	674	673	676	675
28	678	676	678	663	676	658	646	662	672	674	675	675	678	680	667	664	667	668	667	673	673	673	671	671	670
29	672	673	672	671	671	671	671	672	671	671	671	672	671	667	660	658	663	667	667	673	674	673	674	674	670
30	676	676	676	676	675	673	671	672	673	678	668	661	662	667	664	667	668	668	665	667	667	673	674	675	670
31	678	682	676	672	671	671	671	667	661	667	670	671	671	671	664	664	665	667	671	671	674	674	676	676	671
Mean	688	688	686	684	683	681	680	679	677	677	677	675	677	679	674	673	676	679	681	684	685	688	688	688	681

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 4. Agincourt — January, 1936.

Day	Horizontal Force: Maximum 15,000 γ +			Horizontal Force: Minimum 15,000 γ +			Horizontal Force: Range	Declination: Maximum 7° West +			Declination: Minimum 7° West +			Declination: Range	Vertical Force: Maximum 56,000 γ +			Vertical Force: Minimum 56,000 γ +			Vertical Force: Range	Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	21	24	387	16	47	332	55	19	30	42.1	1	26	30.1	12.0	18	30	678	10	40	669	9	136	1
2	0	29	390	16	50	326	64	18	44	44.1	14	24	31.3	12.8	20	0	682	15	0	672	10	161	0
3 Q	1	53	390	16	23	328	62	18	50	42.8	14	27	31.1	11.7	20	13	688	0	30	675	13	169	0
4 Q	2	20	390	16	4	334	56	20	7	41.7	15	0	31.8	9.9	21	0	685	15	7	673	12	154	0
5	7	50	390	16	52	337	53	19	18	41.8	8	30	31.6	10.2	21	0	689	8	23	672	17	178	1
6 Q	21	47	396	16	30	341	55	18	14	41.8	14	0	30.6	11.2	21	0	687	15	30	672	15	170	0
7 Q	22	50	402	16	40	343	59	18	0	42.9	14	30	33.1	9.8	18	0	687	15	36	676	11	153	0
8 D	3	57	413	17	50	348	65	16	17	44.6	8	58	28.9	15.7	19	47	691	15	0	669	22	225	1
9	11	7	387	16	5	339	48	8	0	44.4	9	22	28.2	16.2	22	0	700	8	8	655	45	329	1
10	11	47	392	16	50	333	59	17	22	44.9	14	23	31.2	13.7	19	5	711	10	47	664	47	355	1
11	11	14	383	15	55	339	44	17	45	42.1	13	37	31.0	11.1	1	18	694	9	20	671	23	199	1
12	3	27	397	16	38	340	57	10	51	45.9	4	0	30.0	15.9	21	0	696	13	50	665	31	258	1
13	22	4	382	18	43	332	50	18	0	41.7	2	22	19.1	22.6	22	3	704	6	42	682	22	202	1
14	11	6	387	17	0	342	45	2	8	44.3	13	50	32.0	12.3	6	0	694	10	0	676	18	171	1
15	4	10	398	16	17	330	68	8	20	46.1	13	40	32.7	13.4	21	50	697	4	30	671	26	253	1
16 Q	10	0	387	16	14	351	36	8	30	46.6	14	0	30.9	15.7	19	30	698	13	0	682	16	134	0
17	10	13	384	16	20	346	38	18	40	41.2	4	5	31.4	9.8	5	10	698	14	56	675	23	187	0
18 D	1	55	391	18	7	316	75	18	30	49.1	3	56	20.4	28.7	18	34	700	11	11	639	61	445	1
19	0	26	383	20	0	341	42	19	30	42.7	7	23	32.4	10.3	0	20	700	16	52	677	23	195	1
20	0	13	386	20	46	349	37	21	0	45.1	13	40	31.9	13.2	22	0	697	5	12	674	23	185	1
21	19	33	391	21	13	348	43	21	0	43.2	14	0	32.8	10.4	23	48	693	16	47	677	16	157	1
22	23	4	391	0	2	350	41	0	40	47.1	10	40	30.9	16.2	23	59	712	12	15	671	41	292	1
23	4	50	402	7	53	343	59	0	1	44.1	8	34	26.5	17.6	0	23	715	8	26	653	62	401	1
24 D	21	33	434	18	40	338	96	21	33	58.0	11	50	31.1	26.9	22	2	723	15	27	671	52	415	1
25 D	4	18	441	14	20	318	123	4	36	66.5	4	9	18.1	48.4	0	28	809	4	30	644	165	1033	2
26 D	20	53	387	15	47	294	93	21	14	45.6	1	0	24.5	21.1	2	20	718	10	37	643	75	528	1
27	5	50	387	15	20	325	62	20	4	42.3	13	50	32.0	10.3	0	30	687	14	10	664	23	214	1
28	6	5	386	15	28	332	54	19	25	44.1	2	50	11.6	32.5	13	30	683	6	15	616	67	395	1
29	21	23	382	17	20	338	44	19	40	42.8	13	26	33.6	9.2	23	40	681	15	38	658	23	188	0
30	3	28	385	15	20	332	53	22	50	43.6	5	50	32.6	11.0	23	50	680	12	10	660	20	184	1
31	0	10	400	17	0	338	62	0	16	44.3	0	7	31.9	12.4	0	50	686	8	30	662	24	214	1
Mean			394			336	58			45.1			29.2	15.9			699			665	34	267	0.77
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 5. Agincourt. (H.) 15,000 γ + February, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	375	382	378	380	377	375	370	372	371	373	373	371	367	357	351	343	339	346	357	365	364	380	383	373	368
2	378	379	378	378	376	375	370	375	375	373	371	372	373	368	360	349	354	363	370	356	366	366	369	362	369
3	371	374	366	359	367	376	352	357	357	368	362	367	362	358	357	356	356	362	366	370	375	385	380	377	366
4	380	382	371	365	375	372	368	372	360	363	375	377	375	372	358	346	344	352	358	361	371	371	375	375	368
5 Q	372	372	372	370	365	365	363	370	372	375	377	377	375	371	368	360	360	365	377	385	385	381	380	377	372
6	372	370	370	368	370	369	370	372	375	379	380	383	382	377	371	363	358	365	370	373	374	375	375	380	372
7 Q	379	379	380	380	378	375	375	378	381	381	381	381	380	376	372	372	370	372	373	378	381	382	379	380	378
8	378	374	377	379	379	379	380	382	384	385	382	381	380	375	371	366	370	370	375	375	373	363	371	378	376
9	382	375	366	372	372	371	373	373	375	378	378	383	380	375	377	368	362	357	367	375	372	367	372	372	372
10	372	366	358	366	367	358	354	370	371	368	372	386	386	368	354	341	332	346	360	371	373	366	346	361	363
11	366	368	374	370	372	382	368	371	373	368	368	373	372	353	334	332	328	328	337	354	366	370	370	373	361
12	378	378	377	374	375	373	372	374	375	377	378	375	366	355	352	348	346	351	358	368	375	378	380	383	370
13 Q	387	385	383	380	380	383	387	381	380	383	385	383	379	368	353	342	340	348	361	372	382	385	385	383	375
14	380	380	381	381	380	387	379	380	382	389	385	401	390	383	361	322	333	355	364	372	370	371	368	378	374
15	380	372	366	363	372	371	368	368	368	368	368	372	368	358	363	347	347	360	363	368	370	360	358	359	365
16 D	353	365	362	357	359	361	361	360	365	371	376	356	379	370	344	339	339	346	358	378	388	379	381	380	364
17 D	387	366	366	372	385	375	354	355	360	363	356	348	352	343	349	327	329	334	355	371	353	343	349	348	356
18	351	351	353	358	360	361	356	354	358	359	361	357	351	347	346	348	336	342	351	356	354	358	360	366	354
19 D	370	369	363	356	360	363	366	351	354	360	356	348	357	358	331	312	307	327	342	355	363	356	351	341	351
20	353	346	351	359	362	362	363	362	362	368	370	366	359	349	344	341	344	355	360	364	366	365	368	364	358
21 D	368	362	372	376	368	352	331	363	368	366	356	358	366	341	351	363	339	342	342	363	366	351	351	363	357
22 D	368	363	370	358	370	356	355	346	356	346	354	360	354	339	309	325	356	360	357	367	361	349	351	365	354
23	366	375	370	358	361	366	372	369	365	365	366	366	365	343	349	354	356	370	385	378	356	363	366	355	364
24	364	368	361	359	367	368	364	365	366	366	367	362	345	344	338	333	330	341	354	362	375	369	366	371	358
25	373	378	379	374	375	376	376	376	373	376	373	373	364	340	335	336	335	340	352	355	359	359	362	372	363
26	369	361	369	367	359	367	361	366	369	369	357	357	359	342	322	332	329	335	346	368	349	357	367	367	356
27	369	355	357	355	361	358	357	362	358	363	369	368	352	331	328	316	316	319	330	352	361	368	369	372	352
28 Q	370	372	373	373	374	376	372	372	371	371	369	369	372	362	350	338	327	332	340	357	364	373	379	378	364
29	379	377	378	376	376	375	377	375	374	371	373	373	372	362	347	341	351	357	367	369	376	381	378	367	370
30																									
31																									
Mean	372	370	370	368	370	370	366	368	369	370	370	370	368	358	350	343	342	350	358	367	368	368	369	370	364

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6. Agincourt. (D.) West. 7° . . . ′ February, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	38.5	36.6	37.0	36.5	35.6	37.2	37.6	38.2	37.6	36.5	35.6	36.0	33.5	32.6	34.0	36.7	39.0	41.2	42.3	42.3	41.0	40.1	39.6	38.7	37.7
2	37.9	37.5	37.0	37.0	36.7	36.7	35.9	35.8	36.0	35.3	34.9	35.0	34.6	33.0	34.0	34.2	39.7	41.7	43.6	44.9	42.6	40.9	43.0	42.1	37.9
3	39.5	39.4	37.2	36.0	34.9	36.4	34.3	32.1	31.8	34.4	37.0	33.3	31.6	33.5	36.7	38.0	40.0	40.6	41.0	40.7	39.0	38.1	38.6	38.5	36.8
4	38.1	37.1	37.6	37.9	37.1	37.1	35.6	37.4	38.7	27.5	33.0	32.5	33.3	33.1	34.7	37.5	39.6	41.0	40.4	41.1	40.9	39.1	38.3	37.8	36.9
5 Q	37.6	36.5	37.5	37.9	37.0	36.0	36.0	37.6	35.9	36.6	35.0	35.0	35.5	37.0	37.0	38.3	39.1	40.1	39.8	38.3	37.7	37.6	37.6	38.1	37.3
6	38.0	37.2	36.7	36.5	37.0	37.1	38.1	38.1	38.1	37.0	36.3	35.8	35.1	35.0	33.9	35.9	38.0	40.8	40.9	39.8	39.1	38.1	38.1	37.7	37.4
7 Q	37.2	36.9	36.8	37.2	37.5	36.6	38.0	40.2	35.5	34.0	35.2	35.3	35.5	35.6	37.3	39.0	40.6	41.9	41.9	40.6	38.7	38.0	38.5	38.5	37.8
8	37.8	37.6	37.4	36.9	36.9	36.9	36.4	36.8	35.4	35.5	36.0	35.4	35.0	34.4	35.4	36.3	38.6	40.0	41.2	41.7	40.5	38.9	39.4	38.2	37.4
9	37.4	36.9	37.4	29.4	21.1	28.0	37.7	38.0	36.5	37.9	36.5	34.1	38.9	37.0	37.6	39.2	41.6	41.8	41.4	40.4	40.2	40.1	38.9	33.2	36.7
10	33.9	35.2	33.2	37.0	38.0	38.9	42.6	41.1	37.5	35.9	38.7	37.0	36.1	34.5	35.1	39.6	44.5	45.0	44.6	43.0	41.0	39.2	36.9	36.7	38.6
11	35.4	33.9	36.3	36.0	35.9	42.9	37.7	37.4	36.8	38.4	38.0	35.8	34.9	32.7	34.0	36.6	39.0	41.0	42.3	40.5	39.1	38.3	37.9	36.4	37.4
12	37.4	36.9	36.4	36.0	34.9	37.0	37.4	37.5	38.7	37.5	35.9	35.6	34.8	33.9	33.9	35.6	38.7	41.2	41.7	39.9	38.7	38.2	37.9	37.4	37.2
13 Q	36.6	36.0	35.9	36.3	36.5	37.3	37.5	36.8	37.9	36.4	34.9	34.6	33.9	32.9	34.0	36.1	39.9	42.2	42.2	40.5	39.0	37.5	37.4	37.5	37.1
14	37.0	37.4	36.8	36.7	37.0	37.5	38.3	37.1	37.1	35.6	36.7	33.7	32.5	30.2	31.6	30.7	43.0	45.9	44.4	42.2	41.6	39.9	40.8	39.5	37.6
15	39.1	36.0	38.6	35.9	35.9	36.7	36.4	36.2	36.3	35.8	35.5	34.0	34.4	34.6	34.7	35.4	43.9	43.0	41.6	40.0	39.0	38.9	39.9	38.2	37.5
16 D	35.7	35.9	35.9	34.9	34.4	35.5	35.4	36.6	35.9	32.9	35.9	61.2	42.4	33.4	34.8	43.0	42.0	45.0	45.9	42.5	43.9	44.8	41.1	38.9	39.5
17 D	39.0	35.9	34.9	37.0	38.4	40.5	36.9	34.9	35.7	34.7	33.0	35.0	33.5	36.6	40.8	46.9	47.2	45.9	44.0	35.6	40.0	39.4	39.9	39.6	38.6
18	38.4	35.8	36.0	36.5	36.2	37.2	36.4	38.5	36.6	35.8	36.0	36.9	35.5	36.4	38.0	39.0	41.0	41.9	43.2	41.8	40.0	38.8	38.6	38.4	38.0
19 D	37.6	36.5	35.0	35.7	36.4	36.5	35.0	37.4	36.2	36.0	33.0	41.0	37.4	34.5	35.8	40.0	43.7	47.8	45.7	45.2	47.2	40.9	46.5	42.9	39.3
20	40.5	33.5	36.5	36.9	37.0	36.9	37.0	35.9	36.4	37.5	36.2	36.5	36.4	36.4	36.9	41.0	42.4	41.4	42.5	42.9	42.8	39.5	41.8	40.8	38.6
21 D	39.8	35.6	37.5	36.3	36.9	42.2	48.4	37.4	37.0	34.0	35.0	36.0	37.9	41.8	42.8	40.9	43.9	43.0	45.5	44.5	43.9	43.5	42.1	40.9	40.3
22 D	37.5	33.1	38.0	34.2	32.5	35.6	36.1	32.9	38.5	28.0	35.1	34.5	33.9	33.0	39.8	44.6	40.5	40.6	40.6	40.4	38.9	40.3	38.2	39.8	36.9
23	37.6	34.8	37.5	35.7	36.0	36.9	37.8	36.6	34.0	35.9	36.7	35.6	35.0	38.6	40.9	41.0	42.9	44.5	42.6	41.5	41.1	41.0	39.4	39.9	38.5
24	40.4	39.0	35.9	36.0	37.4	36.8	37.0	37.4	36.7	36.0	35.5	35.9	37.0	35.0	34.6	36.7	39.7	42.8	43.2	42.2	41.0	38.7	38.0	39.0	38.0
25	38.0	36.4	34.9	36.5	36.8	37.0	36.6	36.6	35.9	35.6	35.0	35.4	33.8	35.1	38.2	36.9	41.5	45.0	45.9	46.3	47.1	45.1	42.0	40.4	38.8
26	38.9	37.0	37.5	35.6	34.9	37.0	35.1	35.9	35.5	35.9	37.1	36.5	31.4	30.5	35.6	36.9	43.0	46.0	47.9	45.9	45.5	43.9	41.0	42.2	38.6
27	46.4	41.0	36.0	37.8	36.7	38.2	40.0	34.8	35.0	37.9	36.4	34.9	34.9	38.9	35.0	40.0	41.6	44.0	45.1	44.5	43.6	41.6	40.9	39.8	39.4
28 Q	38.7	37.6	36.8	36.6	35.6	36.6	36.1	36.7	36.1	35.8	36.2	35.5	34.4	32.9	32.9	34.5	37.9	40.6	42.7	43.3	42.5	40.0	40.0	38.9	37.4
29	38.0	37.2	37.0	36.9	36.9	37.3	36.9	36.4	35.0	34.9	36.6	32.6	31.9	32.8	30.7	37.9	41.0	43.1	44.9	45.0	43.2	41.5	39.9	40.0	37.8
30																									
31																									
Mean	38.2	36.5	36.6	36.2	35.8	37.1	37.4	36.8	36.3	35.3	35.7	36.2	35.0	34.6	35.9	38.2	41.1	42.7	43.0	42.0	41.3	40.0	39.7	38.9	37.9

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 7. Agincourt. (Z.) 56,000 γ + February, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	675	675	675	674	671	668	671	671	672	671	669	669	671	671	664	664	672	667	673	668	669	671	671	671	670
2	671	671	671	671	671	671	671	671	671	671	671	671	670	669	667	660	664	660	664	667	674	673	674	679	670
3	679	680	680	683	678	655	644	667	670	671	669	671	675	671	667	671	668	671	675	676	678	678	674	672	672
4	674	673	673	676	668	673	673	660	629	629	649	658	664	669	667	669	671	673	673	673	673	673	673	673	666
5 Q	674	674	673	673	673	671	673	672	670	671	671	672	673	671	665	667	667	667	669	670	667	667	669	670	671
6	671	671	671	672	671	669	667	665	669	671	671	671	671	671	667	661	658	661	664	667	670	671	671	671	669
7 Q	669	669	671	668	669	668	667	666	667	667	667	667	669	669	664	668	667	668	671	672	671	667	670	670	669
8	671	671	671	670	669	669	669	671	669	669	667	667	671	671	670	670	671	668	671	671	671	673	673	672	670
9	669	669	671	667	655	669	671	671	671	671	664	668	667	660	660	664	669	671	675	676	679	678	678	680	670
10	673	681	681	673	674	672	667	667	667	669	667	668	664	665	668	668	670	676	678	680	678	682	685	688	673
11	688	683	678	675	669	350	667	673	672	671	667	671	672	673	675	680	678	680	681	679	678	678	675	578	675
12	678	675	674	674	672	673	673	672	672	672	672	672	674	673	673	671	671	671	672	673	672	673	671	672	673
13 Q	673	671	671	671	671	669	664	667	671	669	669	669	671	671	667	667	667	668	671	671	674	672	670	672	670
14	672	671	672	672	671	667	669	671	671	672	667	662	664	664	658	652	662	662	667	671	674	678	674	679	669
15	678	681	686	690	681	679	678	678	678	676	674	673	671	674	672	671	671	676	681	681	682	681	685	685	679
16 D	689	684	683	678	674	673	672	671	667	665	655	636	641	653	653	662	667	671	674	678	688	689	684	682	671
17 D	690	712	701	696	694	692	678	685	681	673	673	655	653	660	658	661	667	680	720	754	712	699	700	695	687
18	696	698	691	691	691	689	685	680	679	683	681	682	683	687	683	683	683	689	691	691	687	686	691	691	686
19 D	683	683	683	682	683	682	679	663	659	657	662	646	651	659	657	659	674	675	683	695	727	731	715	711	679
20	703	699	694	685	679	679	676	674	673	671	671	674	674	675	667	665	667	671	677	679	683	684	681	683	679
21 D	683	683	681	681	677	663	653	668	671	667	660	665	675	662	652	643	646	655	663	675	687	691	683	691	670
22 D	699	702	694	686	675	671	681	667	630	677	665	670	675	670	660	655	655	655	655	667	675	686	697	686	671
23	683	675	675	679	683	679	671	667	671	671	671	668	671	669	670	670	667	668	670	684	686	685	691	691	676
24	694	694	695	690	679	676	677	678	679	678	678	678	672	676	674	669	667	671	675	678	682	684	685	684	680
25	686	684	677	679	680	679	680	680	678	678	679	680	684	683	676	672	676	684	690	690	695	700	694	692	683
26	696	701	698	700	697	692	688	690	692	696	690	672	674	686	682	680	684	699	704	710	720	716	710	715	696
27	736	741	732	720	706	692	665	684	687	687	687	690	695	695	692	684	690	700	704	696	700	698	700	701	699
28 Q	700	696	693	694	692	687	690	689	688	688	688	688	688	688	684	682	680	684	684	688	687	686	686	684	688
29	685	685	686	686	686	686	684	684	684	684	671	679	680	680	680	678	676	676	676	675	675	680	690	692	682
30																									
31																									
Mean	683	684	682	681	677	674	672	673	670	670	670	669	670	671	668	667	669	673	677	681	682	683	682	683	676

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 8. Agincourt. February, 1936.

Day	Horizontal Force							Declination							Vertical Force							Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	7° Maximum West +			7° Minimum West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 Q	2	0	386	16	10	339	47	19	0	42.6	13	14	31.8	10.8	21	20	673	15	8	664	9	117	0
2	8	30	381	15	50	341	40	20	0	45.3	15	13	31.0	14.3	20	50	683	17	50	660	23	181	1
3	5	25	396	6	35	342	54	6	50	44.4	6	50	27.3	17.1	3	30	690	6	20	628	62	349	1
4	1	0	388	16	32	342	46	8	40	44.1	9	30	23.1	21.0	3	20	679	7	50	613	66	409	1
5 Q	19	43	390	15	38	357	33	7	6	40.1	13	16	33.6	6.5	0	10	678	14	17	666	12	113	0
6	12	20	385	17	0	358	27	18	0	41.3	14	0	32.9	8.4	1	50	673	16	23	658	15	121	0
7 Q	21	13	386	16	10	368	18	7	17	43.0	9	43	33.0	10.0	19	20	673	14	30	664	9	71	0
8	8	25	387	21	12	362	25	19	14	41.9	13	4	33.5	8.4	22	44	676	17	6	669	7	72	0
9	11	53	395	17	47	352	43	12	43	44.0	3	52	16.9	27.1	20	30	685	4	30	650	35	247	1
10	11	48	401	16	20	327	74	17	34	46.4	2	32	24.0	22.4	21	40	691	12	10	662	29	261	1
11	5	7	402	17	4	324	78	5	30	46.6	1	4	30.6	16.0	0	20	689	5	23	643	46	352	1
12	23	59	390	16	13	344	46	18	20	41.9	14	15	31.8	10.1	0	10	678	16	18	669	9	116	0
13 Q	6	17	392	6	13	339	53	18	0	42.5	13	45	31.7	10.8	20	20	678	6	24	663	15	157	0
14	11	23	407	5	30	303	104	16	55	48.0	15	30	27.7	20.3	23	10	681	15	20	648	33	330	1
15	1	47	385	16	0	327	58	2	12	45.7	1	37	29.2	16.5	23	0	690	12	18	671	19	185	1
16 D	20	50	429	14	33	312	117	11	40	68.7	14	10	30.0	38.7	20	50	700	12	20	631	69	537	1
17 D	1	4	407	15	33	314	93	15	37	54.4	1	36	26.4	28.0	19	17	781	11	50	640	141	869	1
18	23	59	372	16	32	331	41	18	48	43.5	1	32	33.6	9.9	0	49	699	7	50	675	24	171	1
19 D	20	43	388	16	0	296	92	20	34	49.7	7	7	30.9	18.8	21	0	775	11	32	633	42	697	1
20	22	0	373	2	0	334	39	16	4	43.7	1	30	24.8	18.9	0	18	707	16	0	663	44	258	1
21 D	3	40	376	6	20	318	58	6	0	56.2	1	40	28.5	27.7	21	14	692	15	48	639	53	327	1
22 D	4	53	385	14	26	294	91	15	38	47.5	9	43	23.9	23.6	0	55	711	8	20	595	116	650	1
23	19	14	392	13	52	329	63	17	30	45.9	1	38	31.1	14.8	23	48	694	16	37	667	27	216	1
24	20	25	378	16	30	329	49	17	0	42.7	23	37	30.7	12.0	1	37	696	16	20	666	30	205	1
25	2	4	386	13	44	323	63	20	15	48.2	2	36	30.7	17.5	21	20	704	15	16	671	33	242	1
26	22	54	381	14	17	316	65	18	32	49.4	13	50	28.9	20.5	20	30	732	11	10	668	64	386	1
27	0	18	381	14	54	308	73	0	54	50.6	12	23	31.7	18.9	1	20	748	6	23	654	94	526	1
28 Q	22	13	384	16	52	323	61	19	30	43.5	13	40	31.8	11.7	1	0	701	15	50	678	23	194	0
29	21	43	387	15	33	339	48	19	10	45.9	14	38	29.8	16.1	23	0	698	10	40	669	29	199	1
30																							
31																							
Mean			389			331	58			46.5			29.3	17.2			699			658	41	295	0.72
No. days			29			29	29			29			29	29			29			29	29	29	29

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 9. Agincourt. (H.) 15,000 γ + March, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	377	379	379	380	375	370	373	374	365	374	377	373	369	363	349	339	338	339	348	360	367	374	375	380	367
2	382	382	382	381	379	379	380	379	382	384	383	382	374	362	351	351	350	358	365	373	378	377	374	377	374
3 Q	382	382	383	383	381	382	382	385	384	385	386	387	381	370	358	353	350	355	360	372	380	387	392	389	377
4 Q	390	387	386	388	387	389	387	390	392	391	392	389	382	369	354	348	354	363	375	385	389	387	388	392	381
5	391	377	374	379	382	382	382	380	382	385	386	387	382	368	348	345	346	354	355	370	377	382	387	385	374
6	387	385	384	384	383	385	389	387	389	387	389	387	382	373	355	338	329	332	343	359	370	382	372	372	373
7 Q	381	379	377	378	378	378	377	377	380	381	381	383	380	370	363	355	344	350	360	375	382	387	387	391	375
8	387	383	385	382	378	379	384	387	389	390	392	390	387	376	344	327	340	345	345	358	368	373	368	379	372
9	380	375	372	371	377	380	384	380	383	383	385	378	358	367	355	346	348	346	349	338	358	379	382	377	369
10	374	376	377	367	368	372	373	376	377	373	379	380	377	365	344	331	328	336	349	361	372	381	383	382	367
11 Q	388	381	381	381	383	383	383	386	386	388	389	388	385	374	355	341	332	335	344	362	380	388	386	388	375
12 Q	390	388	390	388	383	383	385	385	388	386	386	388	386	377	365	359	359	359	361	371	380	386	386	386	380
13	386	386	385	386	383	383	383	383	386	386	383	383	381	376	366	359	352	357	366	365	374	381	383	386	377
14	386	383	383	386	385	385	382	381	378	387	383	384	383	377	366	356	342	337	350	367	378	378	384	386	375
15	378	366	371	379	376	377	373	378	373	376	380	381	379	373	364	354	354	359	371	378	382	373	374	368	373
16	376	380	380	383	378	373	373	377	377	378	381	378	376	366	359	351	355	359	366	375	380	386	385	392	375
17	393	386	369	374	382	374	373	371	371	370	371	371	365	359	347	336	340	349	354	375	382	378	386	371	369
18	375	375	376	374	378	378	378	368	366	373	369	362	368	361	349	337	342	349	361	371	378	379	375	371	367
19	371	361	359	368	368	371	368	364	370	372	370	366	359	348	344	340	339	345	368	357	380	373	376	378	363
20 D	370	373	378	374	354	357	326	349	359	359	367	371	351	359	349	339	333	344	363	373	373	385	364	366	360
21 D	373	352	341	344	358	338	319	335	355	333	342	352	352	344	341	338	327	331	345	358	366	372	373	379	349
22	364	343	351	367	372	365	367	369	369	372	370	362	351	351	341	331	326	330	333	347	364	368	377	381	357
23 D	378	382	372	358	354	305	339	335	338	356	358	341	369	364	335	307	284	293	321	372	369	364	372	381	348
24 D	362	363	367	362	360	378	326	358	378	366	377	373	360	330	342	352	341	331	338	352	388	401	385	369	361
25 D	338	356	345	357	360	360	360	360	361	359	360	346	348	330	328	326	319	324	333	353	365	385	396	367	352
26	362	345	344	353	360	363	339	356	365	364	362	364	358	348	335	321	313	322	335	360	372	376	372	358	352
27	366	358	355	358	358	362	363	363	369	362	364	358	358	350	336	322	316	321	333	362	384	380	364	366	355
28	361	344	346	347	347	356	361	366	366	370	371	372	365	352	344	333	333	343	358	359	364	380	375	376	358
29	379	381	370	351	346	349	348	356	356	361	365	365	361	358	347	337	331	332	344	359	366	381	385	381	359
30	382	376	368	364	362	362	362	366	370	370	372	373	369	360	342	325	317	330	346	361	374	383	384	389	363
31	381	375	379	378	375	368	368	366	358	360	365	375	378	371	354	336	334	336	357	375	380	385	392	393	368
Mean	377	373	371	372	371	370	367	371	373	374	375	374	370	361	349	340	336	341	351	364	375	380	380	379	366

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10. Agincourt. (D.) West. 7° . . ' March, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	37.9	37.9	37.4	37.3	35.9	35.6	36.4	36.4	38.6	37.9	34.6	33.9	33.4	32.8	32.9	35.2	38.6	42.1	43.4	42.5	40.8	38.9	38.7	39.0	37.4
2	37.9	37.3	37.0	37.1	37.5	37.2	36.9	36.4	35.8	35.6	35.6	35.5	34.5	33.0	33.5	35.4	39.4	42.0	42.5	41.6	40.0	38.4	39.4	39.3	37.4
3 Q	38.0	37.5	37.4	37.0	36.9	37.0	36.6	36.9	36.8	36.1	35.8	35.0	33.7	32.7	33.2	37.0	40.9	42.9	43.2	42.0	40.1	38.5	38.0	38.6	37.6
4 Q	37.7	37.0	36.9	36.8	35.9	35.9	35.9	35.8	35.5	35.5	35.0	34.9	33.5	31.9	32.9	36.3	41.5	44.7	45.1	43.7	41.0	38.9	38.7	37.7	37.4
5	37.7	38.7	39.0	37.5	36.9	36.8	36.5	36.0	35.7	35.9	35.6	35.4	32.8	31.8	31.0	37.0	39.0	42.9	44.5	42.6	40.9	39.0	38.4	37.8	37.5
6	37.2	36.9	36.9	36.9	36.9	37.0	35.9	35.9	35.6	35.5	35.4	33.4	32.9	31.9	31.5	33.4	39.6	42.6	43.9	43.6	42.9	41.1	40.9	39.8	37.4
7 Q	37.9	37.1	37.0	36.0	36.2	35.6	33.8	35.5	35.5	35.1	35.1	34.6	33.4	34.0	33.9	34.8	39.5	43.0	44.1	43.9	41.7	39.1	38.0	37.7	37.2
8	37.4	37.1	36.9	37.0	37.0	38.5	35.8	35.8	35.5	34.9	34.9	35.5	34.2	31.0	28.2	37.7	43.8	42.6	44.4	44.3	43.4	40.9	39.4	38.6	37.8
9	37.4	37.0	36.0	35.9	37.2	37.5	36.5	36.4	35.8	35.7	35.5	34.9	38.7	37.7	33.0	36.0	40.4	41.6	41.2	42.9	42.0	40.5	38.6	37.6	37.8
10	36.9	36.9	36.4	34.6	34.5	36.1	40.0	36.2	35.8	37.4	38.2	35.8	34.0	31.0	31.0	35.7	40.6	44.0	44.8	42.9	40.9	39.0	37.8	37.9	37.4
11 Q	37.0	36.7	36.5	36.7	36.7	36.5	36.5	36.4	36.0	35.9	35.2	34.7	32.8	30.8	29.5	32.7	37.9	42.6	44.5	45.2	43.9	40.7	38.5	37.9	37.2
12 Q	37.7	36.9	36.8	37.4	36.8	35.9	35.9	36.0	35.9	35.2	35.2	34.7	33.0	31.5	32.4	35.0	38.8	42.6	43.7	42.8	40.9	39.6	38.9	38.6	37.2
13	37.9	37.7	37.3	37.4	37.2	37.2	35.9	36.6	38.2	35.6	34.0	34.6	33.0	30.4	29.8	31.9	37.0	40.9	42.4	42.5	41.6	40.4	39.0	38.4	37.0
14	37.9	37.4	37.0	36.9	36.4	36.0	35.6	35.6	38.4	34.8	33.7	34.0	33.5	32.8	32.2	33.3	37.4	41.3	44.0	43.5	43.7	42.7	40.8	38.9	37.4
15	39.0	40.0	36.7	34.0	35.7	36.0	36.4	41.2	34.5	33.2	34.2	34.5	33.9	32.0	32.5	33.7	38.7	41.2	43.0	43.6	42.5	40.9	39.8	39.0	37.3
16	37.8	38.0	37.7	37.4	36.9	33.8	33.0	34.7	34.0	35.4	35.0	34.6	33.5	32.9	34.0	38.1	40.4	43.1	44.7	44.4	43.4	42.0	40.6	39.2	37.7
17	39.8	40.7	38.6	38.4	37.8	36.7	35.6	35.0	34.0	35.0	35.4	34.7	33.5	31.6	32.4	37.4	43.5	45.4	45.0	43.9	43.0	40.5	39.9	36.0	38.1
18	39.0	39.1	34.4	35.5	37.1	37.2	35.9	37.5	39.8	33.9	34.0	35.5	34.4	31.5	33.5	38.9	43.0	45.5	46.2	46.4	44.9	40.4	38.5	32.9	38.1
19	33.7	36.9	35.8	34.0	35.9	36.4	36.8	39.6	37.8	35.9	33.9	32.9	33.0	31.6	32.5	35.6	37.9	41.5	43.8	43.9	44.0	41.2	41.0	38.6	37.2
20 D	38.2	37.3	35.8	28.2	32.0	34.0	39.9	33.0	34.5	25.9	30.4	29.9	34.5	38.3	33.0	37.0	40.0	44.1	44.2	44.4	43.4	42.0	41.9	42.5	36.8
21 D	45.8	29.8	32.0	29.9	30.7	33.9	45.0	35.9	32.9	40.4	44.2	35.0	34.0	30.4	30.5	36.1	40.4	42.5	43.0	42.6	44.5	41.4	39.6	40.7	37.6
22	40.1	30.0	32.9	36.9	36.0	34.6	34.8	36.1	35.9	36.5	36.0	35.0	36.2	35.5	32.9	33.1	40.3	43.4	46.2	47.8	44.5	42.2	41.5	39.2	37.8
23 D	38.4	37.9	37.9	35.5	40.4	40.2	28.9	39.9	36.6	32.5	33.9	41.9	32.9	31.2	29.5	33.4	38.9	46.5	47.4	44.9	44.8	43.8	40.9	40.5	38.3
24 D	38.7	35.9	34.7	33.9	33.0	34.5	38.4	30.5	31.9	34.9	35.6	32.0	28.9	32.7	41.7	37.7	38.7	43.0	46.5	48.2	47.5	45.5	42.4	40.2	37.8
25 D	32.7	38.2	33.9	36.6	37.6	37.5	36.3	39.0	39.0	37.9	36.8	36.3	34.7	33.0	33.6	33.2	36.0	40.4	42.9	44.0	44.9	43.6	37.4	41.9	37.8
26	44.0	38.4	34.5	33.6	34.5	30.3	31.9	37.3	37.0	35.7	35.1	33.8	29.9	28.1	28.7	31.7	36.4	41.5	44.3	45.5	45.5	44.4	43.5	41.9	37.0
27	39.1	39.7	34.5	36.6	38.4	36.7	38.3	33.9	33.8	34.4	33.7	34.5	32.4	27.8	30.9	35.7	38.5	44.5	47.0	43.9	41.6	44.2	44.7	41.8	37.8
28	41.0	30.1	33.8	34.9	33.9	34.2	36.7	37.0	36.8	36.9	36.5	35.5	33.5	31.6	33.6	37.8	42.4	44.8	45.7	46.0	45.0	43.0	41.2	40.4	38.0
29	39.0	37.8	36.9	31.4	37.4	35.9	30.8	35.5	33.0	34.9	32.0	30.9	30.7	31.9	33.5	36.9	40.8	43.8	45.9	45.8	43.5	41.1	39.8	38.9	37.0
30	40.3	40.0	38.4	36.0	38.7	34.7	34.9	38.4	33.1	35.3	34.9	33.0	31.0	29.3	31.1	35.0	38.9	43.0	45.9	46.4	44.7	42.6	40.7	38.5	37.7
31	39.1	40.0	37.4	38.0	37.2	35.1	34.4	34.8	34.4	29.5	30.8	33.0	30.2	29.2	32.5	37.1	41.2	43.5	45.9	45.0	44.0	41.6	40.0	38.9	37.2
Mean	38.5	37.2	36.3	35.6	36.3	36.0	36.0	36.3	35.7	35.1	35.0	34.5	33.2	32.0	32.3	35.5	39.7	43.0	44.5	44.2	43.1	41.2	39.9	39.0	37.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 11. Agincourt. (Z.) 56,000 γ + March, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	686	684	682	680	680	680	680	676	671	668	672	677	679	680	672	670	672	672	676	679	680	676	676	678	677
2	678	678	679	677	679	679	676	678	678	676	676	676	677	678	683	680	676	678	680	684	684	682	684	684	679
3 Q	682	680	679	677	678	677	678	678	678	679	678	678	679	678	676	670	672	675	674	676	680	676	676	676	677
4 Q	678	676	676	676	676	678	679	679	677	676	676	676	680	680	676	676	672	676	674	674	674	676	676	677	676
5	677	680	677	676	679	680	680	680	678	679	680	680	680	680	677	676	676	676	672	676	680	680	679	678	678
6	679	678	677	677	676	676	676	676	676	675	672	672	676	676	670	668	668	669	672	676	680	684	684	686	676
7 Q	680	679	679	678	676	675	670	676	676	676	676	678	680	680	676	672	668	668	671	678	676	678	676	676	676
8	675	573	672	672	675	668	670	674	672	672	671	664	662	664	661	663	668	667	668	669	672	681	681	679	671
9	677	677	678	678	677	672	671	672	673	675	672	672	672	670	667	665	665	671	677	681	682	689	679	681	675
10	681	681	679	679	681	677	662	669	676	673	669	673	670	675	673	668	670	677	681	677	678	680	678	678	675
11 Q	677	677	677	677	677	677	677	677	677	676	676	677	679	679	680	677	677	681	684	685	685	685	681	679	679
12 Q	679	677	678	679	680	680	681	683	681	679	681	680	681	684	675	677	677	680	685	687	690	688	687	686	681
13	687	685	685	685	686	686	684	683	680	679	681	685	688	688	679	669	667	669	672	673	681	685	685	685	681
14	685	682	681	682	682	281	681	681	673	669	673	678	681	683	682	676	673	677	681	680	680	681	687	689	680
15	692	697	694	680	681	687	687	664	657	677	685	685	685	685	681	673	673	677	691	689	687	688	693	695	684
16	693	689	688	685	683	681	681	685	689	687	685	688	689	688	685	681	679	677	685	689	691	695	693	693	686
17	689	689	693	695	693	694	693	691	691	689	689	691	693	693	689	681	683	689	693	695	701	702	702	701	693
18	699	701	697	693	693	691	689	685	676	683	685	691	685	688	681	680	685	688	693	697	704	710	709	705	692
19	693	702	697	688	689	693	691	689	683	687	689	691	689	689	685	685	685	689	689	693	698	697	693	696	691
20 D	697	701	697	655	673	679	641	669	661	648	677	687	678	665	665	669	673	678	682	680	681	695	705	727	678
21 D	790	783	689	721	703	685	638	609	661	633	579	606	644	662	672	677	677	681	685	709	717	733	723	725	685
22	741	751	716	709	693	689	693	694	693	693	693	693	688	689	685	681	681	677	689	694	709	703	697	693	697
23 D	694	694	698	707	642	598	642	655	641	670	678	672	686	686	686	686	690	698	710	734	714	698	698	702	682
24 D	706	714	706	710	696	646	577	630	666	658	664	679	685	682	686	677	680	684	694	706	738	750	754	758	690
25 D	758	734	670	710	702	698	694	686	679	678	690	690	694	688	698	696	694	692	698	706	710	705	746	758	704
26	782	738	679	714	706	687	682	686	686	694	697	702	702	696	694	694	694	694	695	703	710	714	716	709	703
27	710	718	717	710	709	701	690	670	673	666	670	673	684	690	695	694	686	686	692	710	726	726	726	729	698
28	742	713	712	706	710	710	710	710	706	703	705	705	705	704	701	694	693	690	694	700	698	700	701	702	705
29	700	698	702	706	706	702	698	694	692	681	690	694	692	690	690	690	690	689	692	696	702	702	704	702	696
30	703	706	710	706	703	705	704	690	694	702	702	702	702	702	702	702	698	694	695	698	698	698	699	702	701
31	702	702	701	702	701	702	702	698	676	690	694	696	696	696	696	696	695	695	698	698	700	698	697	694	697
Mean	701	698	689	690	686	681	676	677	677	677	678	681	683	683	682	680	679	681	685	690	693	696	696	697	686

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 12. Agincourt. March, 1936.

Day	Horizontal Force							Declination							Vertical Force							Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	7° Maximum West +			7° Minimum West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	23	50	382	16	3	336	46	18	50	43.7	13	36	32.1	11.6	0	1	688	9	3	664	24	179	1
2	10	0	387	16	10	349	38	18	43	43.0	14	0	32.9	10.1	23	0	686	6	30	674	12	107	0
3 Q	22	52	394	16	0	350	44	18	20	43.4	13	26	32.6	10.8	0	1	684	15	0	667	17	142	0
4 Q	23	23	397	15	25	347	50	18	0	45.7	12	27	31.6	14.1	12	27	682	20	17	672	10	117	0
5	22	41	392	16	7	334	58	18	7	45.3	14	30	28.6	16.7	2	4	687	18	7	672	15	150	0
6	10	13	393	16	20	326	67	18	43	44.7	13	52	29.0	15.7	22	4	688	15	38	664	24	211	1
7 Q	23	9	394	16	33	343	51	18	37	44.7	12	32	32.8	11.9	0	1	684	17	0	667	17	158	0
8	11	44	395	15	20	321	74	16	30	45.4	14	38	24.5	20.9	22	30	682	14	38	655	27	235	1
9	21	17	399	19	13	325	74	19	40	43.5	14	24	31.0	12.5	21	18	694	15	48	661	33	261	1
10	23	0	387	16	0	325	62	18	16	45.5	14	30	29.8	15.7	21	0	685	6	47	657	28	219	1
11 Q	23	48	393	16	42	329	64	19	0	45.7	14	40	29.2	16.5	20	50	689	16	0	675	14	159	0
12 Q	0	47	393	15	48	356	37	18	26	44.5	13	7	31.0	13.5	21	40	693	1	9	677	16	125	0
13	8	50	390	16	50	351	39	18	17	43.0	13	24	27.7	15.3	12	30	691	16	30	666	25	168	0
14	22	53	391	17	4	333	58	18	22	44.5	15	5	31.2	13.3	23	20	693	9	20	669	24	197	0
15	3	56	387	16	7	349	38	7	34	44.0	3	32	27.7	16.3	2	0	701	8	6	641	60	325	1
16	23	30	397	15	42	345	52	18	20	45.2	5	16	31.1	14.1	21	10	699	4	48	677	22	176	1
17	22	28	400	15	26	331	69	17	0	46.2	23	33	30.4	15.8	21	0	709	16	20	679	30	236	1
18	21	23	390	15	40	334	56	18	42	47.4	23	46	24.2	23.2	23	40	713	8	30	673	40	262	1
19	20	23	390	14	43	335	55	20	0	45.4	13	6	30.4	15.0	1	38	704	8	11	680	24	193	1
20 D	2	57	410	6	17	301	109	6	23	46.7	3	26	19.0	27.7	23	59	745	6	48	632	113	667	1
21 D	2	4	395	6	35	290	105	6	23	50.4	1	48	9.9	40.5	1	28	843	10	40	565	278	1387	2
22	23	30	384	1	47	314	70	19	18	48.7	1	47	13.9	34.8	1	34	793	15	30	677	116	616	1
23 D	4	36	395	5	14	245	150	5	13	60.0	6	0	22.4	37.6	19	30	741	5	8	546	195	1087	1
24 D	21	14	418	6	33	292	126	21	50	50.4	4	0	26.7	23.7	23	8	788	6	32	555	233	1220	1
25 D	22	0	419	2	47	298	121	23	57	49.4	2	14	18.0	31.4	0	10	810	2	34	620	190	1021	1
26	21	50	387	2	0	294	93	1	54	53.6	1	36	15.7	37.9	1	33	828	1	53	571	257	1276	1
27	20	17	391	16	24	307	84	18	12	48.2	13	24	26.4	21.8	23	10	734	6	44	655	79	481	1
28	21	30	388	15	42	328	60	19	23	46.6	1	0	15.5	31.1	1	0	786	17	0	690	96	517	1
29	21	40	388	17	17	328	60	19	0	45.9	3	8	25.2	20.7	5	0	710	9	40	670	40	268	1
30	23	24	395	16	18	314	81	19	0	46.4	13	28	29.2	17.2	2	20	710	8	0	686	24	231	1
31	23	18	398	16	42	327	71	18	14	46.2	8	55	25.4	20.8	0	53	706	8	36	672	34	256	1
Mean			394			324	70			46.6			26.3	20.3			721			653	68	408	0.74
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 13. Agincourt. (H.) 15,000 γ + April, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	390	388	387	385	385	385	387	388	387	390	392	390	387	375	353	332	333	346	349	345	357	368	373	366	373
2	379	375	363	368	370	370	374	376	380	380	379	377	376	365	356	346	348	353	359	375	399	396	372	383	372
3	387	384	387	390	390	388	390	386	391	391	391	388	382	363	350	338	341	346	370	380	379	360	370	356	375
4	336	354	363	359	359	342	326	355	373	375	377	375	365	347	336	325	332	351	362	368	371	373	374	376	358
5 Q	377	378	376	375	373	375	375	375	376	377	377	377	373	361	350	340	347	358	363	368	377	376	383	383	372
6 Q	382	383	383	388	386	387	387	386	385	380	377	380	378	364	353	342	346	354	362	370	380	388	389	390	377
7	389	388	389	385	385	383	386	385	388	385	373	367	365	359	360	361	354	352	352	360	373	381	387	386	376
8	384	386	387	393	391	390	374	355	359	373	378	379	379	390	358	326	316	328	345	371	384	396	390	379	371
9	379	379	378	378	379	379	383	384	385	386	385	385	379	369	357	345	350	360	372	381	384	385	385	381	376
10 Q	381	381	379	381	381	386	384	381	383	381	381	381	379	371	361	350	352	366	377	386	387	385	385	384	378
11	381	375	376	375	378	378	384	383	376	379	381	381	381	376	364	353	357	366	374	388	388	397	393	391	378
12	372	375	378	376	373	378	385	384	384	383	371	376	394	384	362	340	353	347	343	360	397	399	397	391	375
13	377	362	368	369	366	385	381	380	375	382	381	374	373	360	352	345	326	341	352	364	377	374	375	369	367
14	371	376	376	377	375	380	380	381	381	386	371	376	372	360	346	332	325	335	357	376	393	362	364	377	368
15	378	374	374	376	376	374	369	357	335	293	343	355	354	335	319	304	282	312	352	377	387	386	396	391	354
16	374	355	359	360	364	364	363	362	364	364	363	362	357	349	337	328	332	345	360	369	374	381	384	386	361
17	386	372	369	377	374	374	375	371	370	367	369	362	362	342	332	323	326	353	384	391	403	405	398	380	369
18 D	355	355	333	374	323	357	279	293	351	359	365	367	364	340	322	304	319	335	369	410	408	366	380	362	345
19 D	357	345	340	332	350	327	364	369	357	324	326	347	333	319	320	321	301	327	364	371	414	384	405	432	351
20 D	375	364	346	332	340	350	348	343	342	347	349	342	326	317	328	340	337	326	342	391	430	464	431	397	359
21 D	361	339	339	345	350	353	347	330	289	326	350	317	309	327	337	347	333	330	354	373	415	462	559	504	362
22 D	518	403	362	312	333	325	275	264	236	277	315	323	310	313	314	315	322	325	364	377	396	414	410	394	342
23	362	355	362	360	355	326	362	322	325	330	349	347	347	321	310	299	313	320	350	360	374	380	382	373	345
24	372	362	365	370	370	362	364	347	338	342	350	362	357	342	333	325	329	338	355	364	376	384	384	376	357
25	372	365	371	363	369	371	369	364	366	362	360	350	357	362	358	353	352	348	357	371	378	389	388	381	367
26 Q	378	375	369	372	379	377	376	375	373	368	368	375	371	361	348	354	357	364	368	367	373	375	377	383	370
27	380	379	379	378	375	375	377	377	377	376	376	377	373	365	364	375	378	378	379	387	387	383	387	385	378
28	385	385	382	388	365	355	368	375	363	379	382	379	370	358	348	355	364	375	391	392	414	396	373	373	376
29 Q	378	378	377	375	368	377	379	382	384	384	379	374	368	354	353	348	355	366	375	383	382	382	381	379	373
30	380	382	381	381	387	382	376	363	361	377	378	377	368	348	335	347	356	370	384	390	394	394	398	395	375
31																									
Mean	380	372	370	368	369	367	366	363	362	364	368	367	364	353	344	337	338	347	363	376	388	390	392	387	366

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14. Agincourt. (D.) West 7° . . . ' April, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	37.9	37.8	37.9	37.8	37.4	36.6	35.9	34.0	34.8	34.0	34.9	33.4	31.8	32.3	32.6	38.8	44.7	47.8	46.6	46.8	43.8	40.8	37.8	37.7	38.1
2	37.7	36.8	36.6	37.7	38.1	38.1	36.6	36.5	36.5	35.1	35.5	33.9	32.9	32.8	34.5	38.1	41.8	43.1	44.7	45.7	44.7	43.0	42.9	39.7	38.5
3	38.6	38.4	38.7	38.7	37.6	36.4	35.7	34.8	33.8	34.7	34.1	33.8	30.9	30.7	32.8	38.1	42.3	45.4	45.4	45.8	46.9	42.7	42.8	38.1	38.2
4	34.4	36.0	36.8	37.7	35.8	34.8	40.3	41.5	34.7	33.4	34.7	33.1	32.8	32.7	34.1	37.9	41.8	45.4	46.3	45.4	44.4	41.7	39.9	39.3	38.1
5 Q	39.2	39.3	38.8	38.7	38.2	38.3	37.7	36.9	35.7	35.8	35.4	34.7	33.4	34.9	38.8	42.3	44.5	47.4	48.5	46.7	43.3	40.4	38.0	37.6	39.4
6 Q	38.1	38.3	38.1	37.9	37.8	36.8	36.4	34.8	32.9	33.4	32.9	30.4	26.8	27.9	31.6	36.6	41.8	43.9	46.1	45.5	43.8	40.7	38.4	37.8	37.0
7	38.6	37.9	37.8	37.7	36.6	36.6	36.8	35.5	35.3	35.5	34.4	34.0	34.7	34.1	38.1	40.8	41.8	44.5	46.0	45.5	43.8	41.2	38.9	37.9	38.5
8	38.3	38.3	37.8	37.5	36.3	29.1	29.1	38.1	40.8	29.6	31.6	30.4	33.4	33.4	32.9	36.9	42.6	47.4	48.4	45.1	42.9	38.8	36.1	36.4	37.5
9	36.9	37.8	37.7	37.5	37.5	36.6	35.9	35.6	35.7	35.3	34.2	31.7	31.4	30.4	32.9	37.5	41.7	43.8	43.6	43.1	42.8	39.7	38.5	37.8	37.3
10 Q	38.6	38.6	38.1	37.8	37.6	36.8	36.1	35.7	35.5	34.5	34.7	32.8	30.8	30.3	31.6	37.1	40.6	43.4	43.9	42.9	41.5	40.5	39.6	38.4	37.4
11	37.8	37.8	36.6	37.2	36.9	37.8	40.9	36.9	35.1	31.8	32.7	33.1	31.9	32.8	32.8	37.3	39.1	42.6	43.4	44.1	43.5	41.4	39.5	37.4	37.5
12	39.6	38.4	37.6	32.4	34.8	36.6	37.9	35.4	34.6	34.8	38.1	41.6	34.8	29.5	30.4	36.4	37.9	40.8	46.9	47.8	45.8	45.0	40.7	37.6	38.1
13	39.6	35.8	37.0	35.0	34.4	32.7	33.6	33.9	35.5	36.4	33.8	30.8	30.4	29.8	31.7	32.4	38.3	42.9	43.3	44.8	44.8	41.9	40.5	39.7	36.6
14	39.1	38.1	38.1	35.8	35.6	35.4	35.8	35.5	36.8	35.1	36.9	33.8	31.8	30.1	32.3	34.9	38.3	41.5	44.5	43.9	45.1	45.9	44.8	42.1	38.0
15	40.4	38.3	37.7	37.3	35.8	32.3	32.1	33.9	34.6	35.4	26.8	30.9	30.7	29.7	34.5	34.3	43.8	47.9	46.5	45.4	42.7	40.6	40.7	41.0	37.2
16	39.6	35.9	33.6	35.6	36.9	36.4	36.7	35.9	36.8	35.9	34.6	33.9	33.5	32.9	34.8	36.8	39.9	42.8	43.5	42.6	42.1	40.9	41.5	40.5	37.7
17	35.4	38.5	37.0	37.8	37.4	37.6	37.4	39.1	35.4	34.4	34.8	32.4	31.2	33.9	36.2	39.8	45.9	48.9	47.4	46.8	46.8	45.3	46.4	40.3	39.4
18 D	29.9	38.5	35.3	30.9	32.6	87.4	38.4	32.1	31.9	35.9	34.5	32.4	30.7	29.1	33.9	38.1	42.7	45.1	45.3	42.4	39.9	43.8	42.4	37.1	38.8
19 D	35.8	34.7	30.5	31.6	34.7	39.8	39.1	36.1	33.3	43.4	43.4	33.1	29.4	33.9	32.9	39.6	41.6	48.6	47.4	47.6	46.7	45.9	45.4	33.7	38.7
20 D	35.6	32.9	33.4	29.8	33.8	38.8	40.4	37.6	34.8	35.3	33.8	31.5	33.7	42.1	39.7	37.9	38.1	43.8	45.8	44.0	44.8	39.7	37.6	35.5	37.5
21 D	36.8	30.8	31.7	39.4	33.4	34.5	35.7	34.7	31.4	33.5	32.7	29.4	42.9	43.8	39.1	37.3	34.9	40.3	42.9	44.9	42.4	41.6	32.4	29.1	36.5
22 D	36.9	40.8	35.0	30.9	37.8	37.1	43.4	46.1	44.1	33.9	34.9	38.4	36.9	33.8	33.5	33.1	37.9	40.6	40.5	42.8	38.4	37.3	34.5	29.1	37.4
23	35.4	34.6	36.9	35.9	39.7	42.9	35.9	33.8	33.1	34.2	36.1	30.8	28.3	27.7	33.9	40.4	38.6	43.4	40.8	41.5	41.6	37.3	39.4	36.5	36.6
24	35.4	36.5	36.5	37.1	37.9	42.6	37.7	30.4	32.9	34.6	34.3	31.2	33.5	30.8	34.1	37.4	41.7	44.4	44.3	43.8	43.4	41.7	40.6	34.6	37.4
25	30.8	36.9	36.4	37.3	39.4	37.9	37.5	36.8	36.7	35.5	34.8	36.5	38.9	35.8	34.9	36.0	37.3	40.4	42.6	44.6	44.8	41.8	40.4	39.0	38.5
26 Q	38.4	38.1	38.3	37.8	39.4	40.4	37.4	35.8	36.7	37.9	39.7	35.1	32.8	32.1	32.3	35.1	38.4	41.3	43.3	44.6	43.8	42.3	41.0	39.2	38.4
27	38.1	37.9	38.0	37.5	37.2	37.3	35.9	35.8	35.8	35.9	33.9	31.7	29.8	31.1	34.7	37.4	38.9	41.8	43.3	42.9	42.4	40.8	39.0	38.8	37.7
28	38.9	37.9	37.7	36.9	31.9	30.0	32.7	28.9	34.7	33.8	32.8	32.3	32.1	33.8	35.4	38.5	40.9	43.6	43.9	41.8	39.9	38.9	37.8	37.6	36.4
29 Q	37.8	37.6	36.6	35.4	33.9	36.7	37.4	37.5	37.6	37.3	36.1	33.8	31.7	33.3	35.9	39.9	43.2	44.7	44.5	43.4	40.9	39.8	38.6	37.8	38.0
30	37.8	37.7	37.9	37.8	35.8	32.8	32.3	33.7	39.1	36.8	32.4	30.3	29.9	32.4	36.5	40.4	42.9	45.8	45.8	44.3	41.2	38.9	36.4	34.4	37.2
31																									
Mean	37.3	37.2	36.7	36.9	36.4	38.3	36.6	35.8	35.5	35.1	34.7	33.0	32.5	32.6	34.3	37.6	40.8	44.1	44.9	44.5	43.3	41.7	39.7	37.4	37.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 15. Agincourt. (Z.) 56,000 γ + April, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	693	693	690	693	693	691	690	688	688	687	689	690	689	687	687	690	690	699	708	709	705	708	705	704	695
2	698	699	705	699	698	696	692	689	689	687	689	690	689	689	685	685	687	686	686	685	693	707	708	696	693
3	696	691	689	688	688	688	689	688	688	688	682	682	682	679	674	674	679	685	692	709	736	739	728	724	694
4	719	706	699	698	679	681	656	632	661	679	683	685	683	680	681	679	676	678	679	682	685	688	687	685	682
5 Q	686	686	682	682	682	687	682	685	684	684	682	683	682	680	679	682	691	692	690	691	694	692	688	687	686
6 Q	687	687	683	683	683	682	683	681	675	672	675	681	681	680	675	675	677	683	684	683	686	686	681	682	681
7	680	681	680	681	680	684	680	683	680	679	680	681	675	675	675	670	671	675	683	684	689	692	688	686	681
8	683	683	683	683	680	661	661	633	594	639	657	654	653	646	650	660	662	669	673	679	680	682	680	679	664
9	678	677	675	675	675	675	675	675	675	675	679	680	680	675	671	669	669	666	667	666	667	683	681	680	675
10 Q	676	680	676	679	677	676	673	673	676	676	678	680	681	682	676	678	676	677	676	681	681	681	681	681	678
11	681	681	683	680	681	680	659	658	654	636	642	650	662	669	667	660	653	659	667	674	673	677	680	684	667
12	689	690	684	681	680	679	671	672	676	678	675	655	654	665	668	673	676	679	688	682	693	698	716	721	681
13	722	730	708	703	677	677	665	674	676	673	673	682	681	677	677	677	677	681	690	699	708	723	712	700	688
14	694	691	691	686	685	682	684	682	680	667	672	677	683	685	682	682	679	685	691	702	726	717	703	693	688
15	690	685	686	685	688	677	672	628	557	567	620	632	645	667	677	673	677	697	703	713	721	727	720	735	673
16	758	772	753	732	718	705	698	701	700	700	698	698	697	694	691	686	683	679	678	686	686	692	693	691	703
17	695	687	695	692	691	690	691	674	680	683	683	682	686	685	683	679	677	683	687	692	703	727	746	764	694
18 D	731	746	722	702	682	387	520	558	659	692	701	703	700	694	687	691	704	710	736	814	790	728	732	749	689
19 D	740	737	728	711	705	607	632	661	672	660	625	644	671	672	677	683	679	699	704	706	715	746	760	800	693
20 D	776	784	771	735	699	702	654	650	663	702	705	699	676	658	675	686	683	702	740	797	791	813	793	782	720
21 D	764	717	701	677	670	684	687	624	580	627	675	669	638	648	657	671	679	695	716	745	791	855	905	877	706
22 D	905	789	838	613	651	697	569	578	547	585	630	658	662	664	689	712	702	702	730	738	756	742	755	754	695
23	730	741	702	696	632	544	636	611	622	645	679	680	688	693	700	703	720	733	736	724	729	748	733	724	689
24	712	710	706	700	676	639	623	653	651	663	671	681	682	682	693	689	694	694	698	703	703	703	705	712	685
25	715	702	688	700	693	680	688	686	688	694	696	685	678	678	684	678	675	679	688	694	698	706	704	696	690
26 Q	695	697	697	695	681	678	676	678	681	683	686	686	689	688	689	686	681	680	681	682	689	690	692	692	686
27	693	689	689	689	690	689	689	688	687	686	682	685	686	686	681	675	668	669	677	684	685	686	686	687	685
28	686	686	685	686	678	683	681	675	673	677	686	686	686	686	676	677	684	686	689	689	707	717	711	701	687
29 Q	696	694	691	691	686	690	690	690	690	690	694	690	690	689	685	682	681	688	690	698	700	699	699	696	691
30	696	694	693	691	687	673	660	675	674	671	682	686	685	682	677	674	671	677	682	688	693	690	695	700	683
31																									
Mean	711	706	702	690	683	664	664	661	660	668	675	677	677	677	678	679	680	685	693	702	709	714	715	715	687

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 16. Agincourt — April, 1936.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	10	50	397	16	47	319	78	17	0	52.4	12	35	28.1	24.3	18	50	720	7	0	686	34	234	1
2	21	18	436	15	40	344	92	19	28	45.8	12	50	31.6	14.2	21	17	713	19	48	685	28	239	1
3	8	27	400	15	26	320	80	17	40	48.3	13	30	28.1	20.2	20	48	755	15	42	669	86	413	1
4	10	52	381	6	50	311	70	18	0	46.6	13	35	31.8	14.8	0	8	723	7	24	621	102	455	1
5 Q	22	26	386	15	18	340	46	18	13	48.8	12	32	33.1	15.7	20	0	696	15	0	678	18	135	0
6 Q	23	4	395	15	30	342	53	18	50	46.2	12	28	26.4	19.8	19	0	688	8	40	671	17	139	0
7	0	40	393	14	0	346	47	18	10	46.6	12	30	32.8	13.8	21	0	692	15	50	664	28	169	0
8	5	20	403	16	50	289	114	8	0	55.6	7	3	24.4	31.2	0	10	686	8	7	555	131	626	1
9	20	40	396	15	24	337	59	17	50	45.6	13	0	29.1	16.5	21	0	684	17	0	667	17	152	0
10 Q	20	10	394	15	0	344	50	18	37	43.9	12	34	28.5	15.4	19	0	683	6	30	671	12	117	0
11	20	0	407	15	17	348	59	6	25	44.4	9	30	29.4	15.0	23	30	687	9	20	636	51	260	1
12	21	10	422	15	10	332	90	18	55	48.8	13	52	26.8	22.0	22	56	742	12	0	650	92	458	1
13	21	30	397	16	20	316	81	20	40	45.7	4	45	24.9	20.8	1	16	734	4	50	636	98	461	1
14	20	26	400	16	17	321	79	21	33	46.5	13	0	29.5	17.0	21	0	739	9	10	664	75	379	1
15	20	50	402	9	40	265	137	17	0	50.9	9	50	22.8	28.1	23	50	749	9	0	516	233	1002	1
16	0	6	397	15	30	326	71	18	0	43.9	2	13	31.5	12.4	1	38	789	17	0	678	111	485	1
17	22	0	421	15	20	316	105	17	17	50.0	23	50	26.9	23.1	23	47	779	7	27	671	108	532	1
18 D	20	0	446	6	0	210	236	5	40	114.8	5	0	0.6	114.2	19	57	852	5	30	256	596	2400	2
19 D	20	46	466	16	56	291	175	9	50	53.1	23	41	16.8	36.3	23	30	918	5	30	558	360	1500	1
20 D	21	30	538	2	57	303	235	19	0	48.1	3	38	23.1	25.0	21	30	884	6	49	632	252	1221	2
21 D	22	20	681	8	43	246	435	22	20	48.1	22	33	6.8	41.3	22	22	1102	8	37	550	552	2554	2
22 D	1	0	781	8	22	201	580	1	0	67.8	3	7	-0.4	68.2	0	54	1034	1	0	350	684	3061	2
23	21	42	398	5	30	264	134	5	0	51.6	13	0	24.1	27.5	21	24	755	5	24	494	261	1099	1
24	21	6	396	15	40	317	79	5	52	45.4	23	58	24.9	20.5	0	10	718	6	10	608	110	498	1
25	21	44	398	11	43	346	52	20	0	45.5	0	2	26.1	19.4	0	10	720	16	40	672	48	245	1
26 Q	4	20	384	14	38	346	38	20	0	44.9	14	40	29.7	15.2	0	10	697	6	0	676	21	128	1
27	20	25	406	14	20	359	47	18	20	43.4	12	10	29.9	13.5	23	10	694	16	30	667	27	163	0
28	20	23	423	14	20	341	82	17	40	45.8	4	40	27.3	18.5	21	53	722	9	0	664	58	327	1
29 Q	10	0	387	15	18	346	41	18	20	44.9	12	20	30.3	14.6	21	0	702	16	0	681	21	139	1
30	22	30	405	14	30	326	79	17	50	46.6	12	20	28.7	17.9	23	50	704	6	27	660	44	270	1
31																							
Mean			431			314	117			50.3			25.1	25.2			758			616	142	662	0.90
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 17. Agincourt. (H.) 15,000 γ + May, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	363	363	358	359	372	370	370	374	372	378	383	372	369	361	341	333	334	343	362	374	377	384	384	384	366
2	383	382	373	370	377	377	379	377	378	383	383	379	367	348	339	334	338	341	359	373	382	383	385	387	370
3	384	387	385	382	385	389	389	389	387	392	390	389	382	365	348	339	348	364	377	384	389	393	401	405	381
4	406	404	403	393	392	385	387	389	392	392	395	392	379	349	314	369	377	391	367	375	414	417	389	375	385
5	370	377	375	377	373	377	378	375	379	376	373	365	358	344	337	341	362	371	387	400	393	393	393	395	374
6	388	388	385	388	386	386	387	388	386	391	390	391	383	366	352	345	348	366	381	391	391	391	386	382	380
7 Q	385	383	385	386	386	388	388	388	393	391	390	391	389	379	365	359	355	364	375	381	388	391	386	383	382
8 Q	383	385	385	384	386	389	389	388	383	381	385	381	377	362	354	356	370	384	390	390	388	384	385	385	381
9 Q	383	386	385	381	383	384	385	388	388	390	390	388	386	376	366	366	380	398	405	409	408	399	388	388	388
10	388	386	388	386	386	385	385	387	397	395	398	390	395	403	380	366	351	367	399	423	347	395	415	409	388
11 D	400	394	388	381	384	395	396	397	382	375	389	397	394	382	367	384	393	394	397	396	399	401	401	394	391
12 D	386	386	384	379	372	363	343	356	372	376	377	357	346	342	346	358	365	374	423	414	404	460	430	375	379
13	370	366	362	366	365	366	366	365	365	369	362	365	365	357	350	348	351	367	382	392	408	397	399	379	370
14	372	374	376	379	372	376	379	369	369	372	369	366	367	335	312	297	317	340	360	380	399	400	389	374	365
15	383	380	365	365	358	363	368	367	363	362	369	362	360	353	339	338	349	361	377	406	412	411	389	385	370
16	363	374	366	360	362	329	355	363	362	351	350	355	329	321	324	328	333	336	360	384	381	400	425	405	360
17	384	370	380	372	365	370	348	367	351	365	361	358	352	340	340	351	365	374	382	390	399	387	405	385	369
18 D	402	372	363	382	374	369	362	334	321	359	365	368	350	339	317	309	338	350	360	381	398	396	411	428	365
19 D	383	373	363	361	356	345	311	376	346	351	336	331	338	331	311	288	316	339	370	387	413	440	406	373	356
20	369	372	380	381	379	372	351	362	360	363	379	372	358	328	300	287	319	335	360	365	382	399	392	377	360
21	373	379	384	380	374	373	361	367	373	372	370	367	361	346	332	331	334	348	376	386	377	401	391	386	368
22	387	390	382	379	379	381	378	380	377	376	369	366	360	345	326	342	358	365	380	395	406	406	389	381	375
23 Q	381	381	377	381	380	377	377	377	378	380	377	372	368	365	355	350	349	353	365	376	389	397	396	386	374
24 Q	384	381	381	376	372	371	372	372	375	377	379	381	380	374	362	355	358	360	367	377	377	378	383	388	374
25	390	388	388	387	387	385	385	384	383	385	391	391	387	376	367	363	366	375	378	388	371	378	395	395	382
26	387	382	387	388	387	385	387	390	386	378	377	377	373	383	368	341	327	334	359	382	373	392	382	382	375
27	379	381	383	386	387	378	383	378	382	372	378	381	370	358	353	363	371	387	397	406	419	417	389	381	382
28	385	378	376	381	382	378	374	381	382	382	385	380	364	351	349	351	361	363	363	382	392	390	392	390	376
29 D	387	385	386	382	385	385	387	387	390	381	381	371	329	349	362	369	366	356	364	378	405	422	401	366	378
30	373	373	374	368	361	368	372	360	365	370	377	376	371	355	347	341	342	364	377	395	405	410	411	430	374
31	422	379	367	374	379	366	369	370	375	379	380	375	369	358	339	336	342	352	368	384	383	385	381	382	371
Mean	384	381	379	378	377	375	373	376	375	377	378	375	367	356	344	344	351	362	377	389	393	400	396	388	375

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18. Agincourt. (D.) West. 7° . . . ′ May, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	32.4	36.5	34.9	35.9	36.9	43.5	38.0	35.6	35.7	34.7	32.9	33.0	32.0	33.7	34.7	39.2	44.5	47.5	47.5	45.0	41.7	38.3	36.9	36.4	37.8
2	37.7	35.9	35.9	37.2	36.8	36.6	35.5	33.5	34.5	34.5	32.2	30.9	31.8	32.9	36.4	39.6	43.4	44.1	44.5	43.5	41.7	39.4	38.0	37.9	37.3
3	38.0	37.7	37.7	36.3	36.0	36.0	35.6	35.5	34.4	33.7	31.3	30.0	28.6	29.0	32.0	36.3	41.1	44.5	45.3	44.5	43.3	41.4	40.0	39.2	37.0
4	39.5	38.4	37.9	36.8	36.0	33.1	33.9	33.0	33.5	33.1	31.8	28.6	29.8	28.7	36.0	43.5	42.4	40.9	43.0	45.4	39.0	38.2	37.8	35.6	36.5
5	38.0	38.0	37.9	38.5	37.3	36.8	37.0	37.1	34.7	33.5	32.8	31.9	32.6	32.8	35.0	39.7	43.0	44.9	46.0	43.4	40.0	37.4	35.5	35.5	37.5
6	36.4	37.3	37.8	37.4	36.5	36.6	36.2	36.5	36.2	35.9	33.3	31.0	29.4	29.9	32.8	36.9	40.8	43.2	45.5	44.0	42.1	39.5	37.9	37.0	37.1
7 Q	37.8	37.9	37.8	37.8	37.0	37.0	36.5	36.0	36.4	36.0	32.5	29.0	27.9	30.8	32.5	36.7	40.4	43.5	44.5	43.8	41.2	39.2	37.7	37.8	37.0
8 Q	38.0	37.9	37.5	37.4	37.0	36.1	35.9	36.0	35.9	37.9	34.8	31.1	29.4	29.9	31.7	36.5	40.7	44.9	45.2	44.0	43.0	40.7	39.0	37.9	37.4
9 Q	37.5	37.4	36.9	37.4	36.4	36.4	36.3	36.0	35.6	35.0	33.0	31.9	30.9	31.8	34.8	37.6	40.8	43.2	44.8	43.8	42.3	40.9	39.8	38.2	37.4
10	37.7	37.6	37.1	36.9	36.8	36.0	35.7	35.6	35.6	35.0	33.8	33.1	33.5	27.8	28.9	32.2	35.8	38.9	40.9	45.5	47.4	44.0	43.4	42.0	37.0
11 D	41.4	39.4	31.4	34.3	35.0	33.4	32.9	31.3	31.4	32.0	27.0	24.1	23.1	24.2	26.0	35.1	34.7	38.4	40.9	41.7	40.9	41.7	41.9	40.0	34.3
12 D	38.4	37.5	37.5	37.6	33.9	24.4	23.8	33.9	32.3	32.6	31.0	29.5	30.0	31.6	33.9	37.9	39.4	43.4	39.9	43.0	44.0	38.9	38.2	38.2	35.4
13	32.4	35.8	36.5	33.7	38.6	39.1	39.4	40.4	39.9	36.4	34.4	33.5	30.9	30.7	32.1	33.7	37.0	41.0	43.4	42.6	41.7	39.0	36.0	37.9	36.9
14	39.8	39.5	38.4	37.4	35.9	37.1	37.1	37.4	42.4	41.3	37.0	32.4	29.8	29.0	31.0	38.6	45.4	47.0	45.9	45.5	42.4	39.0	37.4	36.4	38.5
15	35.9	32.4	34.4	35.1	35.9	35.8	36.4	35.6	41.7	39.6	32.0	28.6	26.9	26.4	28.0	32.4	38.4	41.7	45.8	43.9	41.4	40.9	42.6	41.5	36.4
16	40.4	35.6	32.5	36.2	33.9	37.5	29.8	30.2	30.8	33.0	38.0	29.0	34.8	43.4	40.6	41.5	40.0	44.0	46.8	44.5	41.6	40.0	34.4	33.3	37.2
17	36.6	37.9	33.4	34.0	36.5	37.2	43.0	34.4	32.2	33.2	31.4	28.7	27.8	30.0	34.5	38.8	40.7	43.5	43.9	42.6	40.5	39.3	38.2	38.0	36.5
18 D	29.2	28.9	37.9	35.9	38.6	38.2	42.5	45.5	22.9	31.0	35.9	28.2	26.6	30.0	34.0	38.5	43.9	44.1	45.8	42.7	38.9	39.8	34.6	29.5	36.0
19 D	34.5	32.9	31.6	30.7	38.0	38.2	47.4	41.1	44.3	37.9	35.9	34.8	30.9	29.8	35.5	42.4	44.2	46.4	44.1	41.7	40.0	33.5	34.9	36.4	37.8
20	36.2	37.0	38.0	41.0	37.0	33.2	37.9	40.5	44.1	39.5	30.1	27.9	27.2	28.2	34.6	38.9	44.3	42.7	41.8	44.0	42.6	39.0	37.0	35.2	37.4
21	37.1	37.6	35.1	37.8	34.6	31.1	37.0	35.9	35.3	33.1	30.9	30.6	30.3	31.8	33.7	34.4	38.8	41.5	41.3	42.9	41.6	37.9	38.8	38.4	36.1
22	36.1	33.9	34.8	34.9	37.7	37.8	36.8	36.0	36.3	34.9	32.7	32.3	31.4	31.4	36.4	39.8	40.9	42.8	42.9	40.9	39.1	37.3	36.9	37.0	36.7
23 Q	36.2	37.9	37.1	36.9	38.3	36.4	36.3	36.1	35.9	35.0	33.9	33.0	32.3	31.9	32.9	35.3	38.2	40.3	43.1	43.9	43.3	41.3	38.4	37.3	37.1
24 Q	36.9	36.7	37.2	36.5	35.5	35.1	35.6	36.5	35.8	34.0	32.4	30.3	28.8	28.7	29.9	32.9	36.9	38.9	40.3	40.1	40.9	40.3	39.8	38.0	35.7
25	36.9	36.9	37.0	37.2	36.2	35.4	36.0	36.0	35.4	34.9	33.3	31.4	29.4	28.8	31.3	34.4	38.8	42.2	43.8	45.6	45.8	42.9	38.6	36.3	36.9
26	35.9	35.4	33.9	32.9	34.9	36.8	36.9	36.3	38.3	37.4	33.9	30.9	30.4	32.7	30.8	32.2	36.4	40.9	42.3	40.8	41.3	38.9	37.3	36.7	36.4
27	36.9	37.2	37.2	37.1	32.9	35.3	35.9	36.4	43.9	40.8	32.3	27.8	27.1	28.3	32.8	36.8	39.5	44.1	44.0	42.8	40.8	38.5	38.1	36.8	36.8
28	34.9	33.4	37.1	37.9	36.4	33.3	34.3	35.9	35.4	33.9	32.1	30.0	29.4	30.9	34.1	38.0	40.3	42.5	48.1	43.8	40.5	40.3	36.9	35.5	36.4
29 D	36.3	37.4	37.8	37.9	37.4	36.5	34.3	35.9	36.3	44.8	32.3	31.3	34.3	33.1	42.4	38.3	40.9	43.9	45.4	42.5	39.8	39.3	37.6	38.3	38.1
30	38.4	37.8	36.9	35.7	35.7	36.0	33.4	35.9	35.3	33.6	30.9	30.0	29.9	31.5	33.9	37.7	40.7	43.3	45.9	44.9	44.3	41.1	39.4	36.1	37.0
31	37.1	36.8	32.2	36.7	37.2	38.0	36.2	34.8	34.6	34.3	33.2	32.0	32.8	33.3	34.8	37.2	40.4	42.6	43.2	41.9	40.0	38.5	37.6	37.3	36.8
Mean	36.8	36.6	36.1	36.5	36.4	36.0	36.3	36.2	36.1	35.6	32.9	30.6	30.0	30.8	33.5	37.2	40.4	43.0	44.1	43.4	41.8	39.5	38.1	37.2	36.9

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 19. Agincourt. (Z.) 56,000 γ + May, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	720	715	708	707	700	677	684	691	697	695	698	692	689	688	689	690	690	695	697	699	700	700	699	696	697
2	696	696	697	700	696	697	689	683	697	697	697	695	690	687	688	689	692	697	694	692	700	701	696	696	694
3	700	701	693	695	696	690	695	691	691	695	696	695	690	685	678	681	681	681	682	687	688	690	690	688	690
4	684	685	685	684	685	678	681	680	681	689	689	689	685	681	681	680	676	681	689	703	713	736	739	726	691
5	711	700	697	694	693	688	684	671	676	686	687	688	685	680	677	678	675	671	672	680	680	684	688	688	685
6	684	685	684	683	683	682	684	684	684	687	687	687	684	684	679	676	679	679	679	681	683	687	687	684	683
7 Q	684	684	683	683	683	683	683	682	682	680	677	680	680	679	678	682	682	678	678	684	684	686	686	685	682
8 Q	682	682	682	681	681	683	677	677	679	679	680	682	682	684	680	672	668	669	664	664	668	674	677	681	677
9 Q	680	681	681	681	681	681	681	680	680	680	682	681	680	681	681	679	677	676	676	675	675	675	676	678	679
10	676	676	677	678	679	677	675	676	678	679	680	675	666	665	658	657	655	658	667	684	679	695	698	696	675
11 D	693	699	702	692	684	683	684	683	678	677	678	682	674	669	662	661	656	660	661	669	671	674	678	682	677
12 D	681	677	677	673	645	628	615	601	592	636	664	668	664	664	661	660	663	667	707	723	717	741	723	713	669
13	712	695	689	685	685	680	677	672	676	680	680	686	689	691	687	685	682	682	688	690	688	689	696	695	687
14	687	684	684	684	680	679	679	676	671	667	666	667	667	666	670	676	671	677	687	698	714	720	714	703	683
15	696	690	687	690	665	670	674	666	652	648	666	674	678	682	676	676	669	668	669	678	695	705	708	710	678
16	705	701	701	689	673	611	644	647	640	646	642	658	650	641	642	654	660	673	692	723	729	722	731	727	675
17	712	703	688	665	681	676	636	633	636	672	668	675	672	672	666	666	665	666	668	677	684	685	693	700	674
18 D	698	674	680	674	665	674	623	550	563	629	662	662	653	654	665	665	665	671	682	713	728	725	731	720	667
19 D	709	682	664	637	601	562	539	617	619	636	633	625	641	656	688	689	697	700	713	730	740	754	732	717	666
20	707	699	685	650	644	656	650	642	623	637	672	681	684	685	686	687	694	689	700	698	700	704	694	693	678
21	686	685	680	667	654	631	618	640	653	665	671	677	671	669	671	674	677	683	690	685	683	688	688	686	671
22	684	671	674	676	670	667	667	667	670	666	669	670	670	668	670	673	670	668	666	662	666	671	674	674	670
23 Q	678	677	674	669	661	661	665	665	669	669	671	666	665	665	661	662	665	656	656	661	666	669	674	673	667
24 Q	674	672	673	674	674	674	673	671	673	673	675	676	675	671	670	664	663	659	657	660	662	664	668	669	669
25	668	669	669	668	668	668	668	668	668	674	673	673	669	666	659	658	660	664	675	687	687	692	686	683	672
26	679	673	674	671	667	672	667	666	649	634	641	658	659	664	666	658	658	655	656	666	668	672	679	678	664
27	678	676	669	661	672	669	666	667	662	650	644	645	650	646	664	663	658	662	666	667	671	674	678	678	665
28	674	680	675	671	670	666	666	671	671	670	671	668	665	663	662	661	661	663	665	666	670	671	671	673	668
29 D	672	667	665	665	665	665	664	665	669	640	615	625	626	631	634	640	644	647	656	665	680	706	724	711	660
30	695	686	682	678	675	666	654	642	655	666	671	672	671	669	666	668	664	671	664	664	671	671	671	677	670
31	687	711	695	673	675	680	677	673	672	673	672	675	671	669	655	654	655	661	667	668	664	669	666	669	672
Mean	690	686	683	677	673	667	663	661	662	668	670	673	671	670	670	670	670	672	676	684	688	694	694	692	677

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 20. Agincourt. May, 1936.

Day	Horizontal Force							Declination							Vertical Force							Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	22	16	388	16	0	327	61	17	42	48.4	0	40	29.7	18.7	0	40	738	5	30	671	67	323	1
2	22	13	392	15	0	326	66	18	30	45.0	11	32	29.7	15.3	22	0	703	7	20	683	20	170	0
3	22	18	407	15	40	335	72	19	0	45.2	13	40	28.2	17.0	11	0	696	14	50	680	16	168	0
4	21	10	457	14	20	300	157	15	0	47.2	13	44	26.0	21.2	22	38	747	16	50	676	71	487	1
5	19	44	405	15	17	332	73	18	38	46.4	11	20	31.2	15.2	0	10	718	7	30	667	51	282	1
6	19	36	398	15	20	344	54	18	28	45.6	13	10	28.6	17.0	10	50	692	15	30	675	17	140	0
7 Q	9	40	397	16	0	351	46	18	0	44.5	12	30	27.0	17.5	23	0	689	10	30	677	12	111	0
8 Q	18	50	394	14	30	349	45	18	0	45.4	12	38	28.9	16.5	10	50	685	18	0	663	22	143	0
9 Q	20	10	410	15	30	362	48	18	55	45.0	12	10	30.8	14.2	10	30	685	18	50	674	11	114	0
10	19	40	441	20	10	321	120	20	20	49.2	15	0	26.6	22.6	22	50	704	16	30	656	48	350	1
11 D	11	20	412	14	36	348	64	22	0	42.5	12	38	16.5	26.0	2	10	714	16	50	655	59	299	1
12 D	21	50	507	13	50	330	177	20	0	45.9	6	33	20.9	25.0	21	30	766	7	20	579	187	910	1
13	20	16	414	15	0	343	71	18	32	43.5	0	18	29.8	13.7	0	10	721	7	10	672	49	273	1
14	21	20	431	15	50	290	141	17	50	49.4	13	0	27.9	21.5	21	20	724	10	40	662	62	428	1
15	21	4	426	15	2	331	95	18	12	46.2	1	20	22.7	23.5	23	43	715	9	20	633	82	425	1
16	22	30	444	14	40	307	137	18	31	49.2	22	34	25.2	24.0	22	30	748	5	46	578	170	793	1
17	22	40	420	6	0	329	91	5	50	46.2	13	20	27.0	19.2	0	2	716	6	18	611	105	506	1
18 D	23	7	458	8	8	279	179	7	20	53.9	8	24	16.9	37.0	22	50	746	8	36	531	215	1010	1
19 D	21	44	483	15	20	268	215	6	10	58.7	4	0	24.0	34.7	21	36	767	6	10	461	306	1378	1
20	21	10	411	15	20	282	129	8	42	48.0	12	31	26.2	21.8	0	10	712	8	36	610	102	544	1
21	21	34	411	16	10	323	88	19	30	43.9	5	43	24.3	19.6	21	50	694	6	24	609	85	427	1
22	21	13	413	14	20	321	92	18	10	43.4	12	50	29.9	13.5	0	10	688	5	10	665	23	222	1
23 Q	21	20	400	15	40	346	54	19	33	44.0	14	0	30.6	13.4	1	0	683	4	40	653	30	185	0
24 Q	23	50	391	15	30	356	35	20	0	40.9	12	50	27.9	13.0	0	10	678	18	0	656	22	128	0
25	23	50	406	15	7	358	48	19	50	46.4	12	35	27.9	18.5	21	20	696	15	40	657	39	205	0
26	21	18	402	17	0	322	80	18	0	43.0	12	22	28.9	14.1	0	10	681	9	30	631	50	296	1
27	21	0	429	13	56	349	80	8	24	46.5	11	50	25.9	20.6	22	0	681	10	30	635	46	277	1
28	20	40	397	18	0	345	52	18	3	54.1	12	50	28.3	25.8	1	20	680	15	0	661	19	143	1
29 D	21	13	432	12	18	304	128	9	38	52.3	11	5	22.8	29.5	22	7	729	10	42	611	118	526	1
30	23	50	500	16	0	337	163	18	45	47.0	12	0	29.4	17.6	0	10	700	7	40	637	63	467	1
31	0	1	484	15	17	333	151	18	0	43.3	2	50	27.0	16.3	1	20	725	15	20	660	65	453	1
Mean			425			327	98			46.8			26.7	20.1			710			638	72	393	0.71
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 21. Agincourt. (H.) 15,000 γ + June, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	382	384	383	382	388	387	390	391	378	370	366	361	370	367	361	352	359	370	372	397	438	406	392	391	381
2 D	385	388	397	396	406	399	391	389	385	381	382	390	375	362	349	359	367	371	405	421	419	406	407	405	389
3	372	366	356	357	362	352	365	362	364	369	368	371	367	359	339	329	340	361	380	385	391	397	392	382	366
4	383	378	380	378	378	378	377	378	377	376	378	382	385	374	348	354	358	358	363	371	373	386	385	377	374
5 Q	382	382	381	378	378	375	378	378	373	370	367	373	372	368	349	338	343	366	385	390	386	382	378	378	373
6 Q	381	382	382	380	381	382	382	382	380	383	387	385	380	367	352	353	368	381	390	388	386	382	382	385	379
7	382	386	383	384	382	386	383	385	382	376	373	381	387	378	357	351	371	390	395	402	392	389	388	393	383
8	395	384	374	377	379	382	386	378	383	378	381	382	383	368	349	353	353	373	376	396	401	441	462	402	385
9 D	387	386	400	379	340	331	325	236	265	318	347	379	384	364	334	324	364	379	385	393	398	383	416	374	358
10 D	368	371	380	373	367	349	357	369	369	378	371	353	344	354	338	330	324	328	358	379	397	412	417	391	366
11	374	375	369	368	367	376	371	371	369	368	371	368	359	348	349	353	363	373	378	384	388	383	388	396	371
12	387	378	374	371	368	367	373	371	360	368	376	369	365	353	346	348	357	367	378	391	391	418	401	386	373
13	374	376	383	371	376	373	370	372	374	381	379	377	370	357	352	349	357	381	406	402	408	415	387	374	378
14	379	378	383	363	371	374	348	352	371	363	359	358	350	347	341	337	338	352	377	396	392	386	388	397	367
15	369	376	357	362	362	367	373	367	353	359	377	373	367	354	340	329	338	357	383	387	406	402	403	383	368
16	396	384	367	369	374	378	373	378	353	368	368	360	362	350	320	333	353	371	389	394	403	392	374	387	371
17	387	378	378	373	378	376	373	373	371	371	374	367	366	362	352	355	363	372	380	383	396	400	398	387	376
18															349	339	338	357	368	413				387	
19 D	386	398	375	188	151	140	62	33	47	140	178	174	236	226	268	310	378	402	420	415	432	383	379	376	301
20	368	378	375	372	379	383	378	348	360	361	362	360	352	345	335	330	335	347	363	353	363	365	367	363	361
21	364	366	368	369	367	374	369	371	369	365	362	362	362	356	348	347	345	354	377	389	406	403	391	379	370
22	374	375	373	377	374	367	371	373	368	368	370	371	370	358	343	331	329	351	380	388	392	387	382	380	369
23 Q	377	378	375	374	374	378	375	377	373	374	376	372	361	349	341	343	360	373	385	391	394	388	388	392	374
24	387	383	384	379	380	381	381	382	384	389	390	387	385	377	366	355	353	368	385	493	413	390	397	399	383
25	379	366	375	380	375	379	378	374	379	382	383	388	388	384	377	374	372	375	385	404	404	392	387	382	382
26	382	380	382	391	392	387	387	389	394	388	392	390	380	369	353	355	353	370	397	402	407	414	399	394	386
27	367	361	361	367	373	378	380	378	376	373	374	376	369	367	371	374	379	389	397	399	398	390	391	389	379
28	386	373	376	379	378	379	375	379	381	382	383	383	380	376	375	370	366	364	384	403	408	408	398	385	382
29 Q	385	388	387	385	385	385	384	385	384	383	384	384	379	372	371	367	374	389	409	403	396	391	384	382	385
30 Q	384	379	380	381	381	379	380	380	378	378	374	378	371	368	359	353	351	366	381	385	388	390	388	385	377
31																									
Mean	380	378	377	369	368	368	370	367	366	365	367	367	366	358	348	347	355	368	385	393	399	396	393	386	372

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 22. Agincourt. (D.) West. 7° . . . ′ June, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	37.8	38.1	38.0	37.8	37.6	36.8	37.0	35.8	30.8	32.7	32.0	31.6	32.6	29.7	32.8	35.7	37.1	42.4	42.2	38.3	35.7	37.8	38.9	37.2	35.8
2 D	38.1	37.8	38.0	37.6	25.8	33.7	36.8	34.6	32.2	33.6	29.1	27.5	28.7	30.6	33.2	35.9	38.2	39.1	41.3	40.1	43.2	41.1	38.9	35.4	35.2
3	32.2	36.3	37.8	36.2	29.9	44.1	38.3	33.8	36.4	35.4	32.1	31.7	31.3	33.1	34.9	36.7	40.8	43.8	44.2	43.1	41.1	38.8	37.9	38.0	37.0
4	39.1	38.8	38.4	38.0	37.8	37.2	36.8	36.8	35.1	33.8	32.0	32.2	30.8	31.8	32.9	36.5	39.3	43.3	44.1	43.1	41.4	39.2	37.3	36.9	37.2
5 Q	37.1	37.2	37.7	37.7	37.1	36.1	36.7	36.9	43.9	38.8	35.8	33.2	31.3	30.4	31.2	33.2	37.8	40.2	40.0	39.9	40.6	38.7	37.1	36.2	36.9
6 Q	35.3	36.3	37.2	37.1	37.2	37.2	37.0	36.8	36.2	35.2	33.2	32.2	31.7	32.8	36.8	42.3	45.3	45.2	44.4	42.8	41.8	40.2	38.7	37.4	37.9
7	36.8	37.0	37.3	37.0	37.2	36.1	34.8	35.7	35.2	36.1	37.8	31.2	26.8	28.4	30.1	34.0	39.7	43.0	44.0	42.0	43.0	41.1	38.0	35.7	36.6
8	34.3	35.3	35.7	36.8	35.7	36.2	36.8	36.7	36.8	37.8	32.8	29.4	27.2	27.1	33.6	36.8	38.3	39.8	44.3	42.7	42.5	39.6	41.8	34.3	36.4
9 D	38.3	39.4	36.2	29.8	24.1	29.9	36.0	46.0	29.4	26.1	20.2	21.8	16.3	22.3	36.8	41.8	43.8	38.2	42.0	42.4	40.7	40.6	38.2	38.2	34.1
10 D	39.2	39.2	38.3	34.2	34.7	35.3	28.0	32.7	33.2	32.8	30.7	30.3	30.7	33.0	30.7	35.5	37.9	43.8	42.2	41.4	38.8	39.8	38.0	36.0	35.7
11	37.5	28.7	36.6	36.9	36.7	36.7	36.7	36.8	36.7	35.1	33.2	31.6	32.7	35.0	34.0	38.3	41.1	43.1	43.6	42.7	40.9	39.2	38.1	37.7	37.0
12	35.7	34.1	34.8	36.7	37.9	39.9	34.6	36.7	32.7	33.1	29.8	29.8	31.6	33.8	35.6	37.1	38.8	39.1	39.9	40.2	40.6	38.3	38.1	38.7	36.2
13	39.9	38.0	38.9	37.6	36.6	39.7	35.2	34.5	33.7	32.5	31.5	29.6	28.4	26.7	30.9	32.9	38.9	40.9	40.1	40.2	39.7	39.2	39.0	39.1	36.1
14	39.2	38.7	35.8	34.8	35.2	35.7	35.2	43.6	31.7	32.2	32.6	28.4	29.7	32.2	33.6	35.6	38.6	42.9	42.7	42.5	41.0	37.9	34.1	33.4	36.2
15	35.7	37.4	33.3	28.2	38.6	40.6	34.3	32.2	38.7	38.6	28.5	26.4	26.7	25.3	27.0	34.6	37.9	40.2	39.7	41.0	38.1	33.7	34.2	35.7	34.4
16	31.9	33.6	30.8	34.7	34.7	43.5	37.4	38.8	42.9	36.6	33.5	34.7	30.7	27.9	33.6	38.0	37.1	38.3	40.1	40.4	37.2	38.3	38.6	36.1	36.3
17	34.2	36.7	35.5	34.6	35.4	35.4	37.0	39.2	39.1	34.5	31.6	30.5	30.6	32.4	34.6	35.3	36.3	37.5	39.9	42.4	45.1	42.0	39.4	37.4	36.6
18																									
19 D	36.7	38.9	34.5	36.9	30.1	92.5	39.9	49.4	53.9	36.6	31.6	40.1	34.7	37.9	36.4	34.9	30.7	33.7	36.1	38.9	39.9	44.3	43.2	41.4	39.8
20	39.7	38.1	36.3	36.1	36.7	33.7	35.2	40.7	37.1	34.1	28.8	27.2	28.6	29.6	31.1	35.1	37.7	38.6	39.8	41.0	41.2	40.7	39.0	38.1	36.0
21	37.7	37.6	37.6	37.1	37.2	37.1	37.7	37.6	36.2	34.7	34.1	31.2	29.7	29.2	32.1	35.4	37.8	42.1	44.7	45.8	42.9	39.8	37.7	36.4	37.0
22	36.9	37.6	37.6	36.8	35.3	35.7	35.7	35.7	35.3	33.4	32.9	30.0	28.1	29.6	31.9	34.6	39.4	43.2	42.8	42.0	40.7	38.1	37.4	36.7	36.1
23 Q	37.6	36.4	37.6	37.6	37.0	36.2	35.8	36.2	35.7	34.5	31.7	29.2	28.1	29.2	31.8	36.2	40.7	42.6	41.2	40.7	41.2	40.7	39.5	37.4	36.0
24	36.3	36.4	36.2	36.7	35.4	34.2	35.4	36.1	35.6	33.6	30.8	28.4	26.3	27.9	30.6	33.3	41.4	46.4	47.4	44.2	42.6	41.5	39.2	36.4	36.4
25	37.0	37.2	35.7	30.5	34.4	35.4	37.4	37.2	35.6	33.6	32.3	30.9	29.8	29.8	30.2	31.2	35.9	38.1	40.2	40.7	40.7	40.2	39.7	38.2	35.5
26	37.1	36.8	37.1	36.5	35.8	35.5	35.5	35.6	36.2	36.2	29.8	26.9	25.6	24.3	25.4	32.5	35.7	40.5	41.6	42.5	42.2	39.9	40.2	39.7	35.4
27	36.6	33.6	33.7	34.6	34.7	35.2	36.1	37.3	35.7	34.7	33.6	31.7	31.2	32.1	33.6	36.1	38.2	39.6	40.7	42.0	43.1	42.2	40.0	38.1	36.4
28	37.1	37.6	37.6	37.4	36.6	36.0	35.7	35.1	34.4	33.3	31.9	30.0	29.7	28.3	29.8	33.5	38.1	42.7	44.2	43.6	42.2	40.2	38.6	37.6	36.3
29 Q	36.9	36.6	37.2	36.3	36.0	35.1	35.4	35.4	34.7	34.4	33.1	31.6	31.2	32.2	34.7	38.9	44.6	46.8	46.7	46.1	44.2	42.1	39.6	37.7	37.8
30 Q	36.7	36.3	35.7	36.8	36.4	35.8	35.4	34.6	33.7	32.9	30.9	28.6	28.1	29.1	30.6	32.7	38.1	41.1	42.2	42.7	43.6	42.7	39.7	36.7	35.9
31																									
Mean	36.8	36.7	36.4	35.8	35.1	36.7	36.0	37.2	35.8	34.3	31.6	30.2	29.2	30.0	32.4	35.7	38.8	41.2	42.1	42.0	41.2	40.1	38.6	37.1	36.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 23. Agincourt. (Z.) 56,000 γ + June, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	670	670	668	668	670	670	670	656	635	608	595	611	629	640	649	654	662	665	666	673	689	689	688	691	657
2 D	676	672	669	665	631	591	607	635	655	661	664	664	661	656	658	653	651	651	670	706	745	765	759	741	671
3	726	707	700	679	634	614	624	645	651	659	655	660	657	661	662	662	668	661	661	670	674	682	687	687	666
4	676	672	679	678	678	678	663	662	662	668	669	669	666	662	657	662	659	654	654	660	665	667	672	672	665
5 Q	669	665	665	662	665	661	661	658	645	648	656	661	659	657	657	650	645	649	653	661	661	660	661	663	658
6 Q	663	663	662	661	658	658	658	657	656	659	661	662	664	660	657	652	646	642	643	648	654	658	661	660	657
7	659	659	657	657	657	655	653	653	653	651	648	647	649	651	653	650	651	652	653	657	657	657	659	658	655
8	661	663	663	663	661	658	664	664	648	643	647	649	653	650	648	645	640	646	650	655	664	682	716	721	660
9 D	683	671	665	636	533	544	575	350	454	471	553	615	641	632	629	618	626	631	639	651	660	658	666	663	602
10 D	656	655	654	653	641	604	626	643	647	648	643	637	639	644	646	649	656	659	662	685	692	691	689	690	655
11	679	678	660	660	658	652	651	659	654	651	652	655	652	651	648	647	647	650	651	653	654	653	654	661	655
12	662	662	660	652	645	616	623	601	613	632	644	649	651	645	641	638	638	641	646	653	649	654	659	662	643
13	665	658	649	653	641	630	648	649	653	652	653	652	652	653	650	648	650	645	648	659	664	664	662	660	653
14	656	649	651	653	652	628	593	571	619	626	637	642	644	642	643	642	645	646	647	656	658	662	667	667	642
15	668	663	646	637	641	630	632	632	618	597	625	639	642	642	641	642	641	654	663	659	663	663	657	656	643
16	656	655	646	638	636	600	610	617	606	622	631	622	625	631	632	637	634	636	641	658	665	664	658	657	636
17	654	648	645	634	643	643	651	649	659	669	674	681	681	679	681	680	678	676	674	673	671	673	674	678	666
18	679	675	675	676	669	666	666	671	670	663	663	727	727	675	665	660	654	650	652	663	663	672	697	709	674
19 D	697	690	651	470	510	410	372	265	300	318	316	452	547	617	666	716	705	683	681	690	706	683	665	654	561
20	656	660	661	659	658	652	644	630	627	642	649	656	660	653	645	646	647	646	656	658	662	661	660	659	652
21	658	657	657	657	656	655	654	653	654	655	654	655	656	651	651	652	656	649	644	645	649	653	656	656	653
22	655	654	655	653	650	650	650	650	651	650	653	649	649	649	650	651	656	642	634	633	635	641	647	654	648
23 Q	653	651	651	651	649	648	647	645	647	649	651	652	652	652	648	646	647	638	633	631	637	641	646	648	646
24	642	642	642	642	642	640	639	639	641	642	643	642	642	642	647	652	652	650	646	652	657	659	662	666	647
25	670	663	660	651	648	654	654	656	654	657	659	658	657	654	651	651	653	648	646	647	649	648	651	652	654
26	653	654	654	654	651	652	652	654	652	646	649	651	654	651	659	665	657	654	656	658	659	663	669	682	656
27	686	675	668	658	656	653	647	648	647	653	656	656	656	652	649	647	649	649	650	650	652	650	653	655	654
28	658	656	657	656	655	652	652	653	653	653	656	652	652	650	650	646	645	639	635	638	645	646	646	646	650
29 Q	650	650	650	652	652	650	650	652	652	651	651	651	653	652	652	647	646	648	652	655	656	652	654	656	652
30 Q	656	654	653	652	652	652	653	652	653	652	654	653	652	647	645	645	645	639	639	643	651	653	653	655	650
31																									
Mean	666	662	658	648	643	633	634	624	633	631	636	645	650	649	649	651	651	648	650	657	662	664	667	667	649

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 24. Agincourt. June, 1936.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 D	20	40	454	16	7	343	111	17	53	44.2	13	22	26.0	18.2	21	52	697	10	34	588	109	548	1
2 D	19	20	460	14	20	327	133	23	40	44.8	4	31	19.7	25.1	21	6	776	5	22	578	198	883	1
3	21	26	414	15	50	319	95	5	50	49.1	4	42	25.1	24.0	0	10	740	5	48	602	138	618	1
4	22	16	397	14	42	341	56	18	0	44.1	13	0	28.8	15.3	0	10	680	18	10	654	26	177	1
5 Q	19	55	393	15	30	334	59	8	10	44.8	13	53	29.8	15.0	0	50	670	9	0	642	28	188	1
6 Q	18	50	392	14	50	348	44	16	30	45.7	12	8	31.0	14.7	11	0	663	18	0	643	20	136	0
7	19	33	436	15	6	345	91	18	1	45.0	12	20	26.3	18.7	19	30	664	10	20	647	17	203	1
8	22	52	474	14	50	345	129	18	26	46.8	12	28	25.7	21.1	23	0	759	9	40	640	119	610	1
9 D	22	40	431	7	20	119	312	7	24	68.8	12	54	6.3	62.5	0	1	697	7	22	239	458	2044	2
10 D	22	13	436	17	10	305	131	17	27	46.7	6	12	24.0	22.7	20	0	700	5	20	594	106	566	1
11	23	50	402	15	10	339	63	18	37	44.2	1	42	20.9	23.3	0	1	684	16	40	646	38	228	1
12	21	30	427	15	12	340	87	5	14	44.6	11	50	28.6	16.0	23	50	666	7	20	600	66	364	1
13	21	50	441	15	50	337	104	5	20	43.4	13	44	25.4	18.0	21	50	674	5	20	622	52	336	1
14	23	0	425	6	58	310	115	7	14	52.1	6	39	26.7	25.4	23	40	675	7	10	541	134	633	1
15	20	16	430	15	20	311	119	9	4	45.1	3	8	21.2	23.9	0	30	670	9	11	589	81	464	1
16	20	47	421	15	0	305	116	5	28	48.2	0	28	26.7	21.5	20	40	674	5	20	593	81	453	1
17	21	50	410	13	54	339	71	20	30	45.7	11	40	29.7	16.0	14	30	686	3	30	625	61	402	1
18	20	10	455	16	41	329	126								13	0	727	17	40	645	82	695	1
19 D	20	12	451	5	25	-35	486	8	0	139.9	7	30	27.9	112.0	15	40	727	7	50	125	602	2810	2
20	4	45	411	15	30	317	94	7	43	46.2	11	0	25.6	20.6	0	20	664	8	0	610	54	333	1
21	20	43	416	15	53	340	76	19	20	46.7	13	18	28.1	18.6	23	50	659	18	20	644	15	168	1
22	20	0	395	16	2	319	76	17	20	43.5	12	20	27.1	16.4	16	20	661	19	30	632	29	213	0
23 Q	23	52	399	15	30	339	60	17	14	42.7	12	10	27.2	15.5	11	0	655	19	0	631	24	172	0
24	20	30	436	16	37	348	88	18	10	48.1	12	30	25.5	22.6	23	50	671	7	30	641	30	295	1
25	19	50	413	1	20	353	60	19	18	41.4	3	28	24.6	16.8	0	10	662	4	0	644	18	188	1
26	21	42	422	16	27	344	78	19	40	43.4	13	40	23.1	20.3	23	50	691	9	50	642	49	378	1
27	19	0	401	0	30	352	49	20	13	43.1	12	30	30.1	13.0	0	10	691	15	30	645	46	319	1
28	21	30	414	17	26	360	54	18	50	44.7	13	20	27.9	16.8	1	50	660	19	0	635	25	213	1
29 Q	18	55	416	15	24	364	52	17	30	47.1	12	40	30.5	16.6	23	20	658	15	40	645	13	148	0
30 Q	21	50	395	16	30	346	49	21	0	43.7	13	20	26.7	17.0	1	0	658	18	0	638	20	179	0
31																							
Mean			422			316	106			49.4			25.7	23.7			685			594	91	499	0.90
No. days			30			30	30			29			29	29			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 25. Agincourt. (H.) 15,000 γ + July, 1936.

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		385	376	381	382	383	384	386	385	386	388	385	381	375	361	343	332	335	354	374	392	403	399	391	394	377
2	D	401	410	420	417	404	375	366	343	248	281	269	275	225	252	271	279	330	333	354	385	390	399	385	378	341
3		356	352	361	365	359	352	361	362	364	362	354	361	365	360	361	354	349	352	365	370	381	379	370	364	362
4		359	364	364	367	366	366	369	369	366	356	365	369	359	352	348	354	351	351	355	366	388	398	377	376	365
5		371	374	393	394	384	371	376	367	375	355	292	335	336	331	331	326	329	335	347	367	370	386	384	385	359
6	D	385	371	355	352	356	360	364	365	369	376	374	307	297	337	326	313	322	346	361	369	364	376	422	405	357
7		383	362	352	357	359	365	366	364	354	326	347	360	344	351	356	352	345	328	339	355	368	374	376	388	357
8		375	376	374	381	367	365	366	366	367	365	365	369	374	364	349	345	340	354	378	386	387	392	381	376	369
9		369	365	369	369	370	371	369	365	362	367	371	369	365	346	331	337	355	370	388	389	385	357	385	389	367
10	D	378	368	370	369	380	375	357	368	369	376	374	369	357	356	330	291	298	347	399	444	462	457	463	405	378
11	D	356	333	334	324	343	347	345	343	327	327	336	342	332	324	318	326	355	343	370	410	430	435	418	394	355
12		378	381	380	366	367	372	372	372	365	371	371	370	363	348	327	326	336	347	356	380	389	392	372	394	367
13		374	372	366	356	350	345	360	366	362	352	351	347	334	330	322	318	331	348	368	379	378	376	377	370	355
14	Q	371	370	371	370	368	375	374	367	368	371	369	366	366	360	348	337	340	353	370	376	371	373	375	380	366
15	Q	379	371	370	371	368	373	370	366	361	361	370	366	365	353	336	329	334	347	361	366	380	386	378	376	364
16		376	384	394	372	336	319	355	364	365	361	363	357	348	337	334	329	328	352	365	381	384	391	396	400	362
17		382	378	368	363	374	370	367	362	361	358	357	352	362	355	352	355	371	386	404	414	415	416	404	405	376
18		399	394	382	377	374	376	372	370	365	368	371	376	372	362	356	344	343	357	370	372	374	376	379	381	371
19		370	374	368	368	372	378	376	372	370	368	370	372	363	342	322	335	365	384	389	397	394	386	387	375	371
20		376	375	374	370	370	375	368	368	366	360	367	367	368	360	334	322	331	340	350	372	383	387	384	380	364
21	Q	373	370	372	375	375	375	377	380	380	382	379	375	373	365	355	338	329	348	365	387	393	391	386	381	373
22		378	375	376	377	379	375	375	373	370	374	380	377	367	350	336	338	351	374	386	403	406	407	399	377	376
23	Q	373	375	376	376	374	374	373	373	374	379	378	373	372	363	351	354	361	371	371	381	387	393	393	385	374
24	Q	380	377	378	378	378	381	383	386	383	378	375	375	368	362	358	353	357	379	395	407	410	405	397	395	381
25		382	382	386	387	387	374	381	381	380	377	373	367	371	362	357	353	353	363	371	384	395	387	391	389	376
26		391	381	369	373	376	370	371	372	371	371	375	376	371	352	330	325	332	352	373	382	386	383	382	377	369
27		376	388	378	378	377	378	377	386	378	371	371	377	373	352	346	343	354	372	377	389	387	382	383	390	374
28		378	371	375	376	378	373	371	371	376	373	373	377	369	358	341	337	348	366	386	388	391	386	383	382	372
29	D	383	386	385	382	380	375	397	400	393	376	371	373	338	356	309	349	361	354	369	392	407	391	368	367	373
30		370	383	369	347	362	363	353	357	348	356	364	358	353	346	332	327	334	350	363	372	378	377	375	371	358
31		368	367	371	368	368	371	372	373	380	367	363	371	366	347	339	343	338	353	367	381	388	402	383	376	368
Mean		377	374	373	371	370	369	370	370	365	363	362	361	354	348	337	334	342	355	370	385	391	391	388	384	367

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26. Agincourt. (D.) West. 7° . . . ′ July, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	35.9	37.0	37.1	36.8	36.7	36.3	35.5	35.7	33.7	32.7	30.1	29.3	27.5	26.8	29.8	33.3	38.0	42.7	44.4	44.8	42.8	41.0	39.7	38.0	36.1
2 D	37.0	37.7	36.7	35.8	35.8	35.2	33.0	39.7	49.3	34.8	34.5	40.2	50.7	43.2	34.0	36.3	35.4	34.5	37.7	34.8	36.6	35.5	35.8	33.8	37.4
3	29.4	27.3	35.7	36.7	35.5	34.8	35.7	40.4	36.3	34.7	32.5	27.1	26.8	26.8	28.1	31.9	35.9	38.8	41.4	41.9	41.1	39.9	38.3	37.4	34.8
4	37.3	37.7	37.7	37.7	37.4	37.4	36.8	37.5	37.8	38.8	33.9	28.4	29.5	30.7	32.2	33.8	37.1	41.0	43.7	45.5	43.0	40.0	38.8	37.8	37.2
5	36.9	36.9	36.8	33.8	33.3	30.3	31.6	35.7	30.8	39.8	37.3	31.4	31.7	30.3	29.9	34.2	34.3	37.5	40.5	39.3	40.0	38.0	36.3	33.3	35.0
6 D	28.8	27.8	33.2	36.3	37.0	36.3	34.3	36.3	33.0	33.2	32.7	43.7	42.7	32.4	28.7	32.0	33.5	36.8	39.5	42.3	43.8	40.8	33.3	33.7	35.5
7	32.2	32.1	30.7	36.8	34.1	34.3	35.8	36.5	39.8	48.0	39.8	30.4	26.3	26.4	26.7	30.5	32.1	37.7	42.2	42.8	42.8	41.7	40.0	38.3	35.8
8	35.2	35.8	36.8	36.9	32.1	34.0	38.0	38.7	37.3	34.9	31.5	28.8	27.2	26.8	28.3	32.5	36.7	41.1	44.3	43.6	43.7	42.3	40.3	37.5	36.0
9	36.7	37.0	37.3	36.8	36.7	35.6	34.9	35.4	37.3	36.6	33.8	32.2	30.6	28.8	31.5	35.0	36.2	39.0	38.8	40.8	43.2	45.6	42.5	38.0	36.7
10 D	34.8	35.3	35.3	34.2	34.7	33.1	29.2	27.7	31.0	33.3	29.6	26.8	24.8	25.4	26.7	30.3	41.4	45.3	38.8	36.8	32.0	36.1	35.4	35.6	33.1
11 D	35.3	38.4	28.5	41.5	36.3	33.7	38.0	38.4	41.7	45.3	38.8	31.9	28.0	25.5	26.4	32.8	36.2	41.7	42.4	43.8	42.3	40.5	36.9	35.7	36.7
12	38.0	36.3	31.9	35.5	36.8	36.4	35.8	34.3	34.0	32.3	29.9	29.1	28.5	29.0	31.2	36.4	40.2	43.7	43.8	43.7	42.8	38.4	39.6	38.0	36.1
13	38.3	35.9	35.8	38.8	37.3	28.9	33.4	35.3	37.1	40.4	38.3	31.7	32.0	32.6	32.4	33.0	38.0	40.0	41.7	39.8	40.6	39.3	38.0	36.8	36.5
14 Q	36.1	36.6	36.4	35.7	35.3	36.0	36.9	37.2	38.2	35.1	32.8	30.3	29.4	30.2	32.8	35.6	39.8	43.0	42.9	43.6	42.4	39.7	38.2	36.8	36.7
15 Q	36.4	35.5	36.4	37.6	36.9	38.7	39.2	35.3	34.7	33.6	30.9	29.6	28.3	27.3	29.8	33.7	37.3	39.9	42.8	45.4	44.0	41.0	39.0	36.9	36.3
16	35.8	35.8	30.4	27.0	25.4	26.3	30.6	35.1	35.1	34.3	31.6	28.7	27.4	28.7	32.8	34.3	37.0	41.2	43.7	43.3	44.3	42.8	40.4	36.8	34.5
17	36.8	36.2	32.7	33.2	35.8	35.7	35.0	34.4	33.7	31.3	28.0	25.7	25.7	25.3	28.7	33.0	37.7	41.5	45.3	45.8	42.2	40.7	39.0	37.8	35.0
18	36.6	38.0	28.0	25.9	32.1	35.6	34.9	34.4	34.8	33.3	29.8	27.3	27.7	29.1	32.8	35.1	35.9	37.7	30.6	31.8	41.9	39.4	37.7	34.8	33.6
19	35.1	30.8	33.9	35.7	35.7	36.3	37.8	36.6	36.8	36.0	33.9	32.3	29.4	29.8	35.0	39.7	42.8	44.2	43.7	42.8	41.7	38.7	35.8	34.7	36.6
20	34.2	31.9	36.1	35.7	35.0	33.8	36.2	37.3	38.3	34.9	30.5	28.9	26.7	25.7	27.3	32.2	36.7	42.2	43.3	42.7	41.1	39.7	37.7	35.8	35.2
21 Q	34.9	35.4	34.8	35.9	36.1	36.3	36.6	37.3	37.8	36.3	33.4	31.4	28.6	27.5	29.9	32.9	36.8	41.0	42.7	43.0	41.0	39.0	37.0	35.6	36.0
22	35.0	35.7	35.1	32.8	35.3	35.5	35.4	36.3	36.7	37.2	32.8	29.7	28.4	28.3	31.3	36.8	40.7	42.3	42.2	41.2	38.9	38.0	35.8	34.8	35.7
23 Q	35.5	36.2	35.8	35.8	34.7	35.8	36.1	35.7	35.6	35.5	33.3	31.6	29.0	28.7	31.3	36.9	40.6	42.5	43.0	42.4	41.3	39.3	37.3	35.6	36.2
24 Q	34.8	35.5	36.2	36.2	35.9	36.1	35.4	35.8	35.0	33.2	29.7	27.7	27.1	28.3	31.7	36.5	40.4	40.5	40.6	41.5	42.3	40.8	38.1	35.9	35.6
25	35.7	36.5	36.6	36.6	34.3	33.3	35.5	35.1	33.9	32.3	31.3	30.8	28.3	26.6	31.6	35.5	40.4	43.9	45.3	44.3	43.0	41.5	37.8	35.9	36.1
26	35.3	34.1	35.1	35.8	34.8	35.5	35.8	35.1	35.7	35.0	31.4	29.3	27.0	27.3	29.8	33.8	38.3	40.7	42.3	42.8	42.4	40.3	38.3	37.3	35.5
27	35.9	35.9	35.9	36.2	35.8	35.6	35.4	34.5	33.4	31.8	29.5	28.3	26.9	28.7	33.4	40.4	45.0	46.1	46.0	44.9	41.6	40.0	38.1	35.9	36.5
28	32.9	36.6	35.1	32.9	32.9	34.4	35.1	34.2	33.4	31.5	30.3	27.8	26.4	26.6	30.4	35.4	39.6	43.0	44.6	43.1	40.6	36.9	35.3	35.7	34.8
29 D	35.5	35.2	35.6	35.9	34.8	34.8	35.4	35.4	34.3	33.7	32.6	30.7	29.8	30.6	34.4	38.8	42.9	45.9	45.9	42.9	40.6	38.8	36.9	32.8	36.4
30	35.1	37.8	34.8	20.3	33.4	35.9	34.4	33.2	32.4	34.4	32.8	30.4	29.0	28.6	31.1	39.3	43.3	43.4	45.8	45.0	41.4	36.2	36.6	38.2	35.5
31	37.0	38.3	38.3	42.9	38.5	36.0	36.4	35.9	34.5	33.3	31.8	27.8	25.1	25.5	30.9	37.8	41.3	42.9	43.3	42.0	39.8	37.4	36.5	36.7	36.3
Mean	35.3	35.4	34.8	35.1	35.0	34.8	35.3	36.0	35.9	35.4	32.5	30.3	29.2	28.6	30.6	34.8	38.4	41.3	42.4	42.1	41.6	39.6	37.7	36.1	35.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 27. Agincourt. (Z.) 56,000 γ + July, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	653	651	651	649	649	650	651	650	650	650	654	654	655	652	651	649	644	643	645	652	655	653	652	652	651
2 D	651	650	651	649	647	649	651	607	564	543	489	466	481	518	576	613	644	662	673	685	689	678	670	677	616
3	688	676	666	664	655	653	654	641	644	649	650	649	651	648	652	654	654	649	653	655	659	655	655	653	655
4	655	654	654	654	655	654	655	654	654	647	646	650	653	653	653	646	646	648	650	651	654	648	647	648	653
5	655	655	658	652	643	631	627	604	632	597	549	583	603	620	630	633	638	642	650	654	655	658	657	659	633
6 D	671	670	671	665	660	654	648	648	644	648	640	600	588	615	641	643	646	657	669	671	671	679	698	685	653
7	677	653	659	636	634	649	651	648	647	611	611	637	646	652	656	650	642	641	640	646	651	654	657	663	646
8	665	663	662	643	648	642	643	642	649	651	654	657	660	657	658	657	651	648	652	660	663	663	663	663	654
9	660	659	660	660	659	656	654	652	654	657	660	660	660	660	657	654	657	657	657	662	665	660	663	668	658
10 D	672	680	668	665	634	595	612	637	651	660	663	660	660	660	657	658	671	684	698	741	758	739	724	735	673
11 D	725	644	651	618	641	653	639	616	587	555	590	614	631	644	647	656	656	660	668	673	676	678	683	673	645
12	665	671	668	667	667	664	663	660	662	663	663	661	660	659	657	652	652	650	647	656	662	676	670	671	662
13	669	666	666	656	621	647	656	662	658	647	635	639	646	650	652	655	652	652	658	662	662	658	661	658	654
14 Q	661	659	661	658	658	658	658	675	673	662	662	661	662	658	664	658	654	652	652	656	661	663	661	664	661
15 Q	663	660	658	658	661	651	640	644	651	656	658	658	655	652	655	658	659	658	662	660	658	658	659	661	656
16	659	661	651	626	627	620	649	658	658	655	656	655	654	650	649	647	646	641	646	652	654	658	656	658	650
17	657	660	656	657	660	658	657	657	657	657	657	654	653	654	651	642	638	640	645	650	651	650	651	650	653
18	653	658	673	655	649	643	650	650	651	654	656	657	657	656	661	662	657	657	657	659	660	661	664	666	657
19	663	657	658	657	655	651	648	649	652	654	654	657	654	651	651	645	640	642	645	651	656	662	662	662	653
20	662	659	657	656	653	645	643	639	638	649	656	658	656	653	656	656	659	664	659	659	662	664	661	660	655
21 Q	659	657	657	656	656	656	656	654	653	656	657	654	652	650	650	647	648	644	647	650	654	655	658	656	653
22	656	653	653	653	651	650	650	651	651	650	653	652	650	650	650	652	650	649	646	649	653	657	659	657	652
23 Q	653	652	653	652	652	652	652	650	652	653	653	652	652	652	654	650	649	647	650	651	652	655	653	652	652
24 Q	652	651	650	649	649	649	649	649	646	648	648	647	647	646	645	646	638	637	637	643	648	652	650	649	647
25	649	649	652	651	645	649	651	649	649	649	649	648	649	648	647	646	648	649	652	653	655	655	659	658	651
26	656	654	657	657	653	653	652	652	651	651	653	652	655	654	654	649	646	646	648	651	651	651	653	654	652
27	653	654	654	654	654	653	652	649	647	646	648	651	652	651	651	648	648	644	642	649	653	654	654	658	651
28	660	662	660	645	648	654	654	653	652	654	654	656	654	652	651	652	648	651	652	652	651	653	654	654	653
29 D	654	652	652	652	651	652	652	648	643	614	609	621	622	614	622	628	630	637	651	663	684	695	694	678	647
30	670	644	639	633	616	624	630	623	632	647	651	651	650	651	653	650	649	649	650	650	653	653	651	653	645
31	653	653	653	650	650	653	653	650	650	641	627	639	646	647	645	644	646	650	650	654	653	661	662	657	650
Mean	663	658	658	652	649	648	649	646	646	642	639	641	643	645	649	649	649	651	654	659	663	664	664	663	652

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 28. Agincourt. July, 1936.

Day	Horizontal Force						Declination						Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +		Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range		
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	20	28	409	16	0	327	82	19	40	45.0	13	40	26.3	17.7	12	30	656	16	23	642	14	206	1
2 D	2	10	439	12	20	239	200	12	40	59.0	10	40	25.1	33.9	12	50	656	11	0	621	35	1484	2
3	20	12	384	0	55	332	52	7	40	42.8	1	0	19.7	23.1	0	40	699	7	40	635	64	438	1
4	21	10	404	13	50	346	58	19	25	45.7	11	46	26.6	19.1	22	0	661	15	40	642	19	191	1
5	2	37	422	10	18	248	174	10	0	52.0	8	2	27.3	24.7	2	36	665	10	16	512	153	1133	1
6 D	23	0	443	12	18	238	205	11	30	53.8	1	3	16.1	37.7	22	43	703	12	4	573	130	1056	1
7	0	52	396	9	33	317	79	9	30	49.1	0	58	22.7	26.4	0	40	686	9	40	600	86	611	1
8	21	17	405	16	54	331	74	18	50	45.2	14	0	25.4	19.8	1	0	667	3	40	634	33	302	1
9	20	23	400	14	53	325	75	21	20	46.0	13	4	28.5	17.5	23	50	672	7	20	651	21	235	1
10 D	20	6	485	16	0	265	220	17	18	46.7	13	10	22.2	24.5	21	43	786	5	0	579	207	1512	1
11 D	21	40	472	9	0	264	208	8	50	50.5	2	53	16.4	34.1	1	0	765	8	57	531	234	1646	2
12	20	3	417	15	16	313	104	18	48	45.0	2	12	25.0	20.0	21	40	685	18	30	644	41	388	1
13	0	7	387	15	44	307	80	18	16	43.7	5	12	25.5	18.2	0	10	672	4	30	603	69	385	1
14 Q	19	13	386	16	0	334	52	19	50	44.7	12	0	28.8	15.9	9	0	684	6	20	646	38	304	1
15 Q	21	24	394	16	0	326	68	19	40	45.5	13	30	26.5	19.0	21	30	663	6	40	639	24	242	1
16	2	50	428	5	30	302	126	20	44	44.8	2	40	20.2	24.6	23	30	661	5	20	601	60	535	1
17	22	50	451	15	0	347	104	19	10	46.8	11	42	23.5	23.3	22	50	661	16	20	636	25	302	1
18	1	53	418	16	38	337	81	20	0	43.2	2	40	19.8	23.4	2	40	696	5	10	639	57	444	1
19	19	54	400	14	20	318	82	17	28	44.4	12	40	27.8	16.6	23	0	666	17	0	639	27	276	1
20	21	20	392	15	30	316	76	17	54	45.0	12	50	23.8	21.2	0	30	664	8	40	636	28	276	1
21 Q	21	50	401	16	24	323	78	18	55	43.2	13	20	26.7	16.5	0	30	660	17	30	642	18	221	0
22	19	52	412	14	50	334	78	17	53	42.7	13	10	27.6	15.1	23	0	660	19	0	647	13	194	0
23 Q	21	54	395	15	30	342	53	18	33	42.8	13	10	27.7	15.5	0	10	656	17	0	647	9	133	0
24 Q	19	57	414	15	50	349	65	20	17	41.8	11	44	26.1	15.7	0	20	652	17	0	636	16	191	0
25	20	53	403	15	4	346	57	18	30	45.2	13	10	25.8	19.4	23	0	660	4	40	641	19	202	0
26	0	30	396	16	0	323	73	20	0	42.6	13	50	25.7	16.9	1	0	657	17	20	646	11	180	0
27	20	7	396	14	10	335	61	17	10	47.1	12	24	26.1	21.0	23	50	659	18	0	643	16	192	1
28	18	54	401	15	10	332	69	19	10	41.1	13	30	25.1	16.0	0	30	663	3	40	642	21	225	1
29 D	20	38	420	14	40	259	161	16	36	48.4	15	8	18.5	29.9	21	20	697	9	48	586	111	878	1
30	1	53	405	15	0	323	82	18	30	42.8	1	10	17.8	25.0	0	10	675	4	30	598	77	563	1
31	21	20	419	16	40	327	92	17	44	47.3	12	0	23.1	24.2	22	10	667	10	30	624	43	394	1
Mean			413			314	99			45.9			24.1	21.8			677			621	56	495	0.87
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 29. Agincourt. (H.) 15,000 γ + August, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	370	372	368	367	368	369	362	374	371	367	369	367	358	346	329	324	333	349	363	372	384	379	382	372	363
2	373	373	371	372	372	373	374	374	378	376	377	375	372	363	350	346	355	363	378	384	385	383	372	368	371
3	382	384	378	376	379	378	379	376	374	374	378	379	368	350	338	342	355	380	391	387	407	403	382	381	376
4	382	372	369	384	374	368	370	373	372	368	363	365	358	353	339	333	351	372	384	396	392	392	386	381	371
5 D	378	386	386	373	377	381	373	374	371	372	368	363	358	345	323	335	350	362	379	398	404	402	391	382	372
6 D	357	347	358	354	343	342	347	370	368	365	362	352	351	345	338	345	357	363	374	379	379	383	381	379	360
7 Q	380	378	376	377	377	375	377	375	378	379	378	377	373	363	354	358	377	393	407	413	408	407	402	392	382
8 D	385	382	382	379	375	374	372	371	366	369	369	373	365	348	344	336	354	373	379	428	428	388	373	377	374
9	379	379	379	377	373	368	368	369	366	363	348	359	359	356	339	334	345	320	380	388	385	385	389	385	367
10 D	373	368	363	360	351	349	351	352	361	361	358	349	340	355	345	340	345	354	368	375	378	380	378	379	359
11 Q	377	374	375	371	371	374	373	373	369	363	368	368	364	358	344	345	356	364	368	375	375	379	373	375	368
12	377	375	377	378	373	371	374	374	373	370	373	373	370	359	337	332	343	366	380	384	388	380	394	387	371
13	375	378	380	377	375	374	375	359	358	359	366	369	359	344	335	326	335	351	378	389	385	379	373	375	366
14	379	382	382	380	383	382	380	379	380	382	383	385	380	363	346	339	356	370	386	397	400	392	384	380	378
15	383	379	378	380	377	373	378	368	374	377	377	374	366	351	340	339	340	351	359	369	370	374	368	379	368
16	379	372	368	373	372	369	373	373	371	370	370	370	366	355	337	331	335	346	364	373	382	377	373	373	366
17	373	370	360	356	365	371	372	370	369	368	368	365	358	345	325	324	335	355	373	382	383	383	375	373	363
18 Q	375	375	371	374	377	374	374	374	375	373	373	371	359	343	330	326	341	358	373	378	380	379	378	380	367
19 Q	382	380	379	382	379	379	378	380	380	379	380	377	368	356	334	324	330	346	359	373	375	383	383	385	370
20	381	379	379	379	379	379	382	383	383	382	380	382	376	358	318	315	334	353	373	387	388	380	371	371	371
21	361	360	368	370	373	376	376	379	374	371	371	373	368	363	349	340	334	341	355	370	385	389	385	385	367
22	382	373	371	368	364	365	365	370	368	371	373	373	368	358	345	332	334	360	360	373	380	377	375	375	366
23 Q	373	376	377	377	375	375	375	377	380	377	378	377	368	353	335	334	340	355	366	379	380	373	373	377	369
24	375	377	376	375	375	374	377	379	380	379	378	375	369	356	346	345	356	371	381	388	388	377	373	375	373
25	376	378	374	374	377	378	382	380	380	380	379	377	373	360	341	339	346	359	366	370	393	397	383	379	373
26	374	371	374	375	378	379	380	380	380	379	377	370	361	349	339	336	348	364	378	383	384	385	378	377	371
27	380	375	380	378	377	379	387	392	388	384	375	373	364	351	345	351	350	356	366	382	392	389	377	372	373
28	364	370	371	377	370	370	369	368	374	373	372	368	356	341	336	337	340	349	361	373	383	375	382	379	365
29	379	375	378	382	380	377	379	380	377	377	375	373	365	353	339	330	348	368	380	390	392	385	385	374	373
30 D	379	360	349	368	363	370	373	378	368	359	359	356	345	334	316	327	348	371	368	418	396	379	374	373	364
31	366	365	363	377	359	361	365	358	355	354	358	354	343	329	319	316	332	352	377	386	370	373	368	366	356
Mean	376	374	373	374	372	372	373	374	373	372	372	370	363	352	338	335	345	359	373	386	388	384	380	378	369

MAGNETIC DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30. Agincourt. (D.) West. 7° + . . . ′ August, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	34.0	26.4	33.5	31.4	32.7	37.8	45.1	37.2	34.5	33.8	32.9	30.8	29.0	29.3	31.6	35.5	40.3	43.0	44.0	45.1	41.8	39.1	36.7	34.9	35.8
2	33.0	33.5	35.5	35.1	35.5	37.5	37.5	35.6	35.6	34.3	31.1	28.2	27.5	26.9	31.0	34.9	42.6	44.8	42.8	41.7	41.1	38.5	38.1	38.0	35.8
3	36.7	36.3	36.5	37.2	36.2	36.2	35.5	35.5	34.6	33.7	31.8	28.5	26.4	26.4	29.2	37.7	41.7	42.8	43.7	44.2	40.6	37.7	37.3	36.8	36.0
4	36.3	35.5	35.5	35.5	32.1	32.8	35.5	35.9	35.4	34.7	34.7	29.8	27.8	28.1	31.3	36.4	40.6	43.0	44.9	44.5	42.1	39.9	37.7	37.2	36.2
5 D	37.2	37.2	37.0	36.9	37.3	36.7	36.3	35.5	34.5	34.0	31.1	30.8	27.4	26.2	30.2	35.4	37.5	42.0	45.7	45.5	41.9	40.5	39.2	38.4	36.5
6 D	38.0	34.2	34.6	32.4	31.9	30.8	40.2	37.4	37.5	36.5	34.9	34.5	33.0	31.0	33.6	34.5	37.3	41.2	42.6	42.1	41.5	39.6	38.1	36.9	36.5
7 Q	37.0	37.0	37.1	36.8	36.9	36.5	35.6	35.5	35.1	34.1	33.1	31.6	30.1	30.3	32.5	37.4	40.9	43.0	43.9	42.8	40.6	39.9	37.7	36.7	36.7
8 D	36.7	37.4	37.4	37.3	35.8	36.8	35.8	33.8	33.7	33.1	30.9	28.4	26.2	26.7	33.3	37.1	39.9	43.3	47.1	43.8	43.7	41.0	39.1	37.9	36.5
9	38.2	36.6	34.2	42.9	35.3	31.7	33.5	34.2	34.5	34.3	33.4	33.7	31.7	30.5	32.7	37.5	40.9	41.9	43.8	44.5	44.2	41.5	39.0	33.9	36.8
10 D	37.7	37.5	36.4	33.6	32.5	33.5	32.1	41.0	38.1	31.6	29.9	28.4	29.8	30.3	32.3	34.2	38.9	40.9	42.1	41.9	40.6	38.0	37.8	37.3	35.6
11 Q	36.8	37.4	37.4	37.5	36.6	36.0	35.7	36.0	34.7	35.4	34.7	32.8	32.0	31.4	33.7	38.1	39.5	39.9	40.1	39.7	38.1	37.8	37.5	36.7	36.5
12	36.3	36.8	35.8	36.6	36.3	36.3	35.6	34.4	34.0	33.5	31.7	30.3	29.0	27.7	29.3	35.6	40.4	42.6	41.0	41.0	40.9	41.4	38.9	36.5	35.9
13	38.3	37.3	36.7	33.8	36.5	34.8	33.1	30.2	32.1	29.8	29.4	26.9	27.0	29.9	33.6	38.7	41.9	43.8	43.6	42.6	40.9	39.6	38.1	37.0	35.5
14	37.1	37.6	37.5	36.7	36.5	35.9	35.3	34.9	33.9	33.1	32.0	30.1	29.7	30.5	32.9	37.0	41.7	44.0	43.5	40.3	38.0	35.9	35.5	35.1	36.0
15	35.1	35.7	36.0	36.0	35.1	32.0	29.9	34.2	38.4	33.8	30.1	27.1	26.5	26.6	31.9	36.1	40.0	42.0	42.8	41.5	39.5	37.2	36.3	35.2	35.0
16	34.1	32.7	35.9	35.8	35.9	35.6	36.8	35.9	35.0	34.1	33.2	30.8	29.9	29.6	32.0	36.0	38.9	42.8	43.9	43.0	41.9	38.3	35.3	34.5	35.9
17	35.2	35.0	34.1	33.9	35.7	36.5	36.6	36.1	35.6	34.9	33.3	31.3	30.9	30.0	33.6	38.1	43.2	45.9	46.0	44.5	40.9	37.8	35.7	34.4	36.6
18 Q	33.5	34.5	35.4	35.9	35.6	36.6	36.0	35.9	35.2	34.6	33.7	30.0	28.6	31.1	36.6	41.0	43.6	44.0	43.1	41.0	38.3	36.5	36.0	36.3	36.4
19 Q	36.2	37.1	36.8	36.5	36.0	35.6	35.3	34.6	34.1	33.5	31.9	29.0	27.6	27.2	30.8	35.1	41.0	43.0	43.6	43.0	41.1	39.1	37.0	35.4	35.9
20	35.7	36.6	36.1	36.1	35.1	35.1	35.1	34.8	34.9	35.0	33.8	29.1	27.0	26.7	30.0	37.2	42.1	44.9	45.1	43.6	42.1	39.6	36.7	35.8	36.2
21	35.3	33.8	35.6	36.2	35.9	35.7	35.1	36.8	36.0	33.2	32.8	33.1	29.1	28.2	31.9	34.6	37.8	40.7	43.6	43.8	41.1	38.8	36.7	35.3	35.9
22	35.1	35.0	36.2	36.1	35.1	34.9	38.7	33.1	33.6	33.4	31.7	30.1	31.6	32.0	35.1	38.1	40.8	43.3	45.1	44.9	41.8	39.7	37.5	36.6	36.6
23 Q	36.6	36.1	36.4	36.4	36.2	36.1	36.0	35.2	35.0	34.0	33.1	29.7	27.8	28.6	32.1	35.8	39.8	41.8	43.5	42.9	40.6	38.7	37.3	36.1	36.1
24	36.6	36.4	36.1	36.6	36.0	35.6	35.3	35.1	34.0	33.1	30.6	29.9	29.9	32.6	35.3	38.6	42.8	44.6	44.5	43.0	40.3	38.0	37.0	36.1	36.6
25	36.3	35.9	36.3	36.0	35.6	35.8	35.3	34.8	34.1	33.4	31.9	29.5	28.0	28.8	34.1	39.0	43.0	44.0	48.5	45.0	42.0	38.7	37.1	37.1	36.7
26	38.3	38.3	37.0	37.0	35.9	35.8	35.0	34.5	34.0	33.3	31.7	30.0	29.2	30.3	35.0	40.0	44.6	45.7	44.5	43.0	39.9	38.0	36.4	37.0	36.8
27	37.0	36.5	36.4	36.6	36.1	35.1	34.6	32.9	31.7	33.1	33.0	32.2	29.8	33.1	35.5	42.0	44.5	46.1	46.6	44.2	41.6	38.0	35.4	34.9	37.0
28	36.1	37.1	36.2	37.0	38.3	33.0	33.6	40.0	36.7	32.8	31.6	29.0	27.1	28.1	30.8	35.5	39.9	43.6	44.7	43.3	40.9	37.1	35.3	35.8	36.0
29	35.9	35.2	35.9	36.1	35.4	35.4	35.5	35.7	34.6	34.3	33.1	31.0	29.9	31.0	34.3	39.0	43.1	46.1	46.4	43.6	41.1	39.2	37.1	33.1	36.8
30 D	35.1	38.0	34.8	20.9	33.1	36.2	34.7	33.5	32.6	34.4	33.2	30.6	29.7	28.7	31.4	39.6	43.3	43.7	46.0	45.1	42.2	36.2	36.8	38.3	35.8
31	37.1	38.4	38.1	43.6	39.1	36.2	36.7	36.1	34.7	33.6	31.9	27.9	25.6	25.7	31.6	37.5	41.6	43.0	43.7	42.3	39.9	37.6	36.7	36.8	36.5
Mean	36.2	35.9	36.1	35.8	35.6	35.3	35.7	35.4	34.8	33.8	32.3	30.2	28.9	29.2	32.6	37.2	41.1	43.3	44.2	43.1	41.0	38.7	37.1	36.2	36.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 31. Agincourt. (Z) 56,000 γ + August, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	661	650	640	647	647	646	623	632	645	647	651	651	653	653	653	651	653	654	653	656	656	654	656	656	649
2	656	656	653	652	651	644	645	647	650	651	651	652	652	653	653	647	646	641	641	647	650	658	657	653	650
3	650	651	653	652	650	646	649	649	652	651	652	655	654	652	650	646	641	640	643	645	650	657	657	657	650
4	656	657	656	645	637	646	652	652	652	651	650	651	652	652	650	646	644	646	646	646	649	651	653	652	651
5 D	651	652	655	653	653	650	650	651	651	651	651	652	649	649	649	649	646	644	646	656	670	674	672	674	654
6 D	674	672	646	650	652	636	609	641	649	651	652	650	649	649	649	651	649	644	645	647	652	653	655	652	649
7 Q	653	651	654	651	650	648	649	649	649	649	651	649	649	649	649	645	647	644	644	647	651	649	651	653	649
8 D	651	651	651	651	651	652	651	649	651	651	653	655	651	651	651	648	648	645	645	651	662	669	661	655	652
9	654	655	655	636	628	645	648	648	651	651	648	645	643	644	648	648	648	648	651	657	660	663	665	666	650
10 D	662	662	666	663	657	649	648	634	621	637	645	649	650	649	648	645	645	647	648	649	651	655	655	654	649
11 Q	653	653	656	655	655	652	650	649	650	654	654	654	653	650	654	653	647	645	647	650	650	653	653	653	652
12	654	653	653	653	653	653	653	652	652	650	651	650	648	644	644	646	649	644	644	647	649	650	654	655	650
13	654	650	653	653	651	651	650	639	638	644	650	650	650	649	655	653	653	653	655	658	660	659	655	656	651
14	654	653	653	652	652	650	650	650	652	650	652	652	652	653	654	649	646	648	652	652	655	657	657	653	652
15	652	652	653	651	652	646	637	642	645	646	651	649	652	648	652	647	647	646	647	649	652	657	654	653	649
16	654	653	654	654	653	653	652	649	652	652	654	653	653	653	649	647	646	648	652	655	660	658	659	657	653
17	656	655	656	655	657	654	654	653	655	654	657	658	658	656	650	649	649	649	652	653	655	657	658	654	654
18 Q	654	653	653	652	648	651	651	652	652	652	652	652	653	649	645	642	642	642	647	649	652	653	652	648	650
19 Q	650	649	650	650	648	648	648	650	648	648	649	650	651	650	648	645	643	644	648	651	653	654	654	653	649
20	651	652	651	651	653	651	651	650	652	651	649	648	651	651	648	645	644	648	652	653	659	665	668	663	652
21	663	660	659	657	654	653	653	648	645	646	651	651	648	647	637	638	636	636	640	645	648	651	648	646	648
22	646	644	645	644	646	643	637	630	636	639	641	641	641	641	642	643	639	639	643	648	651	652	649	646	643
23 Q	645	644	644	643	644	641	642	642	641	641	644	647	647	650	648	647	643	641	644	644	644	647	651	650	645
24	649	647	647	647	646	645	646	647	648	647	647	646	646	645	641	643	642	635	638	644	645	647	647	643	644
25	645	647	649	646	647	643	644	644	643	644	644	647	644	641	638	637	635	638	645	650	648	653	652	650	645
26	650	649	646	643	646	644	649	645	646	645	646	643	642	636	633	627	625	628	636	639	644	645	644	643	642
27	644	644	646	645	646	646	644	643	640	642	643	640	638	633	628	627	628	628	635	644	650	650	651	648	641
28	649	648	649	644	626	629	634	632	635	641	644	644	645	643	648	647	649	650	654	656	657	658	658	654	646
29	653	650	650	649	648	648	648	645	646	646	650	650	650	648	633	630	629	633	639	642	645	647	650	650	645
30 D	649	661	672	632	650	657	654	650	648	645	645	645	643	641	636	640	641	642	642	656	669	662	653	649	649
31	650	648	648	634	628	639	643	645	645	645	645	645	643	642	639	637	639	638	639	643	645	645	644	642	642
Mean	653	652	652	649	647	647	646	646	646	649	649	649	649	647	643	644	643	643	646	649	653	655	654	653	649

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 32. Agincourt. August, 1936.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	7° West Maximum +			7° West Minimum +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	1	53	398	15	40	321	77	6	0	50.0	1	50	15.6	34.4	0	10	662	6	40	617	45	375	1
2	21	10	392	15	16	344	48	17	30	45.1	13	35	26.4	18.7	21	40	660	18	20	639	21	193	1
3	21	28	418	14	50	334	84	19	20	45.1	13	40	26.0	19.1	23	30	660	16	30	638	22	254	1
4	21	38	403	15	30	329	74	18	50	45.1	13	50	26.9	18.2	1	30	659	4	0	633	26	262	1
5 D	21	8	406	14	24	315	91	19	0	47.1	13	20	24.7	22.4	22	0	675	17	40	641	34	339	1
6 D	18	56	391	6	12	320	71	6	15	45.6	1	45	25.1	20.5	0	40	682	6	40	599	83	576	1
7 Q	19	4	413	14	30	351	62	18	0	44.7	12	50	29.4	15.3	23	10	654	18	20	642	12	163	0
8 D	20	56	438	15	30	332	106	18	30	48.6	13	10	25.5	23.1	21	10	674	18	20	641	33	351	1
9	19	30	397	15	0	330	67	3	40	53.6	14	10	29.4	24.2	23	20	668	4	8	610	58	433	1
10 D	20	8	392	12	17	329	63	7	50	51.0	11	0	27.4	23.6	2	50	668	8	10	617	51	393	1
11 Q	20	13	384	14	43	340	44	18	30	41.1	13	30	31.2	9.9	3	10	659	17	0	644	15	148	0
12	22	30	404	14	30	327	77	17	30	42.8	14	30	26.3	16.5	23	0	656	18	20	642	14	199	0
13	18	50	392	15	34	325	67	17	45	44.6	11	50	26.0	18.6	21	0	660	8	0	632	28	262	1
14	19	54	408	15	38	331	77	17	28	44.3	12	0	28.3	16.0	21	50	658	15	30	646	12	187	0
15	6	7	392	14	52	335	57	18	10	43.5	12	30	25.6	17.9	21	0	657	6	20	634	23	219	1
16	20	23	385	16	0	329	56	18	14	44.1	13	20	28.7	15.4	20	30	661	15	20	646	15	166	0
17	19	50	385	15	18	320	65	18	0	46.1	13	30	29.1	17.0	21	30	660	17	50	647	13	176	0
18 Q	21	20	380	14	50	324	56	17	30	44.1	12	37	28.3	15.8	0	40	656	16	50	640	16	183	0
19 Q	23	10	389	15	40	316	73	19	0	44.0	13	0	26.1	17.9	22	0	656	16	20	642	14	194	0
20	19	22	393	15	0	304	89	18	0	45.8	12	50	25.6	20.2	22	10	667	16	0	644	23	273	1
21	21	16	390	16	18	331	59	19	0	44.1	12	50	27.1	17.0	0	50	664	16	50	634	30	256	0
22	0	20	383	16	40	331	52	19	0	45.6	11	20	29.0	16.6	20	50	653	7	30	628	25	222	1
23 Q	19	20	384	15	14	332	52	18	52	43.6	12	0	27.3	16.3	22	20	651	17	30	641	10	137	0
24	19	40	393	15	12	343	50	18	0	44.8	12	0	28.9	15.9	7	20	649	16	0	632	17	174	0
25	21	7	407	15	20	337	70	18	26	53.1	12	10	27.3	25.8	22	40	653	17	0	632	21	227	1
26	20	10	389	15	20	334	55	17	0	45.8	12	22	28.5	17.3	0	20	650	16	20	622	28	244	0
27	19	50	404	14	0	336	68	18	0	47.1	13	0	26.9	20.2	21	20	654	13	50	621	33	293	1
28	20	12	387	14	30	334	53	18	10	44.8	13	0	26.5	18.3	22	0	660	4	20	621	39	304	1
29	21	3	404	15	30	329	75	18	0	47.0	12	0	29.3	17.7	23	30	652	16	0	628	24	253	0
30 D	19	36	432	14	40	307	125	18	40	48.0	3	10	11.3	36.7	2	41	684	3	40	620	64	550	1
31	3	44	393	14	52	310	83	4	0	54.0	13	8	23.9	30.1	0	30	651	3	55	616	35	328	1
Mean			397			328	69			46.3			26.4	19.9			660			632	28	269	0.55
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 33. Agincourt. (H.) 15,000 γ + September, 1936.

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		370	373	368	370	371	371	372	365	368	365	365	363	351	341	327	325	340	359	375	390	383	377	375	373	364
2		375	371	360	364	365	369	368	369	368	363	361	354	351	336	324	321	329	339	355	371	378	382	379	375	359
3	Q	374	373	373	373	373	373	373	372	371	370	370	363	346	326	308	303	311	333	351	370	379	382	383	375	359
4		379	379	371	370	374	373	360	365	365	360	365	365	349	329	315	311	307	316	344	366	379	394	383	371	358
5		365	358	354	349	356	353	360	365	365	364	364	362	353	341	334	329	325	335	343	363	382	387	385	379	357
6		375	373	363	359	369	364	363	365	364	364	363	363	356	346	335	324	321	330	348	370	387	390	382	377	360
7	Q	375	375	374	373	374	374	373	373	373	372	370	363	358	353	343	337	336	345	358	371	382	385	378	377	366
8		379	379	380	380	380	377	375	379	374	372	374	371	363	350	334	325	329	346	363	383	388	373	366	371	367
9		366	359	371	368	368	366	364	365	369	369	373	369	358	339	329	337	336	339	346	360	374	372	370	373	360
10		371	371	361	346	346	359	365	365	365	368	364	364	353	334	311	306	319	329	346	358	359	369	364	368	348
11	D	361	363	360	361	358	353	349	358	361	363	357	373	368	340	322	302	307	331	344	359	356	353	358	354	351
12		356	355	354	360	341	348	355	360	361	365	365	363	353	341	326	317	325	339	351	365	373	365	365	360	353
13	Q	359	363	363	358	356	361	368	369	368	368	368	363	350	332	320	315	315	326	346	360	368	364	365	370	353
14		368	365	364	365	360	368	366	368	369	370	369	369	359	345	321	317	339	354	365	373	379	375	370	371	361
15		369	365	368	377	370	373	368	368	369	368	368	365	356	337	329	337	351	363	364	374	373	368	365	360	363
16	Q	365	370	369	370	370	370	370	368	368	365	364	360	353	341	329	325	334	344	353	362	367	368	365	368	359
17		368	369	366	365	366	360	365	369	370	371	373	368	358	343	332	330	337	348	358	370	376	380	388	383	363
18		384	384	383	380	378	373	374	374	380	380	365	368	363	349	335	324	322	336	355	369	375	377	377	372	366
19		373	373	373	373	373	373	373	373	374	374	373	373	368	355	353	349	351	360	370	378	382	380	383	383	371
20		384	380	378	375	373	368	371	373	373	373	373	373	363	350	335	321	335	348	359	375	379	380	377	374	366
21		375	374	374	374	373	376	380	378	378	378	378	379	368	349	332	324	325	339	358	371	377	377	378	373	366
22		378	379	379	378	377	378	377	382	380	383	375	368	359	345	330	324	330	340	350	371	385	389	394	392	369
23	D	385	389	379	368	353	341	322	357	368	364	361	370	358	340	326	323	315	329	344	354	358	364	366	371	355
24		370	368	363	360	360	360	359	356	362	361	361	363	356	350	339	325	335	346	358	365	370	365	365	364	357
25	Q	363	365	368	368	367	368	367	368	368	368	368	363	354	343	329	322	329	341	355	363	366	368	368	378	359
26	D	368	368	363	365	351	340	323	314	312	354	361	348	340	312	326	307	310	325	344	363	364	352	351	346	342
27	D	354	359	359	359	358	359	359	360	370	375	374	365	355	346	334	334	339	348	365	374	374	371	370	366	359
28		368	365	364	364	366	365	365	364	364	363	361	354	353	348	335	331	335	341	350	359	370	368	374	371	358
29	D	363	361	359	358	364	353	349	352	356	356	368	361	348	346	330	326	339	351	356	365	361	370	364	365	359
30		366	365	368	368	368	365	367	366	366	365	363	358	351	340	331	331	334	340	349	354	363	367	358	359	356
31																										
Mean		370	370	368	367	365	364	363	365	367	368	367	365	356	341	329	323	329	340	354	368	373	374	372	371	359

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34. Agincourt. (D.) West. 7° + . . .′ September, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	37.2	37.1	36.4	36.6	36.9	36.2	35.9	34.8	34.4	33.9	32.9	31.2	30.1	31.7	35.8	40.8	44.2	46.1	45.2	43.1	39.7	37.1	36.0	36.6	37.1
2	36.5	36.7	37.2	36.6	37.0	37.1	36.7	35.5	34.4	35.1	32.1	28.7	30.0	28.8	34.2	38.4	43.9	48.1	49.2	48.1	44.1	39.5	37.1	36.2	37.6
3 Q	36.5	36.6	36.5	36.7	36.4	36.1	36.1	35.7	35.2	34.7	33.5	30.5	28.4	28.6	33.2	38.4	45.3	48.1	48.9	46.7	41.9	38.2	36.1	36.2	37.3
4	36.3	36.3	35.8	37.6	37.5	38.0	35.4	35.4	33.4	35.0	31.9	28.1	25.3	26.4	30.1	35.2	41.5	46.0	46.3	45.1	42.7	38.2	35.3	35.3	36.2
5	35.4	34.6	33.8	33.1	33.2	32.6	34.1	35.5	35.6	34.2	33.1	29.5	26.2	25.9	28.6	33.7	38.4	42.8	44.7	44.1	41.6	37.7	35.3	35.4	35.0
6	36.3	36.7	35.4	36.1	35.5	35.5	35.8	35.1	34.7	34.1	33.3	31.6	30.3	30.1	33.1	36.2	40.3	44.5	45.9	44.7	41.7	38.6	37.5	37.5	36.7
7 Q	37.6	37.0	36.5	36.2	36.0	35.6	35.2	34.7	34.5	34.2	32.9	30.3	30.1	30.5	32.1	35.3	38.7	42.2	42.6	41.6	39.5	38.1	37.4	37.7	36.1
8	37.7	36.6	36.5	36.0	35.6	35.1	34.6	35.3	36.2	33.0	29.8	27.6	28.1	29.5	32.1	35.8	41.2	44.0	44.0	42.0	39.2	36.6	36.1	36.0	35.8
9	35.2	33.4	35.2	36.1	36.0	35.0	35.0	39.6	30.9	37.7	30.1	28.6	27.2	30.1	37.8	39.8	41.9	43.2	44.2	42.2	39.2	37.1	36.3	36.3	36.2
10	36.3	36.2	36.5	35.1	35.4	32.2	35.2	34.6	33.6	33.7	35.2	32.8	28.7	30.6	36.3	43.1	46.5	46.0	44.1	41.8	38.8	37.1	36.3	36.5	36.8
11 D	37.2	37.1	33.8	25.1	35.2	31.2	33.6	32.1	32.5	32.2	31.3	30.2	27.6	32.7	38.4	42.9	47.1	49.1	46.6	43.1	39.1	35.8	34.2	34.6	36.4
12	35.8	37.0	36.7	34.1	34.5	35.1	33.6	33.2	33.1	33.7	31.9	31.8	30.3	31.1	34.1	36.8	41.8	44.1	43.4	41.0	38.8	35.8	36.2	36.2	35.8
13 Q	37.1	36.6	35.9	35.6	34.7	35.8	35.7	35.3	35.1	34.6	33.9	31.0	28.7	28.6	31.2	35.6	40.2	44.1	44.8	42.7	40.2	37.7	36.4	36.5	36.2
14	36.8	36.1	35.9	36.1	35.7	35.8	35.2	35.1	34.3	35.3	32.7	31.2	30.2	30.7	33.1	39.2	44.1	45.7	44.1	41.3	38.6	36.6	36.0	36.1	36.5
15	36.0	36.8	37.0	36.6	36.6	35.2	35.6	34.1	33.3	34.1	34.8	35.0	32.8	31.8	35.0	38.6	41.3	42.1	43.4	42.1	39.8	38.4	37.6	38.2	36.9
16 Q	37.1	36.6	36.5	36.6	36.2	35.8	35.2	34.8	34.2	34.0	33.3	31.3	30.2	30.9	34.1	36.5	39.1	40.3	40.9	40.0	38.4	37.3	37.8	38.1	36.0
17	37.1	36.5	36.5	36.5	35.6	34.1	34.1	34.1	33.8	33.7	33.1	31.8	30.5	30.3	32.6	35.7	38.6	41.3	41.9	40.8	38.4	37.1	36.3	37.0	35.7
18	36.3	36.2	36.1	36.0	35.3	34.2	34.2	34.6	35.1	28.0	26.9	28.6	31.6	31.6	34.2	36.3	40.2	42.7	43.3	41.6	40.0	38.6	37.8	37.1	35.7
19	36.2	36.3	36.3	36.3	36.2	35.7	35.6	35.4	35.1	34.5	34.1	33.2	30.9	30.0	32.1	34.6	38.3	40.4	41.7	41.0	39.2	38.1	38.0	37.1	36.1
20	36.5	36.3	36.1	36.2	35.8	34.8	34.4	35.1	34.6	34.4	34.6	33.1	30.8	28.4	30.1	34.1	40.8	44.6	46.1	43.8	40.3	38.2	36.6	36.2	36.3
21	36.4	36.3	36.4	36.2	35.6	35.2	34.9	35.0	34.3	34.1	34.2	30.9	28.4	27.3	35.3	33.3	37.2	39.8	41.6	41.5	39.4	37.9	37.3	37.4	35.7
22	36.6	36.4	36.6	36.3	35.9	36.2	35.2	34.2	32.3	32.8	31.9	31.1	29.2	29.1	30.6	34.7	40.3	44.2	45.3	43.6	41.5	39.2	38.2	38.3	36.2
23 D	37.8	37.0	37.3	35.7	31.5	31.4	39.6	31.3	29.5	30.3	34.3	31.3	29.3	29.8	34.3	36.8	38.7	42.5	42.9	40.8	38.3	36.7	36.7	37.2	35.5
24	37.2	37.8	38.5	38.1	38.3	35.8	34.9	35.9	32.7	31.9	33.0	31.6	30.9	30.4	32.2	35.4	40.2	43.0	42.8	40.1	38.0	37.2	36.6	37.3	36.2
25 Q	37.3	37.2	37.3	37.1	36.7	35.9	35.2	34.8	34.5	34.4	34.2	32.2	30.4	29.3	29.9	33.3	38.3	41.4	41.6	40.2	38.6	37.5	37.3	37.7	35.9
26 D	37.2	36.7	37.2	36.6	37.4	35.8	36.8	30.7	28.2	31.3	31.8	39.2	38.0	40.1	43.5	43.3	46.3	46.2	47.4	44.3	41.8	39.8	40.4	38.7	38.7
27 D	36.7	36.3	37.3	37.1	36.6	36.2	35.5	35.5	34.9	33.7	33.3	32.7	31.3	31.3	33.5	37.6	39.7	41.0	40.3	38.7	37.6	37.1	37.6	38.2	36.2
28	38.2	37.3	37.5	37.5	36.8	36.3	36.1	35.4	34.8	34.0	33.2	31.3	33.3	31.3	32.7	37.7	40.9	43.3	43.5	41.2	39.8	38.5	38.7	37.7	37.0
29 D	38.7	38.9	38.3	36.8	35.8	34.4	35.3	33.2	30.3	32.2	32.3	31.4	34.6	33.9	37.3	38.2	42.3	42.7	42.7	41.4	38.5	36.8	37.4	37.6	36.7
30	37.6	37.5	37.3	37.3	37.0	36.4	36.0	35.4	35.3	34.8	34.7	33.8	32.8	32.9	34.9	37.6	41.4	42.8	42.4	40.8	39.7	38.4	36.9	37.4	37.1
31																									
Mean	36.8	36.6	36.4	36.2	35.9	35.1	35.4	34.7	33.7	33.6	32.8	31.4	30.2	30.4	33.7	37.1	41.2	43.7	44.0	42.3	39.8	37.7	36.9	36.9	36.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 35. Agincourt. (Z.) 56,000 γ + September, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	643	645	644	643	643	640	639	640	642	640	642	642	641	639	636	640	644	643	642	644	645	643	645	644	642
2	647	644	644	645	645	645	642	643	643	642	640	642	640	639	639	639	637	637	639	644	645	645	645	642	642
3 Q	641	641	641	641	640	638	638	638	638	638	639	639	640	638	641	638	637	638	638	647	648	649	645	640	641
4	641	640	638	640	641	632	636	640	641	638	638	641	638	637	633	633	637	638	638	642	647	650	654	650	640
5	649	649	648	644	641	637	641	643	643	642	643	641	642	639	637	636	638	638	641	645	647	647	644	642	642
6	642	644	647	646	641	643	641	640	641	641	640	640	639	638	639	638	637	634	636	638	641	638	637	637	640
7 Q	637	636	636	635	636	635	638	635	636	633	634	634	637	638	635	633	632	632	634	633	635	632	633	632	635
8	636	632	633	633	632	634	637	635	626	625	626	631	632	632	635	635	638	637	636	637	641	637	637	635	634
9	637	637	636	635	635	635	629	622	624	611	605	611	617	623	625	625	626	626	629	637	641	640	637	637	628
10	636	636	636	636	634	635	638	639	637	637	637	626	631	629	626	626	631	635	637	643	647	647	643	643	636
11 D	640	639	640	640	640	628	627	634	639	631	616	611	613	614	616	619	624	628	636	640	645	645	647	646	632
12	645	642	642	628	634	636	637	637	636	636	636	638	638	638	639	636	635	639	640	646	648	652	651	648	640
13 Q	648	646	645	644	642	642	642	643	643	641	642	642	641	640	642	642	641	640	643	647	648	648	646	645	643
14	644	644	643	642	645	646	645	645	642	639	639	642	640	639	642	639	640	645	647	647	649	648	645	645	643
15	645	646	643	637	640	640	642	642	642	642	642	640	637	638	645	642	646	648	650	653	657	655	651	651	645
16 Q	649	648	647	647	646	646	646	646	646	646	648	647	648	649	649	645	644	645	649	650	651	650	648	648	647
17	648	647	648	649	647	646	647	646	646	645	646	645	645	645	644	640	639	640	643	644	644	644	646	646	645
18	646	646	644	644	645	645	645	645	634	623	628	636	635	635	638	639	641	644	645	645	644	644	644	643	641
19	643	643	643	640	639	637	640	638	637	637	637	641	642	634	633	634	632	633	636	641	645	640	647	645	639
20	642	641	640	641	646	641	642	636	638	637	636	639	639	639	636	636	635	637	643	647	643	649	645	644	640
21	643	641	641	642	643	640	642	639	637	634	637	636	633	632	632	634	637	640	643	646	649	641	640	640	639
22	642	642	643	640	638	637	633	630	631	633	637	635	635	634	632	624	627	635	641	643	647	649	643	640	637
23 D	639	639	640	642	632	607	553	521	639	640	642	635	627	617	617	622	626	627	638	642	648	648	644	647	631
24	647	647	644	646	642	646	645	639	632	635	639	643	642	643	639	635	635	641	646	644	643	646	646	646	642
25 Q	644	643	641	643	642	639	640	640	638	638	639	641	647	647	651	648	646	644	641	639	637	635	638	636	642
26 D	642	637	643	644	642	633	602	591	545	582	600	610	598	611	616	635	653	670	673	673	673				629
27 D																645	647	650	652	652	651	647	643	644	
28	648	647	644	644	643	646	646	647	647	646	648	646	646	645	641	646	646	653	657	656	655	653	650	651	648
29 D	653	658	660	660	653	658	663	655	648	644	644	647	632	623	626	633	637	638	648	651	651	643	644	647	647
30	644	645	650	647	645	643	642	642	640	638	638	637	641	640	637	638	641	644	644	644	643	644	644	645	642
31																									
Mean	641	643	643	642	641	639	636	638	636	635	636	636	636	635	635	636	637	640	642	645	647	645	644	643	640

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 36. Agincourt — September, 1936.

Day	Horizontal Force							Declination							Vertical Force							Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	19	44	398	15	0	324	74	17	18	46.1	12	43	28.9	17.2	23	55	649	15	20	634	15	199	0
2	21	52	383	15	27	320	63	18	20	50.4	13	10	27.2	23.2	21	0	648	16	30	637	11	165	0
3 Q	22	30	389	15	23	301	88	18	0	49.2	12	40	27.2	22.0	21	0	649	16	0	636	13	214	0
4	21	17	404	16	40	303	101	17	20	46.6	12	45	23.9	22.7	22	0	654	5	40	625	29	322	1
5	21	8	394	16	8	324	70	18	50	45.5	13	22	25.0	20.5	1	0	649	5	20	634	15	191	1
6	21	3	397	16	17	319	78	18	30	45.8	13	11	29.6	16.2	3	20	650	18	20	634	16	211	0
7 Q	21	30	389	16	10	334	55	18	40	42.7	12	50	29.1	13.6	1	0	637	16	0	630	7	125	0
8	20	50	398	15	52	321	77	17	50	44.4	12	53	26.1	18.3	20	50	642	8	40	620	22	245	1
9	21	8	385	13	40	329	56	7	10	45.7	12	53	25.6	20.1	21	0	643	10	0	603	40	314	1
10	21	30	378	15	10	302	76	16	44	47.5	12	20	27.4	20.1	21	30	648	11	30	624	24	254	1
11 D	11	12	375	16	12	292	83	17	10	52.1	12	22	25.4	26.7	23	40	646	11	20	608	38	344	1
12	20	44	375	15	10	316	59	17	20	44.4	3	20	26.2	18.2	21	50	657	3	40	621	36	297	1
13 Q	23	13	373	16	0	311	62	18	11	45.2	13	11	27.6	17.6	0	10	650	16	50	639	11	158	0
14	20	50	380	15	18	310	70	17	46	46.0	12	30	29.5	16.5	20	0	650	10	10	636	14	188	0
15	3	10	383	14	30	328	55	19	0	43.5	13	0	31.1	12.4	20	50	658	3	30	635	23	216	0
16 Q	3	4	371	15	5	324	47	18	17	40.9	12	40	28.6	12.3	21	0	652	17	0	644	8	122	0
17	21	56	403	15	0	329	74	18	0	41.9	12	20	29.8	12.1	7	0	649	17	0	638	11	171	0
18	9	8	397	15	56	317	80	18	0	44.0	9	56	24.7	19.3	6	40	646	9	30	611	35	328	1
19	22	16	387	15	40	348	39	18	17	42.1	13	25	28.9	13.2	22	50	653	16	10	629	24	242	0
20	0	20	387	15	18	316	71	18	30	46.4	13	40	27.6	18.8	21	50	654	16	30	633	21	348	0
21	22	36	387	15	30	322	65	19	0	42.3	12	42	26.2	16.1	20	30	652	15	0	632	20	464	0
22	22	50	408	15	50	322	86	18	1	45.7	13	24	28.5	17.2	21	50	657	15	20	622	35	377	0
23 D	0	16	396	6	47	307	89	17	33	43.7	13	10	26.8	16.9	22	0	651	6	20	530	21	882	1
24	20	10	375	15	40	324	51	17	48	43.7	13	20	29.9	13.8	1	0	649	9	30	632	17	238	1
25 Q	23	40	384	15	30	321	63	18	7	41.9	13	24	28.5	13.4	15	0	651	22	0	635	16	353	1
26 D	1	10	389	8	40	272	117	18	4	48.5	8	50	23.2	25.3	19	40	683	8	40	486	197	1255	1
27 D	23	4	382	16	3	331	51	16	57	42.2	13	40	29.5	12.7									1
28	22	7	383	14	52	329	54	18	0	44.0	11	38	29.3	14.7	18	40	661	15	0	641	20	202	1
29 D	21	22	375	15	14	319	56	2	44	43.5	8	42	28.5	15.0	6	40	667	14	0	623	44	473	1
30	20	41	371	15	50	325	46	17	54	43.3	12	56	31.3	12.0	2	30	651	15	0	637	14	188	0
31																							
Mean			387			318	69			45.0			27.7	17.3			652			621	31	313	0.50
No. days			30			30	30			30			30	30			29			29	29	29	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 37. Agincourt. (H.) 15,000 γ + October, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	357	354	349	342	344	345	349	351	356	359	360	360	355	347	335	326	326	345	354	360	373	373	365	368	352
2 Q	368	370	369	368	368	368	369	370	370	370	369	365	357	345	331	321	321	333	346	358	364	370	370	373	359
3 Q	372	372	368	365	368	366	368	371	373	373	377	374	370	355	343	334	337	348	355	358	363	369	372	373	363
4	368	368	369	369	369	370	373	373	374	374	374	373	363	351	340	334	337	349	358	368	373	373	375	373	365
5	375	378	371	368	364	363	370	374	381	385	383	379	369	351	334	319	321	339	359	360	363	369	352	348	361
6	346	340	341	339	339	330	339	352	354	359	360	369	356	339	321	305	307	312	322	334	345	356	346	351	340
7	349	359	363	360	363	365	367	369	359	375	369	368	362	346	317	305	301	314	325	351	351	360	363	352	351
8	347	339	335	317	329	336	350	344	359	363	360	359	346	330	307	305	310	319	331	330	350	356	361	360	339
9	361	363	360	355	353	358	359	378	363	368	372	372	364	358	326	311	321	321	327	329	341	348	345	353	350
10 D	343	345	321	337	321	311	288	300	281	275	342	335	341	341	336	317	317	316	324	336	329	345	350	350	325
11	348	353	351	352	354	354	356	358	360	360	360	359	353	344	339	336	334	336	345	353	363	366	366	366	353
12	370	371	370	370	370	373	376	375	375	376	375	370	358	344	337	339	344	352	358	359	360	361	363	363	363
13	363	363	364	364	364	364	365	368	366	364	364	365	359	350	333	325	329	337	348	360	368	368	368	370	358
14	371	370	370	370	370	370	371	373	374	377	374	364	345	325	324	327	332	346	351	353	358	361	369	373	359
15	368	360	342	346	345	348	358	355	354	349	359	356	345	334	326	321	326	334	341	350	358	355	354	361	348
16 D	365	368	364	358	363	363	344	358	355	359	359	358	348	334	321	317	301	297	321	312	324	336	348	324	340
17 D	332	311	271	265	233	181	261	277	306	315	309	355	345	328	323	311	302	302	314	342	349	349	353	357	308
18	355	354	352	351	350	355	350	349	352	351	342	339	338	329	323	319	320	320	323	333	340	345	349	351	341
19	353	353	352	354	355	355	358	358	357	354	352	351	349	347	342	331	324	323	330	345	352	345	354	356	349
20	358	340	340	349	351	351	352	352	353	354	353	350	348	335	317	309	311	324	334	345	350	352	355	355	344
21	356	357	357	357	354	353	354	354	352	353	352	350	344	335	329	326	324	324	333	342	348	357	362	364	347
22 Q	363	362	362	362	361	362	362	363	363	368	365	362	355	345	340	334	329	328	339	349	357	362	364	364	355
23	368	369	366	367	366	364	366	367	367	369	369	367	359	347	330	324	325	331	345	339	350	352	349	339	354
24 D	348	349	348	352	355	362	363	364	364	365	370	370	367	356	338	314	292	288	323	321	339	344	342	348	345
25	347	349	349	351	351	354	352	355	358	355	354	352	350	345	340	330	327	326	330	336	344	351	355	356	347
26	356	357	354	357	357	357	357	358	357	357	355	354	343	337	326	324	316	313	324	343	357	362	362	363	348
27 Q	362	360	360	360	361	362	362	362	363	363	362	358	352	345	339	336	335	340	348	355	358	358	362	366	355
28 Q	368	364	364	364	368	368	367	367	367	362	364	363	353	345	340	333	331	338	343	353	362	367	367	369	357
29	368	369	368	368	368	367	369	369	368	368	368	364	355	343	327	318	328	335	347	359	367	369	364	367	359
30	363	366	364	370	360	359	366	364	364	365	363	362	352	338	333	330	332	337	344	355	363	364	367	369	356
31 D	368	379	378	365	364	369	364	360	355	294	332	309	296	307	301	300	293	295	307	324	336	338	340	338	334
Mean	359	358	354	354	353	351	355	357	357	357	360	358	351	340	329	321	320	326	337	345	353	357	358	358	349

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38. Agincourt. (D.) West $7° + \ldots'$ October, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	36.7	37.0	36.1	34.6	33.9	34.3	34.3	35.4	31.6	30.6	32.8	33.3	32.4	31.6	32.3	34.7	38.4	40.8	42.3	42.9	40.8	39.4	37.4	38.3	35.9
2 Q	38.4	37.6	37.6	37.4	37.4	36.9	36.5	35.9	35.7	35.2	35.0	34.3	32.4	30.8	31.2	33.3	38.3	40.7	41.3	40.9	40.9	40.2	38.9	38.4	36.9
3 Q	37.7	37.0	36.9	36.8	35.8	35.7	35.7	34.3	33.8	34.5	35.3	33.8	31.8	29.8	29.0	32.9	36.3	39.0	40.7	41.2	41.1	40.1	38.3	37.4	36.0
4	37.7	37.4	37.0	36.9	36.6	36.6	36.4	36.3	35.6	35.4	35.3	33.4	31.0	29.7	29.5	31.8	36.6	41.5	43.5	43.4	41.6	39.5	38.6	38.0	36.6
5	37.4	36.8	35.9	36.4	35.3	33.9	34.4	35.3	36.9	34.3	33.6	32.3	31.0	28.6	29.6	34.4	41.1	44.3	44.5	44.3	42.6	41.2	40.3	39.7	36.8
6	38.5	35.6	37.0	33.8	28.9	27.3	31.0	33.6	35.4	38.3	36.5	34.0	28.4	26.3	27.5	33.9	38.8	41.9	43.8	42.8	41.6	39.6	37.4	37.5	35.4
7	35.6	36.4	36.3	36.3	35.3	33.9	32.4	32.4	38.6	35.0	33.3	31.6	28.9	27.1	30.2	34.7	42.0	45.5	46.5	45.3	43.6	39.6	38.6	40.2	36.6
8	36.4	33.3	29.4	30.7	30.6	33.7	32.6	36.7	35.0	34.6	35.9	33.9	30.7	30.5	33.4	37.4	39.3	40.8	43.4	42.0	41.2	40.1	38.8	37.8	35.8
9	37.4	37.5	36.7	33.6	35.3	36.2	35.9	38.6	37.7	33.3	32.8	40.3	40.7	36.8	36.6	38.9	42.6	42.5	42.3	44.4	41.3	39.8	38.9	37.7	38.2
10 D	35.9	34.5	33.6	27.7	32.4	34.4	32.3	25.8	31.7	34.9	35.3	41.9	38.9	38.3	35.8	38.6	40.6	41.6	42.4	42.0	39.6	37.9	37.4	37.4	36.3
11	37.1	37.3	37.8	37.8	37.7	37.7	37.4	36.9	36.5	35.7	35.6	34.5	33.1	31.8	33.5	35.8	37.1	38.5	39.1	38.4	37.5	37.1	38.1	38.4	36.7
12	37.6	37.6	37.5	37.3	37.1	36.8	36.7	35.8	35.9	36.1	35.9	34.1	33.1	32.5	35.5	37.9	39.6	41.1	41.2	40.0	39.5	38.5	38.5	38.0	37.2
13	37.9	37.5	37.2	37.1	37.0	36.6	35.9	35.8	35.5	34.6	34.5	33.5	32.4	30.8	31.9	35.6	38.5	41.5	40.7	38.7	37.4	37.3	37.9	37.7	36.4
14	37.5	37.0	37.3	37.2	36.9	36.6	36.4	36.1	36.0	35.2	34.7	34.0	33.5	35.8	42.0	45.5	47.9	46.9	43.7	40.4	38.0	36.6	36.8	36.8	38.3
15	37.5	38.4	29.4	39.4	35.5	35.4	36.4	33.5	30.9	27.8	29.6	30.5	29.5	30.4	35.4	40.5	41.7	41.9	42.9	40.5	39.0	39.6	38.4	38.4	35.9
16 D	37.7	37.5	37.6	36.6	36.6	35.5	35.1	32.8	31.5	31.5	31.6	30.9	30.8	30.2	35.0	38.7	43.7	47.9	47.5	46.5	45.2	42.7	37.0	38.5	37.4
17 D	39.0	28.7	25.8	29.5	32.7	36.6	33.5	27.6	27.5	38.0	38.9	38.7	30.9	37.6	40.4	40.3	42.5	44.0	44.4	42.5	41.3	39.7	39.4	38.4	36.6
18	38.0	38.1	38.1	38.0	37.7	37.2	37.3	36.3	36.1	34.5	33.5	34.5	31.8	30.9	34.6	38.7	41.8	42.8	42.7	41.5	39.8	38.5	38.0	38.0	37.4
19	38.0	37.9	37.8	37.4	37.0	37.0	36.4	36.5	35.6	35.0	34.4	35.9	35.9	37.1	34.7	34.8	39.8	43.3	43.0	42.0	41.5	39.5	39.4	38.0	37.8
20	37.5	36.1	40.0	34.4	35.5	36.2	36.8	36.4	35.5	35.5	35.7	34.9	32.5	30.9	33.5	35.8	40.9	43.9	45.5	44.4	42.6	40.5	38.9	37.8	37.6
21	37.7	37.6	37.0	36.7	36.1	35.1	34.4	34.5	33.5	33.5	34.7	32.0	31.4	31.4	33.9	38.3	40.5	41.5	41.9	41.5	39.7	38.4	37.5	36.8	36.5
22 Q	36.8	36.7	36.5	36.7	36.4	36.4	36.4	36.3	35.9	35.5	34.8	34.5	33.4	32.1	32.9	34.3	36.7	38.7	39.9	39.7	38.7	38.4	37.7	37.5	36.4
23	36.9	36.5	35.9	35.6	36.7	36.9	36.5	35.8	35.5	34.9	34.4	33.5	31.7	30.7	31.8	36.0	39.8	41.6	41.9	43.5	43.5	41.9	45.1	42.0	37.4
24 D	37.6	37.7	35.1	35.4	30.4	35.1	35.2	36.2	35.4	34.6	39.1	36.3	30.4	34.0	33.6	32.4	39.0	46.9	53.5	48.4	44.6	41.4	39.6	37.3	38.1
25	36.5	36.7	36.5	36.5	37.1	36.4	36.0	35.7	35.3	35.2	35.4	35.2	35.9	33.7	35.3	38.7	39.7	41.5	42.4	41.7	40.5	39.0	38.5	37.9	37.4
26	37.5	37.0	37.1	36.7	37.1	36.8	36.4	36.0	35.4	34.2	32.7	33.4	34.9	34.1	34.4	35.7	38.7	40.8	41.2	39.8	38.3	37.3	37.1	36.8	36.6
27 Q	36.8	36.8	36.7	36.5	36.4	36.4	36.3	35.8	35.5	35.0	34.7	34.2	33.9	33.3	34.4	36.7	38.3	38.7	37.8	37.0	36.3	36.9	37.8	37.4	36.2
28 Q	36.9	36.4	36.6	36.3	36.3	38.2	36.6	35.7	34.3	35.5	35.4	33.2	32.4	31.3	33.6	36.6	38.7	40.5	41.0	39.6	38.0	36.9	36.6	36.6	36.4
29	36.4	36.2	36.0	36.0	35.8	36.3	36.3	35.4	36.3	34.8	33.1	32.4	33.0	33.1	32.8	38.0	41.2	42.2	42.3	40.8	38.9	38.2	38.5	37.9	36.7
30	37.2	37.0	36.2	34.4	36.0	36.3	36.9	36.1	35.3	34.1	34.2	33.4	32.4	31.9	34.1	36.4	38.7	41.2	42.0	40.3	38.4	37.6	37.3	37.2	36.4
31 D	37.0	31.3	28.4	37.1	36.1	35.2	38.7	36.6	21.4	39.0	24.5	42.7	43.9	44.1	44.0	44.0	45.0	45.0	42.7	41.2	39.1	37.5	37.0	36.6	37.8
Mean	37.3	36.5	35.7	35.7	35.7	35.8	35.6	35.1	34.5	34.7	34.3	34.6	33.0	32.5	34.0	36.9	40.1	42.3	42.9	41.9	40.4	39.1	38.4	38.0	36.9

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 39. Agincourt. (Z.) 56,000 γ + October, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	655	655	664	661	657	655	652	646	641	639	645	654	657	656	654	655	654	654	656	656	659	658	659	660	654
2 Q	655	652	652	654	655	657	655	656	654	654	654	657	657	657	651	651	651	652	657	657	657	657	654	656	655
3 Q	655	655	654	655	654	653	651	647	647	645	644	645	651	655	652	648	645	641	640	643	647	648	651	648	649
4	647	648	648	651	649	649	648	647	647	648	649	649	649	647	641	635	629	632	641	647	649	651	651	650	646
5	649	651	652	654	652	652	652	652	649	645	649	654	654	652	646	642	645	653	664	674	672	678	672	671	655
6	674	674	677	674	658	647	647	657	659	655	638	644	654	657	650	649	655	661	668	671	674	675	675	677	660
7	669	662	658	657	656	653	648	649	624	602	629	648	654	660	657	655	657	656	661	666	672	682	677	676	655
8	672	668	656	651	660	623	641	634	643	654	659	658	662	657	654	658	658	654	658	670	663	660	659	659	655
9	656	654	653	655	654	658	655	647	627	638	649	642	635	638	644	648	657	657	668	672	676	676	671	672	654
10 D	665	653	659	615	605	551	580	598	547	530	609	615	630	638	651	658	662	662	665	666	666	667	663	662	630
11	660	660	660	660	661	662	660	660	659	658	660	659	657	657	654	645	648	648	652	651	654	655	655	654	656
12	656	656	656	654	654	653	654	653	654	654	650	647	645	652	654	642	642	648	656	658	657	657	659	658	653
13	657	656	654	654	653	651	651	649	648	648	648	645	644	643	642	647	651	651	653	657	652	651	655	660	651
14	658	657	657	657	655	653	653	652	649	648	646	648	647	642	640	646	647	648	649	654	655	656	656	655	651
15	654	653	659	651	660	657	658	651	642	637	647	650	654	652	647	648	657	662	662	660	666	669	672	671	656
16 D	665	660	660	657	648	634	642	636	638	648	650	656	657	655	653	649	649	665	683	711	696	697	757	751	668
17 D	774	662	644	653	572	500	511	553	585	559	591	614	645	645	647	650	656	662	668	668	667	665	662	662	629
18	661	660	660	659	659	660	657	654	653	648	647	650	650	651	647	648	651	654	659	661	658	658	655	656	655
19	657	657	658	657	656	648	648	651	650	653	653	648	644	642	642	635	636	637	644	652	651	649	653	656	649
20	662	674	673	671	668	666	662	660	659	659	657	658	658	657	651	651	665	668	667	665	663	662	662	663	662
21	662	660	660	659	658	659	656	648	652	654	653	654	657	655	649	647	643	647	651	655	660	659	658	657	655
22 Q	658	657	657	658	658	657	656	657	657	657	656	657	658	658	656	650	649	649	654	656	657	656	656	654	656
23	655	655	655	652	652	652	652	650	650	649	648	646	646	643	637	633	633	637	642	648	660	662	672	674	650
24 D	667	661	659	651	646	647	645	644	641	638	623	605	611	623	630	625	629	644	652	656	659	662	664	662	643
25	657	651	649	650	654	651	653	656	656	655	655	655	651	649	645	652	653	656	656	656	657	658	656	655	653
26	656	656	656	656	656	656	656	656	655	653	651	651	650	651	655	653	654	657	659	663	660	657	654	655	655
27 Q	654	654	654	653	654	654	653	653	652	653	653	653	650	650	646	643	638	637	642	647	645	645	644	645	649
28 Q	645	646	645	645	645	644	645	645	643	643	642	641	641	643	641	637	637	640	644	647	645	641	641	640	643
29	639	639	639	639	637	639	637	637	637	637	638	637	637	637	627	633	633	633	632	631	637	643	634	641	637
30	646	648	650	646	644	646	646	646	644	645	645	645	646	644	643	640	646	646	648	650	647	644	642	644	645
31 D	643	644	639	644	645	642	632	624	609	515	491	545	578	595	629	641	650	654	661	667	660	655	655	652	624
Mean	661	656	653	653	650	643	644	645	642	636	640	643	646	648	646	646	648	651	655	659	660	661	662	662	650

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 40. Agincourt — October, 1936.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	7° Maximum West +			7° Minimum West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	21	50	375	16	0	322	53	19	10	43.4	9	47	29.5	13.9	2	40	666	9	40	636	30	250	1
2 Q	21	30	374	15	40	317	57	18	43	41.4	13	41	30.3	11.1	6	0	658	16	40	649	9	135	0
3 Q	10	30	378	15	40	331	47	20	8	41.5	13	50	28.9	12.6	0	10	657	18	20	638	19	180	0
4	22	50	378	15	43	329	49	18	50	43.9	14	20	28.8	15.1	3	0	652	16	30	628	24	217	0
5	9	15	388	15	42	314	74	18	4	45.1	13	50	27.3	17.8	21	30	684	15	0	643	41	347	1
6	11	28	374	15	37	296	78	18	6	44.4	4	50	24.0	20.4	2	30	683	10	40	632	51	404	1
7	9	10	380	16	0	295	85	18	10	46.9	14	10	24.5	22.4	21	20	687	9	30	592	95	672	1
8	22	40	365	15	0	290	75	18	30	43.6	2	0	26.1	17.5	0	10	677	5	30	586	91	634	1
9	11	0	379	15	40	304	75	11	55	48.1	10	7	31.1	17.0	21	20	688	8	40	612	76	548	1
10 D	1	35	379	9	6	184	195	4	10	49.4	5	15	15.4	34.0	21	20	668	9	0	475	193	1397	2
11	22	30	370	16	27	330	40	18	48	39.7	13	40	28.5	11.2	5	40	663	16	0	643	20	176	0
12	5	56	380	14	44	335	45	18	7	41.5	13	10	32.1	9.4	22	40	660	16	40	641	19	177	0
13	21	20	373	15	30	324	49	17	25	42.2	13	40	29.6	12.6	23	30	662	15	0	640	22	199	0
14	23	45	379	13	55	314	65	16	33	49.4	12	50	30.2	19.2	0	50	659	15	0	637	22	225	1
15	0	2	375	15	40	320	55	3	19	43.9	2	56	17.8	26.1	23	0	677	9	0	629	48	358	1
16 D	5	0	370	17	45	284	86	17	50	50.2	23	3	26.5	23.7	22	40	824	5	0	628	196	1247	1
17 D	11	14	368	5	33	101	267	5	31	51.2	2	33	13.9	37.3	0	10	791	5	30	389	402	2693	2
18	5	16	363	16	50	315	48	18	0	43.0	13	6	29.2	13.8	20	0	664	10	40	641	23	206	1
19	22	16	365	17	0	317	48	17	45	43.9	15	10	30.6	13.3	2	0	660	16	0	635	25	216	1
20	1	55	378	15	20	305	73	2	8	55.7	13	24	29.0	26.7	1	50	703	15	0	647	56	431	1
21	23	23	366	15	43	320	46	18	0	42.2	13	10	30.3	11.9	0	20	665	16	20	642	23	203	0
22 Q	22	50	370	17	25	324	46	19	0	40.7	13	7	31.0	9.7	13	40	659	17	0	648	11	132	0
23	10	5	370	16	37	322	48	22	44	47.5	14	25	28.7	18.8	23	0	678	16	20	631	47	341	1
24 D	11	56	379	17	10	279	100	18	0	57.1	15	12	26.4	30.7	0	10	670	11	40	601	69	549	1
25	8	0	362	17	0	325	37	18	50	42.4	13	40	31.5	10.9	22	0	658	14	30	645	13	131	0
26	21	20	364	17	22	310	54	18	11	41.7	11	20	31.9	9.8	19	50	667	13	0	649	18	185	1
27 Q	23	0	368	16	40	331	37	17	16	39.2	13	12	32.4	6.8	5	20	656	17	30	634	22	182	0
28 Q	5	0	374	16	40	329	45	18	12	41.4	13	12	30.1	11.3	21	0	650	16	30	635	15	154	0
29	21	24	374	15	30	311	63	18	7	42.9	14	38	31.0	11.9	22	0	646	14	30	623	23	222	0
30	23	0	370	16	15	329	41	18	12	42.3	13	3	31.0	11.3	20	0	650	15	20	638	12	131	0
31 D	1	28	396	12	30	260	136	9	30	56.1	10	16	12.2	43.9	19	0	673	9	30	428	245	1603	1
Mean			374			302	72			45.3			27.4	17.9			676			613	63	469	0.65
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 41. Agincourt. (H.) 15,000 γ + November, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	336	335	336	338	338	341	342	345	348	347	345	343	336	328	320	318	318	322	331	341	343	349	350	347	337
2	351	351	351	352	352	355	357	360	360	360	360	355	346	331	319	315	314	325	335	345	354	359	362	360	347
3 D	355	349	338	330	321	319	321	310	304	315	324	342	352	341	319	294	289	296	299	324	360	336	336	331	325
4	326	332	296	307	328	319	312	330	336	341	347	348	335	320	301	297	297	307	320	334	344	352	353	351	326
5	330	321	326	344	350	350	346	345	347	348	356	356	348	332	311	300	295	301	312	326	342	343	348	355	335
6	357	356	355	359	359	364	358	357	355	355	355	360	352	336	324	316	298	304	319	335	343	350	345	346	344
7	350	355	355	357	355	354	352	345	352	351	351	353	348	335	333	328	326	323	334	340	342	349	345	347	345
8	345	345	348	352	351	346	342	350	353	352	353	354	349	334	312	292	289	309	318	334	339	349	336	338	337
9	330	321	321	320	340	342	340	348	351	354	352	351	339	333	324	316	316	326	338	347	350	351	355	362	338
10	366	364	363	355	353	358	360	362	357	360	362	358	357	345	329	326	334	345	350	352	347	347	350	354	352
11 D	356	353	352	359	352	345	336	338	345	350	352	354	328	316	304	304	297	300	315	321	338	336	338	335	334
12	342	338	338	318	325	338	343	345	345	349	347	348	343	331	318	318	319	321	325	331	343	353	357	355	337
13 Q	358	355	353	353	353	355	355	357	358	360	359	357	350	338	323	311	315	323	333	340	349	354	357	356	347
14	350	349	345	352	357	357	359	362	362	363	364	362	351	336	322	312	310	311	332	345	352	359	363	366	348
15 D	364	358	359	360	362	360	358	340	336	347	352	349	346	322	319	342	333	325	324	340	353	338	348	346	345
16 D	350	349	347	353	345	351	353	355	353	350	355	350	333	331	332	323	316	331	328	330	341	347	348	356	343
17	359	358	357	357	355	354	354	353	358	358	357	355	347	338	325	324	321	328	340	348	349	340	345	354	347
18	353	348	357	368	360	358	354	350	350	353	350	349	355	325	309	308	312	326	337	347	350	340	357	353	345
19	354	357	353	362	367	357	353	355	354	358	357	352	339	350	337	317	318	326	342	354	358	366	366	365	351
20	367	357	359	351	356	355	345	348	340	350	355	360	346	341	327	314	318	321	325	337	348	352	354	356	345
21	351	351	347	347	347	347	347	350	351	352	352	352	344	333	336	325	319	317	323	332	337	346	353	352	342
22 Q	355	353	349	346	342	347	346	351	352	351	351	355	350	343	332	321	316	313	323	338	344	351	355	355	343
23 Q	353	352	350	346	350	352	352	355	356	358	358	357	356	347	336	325	321	323	334	345	351	355	357	357	348
24 Q	357	356	353	352	352	354	355	359	361	362	361	359	357	355	351	343	336	332	339	347	356	361	366	365	353
25 Q	367	360	359	358	359	358	361	357	357	357	358	359	357	350	345	340	338	338	343	350	355	360	366	365	355
26	364	362	360	359	360	357	355	358	362	360	359	361	357	350	341	336	333	342	346	352	345	355	357	356	353
27	357	357	354	353	355	355	355	354	355	354	356	357	357	349	333	321	311	317	329	344	353	361	362	362	349
28	364	362	362	361	360	360	360	362	362	363	366	364	362	353	344	338	333	331	343	352	357	362	360	370	356
29 D	329	352	293	265	226	65	92	-123	93	269	320	319	325	326	325	317	318	313	319	323	323	316	318	326	274
30	324	327	326	327	328	328	328	331	330	334	336	333	336	328	321	307	297	306	318	329	337	342	343	344	327
31																									
Mean	351	350	346	346	346	340	340	341	341	350	353	353	347	337	326	318	315	320	330	340	347	349	352	353	341

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42. Agincourt. (D.) West 7° + . . . ′ November, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	37.0	37.2	38.0	37.3	36.9	37.5	37.4	37.3	36.7	35.3	34.5	34.4	33.7	32.8	34.2	35.6	37.0	38.4	39.8	41.0	39.2	38.2	37.2	37.1	36.8
2	36.9	36.4	36.5	36.5	36.7	36.8	36.2	36.1	35.5	34.8	34.4	34.0	33.1	32.0	32.2	36.6	40.0	42.2	42.2	41.1	40.1	38.2	38.2	38.2	36.9
3 D	37.1	36.4	36.3	34.1	25.5	34.1	35.5	29.0	31.7	34.5	34.6	32.6	33.1	35.1	35.5	40.4	43.2	43.9	44.5	45.6	40.9	44.5	41.9	39.6	37.1
4	36.4	33.3	24.1	31.4	34.4	37.0	31.9	35.9	35.4	34.0	33.1	34.2	34.0	31.5	32.9	36.7	40.5	42.0	43.0	42.4	41.4	39.0	37.9	37.5	35.8
5	37.7	35.7	29.2	34.5	37.1	37.9	37.2	37.7	39.8	41.4	34.8	33.1	33.1	32.3	33.7	36.3	39.4	42.1	43.0	42.4	39.8	38.9	38.7	37.5	37.2
6	37.0	36.4	33.6	35.4	36.5	37.5	37.3	36.6	35.9	38.0	38.7	33.6	31.9	32.5	34.3	36.0	39.4	42.3	44.5	42.9	40.5	38.9	38.4	37.1	37.3
7	36.4	35.5	35.9	36.5	36.4	36.6	36.4	35.9	35.5	33.4	33.9	32.6	30.9	32.4	35.6	37.6	41.0	42.6	43.0	42.4	41.5	39.4	39.7	37.6	37.0
8	36.4	35.0	35.5	36.4	36.5	34.5	34.7	35.7	35.4	36.0	35.1	34.0	32.9	31.0	30.7	36.4	42.4	43.5	44.8	44.0	42.4	40.5	39.5	37.7	37.1
9	34.0	33.4	23.4	30.4	38.0	38.9	36.9	38.2	36.3	35.4	35.2	35.2	34.0	34.4	35.0	35.9	38.9	40.5	40.7	39.9	39.5	38.9	38.4	37.5	36.2
10	36.9	36.8	36.5	38.4	38.0	38.4	37.8	36.6	35.6	34.8	34.4	34.3	32.9	32.2	34.3	35.8	37.5	39.6	41.7	42.4	42.7	41.1	39.9	38.4	37.4
11 D	37.0	37.9	37.6	34.7	34.7	35.4	44.7	33.7	31.5	31.4	29.2	30.5	34.9	36.0	39.4	43.5	41.0	44.5	44.2	44.5	44.9	39.1	39.7	37.5	37.8
12	36.0	35.0	34.3	29.1	34.0	35.5	36.1	36.6	36.3	35.6	35.9	35.5	34.3	32.6	34.5	36.7	39.4	41.7	42.7	41.0	39.9	38.9	37.8	37.5	36.5
13 Q	36.7	37.0	36.7	36.9	37.0	37.3	37.4	37.4	36.5	35.9	35.5	34.9	34.0	33.5	33.9	36.4	38.5	40.0	40.5	39.5	38.6	38.4	37.9	37.6	37.0
14	37.5	37.5	36.8	36.8	37.0	37.4	37.3	36.8	36.1	36.9	33.5	32.4	32.9	31.7	33.0	36.0	39.8	43.0	43.7	41.7	39.9	38.8	38.4	38.3	37.2
15 D	37.4	37.0	37.0	36.4	36.3	36.5	36.0	39.4	29.6	30.4	31.0	32.5	33.2	33.2	40.7	42.5	38.7	39.9	41.5	41.7	41.5	40.4	37.8	38.5	37.1
16 D	37.0	36.1	36.4	36.2	39.5	42.5	36.4	34.5	34.2	33.5	33.5	32.7	34.4	36.5	32.8	34.0	38.4	38.5	40.8	42.4	39.5	38.5	34.7	35.5	36.6
17	35.6	35.7	35.5	34.8	35.4	35.7	36.0	32.6	36.0	34.4	34.1	34.3	33.6	32.1	31.9	35.5	38.9	39.5	39.9	39.5	39.4	37.6	36.4	38.0	36.8
18	35.9	35.4	33.0	34.7	34.9	36.4	36.0	44.3	34.4	34.5	33.3	38.5	35.6	35.9	36.9	40.4	42.4	41.5	42.9	42.0	40.9	36.1	37.4	37.6	37.5
19	34.7	34.5	34.5	36.4	39.5	36.0	35.9	38.0	37.7	36.0	33.7	32.8	34.4	33.4	34.1	36.5	38.9	41.1	41.0	40.4	39.5	37.5	36.4	36.1	36.6
20	35.5	35.3	35.2	34.5	36.0	38.4	36.4	34.9	36.3	35.3	31.6	32.4	34.7	35.6	35.3	38.7	34.1	37.1	42.9	41.4	40.5	39.4	37.3	35.9	35.6
21	32.9	35.0	34.5	34.9	35.6	35.9	36.0	36.3	36.2	35.5	34.9	34.2	33.0	33.4	30.9	32.9	35.4	38.0	39.2	39.2	39.0	38.5	37.3	36.2	35.6
22 Q	35.4	35.3	34.6	34.7	34.9	36.3	37.9	37.3	37.1	36.2	36.0	35.3	34.6	34.0	33.3	34.5	37.2	38.7	39.6	40.3	40.0	39.0	37.5	37.0	36.5
23 Q	36.4	36.2	36.1	36.0	37.5	36.8	36.8	37.1	36.9	36.1	35.4	35.3	34.3	32.9	32.6	33.8	36.0	38.9	40.9	40.2	39.2	38.4	38.4	36.6	36.5
24 Q	36.4	35.7	35.8	35.8	36.0	37.0	36.0	36.4	36.2	36.2	35.0	36.0	35.6	34.5	32.9	34.6	37.7	39.1	39.7	40.1	38.9	38.1	36.9	36.0	36.5
25 Q	36.0	35.7	36.3	36.0	36.4	36.5	35.7	35.7	35.7	34.7	34.8	35.2	34.1	33.4	33.2	33.8	35.4	37.6	38.7	38.6	38.1	38.0	37.4	36.8	36.0
26	36.1	36.2	35.5	35.2	35.9	35.1	35.5	35.4	35.4	34.6	34.7	34.7	34.1	33.1	32.5	33.5	38.1	42.1	44.9	42.2	39.0	38.4	37.8	37.1	36.5
27	36.1	35.5	36.1	35.6	35.7	36.1	36.1	36.0	35.5	35.1	34.6	34.2	33.9	32.3	31.5	33.4	35.9	38.5	40.4	40.0	39.4	38.5	37.4	36.8	36.0
28	36.4	35.8	36.0	36.0	36.4	36.1	36.4	36.1	35.6	34.9	34.5	34.4	33.7	32.5	30.8	32.3	35.5	38.5	39.5	39.0	38.4	37.7	37.5	34.3	35.8
29 D	33.5	26.5	35.4	32.0	36.0	32.7	25.6	81.2	24.9	32.9	36.9	39.7	37.2	34.4	34.9	36.4	38.4	40.1	40.5	39.4	39.7	39.0	39.2	37.9	37.3
30	37.0	36.5	36.5	37.0	37.1	37.6	37.6	37.4	37.5	36.9	36.6	36.4	35.4	33.3	32.9	35.5	38.7	39.9	41.0	41.1	40.4	38.7	38.1	37.4	37.3
31																									
Mean	36.2	35.5	34.8	35.1	36.0	36.7	36.2	37.9	35.3	35.1	34.5	34.3	33.9	33.3	33.9	36.5	38.6	40.5	41.7	41.3	40.2	38.9	38.0	37.2	36.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 43. Agincourt. (Z.) 56,000 γ + November, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	635	633	637	647	654	657	659	659	658	658	658	658	658	657	659	659	664	668	668	668	663	661	659	659	657
2	657	656	657	656	653	654	653	653	653	652	652	652	653	652	653	652	653	657	660	664	663	660	659	659	655
3 D	660	660	662	651	632	638	624	623	631	645	622	624	638	637	635	627	638	654	665	683	695	674	681	682	649
4	672	665	675	676	661	635	633	640	643	646	645	647	648	645	639	634	631	628	633	635	639	636	637	639	645
5	646	642	636	642	639	634	631	626	617	610	624	630	632	632	631	628	629	630	637	646	652	655	651	648	635
6	649	648	648	646	645	643	643	642	640	639	633	638	639	638	633	627	628	629	629	630	638	645	647	650	637
7	647	645	641	638	635	634	626	623	629	628	624	623	622	619	613	605	600	623	653	659	653	663	662	658	634
8	653	649	646	645	638	631	628	630	630	628	625	627	628	628	627	622	625	630	630	631	639	647	649	649	635
9	648	650	647	653	646	640	640	626	633	637	639	639	640	634	630	625	629	629	630	631	629	629	629	629	636
10	627	626	626	620	623	626	631	635	638	637	640	639	638	637	635	636	634	629	631	632	636	637	638	637	633
11 D	636	637	639	637	635	638	617	627	631	631	629	627	634	643	644	646	649	670	681	676	671	688	673	662	647
12	655	650	648	646	647	640	635	634	631	629	629	630	634	634	633	632	633	633	633	633	641	644	646	644	638
13 Q	643	644	642	642	642	641	642	640	638	636	636	635	638	638	638	633	631	632	635	640	638	635	635	636	638
14	638	639	638	639	635	634	632	631	630	620	620	624	625	628	628	627	630	632	630	629	628	631	638	642	632
15 D	642	644	645	641	638	637	631	597	622	633	631	630	631	625	628	621	624	630	636	644	647	644	646	649	634
16 D	649	646	645	624	602	601	616	637	641	641	642	643	648	645	637	645	644	647	642	641	643	640	643	648	638
17	651	648	641	636	631	630	635	632	624	630	635	635	632	630	627	625	631	636	638	641	641	643	645	647	636
18	646	648	638	624	632	632	624	604	590	608	615	615	612	621	630	630	627	630	629	636	641	641	643	644	628
19	641	637	632	620	612	621	624	623	630	630	625	624	627	624	619	619	621	624	627	628	637	642	636	635	627
20	631	630	625	624	616	618	624	624	616	611	608	609	614	615	612	620	624	626	631	635	637	637	635	634	623
21	634	632	633	632	633	632	633	632	633	632	630	632	633	634	634	626	625	630	635	639	640	638	638	635	633
22 Q	632	631	630	630	631	631	630	630	631	630	628	629	630	631	632	628	630	630	632	632	631	631	630	627	630
23 Q	624	624	619	620	620	620	618	620	621	620	618	618	619	621	621	621	622	621	624	631	637	637	634	631	623
24 Q	630	627	624	625	625	621	624	623	621	621	620	618	620	624	624	621	624	622	625	631	627	625	621	618	623
25 Q	620	624	624	625	624	622	621	620	620	618	618	620	621	621	619	618	619	623	627	627	626	627	627	625	622
26	624	623	621	621	618	616	618	621	622	620	618	618	617	618	615	611	612	615	627	635	630	630	627	624	621
27	624	627	630	625	622	619	618	618	618	618	618	618	621	624	621	624	628	631	632	632	624	625	630	627	624
28	624	622	621	620	618	618	617	619	619	618	617	618	618	618	615	612	617	615	621	624	624	621	618	617	619
29 D	625	678	644	588	400	418	471	430	441	503	624	640	631	624	627	636	638	635	641	644	645	641	637	636	604
30	632	635	635	636	635	634	633	631	631	630	627	630	632	635	635	638	645	648	650	645	638	633	635	638	636
31																									
Mean	640	640	638	634	629	627	624	624	624	625	628	630	631	631	629	628	630	633	637	640	642	642	642	641	633

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 44. Agincourt — November, 1936.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	21	42	352	16	30	318	34	19	0	41.8	13	17	31.5	10.3	19	10	671	1	30	631	40	282	0
2	22	6	365	16	0	311	54	17	33	42.7	14	25	26.4	16.3	19	30	665	9	40	650	15	168	0
3 D	20	18	388	16	30	285	103	21	18	46.2	4	10	21.2	25.0	20	20	723	11	20	605	118	831	1
4	21	28	358	2	50	269	89	18	47	43.4	2	55	17.2	26.2	2	50	688	18	0	628	60	484	1
5	11	0	360	16	30	293	67	9	11	45.0	2	31	23.9	21.1	20	50	659	9	20	600	59	439	1
6	5	10	367	16	20	274	93	18	14	44.7	2	50	29.7	15.0	23	0	652	16	20	622	30	314	0
7	21	20	364	17	40	319	45	17	50	43.7	12	52	29.0	14.7	21	50	665	16	40	594	71	473	0
8	8	40	355	10	10	277	78	18	20	45.5	14	34	29.4	16.1	0	10	658	15	0	620	38	336	1
9	23	59	367	2	54	303	64	5	10	41.1	3	0	18.7	22.4	3	30	670	15	10	624	46	364	1
10	7	14	369	15	32	323	46	20	10	44.3	13	20	30.6	13.7	11	0	640	4	0	613	27	225	0
11 D	3	30	363	17	20	284	79	6	27	49.0	11	23	28.3	20.7	21	30	711	6	40	595	116	782	1
12	22	40	360	3	50	299	61	18	0	43.0	4	0	24.6	18.4	0	10	659	10	30	629	30	265	1
13 Q	9	25	360	15	40	310	50	18	0	40.4	14	28	33.2	7.2	1	0	645	17	0	630	15	164	0
14	10	7	368	16	50	300	68	17	52	43.9	13	40	30.9	13.0	23	30	642	9	50	614	28	264	0
15 D	4	30	365	13	43	302	63	15	2	46.0	8	20	25.5	20.5	23	0	650	7	50	565	85	586	1
16 D	23	50	363	16	17	309	54	5	25	46.4	15	6	29.7	16.7	23	30	650	5	30	590	60	424	1
17	8	14	363	16	26	319	44	17	18	41.5	13	33	30.3	11.2	0	30	656	8	30	618	38	285	1
18	3	0	379	14	50	299	80	7	35	48.7	2	55	26.5	22.2	1	20	649	8	40	585	64	487	1
19	4	0	382	15	50	312	70	4	17	44.1	13	0	32.2	11.9	21	0	645	4	0	599	46	368	1
20	0	10	367	16	0	308	59	18	0	43.4	10	7	30.0	13.4	19	40	638	9	30	603	35	288	1
21	23	15	356	17	10	313	43	19	4	39.5	14	30	30.3	9.2	20	0	641	16	30	624	17	163	0
22 Q	22	50	355	17	20	313	42	19	50	40.3	14	20	32.3	8.0	19	0	635	23	50	624	11	129	0
23 Q	23	0	359	16	10	320	39	19	0	40.7	14	42	32.2	8.5	21	0	638	11	20	618	20	179	0
24 Q	23	0	366	17	21	327	39	19	23	41.2	14	40	32.1	9.1	19	40	634	11	0	618	16	150	0
25 Q	22	50	367	15	54	336	31	19	0	38.7	14	50	31.7	7.0	19	6	628	10	0	617	11	109	0
26	1	0	365	16	20	328	37	18	0	46.4	14	10	31.3	15.1	19	30	637	16	0	608	29	228	0
27	22	46	363	16	52	301	62	18	31	41.1	14	30	31.0	10.1	18	0	637	7	0	615	22	220	0
28	23	30	416	17	20	326	90	18	0	39.5	23	58	28.5	11.0	0	2	625	15	30	609	16	230	0
29 D	1	30	386	7	40	-150	536	7	30	119.2	4	10	-1.7	120.9	1	30	720	4	30	254	466	3488	2
30	23	10	347	16	31	286	61	19	10	41.7	14	10	31.2	10.5	18	0	653	11	0	625	28	253	1
31																							
Mean			366			290	76			45.8			27.6	18.2			656			601	55	433	0.53
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 45. Agincourt. (H.) 15,000 γ + December, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	341	336	334	333	333	336	335	325	332	342	345	341	337	328	322	313	301	306	313	326	333	342	344	349	331
2	350	347	345	352	352	347	346	343	343	351	362	357	354	342	327	312	306	317	328	342	345	346	343	345	342
3	347	347	342	333	328	331	333	338	336	341	350	352	342	332	319	310	304	309	317	323	349	347	350	346	335
4 D	340	346	341	338	348	350	350	351	349	355	357	355	350	345	340	316	311	317	323	333	342	348	355	356	343
5	347	352	355	352	354	351	353	353	353	352	351	352	348	343	334	328	320	327	332	329	340	353	343	354	346
6	354	354	358	358	353	354	356	354	354	356	354	353	351	352	345	326	321	324	327	334	343	351	359	360	348
7	361	357	354	355	355	354	353	353	355	356	356	358	354	349	339	327	313	319	317	323	336	349	353	354	346
8	358	357	354	357	354	355	354	354	354	354	354	355	354	354	351	344	337	337	338	343	341	350	355	357	351
9 Q	358	358	357	356	355	354	355	356	356	356	358	356	355	353	342	345	337	334	335	339	346	353	357	360	352
10 Q	361	360	360	358	358	358	357	358	358	361	358	357	353	351	349	347	343	339	343	348	350	353	356	357	354
11	352	356	357	357	356	352	356	352	349	354	356	358	358	352	347	341	335	334	341	348	351	355	358	357	352
12 D	354	352	348	352	354	356	357	354	358	356	353	364	368	376	366	355	349	354	358	363	366	370	368	370	359
13 D	366	366	366	356	349	353	363	358	358	361	356	361	358	355	353	348	340	337	344	349	356	359	353	363	355
14	366	363	361	358	358	345	353	355	356	363	364	360	358	353	337	342	338	334	344	349	349	356	362	363	354
15	361	360	359	359	358	356	356	356	354	355	359	358	356	355	357	343	332	332	338	349	361	366	366	366	355
16	365	363	363	361	358	361	363	364	366	371	370	371	369	366	359	347	341	345	352	353	358	358	363	365	360
17	363	362	363	359	359	357	358	358	361	360	361	365	365	359	350	344	337	340	341	344	353	357	360	355	355
18	349	355	353	357	358	355	356	359	358	358	358	358	355	349	346	338	322	321	329	339	349	358	358	358	350
19 Q	358	358	357	356	357	358	361	363	363	361	361	361	360	354	339	329	322	322	334	344	354	363	366	366	353
20	362	362	358	358	358	364	363	363	363	363	361	366	364	362	354	336	329	326	332	346	353	353	357	349	354
21	348	348	344	343	348	349	352	351	354	356	357	367	365	354	333	323	323	329	335	349	354	362	363	363	349
22 Q	363	363	358	358	356	357	358	358	358	359	357	358	357	348	341	325	317	328	337	344	357	363	361	358	352
23	358	361	353	356	358	361	357	356	354	347	359	358	356	353	344	328	311	315	322	333	341	349	353	348	347
24 Q	351	354	353	349	347	343	350	353	355	356	356	356	356	353	352	343	333	328	328	333	341	348	356	356	348
25	356	356	356	356	357	361	362	356	362	362	361	358	358	363	365	353	341	334	339	343	352	357	362	363	355
26	366	366	367	363	359	359	362	366	368	368	368	367	368	367	362	344	329	324	332	343	355	363	369	367	358
27 D	366	363	362	368	361	367	350	345	349	356	363	368	367	370	314	323	314	308	312	322	339	339	334	335	346
28 D	323	309	296	289	276	255	260	246	284	308	264	266	282	283	302	285	274	297	298	302	314	325	327	321	291
29	321	322	319	318	319	334	330	331	338	333	338	337	337	337	327	310	298	299	298	304	315	329	334	337	323
30	338	337	336	338	338	338	342	342	345	347	348	346	343	338	324	307	299	299	307	318	324	339	342	341	332
31	344	344	344	349	348	348	349	352	354	353	349	348	348	343	330	311	298	301	316	335	354	360	354	354	341
Mean	354	353	351	350	349	349	350	349	352	354	354	354	354	350	341	331	322	324	330	337	346	353	354	355	346

MAGNETIC DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46. Agincourt. (D.) West 7° + . . . ′ December, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	37.5	36.5	37.3	36.7	37.2	36.3	40.4	42.4	40.6	35.0	34.1	35.4	35.1	35.8	36.6	37.8	40.6	42.5	43.6	43.2	41.0	39.6	38.9	37.2	38.4
2	37.1	36.2	35.4	34.2	37.8	37.1	37.4	38.3	41.5	37.1	34.0	33.4	33.0	31.5	31.6	34.2	38.0	40.9	41.8	42.1	41.0	40.4	39.7	37.3	37.1
3	36.9	36.1	35.4	36.1	36.3	34.1	36.4	37.6	37.6	39.1	35.5	34.9	33.2	32.3	34.6	37.5	38.8	40.6	42.5	43.0	41.7	40.1	38.3	38.3	37.4
4 D	37.9	36.4	35.4	32.2	33.4	36.2	36.2	36.6	34.2	35.5	34.9	33.0	35.4	36.9	33.1	32.5	36.1	39.1	40.5	41.0	41.4	39.8	38.6	38.3	36.4
5	37.3	32.3	36.3	35.5	34.7	35.6	36.6	36.3	36.1	35.7	36.1	34.8	34.6	32.4	33.7	35.1	36.4	37.8	39.1	40.5	40.2	39.8	40.5	38.5	36.5
6	36.5	36.1	35.3	34.8	35.6	36.4	36.5	36.2	36.1	35.4	34.8	35.7	35.4	34.6	36.1	37.6	39.2	40.7	42.2	43.8	43.5	41.3	39.7	39.3	37.6
7	37.5	36.5	36.3	35.4	3 .2	36.1	36.3	35.6	36.0	35.6	35.2	34.6	34.3	33.4	32.1	33.5	37.6	42.0	43.1	43.1	42.0	39.2	38.2	37.1	37.0
8	36.2	35.6	33.8	34.5	36.5	36.1	36.5	36.5	35.8	36.5	36.1	35.8	35.0	34.1	33.1	33.3	35.6	37.5	38.1	38.8	40.1	38.5	37.6	36.9	36.2
9 Q	36.5	36.0	35.9	35.9	36.1	36.2	36.3	36.5	35.9	35.8	35.0	35.0	34.5	33.7	33.5	33.4	36.0	38.6	40.7	39.6	39.1	38.8	38.0	37.1	36.5
10 Q	36.7	36.5	36.1	35.7	34.4	35.5	35.4	36.3	35.9	35.4	35.3	34.5	34.5	34.1	33.5	34.5	36.3	38.8	39.4	38.6	38.0	37.1	36.4	36.2	36.0
11	35.8	35.7	35.1	35.7	36.3	36.2	35.7	36.6	36.0	33.6	35.6	33.1	33.0	33.7	34.5	34.5	35.6	37.5	38.4	38.7	38.6	37.9	37.0	36.6	35.9
12 D	35.8	35.5	36.2	35.1	35.4	35.3	35.9	35.5	36.1	34.1	35.2	35.3	33.5	30.1	32.2	33.1	36.0	37.3	38.4	38.5	37.6	37.1	36.6	36.5	35.5
13 D	35.7	34.8	34.7	35.0	33.6	34.1	35.1	34.6	34.1	34.0	34.2	33.9	33.2	32.2	33.0	34.0	36.3	37.5	39.3	38.7	38.7	39.4	37.3	36.2	35.4
14	35.8	34.6	34.4	34.3	33.6	33.3	34.7	35.5	35.6	36.3	33.8	34.5	34.3	33.2	32.6	32.5	35.7	37.9	39.1	38.6	37.8	37.5	36.5	36.3	35.4
15	36.0	35.4	35.4	35.3	35.4	35.6	35.8	36.6	34.7	34.6	34.4	33.3	34.6	33.3	32.8	34.1	36.1	38.1	39.1	39.4	38.7	37.3	36.5	35.8	35.8
16	35.3	35.0	35.2	35.3	35.3	35.5	36.3	36.5	36.0	36.0	35.4	34.7	35.0	33.0	32.0	32.3	36.3	38.4	39.4	39.5	38.7	38.6	37.3	36.3	36.0
17	35.5	34.6	34.6	35.0	35.2	35.3	35.9	35.9	35.6	35.4	34.3	33.9	33.5	33.0	33.5	33.5	35.3	37.6	39.3	39.3	37.6	36.8	36.5	36.5	35.6
18	35.5	35.1	35.1	35.2	35.5	35.8	36.3	36.5	37.1	35.3	35.1	34.0	33.6	34.6	33.5	32.7	36.5	39.5	41.1	40.9	39.5	37.6	36.5	35.7	36.2
19 Q	35.6	34.9	34.9	34.9	35.5	35.9	36.0	36.4	36.0	35.6	35.0	33.8	33.6	32.6	31.8	33.6	37.7	39.9	41.1	40.4	39.0	37.9	36.1	35.8	36.0
20	35.6	35.2	34.9	35.4	35.7	35.1	35.6	35.9	35.7	35.5	36.0	34.6	34.0	33.1	33.4	33.9	36.0	38.7	40.5	40.1	38.6	38.5	36.7	36.5	36.0
21	35.7	34.9	33.8	34.5	34.6	35.8	35.0	34.6	34.7	34.5	34.5	34.6	34.7	32.7	32.6	35.5	37.9	41.6	40.8	38.8	38.6	38.4	37.6	36.9	36.0
22 Q	36.0	35.0	34.6	34.0	34.2	34.7	34.8	34.8	34.8	34.7	34.6	34.6	34.0	33.1	32.5	34.0	36.5	39.0	39.8	39.0	38.6	37.7	36.8	36.5	35.6
23	36.1	35.7	34.9	34.6	34.0	34.7	34.6	35.6	34.1	36.7	35.7	34.6	33.8	32.6	30.8	31.5	35.5	38.0	39.9	40.6	39.6	39.7	39.5	38.1	35.9
24 Q	36.5	35.1	34.7	34.6	34.2	34.0	34.8	35.0	35.0	34.9	35.0	34.9	34.6	33.6	33.4	33.8	34.8	38.6	38.0	37.9	37.7	37.6	36.5	35.9	35.5
25	36.0	35.6	35.9	36.0	35.3	35.8	35.1	35.6	35.6	35.1	34.9	34.6	34.0	33.7	33.8	34.0	35.7	37.5	38.5	38.0	38.4	37.8	36.7	36.5	35.8
26	35.7	35.0	34.6	34.8	34.9	35.7	35.6	35.8	35.6	34.8	34.7	34.2	34.1	33.2	31.5	31.2	34.7	37.5	39.1	39.4	39.1	38.0	36.8	36.3	35.5
27 D	36.0	35.6	35.6	36.2	36.5	32.4	34.3	31.7	32.7	35.4	36.7	36.4	32.9	31.2	32.8	31.4	34.8	37.8	40.8	42.0	43.7	44.6	42.6	40.9	36.5
28 D	38.8	34.2	33.5	31.1	22.8	19.1	33.7	36.5	32.0	38.5	54.1	50.5	46.5	43.6	47.0	40.6	38.6	40.3	40.1	40.1	40.1	38.5	37.5	37.2	38.1
29	37.5	37.6	37.7	37.7	37.4	37.6	38.1	38.9	37.5	35.8	35.9	36.5	36.6	35.5	34.8	34.9	37.5	37.7	38.8	40.6	39.3	38.0	37.6	36.7	37.3
30	36.1	35.9	35.9	35.8	36.6	37.1	36.9	37.5	37.3	36.9	36.5	35.6	34.6	32.5	31.7	32.6	35.6	38.8	40.6	41.6	41.9	39.0	37.1	36.5	36.7
31	35.6	35.5	35.6	36.2	36.7	36.9	36.9	36.8	36.5	35.8	35.6	35.7	34.8	31.4	30.5	34.6	39.0	41.2	42.4	42.5	39.9	37.8	37.5	37.1	36.8
Mean	36.4	35.4	35.3	35.1	35.1	35.0	36.0	36.3	35.9	35.6	35.8	35.2	34.7	33.6	33.5	34.1	36.7	39.0	40.2	40.3	39.7	38.7	37.7	37.0	36.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 47. Agincourt. (Z.) 56,000 γ + December, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	638	638	639	635	622	628	625	622	615	619	625	628	638	645	649	646	645	649	652	652	654	651	649	647	638
2	647	646	644	641	636	638	639	636	629	628	633	639	640	643	641	638	640	640	641	645	645	647	644	650	641
3	649	649	647	649	649	646	645	638	637	631	629	635	642	645	645	645	648	644	645	648	649	645	642	643	644
4 D	645	640	643	639	637	636	635	632	630	632	630	630	631	631	633	632	636	633	633	633	637	637	632	633	634
5	632	632	632	632	632	631	629	630	627	626	627	626	626	626	627	626	624	624	627	626	632	633	633	633	629
6	633	632	630	629	628	628	626	626	626	626	626	626	624	625	627	623	627	630	632	633	636	636	634	633	629
7	632	633	632	631	630	629	628	627	626	623	622	622	622	622	622	621	621	625	628	628	634	629	628	625	625
8	624	623	623	623	623	623	623	622	622	622	622	622	622	621	618	617	615	615	619	623	623	623	623	622	622
9 Q	623	622	620	620	619	619	619	619	619	620	621	620	620	621	618	620	614	617	622	624	626	626	625	621	621
10 Q	620	621	620	620	621	621	621	621	621	621	621	621	621	618	620	619	616	619	624	625	626	626	627	626	622
11	626	625	626	625	623	626	626	623	621	623	621	618	621	616	617	613	613	615	621	625	623	625	623	622	622
12 D	622	625	625	625	622	621	621	619	616	615	618	619	619	616	611	604	607	610	617	619	621	621	619	619	618
13 D	619	620	620	622	617	618	619	619	619	619	616	616	616	615	612	608	608	613	618	621	622	625	623	625	618
14	622	623	625	625	622	622	622	621	616	610	615	618	618	616	615	613	613	614	622	624	624	625	626	623	619
15	622	622	622	621	621	619	619	615	616	619	620	619	619	621	618	615	621	625	623	625	625	623	624	621	621
16	619	619	619	619	619	619	619	619	619	619	619	620	620	620	621	621	621	621	621	621	621	622	622	620	620
17	619	619	618	618	619	619	616	619	619	619	619	619	619	619	619	613	610	613	616	619	615	615	615	615	617
18	616	616	616	616	616	616	616	617	617	617	618	618	618	618	618	618	618	618	619	619	619	619	619	619	618
19 Q	619	620	619	619	619	619	618	616	616	615	614	615	616	619	619	616	617	616	616	615	614	615	615	613	617
20	616	619	615	613	610	608	609	611	613	613	613	608	608	611	608	607	608	613	619	621	621	619	619	619	613
21	620	621	622	622	621	616	615	616	616	616	615	610	609	613	613	613	619	616	620	622	622	619	619	619	617
22 Q	618	619	619	617	616	615	615	616	616	615	615	614	615	616	613	606	606	609	613	614	615	613	613	613	614
23	613	612	612	612	610	609	608	603	605	603	603	605	609	610	606	603	606	608	611	613	612	612	613	613	609
24 Q	613	613	613	612	612	612	612	612	611	611	612	612	612	610	608	607	608	609	614	617	618	619	619	619	613
25	619	620	621	621	619	619	616	620	616	619	619	618	619	618	616	611	611	614	618	619	619	613	610	609	617
26	609	609	609	608	607	607	608	610	611	609	610	610	612	614	609	608	608	613	619	622	621	617	615	614	612
27 D	613	613	610	612	609	596	590	591	604	606	603	607	610	608	606	602	606	618	625	627	631	634	636	645	613
28 D	648	641	657	643	574	504	527	487	514	525	498	501	567	596	609	641	658	656	638	638	643	639	636	633	594
29	632	631	629	628	624	615	619	619	614	621	621	622	621	619	616	618	616	621	628	628	626	627	623	626	623
30	623	624	621	619	620	620	621	622	622	623	622	625	626	629	629	626	631	638	639	644	640	638	634	632	628
31	632	631	628	626	626	626	626	627	626	625	626	628	628	631	631	625	631	634	639	639	636	631	626	628	629
Mean	627	625	625	624	620	617	617	616	616	616	615	616	619	621	620	619	620	622	625	626	628	626	625	625	621

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 48. Agincourt — December, 1936.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	23	40	352	16	40	294	58	18	48	44.5	9	48	31.8	12.7	20	20	655	4	20	606	49	368	1
2	1	30	366	16	28	303	63	8	7	44.5	14	10	30.3	14.2	23	20	653	9	20	624	29	260	1
3	11	12	355	16	50	302	53	18	50	43.3	13	25	31.3	12.0	0	20	651	9	50	626	25	224	1
4 D	10	50	362	16	0	297	65	18	45	42.8	4	0	24.3	18.5	0	40	648	12	0	628	20	216	1
5	23	40	359	16	30	318	41	22	50	41.8	1	30	27.3	14.5	23	0	633	17	0	623	10	128	1
6	23	10	364	15	40	311	53	19	30	44.5	3	20	32.6	11.9	21	0	638	15	35	620	18	184	0
7	0	40	364	16	50	308	56	20	3	44.1	14	25	31.2	12.9	20	15	635	16	0	619	16	176	0
8	23	50	358	17	36	333	25	20	16	40.1	2	55	30.5	9.6	0	10	625	16	45	610	15	120	0
9 Q	23	58	362	16	50	332	30	18	20	40.8	14	47	32.3	8.5	21	0	628	16	30	612	16	131	0
10 Q	1	10	362	18	0	337	25	17	30	39.8	4	40	32.4	7.4	22	30	628	17	0	616	12	105	0
11	22	40	359	17	20	333	26	20	40	38.8	12	16	32.3	6.5	3	0	627	16	20	611	16	133	0
12 D	13	50	384	16	10	342	42	19	0	39.4	13	40	27.4	12.0	3	0	625	15	30	601	24	202	0
13 D	2	48	378	17	34	329	49	19	10	39.9	4	40	30.5	9.4	23	0	628	15	30	606	22	200	1
14	10	45	372	14	35	325	47	9	0	39.2	13	43	29.3	9.9	22	0	628	17	0	610	18	169	1
15	23	40	368	17	0	329	39	20	0	39.5	13	40	31.4	8.1	20	0	628	15	30	615	13	133	0
16	12	10	372	16	12	338	34	19	0	39.8	15	0	30.6	9.2	23	0	622	2	0	619	3	69	0
17	0	6	366	17	0	335	31	19	0	40.3	14	50	31.2	9.1	19	40	628	17	0	608	20	156	0
18	23	0	361	17	0	317	44	19	30	40.8	15	20	31.5	9.3	23	0	619	1	0	616	3	91	0
19 Q	22	0	367	17	10	320	47	18	40	41.6	14	0	31.0	10.6	2	0	620	23	50	611	9	125	0
20	5	40	372	17	0	324	48	18	50	41.0	13	50	31.5	9.5	19	0	622	16	0	604	18	176	0
21	11	50	372	17	53	322	50	17	45	43.0	13	40	31.6	11.4	1	50	625	12	0	608	17	174	0
22 Q	1	35	368	16	30	317	51	18	30	40.6	14	20	32.1	8.5	1	0	620	16	0	605	15	164	0
23	10	38	363	16	30	309	54	19	30	40.8	14	54	28.8	12.0	1	0	614	10	20	601	13	157	0
24 Q	23	0	357	18	0	328	29	18	10	38.3	13	50	32.6	5.7	23	0	619	15	0	607	12	113	0
25	23	35	366	17	50	333	33	20	50	39.1	15	14	33.0	6.1	3	0	622	23	40	608	14	132	0
26	8	44	372	17	10	324	48	19	50	40.6	14	33	29.8	10.8	19	40	622	5	30	604	18	177	0
27 D	3	33	386	17	48	300	86	21	17	46.2	5	30	27.7	18.5	23	40	650	7	0	582	68	519	1
28 D	0	30	353	7	10	205	148	11	0	58.8	4	55	1.5	57.3	17	0	675	7	0	442	233	1548	2
29	11	22	343	17	38	295	48	19	20	41.2	14	40	33.1	8.1	0	10	633	8	20	611	22	199	0
30	10	33	349	16	50	295	54	20	0	42.8	14	45	30.8	12.0	19	30	645	3	30	619	26	231	0
31	21	17	366	16	50	294	72	18	53	43.0	14	55	29.1	13.9	19	0	640	9	20	622	18	213	0
Mean			364			314	50			42.0			29.7	12.3			632			606	26	226	0.47
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 49. Agincourt. (H.) 15,000 γ + January, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	355	359	358	355	354	352	352	352	354	355	355	355	356	352	335	316	305	311	321	335	348	358	363	359	346
2	362	360	360	359	355	354	355	354	353	359	364	361	360	351	331	311	303	311	327	338	345	359	358	339	347
3	349	349	342	330	328	342	345	345	348	352	351	346	353	349	333	312	295	296	308	323	342	354	357	354	338
4	356	352	347	341	342	342	342	345	342	343	350	352	352	350	337	316	305	301	305	326	349	359	363	359	340
5	355	354	353	349	347	345	342	354	357	358	359	359	359	347	332	309	304	302	318	335	350	359	364	364	345
6	364	359	357	355	354	352	350	347	353	355	354	357	357	353	345	329	320	323	329	340	354	364	368	369	350
7 D	368	364	363	363	362	363	361	357	358	364	364	368	367	362	358	334	318	305	313	326	333	338	376	335	351
8	320	321	325	323	325	328	330	336	338	339	339	339	342	338	329	310	300	300	310	313	330	343	344	344	328
9 D	348	348	344	343	340	347	349	350	342	335	329	338	339	343	342	322	318	324	330	349	366	344	369	369	343
10 D	356	347	342	336	334	352	347	353	344	344	340	328	335	354	330	311	314	313	318	330	333	335	349	353	338
11	347	344	344	339	335	330	338	333	339	347	351	354	352	345	330	319	316	315	318	323	329	334	338	352	336
12	353	346	344	346	342	342	344	347	350	354	353	352	359	355	333	297	301	321	328	335	349	354	353	354	342
13	349	340	344	343	338	340	351	342	347	352	354	352	345	352	337	320	312	317	321	335	345	349	347	352	341
14	352	352	351	351	351	350	355	356	352	357	356	357	356	352	344	330	322	323	325	333	341	350	352	350	347
15 Q	354	354	355	354	355	355	356	357	359	360	358	359	357	350	340	327	318	323	339	352	357	360	360	360	351
16 Q	359	358	352	349	353	355	357	354	355	357	359	362	362	354	337	322	315	314	326	341	354	361	364	364	349
17	361	359	358	357	357	357	359	361	364	364	369	371	369	361	347	332	323	348	340	355	366	371	367	364	356
18	369	364	360	356	357	359	359	357	356	361	361	361	360	354	338	323	316	331	350	361	366	366	362	361	355
19	359	359	360	357	355	354	353	355	359	363	360	358	355	345	331	322	323	336	347	355	359	364	364	359	352
20	359	362	363	364	364	361	362	364	363	362	360	359	357	349	331	316	325	330	344	354	354	364	367	364	354
21	354	354	357	348	347	347	353	352	354	354	355	353	349	346	336	331	296	305	321	327	348	352	355	348	343
22	347	349	345	348	348	345	346	345	347	349	346	344	345	341	328	310	299	303	318	339	352	355	358	357	340
23 Q	356	352	352	354	355	352	354	352	352	354	353	352	347	338	321	306	301	308	322	337	342	352	357	358	343
24	357	357	357	357	356	357	357	358	359	358	359	358	355	352	342	330	322	318	327	338	349	356	356	357	350
25 Q	357	357	359	357	359	357	357	358	358	360	360	357	352	348	339	325	318	319	321	330	344	359	364	361	349
26	361	362	363	364	364	363	362	364	364	364	362	364	369	369	353	334	321	321	332	346	364	369	369	366	357
27 D	362	362	362	362	366	366	367	370	376	376	364	347	352	351	333	299	286	302	314	320	341	347	356	357	348
28	355	361	356	356	341	334	334	332	333	338	343	347	346	338	327	310	299	295	296	312	327	343	347	323	333
29	321	316	324	325	333	339	325	335	342	347	350	352	350	338	321	308	298	296	303	311	321	335	345	350	328
30 D	350	352	351	352	349	347	344	350	354	357	357	359	354	341	321	287	296	322	325	324	339	350	355	356	341
31	355	351	350	347	346	347	347	348	347	348	354	352	346	335	317	305	305	315	325	337	346	352	359	361	341
Mean	354	353	352	350	349	350	350	351	352	355	355	354	354	349	335	317	309	314	323	335	347	354	358	355	345

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 50. Agincourt. (D.) West 7° + . . . ′ January, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	36.7	35.8	35.7	35.7	35.8	36.1	36.4	36.5	36.4	35.5	35.6	35.0	34.0	33.4	31.5	34.5	37.9	40.6	41.0	40.4	39.6	38.5	37.3	36.4	36.5
2	35.9	35.6	35.0	35.4	36.4	36.6	36.4	35.9	35.4	36.6	34.5	34.0	33.6	32.1	31.5	33.5	37.6	40.9	42.9	43.0	42.6	39.9	39.9	38.9	36.8
3	35.8	34.6	34.7	24.9	33.4	34.0	34.6	34.9	35.7	35.7	35.5	36.9	34.7	31.4	29.7	31.9	35.5	39.7	41.7	41.4	39.8	38.4	37.7	36.7	35.4
4	35.9	35.5	35.5	33.5	35.9	36.7	35.8	33.9	36.4	37.5	35.5	34.5	33.5	30.4	28.7	31.9	35.4	37.9	40.9	40.9	40.5	38.4	36.8	36.4	35.8
5	35.4	34.6	34.4	34.5	34.8	35.4	36.8	33.9	33.9	34.6	35.3	34.6	33.6	30.7	29.4	32.9	35.9	38.4	39.6	39.7	38.8	37.3	36.4	35.7	35.4
6	35.0	35.0	34.0	33.9	34.5	34.6	34.7	34.4	34.4	35.5	24.7	35.5	33.7	31.5	39.0	30.6	33.5	37.4	39.1	39.5	39.5	37.8	35.9	35.6	35.0
7 D	35.0	34.0	34.5	34.4	35.0	34.6	34.0	33.9	34.7	34.0	34.7	34.5	33.7	32.4	30.9	34.3	36.4	40.0	42.2	43.4	42.2	40.0	47.5	44.0	36.7
8	35.7	31.0	34.3	35.0	36.0	36.5	36.5	37.0	36.8	36.4	35.8	35.5	34.4	33.0	31.4	33.4	36.3	38.2	39.4	39.5	39.2	38.5	37.4	37.1	36.0
9 D	36.2	35.3	35.6	36.8	36.2	35.5	35.9	35.1	33.2	37.7	34.2	38.2	33.8	30.4	32.9	36.4	38.5	40.4	41.5	40.4	40.2	38.2	39.2	43.3	36.9
10 D	39.4	36.5	35.3	35.5	34.7	36.4	41.1	41.4	33.1	34.1	37.9	36.5	34.1	35.7	31.7	37.5	38.6	41.0	42.5	42.9	44.0	44.3	38.7	38.8	38.0
11	36.5	34.3	34.1	35.5	33.6	36.5	40.5	30.4	32.0	35.2	35.9	35.8	34.5	30.7	32.5	36.4	38.4	39.0	40.2	43.0	42.9	40.7	36.2	36.2	36.3
12	38.0	36.0	33.9	33.5	34.6	36.4	36.4	36.4	35.4	34.6	34.2	34.9	32.5	29.7	30.2	35.2	41.4	41.5	40.8	40.2	38.4	37.4	36.4	36.4	36.0
13	36.0	36.1	32.2	31.5	35.9	36.3	38.7	34.9	34.2	35.4	36.4	36.3	35.9	32.0	32.5	34.5	36.1	38.5	39.6	39.5	38.7	38.5	37.0	36.4	36.0
14	35.7	35.2	35.2	35.9	36.3	36.0	37.3	36.5	36.2	37.7	37.4	36.7	36.4	33.4	31.2	33.1	35.4	36.9	38.2	38.7	38.7	37.4	36.9	37.1	36.2
15 Q	36.3	35.8	35.3	35.8	36.0	36.4	36.4	36.4	36.5	35.7	35.6	35.2	34.6	32.3	31.5	33.6	38.0	43.2	44.3	42.4	40.6	37.6	36.2	36.2	36.7
16 Q	35.4	35.3	35.8	35.4	36.3	36.3	35.9	35.9	35.0	34.9	36.3	34.5	34.0	31.6	31.2	34.7	38.4	40.5	41.7	41.4	39.2	37.4	36.4	36.3	36.2
17	35.9	35.7	35.9	35.7	36.2	36.5	36.5	36.5	36.4	36.9	35.9	34.5	33.5	31.4	31.0	33.1	37.2	40.9	42.8	41.8	39.5	37.1	36.0	35.8	36.4
18	35.5	34.8	35.4	35.5	36.0	36.1	35.5	35.0	35.5	36.5	35.2	35.0	33.6	31.0	30.4	34.5	39.2	43.2	44.4	42.4	39.2	37.1	36.9	36.3	36.4
19	35.7	35.1	35.5	35.3	35.5	36.2	35.4	35.2	34.4	34.8	35.6	35.4	33.6	30.5	30.1	34.0	37.2	39.4	40.1	40.0	39.9	38.7	38.4	36.6	35.9
20	36.1	35.5	35.4	35.6	35.6	35.9	35.5	35.6	35.3	35.2	34.9	34.4	33.6	30.4	29.9	38.5	42.8	43.5	44.0	46.0	44.4	39.0	37.4	36.5	37.1
21	35.6	35.6	35.6	35.5	35.5	35.2	36.0	35.0	34.2	33.7	34.4	33.3	31.5	30.3	31.3	34.9	38.4	45.0	45.5	43.4	43.5	41.4	41.5	41.1	37.0
22	35.7	35.5	34.8	35.9	36.0	35.5	36.1	36.1	35.9	35.3	34.8	35.0	33.5	31.0	30.9	33.1	36.5	40.9	43.5	42.9	40.9	38.4	37.7	37.4	36.4
23 Q	36.6	35.9	36.0	36.4	36.1	36.1	36.4	35.8	35.4	35.4	34.7	34.5	33.7	32.1	30.6	34.4	37.9	40.9	42.0	40.8	39.4	38.1	37.4	36.5	36.4
24	36.4	35.7	36.0	36.1	36.0	36.4	36.4	36.3	35.5	35.4	35.0	34.9	34.4	31.9	31.6	34.6	37.5	40.5	42.7	41.9	40.4	38.9	38.0	37.6	36.7
25 Q	37.1	36.0	35.1	35.4	36.0	36.1	35.6	36.4	36.1	35.4	35.0	34.4	33.7	32.1	31.0	33.4	36.4	38.3	39.8	40.2	39.6	38.4	37.2	36.4	36.1
26	36.3	35.5	35.9	35.9	36.2	36.5	36.4	36.4	35.9	35.3	35.4	34.3	33.4	31.0	29.6	32.5	35.7	39.5	42.4	42.6	40.0	37.4	36.5	36.6	36.1
27 D	36.5	36.0	36.2	36.0	36.0	36.3	36.3	36.1	35.4	33.1	33.9	29.0	33.7	31.1	33.3	32.0	37.9	41.6	43.6	45.9	41.1	39.2	38.6	40.4	36.5
28	39.7	39.5	38.7	36.1	37.3	35.4	34.8	33.7	33.8	34.0	34.5	32.4	32.4	34.3	36.2	37.5	38.7	40.7	43.5	44.5	45.5	41.2	39.6	38.7	37.6
29	38.4	37.1	34.4	36.0	34.6	40.5	36.6	35.0	34.9	35.8	36.4	34.8	35.5	34.4	32.4	33.3	34.7	37.4	40.0	40.2	39.2	38.4	38.3	37.7	36.5
30 D	37.1	36.4	36.5	36.5	36.4	36.7	37.0	36.1	35.9	35.5	36.4	35.2	32.2	39.2	30.2	31.0	42.2	45.3	44.1	42.0	41.8	39.2	38.2	36.8	37.0
31	36.0	36.1	36.2	36.8	36.7	36.7	36.0	36.2	34.4	36.1	35.2	33.9	32.2	30.5	29.5	33.2	37.4	40.7	42.0	41.7	40.5	38.9	37.7	36.7	36.3
Mean	36.4	35.5	35.3	35.1	35.7	36.1	36.4	35.6	35.0	35.5	35.4	34.8	33.8	31.7	31.1	34.1	37.5	40.4	41.8	41.7	40.6	38.8	37.9	37.5	36.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 51. Agincourt. (Z.) 56 000 γ + January, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	621	620	620	615	616	615	615	615	613	615	613	615	617	619	616	613	613	614	621	623	622	619	617	616	617
2	616	615	616	616	615	617	617	613	614	614	611	612	615	616	619	613	612	615	620	623	621	619	619	629	616
3	629	627	626	619	622	624	622	621	619	616	616	615	615	621	620	615	615	614	620	621	623	621	620	615	620
4	615	616	620	620	619	607	605	600	604	603	608	615	619	620	612	608	612	612	621	620	615	612	612	612	613
5	612	612	612	612	612	609	605	608	612	612	612	612	614	615	612	609	610	613	620	621	620	617	616	614	613
6	613	613	613	613	613	613	613	613	612	612	612	613	615	615	608	605	605	606	608	610	609	612	606	605	611
7 D	605	605	605	606	608	608	608	608	609	611	610	611	612	612	608	605	609	613	618	647	663	663	699	701	616
8	654	647	636	629	629	629	629	629	629	629	629	629	631	631	625	621	626	630	635	636	636	636	631	631	632
9 D	631	631	629	629	629	629	630	630	626	605	589	613	628	636	629	628	636	638	638	636	640	636	637	647	629
10 D	647	639	636	636	632	605	577	569	574	595	598	605	609	615	605	613	625	628	632	636	636	643	645	645	619
11	644	640	637	636	632	624	589	593	612	621	622	628	629	628	619	616	621	629	632	636	636	636	643	640	626
12	640	643	639	636	631	629	629	623	621	623	623	624	629	627	622	620	625	625	632	632	629	629	628	629	629
13	629	629	624	621	623	621	612	613	621	623	623	623	624	624	619	624	629	630	635	633	629	628	629	630	625
14	629	629	629	629	629	625	621	619	621	621	624	629	629	632	631	635	633	636	640	638	636	636	636	636	630
15 Q	636	636	636	635	634	634	634	634	634	630	634	635	636	636	635	632	635	636	636	637	638	636	636	635	635
16 Q	635	634	632	631	633	634	632	629	629	629	631	633	634	634	630	629	635	636	640	638	641	636	632	630	633
17	630	630	630	630	630	632	630	630	630	630	628	628	629	630	623	624	625	627	629	631	632	634	629	630	629
18	630	631	630	630	630	630	630	629	631	632	630	630	635	633	626	627	631	635	639	639	637	635	635	635	632
19	635	632	634	632	633	633	632	632	632	631	631	631	633	635	632	627	630	632	634	635	635	635	635	635	632
20	635	633	632	631	631	631	631	630	628	628	628	628	630	628	614	614	618	620	620	624	628	628	628	628	627
21	628	627	629	635	635	635	635	632	635	631	628	626	628	628	623	620	623	632	637	643	643	643	646	649	633
22	650	643	639	637	635	635	637	635	635	635	634	634	635	635	632	632	633	637	642	642	639	638	635	635	637
23 Q	635	633	635	633	633	631	634	635	632	631	631	632	634	635	633	631	633	638	642	639	637	636	635	634	634
24	633	633	632	631	633	633	632	633	633	632	632	631	633	635	632	628	635	633	634	636	638	635	635	634	633
25 Q	635	635	634	630	632	631	632	631	632	631	631	631	631	629	624	624	628	630	629	635	638	637	635	630	632
26	630	630	630	629	628	628	628	628	628	628	628	628	627	627	620	620	621	620	623	628	632	628	628	626	627
27 D	629	629	628	627	627	627	627	626	626	619	613	608	613	619	619	620	628	633	636	644	644	647	644	650	629
28	650	650	656	640	643	647	642	638	636	636	636	632	632	625	628	629	633	636	640	647	644	650	652	662	641
29	668	675	666	651	629	601	624	632	633	636	634	635	636	629	628	629	631	633	636	643	644	643	640	640	638
30 D	640	639	639	636	636	636	636	637	636	636	636	635	636	640	640	634	640	640	636	636	638	636	634	633	637
31	636	632	633	633	636	636	636	632	631	631	632	636	638	639	632	631	635	639	640	644	644	640	636	636	642
Mean	633	633	631	629	628	626	624	622	624	624	623	625	627	628	623	622	626	628	632	634	635	634	634	635	628

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 52. Agincourt — January, 1937.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	7° Maximum West +			7° Minimum West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 Q	22	0	364	16	48	303	61	17	50	41.9	14	40	29.7	12.2	20	20	625	16	40	612	13	160	0
2	21	30	367	16	30	299	68	18	28	43.7	13	47	30.4	13.3	23	33	636	11	0	611	25	248	0
3	22	0	357	16	45	291	66	18	45	42.0	3	30	17.6	24.4	0	15	632	3	45	613	19	211	1
4	22	0	363	17	40	297	66	19	10	41.4	14	30	28.5	12.9	19	0	623	7	23	597	26	249	1
5	23	38	367	17	40	300	67	19	17	40.5	14	28	28.5	12.0	19	0	624	6	50	601	23	233	1
6	23	15	372	16	40	319	53	20	15	39.5	14	45	27.9	11.6	4	50	618	23	0	605	13	156	0
7 D	22	30	390	23	50	295	95	23	6	52.4	14	0	28.7	23.7	23	10	722	15	40	605	117	808	1
8	23	58	348	17	0	299	49	19	12	39.7	1	40	26.4	13.3	0	2	665	15	0	620	45	330	1
9 D	22	25	401	16	35	313	88	23	18	46.9	14	0	26.7	20.2	23	59	653	10	26	583	70	532	1
10 D	0	34	362	16	54	305	57	21	0	48.5	14	5	28.7	19.8	0	2	653	7	20	569	84	563	1
11	23	24	356	17	25	310	46	6	20	44.0	7	33	28.1	15.9	0	30	646	6	43	577	69	456	1
12	16	25	367	15	50	282	85	16	25	43.1	14	40	27.4	15.7	1	30	642	16	0	620	22	256	1
13	6	30	364	17	0	310	54	6	15	40.7	2	50	22.2	18.5	18	20	636	6	45	605	31	257	1
14	6	50	361	17	0	318	43	6	43	39.0	14	40	30.4	8.6	19	0	642	7	0	617	25	210	0
15 Q	21	50	363	17	0	316	47	18	0	44.4	14	33	31.1	13.3	19	30	638	15	30	630	88	117	0
16 Q	12	30	362	17	12	312	50	19	0	42.0	14	0	30.4	11.6	18	0	642	7	15	629	13	145	0
17	21	12	375	16	20	322	53	18	17	42.9	14	47	29.7	13.2	20	20	635	14	50	628	7	114	0
18	0	36	368	16	20	312	56	18	0	44.7	14	10	28.7	16.0	19	0	643	14	20	626	17	177	0
19	21	22	367	16	0	319	48	19	0	40.7	14	0	29.3	11.4	22	0	635	9	45	627	8	119	0
20	23	13	369	15	36	310	59	19	30	46.7	13	57	27.7	19.0	17	0	631	14	50	611	20	197	1
21	22	50	364	16	50	284	80	17	54	47.7	12	48	27.7	20.0	23	58	653	15	35	618	35	310	1
22	22	0	359	16	30	299	60	18	30	43.8	13	15	30.4	13.4	0	2	652	14	30	631	21	211	0
23 Q	0	30	357	16	10	301	56	18	10	42.5	14	40	30.1	12.4	19	0	642	15	0	629	13	154	0
24	11	30	359	17	25	316	43	18	30	43.4	14	20	30.8	12.6	20	30	639	15	10	631	8	113	0
25 Q	18	10	366	16	30	316	50	19	25	40.4	14	20	30.1	10.3	21	0	637	15	0	622	15	164	0
26	21	12	370	17	0	316	54	19	10	43.0	14	30	28.9	14.1	20	10	632	17	45	618	14	168	0
27 D	8	42	404	16	30	279	125	19	13	49.2	13	50	24.9	24.3	23	30	652	11	50	605	47	452	1
28	3	20	375	18	0	291	84	20	10	46.9	3	0	24.8	22.1	23	40	666	3	23	621	45	378	1
29	5	13	358	17	0	295	63	5	48	43.9	4	28	29.0	14.9	1	37	680	5	15	590	90	601	1
30 D	11	25	361	16	0	269	92	17	27	46.4	15	15	20.5	25.9	16	20	644	15	15	632	12	210	1
31	23	50	364	16	28	303	61	19	0	42.4	14	30	29.2	13.2	19	0	644	7	40	629	15	185	0
Mean			367			303	64			43.7			27.9	15.8			645			613	32	273	0.55
No. days			31			31	31			31			31	31			31			31	31	31	31

98726-3—54

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 53. Agincourt. (H.) 15,000 γ + February, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	360	354	339	346	354	352	356	354	342	352	359	361	355	342	320	313	303	308	320	329	340	349	355	356	342
2	358	359	356	356	355	354	357	356	355	353	352	353	348	333	310	300	301	312	322	333	342	355	360	390	345
3 D	392	378	427	375	364	305	274	213	267	282	309	313	325	318	296	282	264	248	245	330	291	304	297	303	308
4	308	313	317	320	318	318	318	318	317	313	309	305	303	304	288	275	270	278	292	299	313	331	337	336	308
5 D	336	327	325	335	322	325	325	317	323	327	325	327	325	315	296	284	273	288	308	322	318	323	326	332	318
6	342	342	340	340	339	341	337	339	342	335	318	333	332	313	286	291	291	295	305	315	308	329	340	346	325
7	348	339	340	341	343	344	339	339	335	340	338	337	331	324	316	294	287	295	303	312	321	327	338	343	328
8 Q	343	343	342	343	346	345	344	345	344	348	348	349	345	339	329	320	319	324	333	342	341	349	354	352	341
9 D	339	342	344	344	342	338	338	339	342	346	351	356	344	337	313	296	315	309	319	318	320	320	330	325	332
10	333	330	328	323	327	317	329	335	335	339	339	340	339	328	325	340	330	329	336	337	335	338	330	329	332
11	337	330	329	324	331	330	324	342	342	339	342	340	335	325	312	308	310	315	346	330	327	329	342	344	330
12	349	344	348	346	347	347	348	351	349	343	346	347	344	333	323	299	305	310	316	318	320	328	328	328	334
13	339	342	338	338	339	339	347	352	359	357	357	352	339	338	318	308	307	311	320	321	343	349	339	335	337
14	332	338	335	337	339	333	339	338	337	338	336	337	330	320	312	313	309	301	311	323	328	326	331	335	328
15	331	342	345	342	339	336	333	332	331	328	338	338	325	313	308	305	309	320	331	328	335	338	347	344	331
16	340	329	347	344	345	344	339	343	342	342	342	349	347	330	319	309	305	307	307	318	337	354	349	350	335
17	351	351	349	339	347	346	350	346	345	348	347	346	340	324	329	340	336	335	340	345	342	345	343	344	343
18	353	347	342	348	351	346	346	349	351	352	351	348	344	343	339	327	321	318	331	356	362	353	360	360	346
19 D	356	343	358	359	353	351	351	343	348	331	350	348	347	334	316	304	262	266	323	342	335	345	356	368	337
20	358	361	360	350	350	352	348	350	351	350	355	353	347	345	346	341	331	323	322	332	332	346	347	349	346
21 D	351	355	357	367	362	362	353	356	356	355	357	357	355	343	327	319	327	327	334	318	332	334	346	353	346
22	356	355	350	346	348	348	349	348	348	347	351	357	353	349	345	335	326	323	334	338	343	344	343	346	345
23 Q	345	339	345	341	347	345	345	349	348	348	347	345	344	334	322	314	315	326	335	343	347	347	349	346	340
24 Q	347	345	347	346	346	340	348	353	348	356	360	356	351	345	337	328	319	321	327	331	341	350	356	353	344
25	353	350	345	339	343	348	350	350	354	354	353	355	356	343	329	321	318	324	329	339	344	345	349	352	343
26 Q	353	353	353	350	350	348	344	342	343	348	348	348	339	330	322	316	316	321	330	339	343	345	348	349	341
27 Q	350	353	343	335	337	338	344	345	348	348	348	345	337	322	332	324	317	314	324	326	334	346	346	353	338
28	355	348	342	355	356	357	358	358	359	360	356	353	343	322	322	321	313	317	331	335	344	347	340	347	343
29																									
30																									
31																									
Mean	347	344	346	343	344	341	340	339	341	342	344	344	340	331	319	311	307	309	320	329	332	339	342	345	335

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 54. Agincourt. (D.) West 7° + . . . ′ February, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	36.0	34.5	34.0	37.6	36.4	37.5	38.0	36.2	34.5	34.6	33.2	31.4	31.7	30.0	34.7	36.9	38.8	41.8	43.2	42.5	40.0	38.4	37.7	37.4	36.6
2	37.0	36.7	36.7	37.2	37.1	36.4	36.9	36.0	33.9	32.4	33.4	33.9	31.7	29.5	31.5	35.1	38.0	40.6	42.0	41.5	40.8	39.2	38.4	36.8	36.4
3 D	40.4	42.3	36.4	34.5	37.6	29.4	32.5	29.6	26.7	25.4	31.0	32.6	31.1	32.3	35.0	36.5	38.5	41.6	44.4	40.0	43.4	40.4	40.8	38.7	35.9
4	37.8	37.0	37.1	37.5	37.4	37.0	37.4	35.2	34.5	32.9	35.9	36.9	36.0	28.5	31.1	34.0	36.3	40.3	41.4	45.0	44.3	42.0	40.0	38.4	37.3
5 D	37.0	33.4	34.0	33.0	36.0	34.1	34.4	38.2	37.3	36.3	34.1	34.0	32.4	31.2	32.0	33.3	37.2	40.2	42.0	42.7	41.5	40.3	41.6	38.2	36.4
6	34.6	35.2	34.7	36.1	31.2	37.4	37.0	37.1	36.5	34.4	40.2	34.6	29.0	27.4	31.7	37.1	38.1	39.4	40.5	40.6	42.1	40.0	39.7	36.3	36.3
7	33.2	35.4	36.0	35.5	37.0	39.1	38.1	35.5	36.2	35.1	34.0	33.9	33.6	31.0	31.2	34.0	36.4	38.3	40.1	41.1	40.4	40.3	38.7	38.1	36.3
8 Q	37.1	36.7	36.4	36.5	36.4	38.0	37.4	36.8	36.3	34.3	34.7	34.7	33.8	31.9	31.3	34.2	36.0	38.3	40.0	39.9	39.7	39.3	38.4	38.2	36.5
9 D	37.2	37.2	37.2	36.4	36.0	38.2	40.1	37.1	34.3	33.5	33.1	32.6	32.8	31.3	34.0	43.5	45.7	43.0	42.8	43.2	45.2	43.5	42.7	37.4	38.3
10	37.5	36.4	36.8	36.8	35.1	34.9	39.5	36.1	35.0	34.6	35.6	36.9	36.7	39.1	45.3	41.3	40.6	40.9	39.3	39.1	38.4	38.3	39.7	38.6	38.0
11	37.7	37.2	36.2	32.9	36.1	37.1	43.1	36.1	34.6	34.0	34.3	35.0	35.0	34.2	38.0	36.9	38.2	39.4	39.2	38.0	37.5	36.5	37.4	38.2	36.8
12	37.2	36.1	36.5	36.5	36.4	37.0	36.2	36.2	35.4	31.4	31.9	33.2	33.7	34.1	35.5	37.8	39.9	41.6	41.9	41.4	41.6	35.5	37.9	39.5	36.9
13	37.2	36.6	36.4	36.3	35.8	36.1	36.1	36.5	34.4	31.4	30.5	33.0	38.2	33.8	35.0	38.5	39.3	42.4	42.6	42.1	41.0	40.1	40.7	38.7	37.2
14	35.0	38.2	36.2	35.1	34.4	36.1	37.1	36.4	36.4	36.0	34.4	33.7	32.7	33.6	35.7	37.4	40.0	43.0	43.9	43.9	43.2	42.4	43.0	36.2	37.7
15	39.3	36.1	35.4	36.0	37.0	36.1	34.3	34.0	33.3	32.9	34.8	34.0	32.1	34.3	36.5	40.4	45.1	46.1	44.0	42.9	41.2	38.7	38.2	38.3	37.5
16	38.0	33.8	35.6	35.0	36.0	36.0	36.0	34.2	34.1	30.3	33.3	38.6	37.6	35.8	36.5	38.9	42.8	42.3	43.0	42.4	40.3	38.4	37.5	37.9	37.3
17	37.2	36.4	36.1	34.8	36.8	35.9	35.5	35.8	36.1	35.1	33.8	32.8	31.3	34.6	38.6	41.0	41.2	41.1	41.0	40.0	40.7	41.2	41.0	39.1	37.4
18	38.1	35.3	34.1	36.3	35.5	34.9	36.3	36.1	36.1	35.2	34.9	34.3	35.9	33.1	33.3	35.2	39.0	41.0	41.4	41.3	42.1	41.4	39.9	41.0	37.2
19 D	39.3	34.3	36.3	35.3	35.3	34.4	34.4	33.0	26.5	28.6	32.0	36.0	36.3	37.3	35.9	36.6	45.0	53.0	47.0	42.9	40.9	39.4	38.6	38.3	37.4
20	37.4	37.2	37.3	37.2	37.0	35.5	34.3	34.3	34.5	34.2	34.0	33.5	33.1	33.0	31.1	34.7	35.7	37.9	37.9	38.9	38.1	39.3	39.5	38.9	35.9
21 D	38.0	36.3	36.1	35.7	35.0	34.7	34.3	34.1	34.9	35.0	35.1	34.4	33.3	33.0	32.9	36.7	38.6	37.8	39.2	40.7	41.0	39.9	30.3	38.3	36.4
22	37.9	37.3	37.7	37.2	36.9	36.3	35.7	34.6	30.9	29.3	33.2	41.0	42.9	40.0	42.2	40.3	38.0	41.3	40.2	38.6	37.8	37.1	38.0	37.7	37.6
23 Q	37.2	37.1	35.4	37.2	36.6	36.4	36.0	35.2	35.3	35.5	35.0	34.4	33.8	33.1	33.9	35.1	37.0	38.4	39.1	38.9	37.3	37.1	37.1	37.9	36.2
24 Q	37.9	36.9	36.9	36.7	36.2	33.6	35.9	35.1	33.3	38.3	31.3	33.0	32.3	33.2	33.3	35.2	36.9	39.0	40.3	39.8	38.9	38.1	38.1	37.5	36.2
25	37.4	36.9	36.2	34.3	36.9	36.1	36.1	35.1	35.0	33.9	33.1	32.3	30.3	30.9	32.7	33.9	35.7	37.3	38.7	38.0	37.1	37.6	38.3	38.2	35.5
26 Q	37.4	37.0	37.3	37.2	36.2	35.3	38.1	33.2	32.8	31.1	31.3	33.1	35.0	31.9	31.9	35.9	38.6	39.5	41.1	40.3	38.5	37.0	37.4	38.1	36.0
27 Q	37.9	36.3	36.8	32.9	34.4	35.0	35.5	35.0	35.0	35.0	33.3	31.4	29.5	33.0	34.9	35.5	38.4	39.4	40.3	39.9	39.0	38.0	38.3	38.4	36.0
28	37.3	37.1	37.1	37.3	36.7	36.2	36.1	35.3	35.7	35.6	33.1	32.4	31.3	30.5	36.0	36.7	40.6	41.6	42.3	42.0	41.4	41.1	40.1	39.3	37.2
29																									
30																									
31																									
Mean	37.3	36.4	36.1	35.8	36.0	35.8	36.5	35.2	34.2	33.4	33.7	34.2	33.6	32.9	34.6	36.8	39.1	40.9	41.3	40.9	40.4	39.2	39.2	38.2	36.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 55. Agincourt. (Z.) 56,000 γ + February, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	636	636	636	632	630	627	624	619	619	619	617	616	616	615	617	619	620	624	629	633	636	632	626	624	625
2	624	624	622	621	623	623	621	621	620	619	619	619	622	621	619	618	619	621	624	624	623	621	621	621	621
3 D	624	692	812	739	682	639	644	636	608	612	647	654	645	642	648	650	651	668	690	753	696	675	664	654	668
4	648	644	642	643	643	643	642	636	636	633	633	629	628	636	632	635	634	642	648	648	651	641	640	644	640
5 D	643	653	659	658	642	604	607	635	634	635	637	635	638	637	633	630	632	639	643	645	657	660	650	648	640
6	649	643	643	643	635	629	638	639	639	634	615	619	628	628	621	621	620	625	633	639	642	646	645	637	634
7	639	641	642	638	635	628	628	631	631	635	635	635	635	639	635	630	631	631	637	637	635	638	639	638	635
8 Q	637	636	633	634	635	635	629	630	631	630	631	630	632	630	623	620	621	621	622	629	631	631	635	637	630
9 D	639	643	639	639	638	635	628	636	637	637	636	631	628	626	625	628	628	635	642	651	678	694	701	674	644
10	661	653	651	653	650	649	643	628	640	643	639	639	635	633	635	639	631	631	638	646	646	643	643	649	642
11	650	648	645	645	647	643	613	630	641	639	637	638	639	642	634	641	638	641	641	643	643	639	642	641	640
12	640	640	637	636	637	637	636	633	626	626	630	633	633	636	633	636	642	640	644	651	654	672	664	653	640
13	649	644	642	644	643	641	637	634	626	617	617	618	626	626	631	637	641	640	641	644	647	650	649	657	637
14	657	664	663	656	655	651	652	651	648	646	640	644	647	646	643	642	647	651	658	667	671	671	671	674	655
15	666	655	652	655	659	656	651	644	643	641	640	643	643	647	639	638	636	636	638	639	643	641	641	647	646
16	646	653	647	646	642	642	639	638	635	634	631	621	619	622	624	627	632	638	643	646	646	647	641	641	638
17	642	642	643	644	644	642	642	639	638	639	635	635	638	635	627	627	622	626	631	638	642	647	646	643	638
18	644	645	644	644	637	636	634	633	632	630	630	630	629	629	632	638	638	637	638	642	640	641	641	643	637
19 D	654	662	652	642	641	641	638	626	595	599	607	615	610	620	622	615	615	626	633	632	630	631	637	640	628
20	632	631	629	635	633	633	630	632	633	633	633	632	633	633	633	629	629	635	636	637	637	637	634	635	633
21 D	633	633	633	631	633	630	634	633	633	632	631	629	633	633	629	635	631	629	629	633	639	637	636	637	633
22	636	636	632	637	636	638	633	627	616	622	621	616	615	621	617	622	622	629	629	629	628	633	629	630	627
23 Q	627	629	627	631	631	634	631	628	627	629	627	629	631	631	626	627	625	625	624	627	627	627	631	634	628
24 Q	630	629	630	630	627	626	628	629	624	614	619	626	626	629	626	622	622	625	624	626	625	626	626	626	626
25	626	625	629	628	628	628	628	625	625	626	627	627	625	622	620	618	620	620	622	625	625	625	618	625	625
26 Q	621	622	623	624	624	624	620	617	622	618	620	624	623	620	619	621	617	624	627	628	627	624	624	624	622
27 Q	624	623	623	626	625	628	629	627	624	624	623	625	626	623	617	616	616	617	620	623	625	627	623	623	623
28	623	623	623	623	623	622	622	619	620	610	615	617	616	617	616	616	623	623	627	630	633	633	631	633	623
29																									
30																									
31																									
Mean	639	642	645	642	638	634	632	631	628	628	628	628	629	630	628	628	629	632	636	642	642	642	641	640	635

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 56. Agincourt — February , 1937.

Day	Horizontal Force							Declination							Vertical Force							Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	10	35	365	16	47	301	64	18	18	43.4	13	50	29.4	14.0	1	54	638	8	0	605	33	287	1
2	23	35	409	15	50	296	113	18	30	42.4	13	24	28.4	14.0	19	40	626	15	38	615	11	236	1
3 D	2	0	493	7	30	201	292	1	48	50.9	5	36	18.7	32.2	19	3	823	9	15	510	313	2222	2
4	22	0	343	16	34	261	82	20	6	47.0	14	28	25.3	21.7	20	13	654	12	0	612	42	313	1
5 D	3	37	345	16	33	261	84	20	27	45.3	5	4	24.4	20.9	20	42	667	5	56	569	98	678	1
6	0	27	352	14	50	279	73	10	37	44.4	4	23	22.4	22.0	0	20	649	10	44	600	49	389	1
7	0	40	351	16	10	279	72	6	0	41.3	13	30	29.2	12.1	18	56	641	5	49	623	18	211	1
8 Q	23	20	359	16	0	318	41	20	5	40.2	13	58	29.4	10.8	19	50	638	15	58	618	20	176	0
9 D	11	42	359	15	33	283	76	20	30	49.2	14	42	29.1	20.1	22	20	713	14	10	619	94	651	1
10	19	13	352	15	20	307	45	14	40	49.3	7	30	33.5	15.8	0	1	664	7	9	619	45	324	1
11	23	50	349	15	37	303	46	6	14	50.3	3	36	29.5	20.8	0	53	651	6	22	596	55	382	1
12	0	10	352	15	47	294	58	18	20	43.7	9	25	29.1	14.6	21	23	685	9	3	618	67	468	1
13	8	26	364	16	0	299	65	12	40	44.7	11	0	28.7	16.0	23	50	657	8	48	612	45	355	1
14	23	40	369	17	50	295	74	23	55	45.0	4	22	30.9	14.1	23	30	682	14	54	639	43	363	1
15	22	8	357	15	45	303	54	17	0	47.9	12	18	30.6	17.3	0	16	675	17	33	632	43	321	1
16	21	30	362	17	19	298	64	16	30	44.6	9	54	27.9	16.7	1	57	658	12	10	615	43	342	1
17	21	0	356	13	50	318	38	16	0	43.6	12	43	29.4	14.2	22	37	651	16	30	618	33	244	1
18	20	40	382	17	30	314	68	21	14	44.7	13	30	31.2	13.5	3	20	647	12	56	625	22	230	1
19 D	23	26	384	17	8	192	192	17	30	58.3	9	0	21.2	37.1	1	8	626	8	46	581	45	828	1
20	1	10	367	18	0	318	49	18	0	41.0	15	8	26.1	14.9	20	53	640	15	42	629	11	139	1
21 D	3	27	384	19	48	304	80	20	6	43.2	14	26	28.6	14.6	20	2	642	17	47	625	17	221	1
22	11	30	362	17	12	318	44	15	20	44.2	9	0	26.3	17.9	0	2	637	11	30	613	24	204	1
23 Q	7	10	351	15	50	310	41	18	43	39.4	13	20	31.5	7.9	23	0	634	17	4	620	14	148	0
24 Q	22	50	360	17	50	316	44	9	0	46.9	5	18	29.6	17.3	7	50	632	9	31	607	25	210	1
25	12	0	362	16	20	314	48	18	0	39.0	12	48	28.6	10.4	4	57	632	14	30	615	17	165	0
26 Q	1	0	355	16	8	315	40	6	54	41.2	14	12	28.6	12.6	18	57	631	7	8	612	19	170	1
27 Q	23	35	356	17	30	312	44	19	6	40.8	3	10	26.8	14.0	6	30	630	15	32	615	15	159	1
28	9	20	365	16	36	310	55	19	0	42.6	13	27	28.2	14.4	23	30	634	9	30	607	27	230	1
29																							
30																							
31																							
Mean			367			294	73			44.8			28.0	16.8			656			610	46	381	0.93
No. days			28			28	28			28			28	28			28			28	28	28	28

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 57. Agincourt. (H.) 15,000 γ + March, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	333	334	344	348	349	348	349	352	360	350	341	326	328	331	318	318	309	317	335	365	373	381	408	336	344
2	320	324	318	307	323	323	321	290	306	322	306	304	309	300	283	273	287	295	309	325	336	339	335	332	312
3 Q	324	333	337	338	339	340	340	340	342	344	343	334	325	316	310	304	304	314	326	336	339	340	340	343	332
4	345	346	345	343	345	346	350	351	346	348	348	349	343	338	324	311	306	314	322	331	337	342	344	355	339
5 D	356	355	346	348	345	337	348	348	351	335	278	300	287	248	335	320	313	316	307	324	326	343	324	324	326
6	327	334	326	334	333	333	332	334	336	336	334	331	324	314	306	304	304	313	323	330	332	336	336	342	327
7 Q	345	343	343	346	347	346	347	348	348	347	345	342	336	327	324	321	317	323	334	343	347	347	348	353	340
8 Q	355	353	351	352	351	352	352	354	353	352	351	348	346	339	333	326	317	316	324	334	343	349	355	360	344
9	363	354	351	349	348	347	350	354	354	354	351	350	348	336	326	326	331	328	343	345	358	355	355	357	347
10	354	356	355	355	353	352	356	358	357	360	356	355	351	343	331	324	326	324	333	340	347	355	355	354	348
11 Q	360	362	362	362	365	363	365	365	365	363	363	358	349	338	327	318	312	318	328	339	343	347	352	358	349
12 Q	359	360	360	357	358	358	360	361	360	360	360	356	350	341	328	321	317	322	331	343	353	355	356	360	349
13	365	365	365	366	365	366	367	367	369	368	366	362	355	343	335	326	323	331	341	346	356	367	386	382	358
14	341	309	336	332	329	327	331	327	331	326	323	328	328	316	297	283	283	283	307	324	331	344	344	345	322
15 D	344	345	343	344	349	383	304	281	278	299	316	286	262	234	275	298	299	289	290	300	317	331	342	343	308
16	345	340	340	339	338	343	342	341	341	340	336	336	332	326	324	321	314	317	321	324	345	344	343	348	335
17	345	342	336	338	344	345	350	348	351	348	345	346	339	328	320	304	300	303	308	326	348	348	350	354	336
18	354	351	351	350	348	343	334	338	345	346	348	345	344	336	322	307	292	294	309	331	347	346	348	354	337
19	350	346	348	350	348	348	352	351	353	348	353	355	348	335	318	304	295	304	317	331	341	351	356	357	340
20	353	348	351	348	343	346	344	346	348	351	351	351	346	329	318	303	304	312	322	336	343	347	350	355	339
21	355	355	356	355	355	353	352	355	356	357	358	356	346	331	318	304	307	321	336	350	350	355	362	368	346
22	360	353	361	360	360	344	351	360	370	368	359	342	314	330	312	298	278	278	293	308	327	345	350	338	335
23	318	328	331	333	329	324	340	341	337	343	345	343	337	310	312	306	302	307	324	341	343	349	348	349	331
24	349	347	343	346	346	350	347	343	346	348	349	347	344	332	319	295	294	299	309	316	336	350	345	355	336
25	345	346	349	350	352	350	351	354	355	344	355	351	343	326	317	299	301	308	315	331	339	348	355	353	339
26	358	356	355	353	356	356	356	355	355	358	362	356	348	332	323	315	309	307	318	334	347	382	368	377	347
27 D	358	330	333	324	319	330	339	350	345	336	332	306	299	297	259	287	287	292	300	306	329	344	343	332	320
28	326	330	328	314	318	319	297	287	332	332	344	341	331	319	307	292	285	296	314	326	339	342	350	343	321
29	340	340	343	345	334	343	345	347	346	346	350	347	343	339	319	304	297	299	304	312	331	355	356	350	334
30	343	338	342	339	353	341	343	346	350	353	355	355	347	331	322	316	312	318	337	336	333	353	358	360	341
31 D	357	363	351	361	338	316	185	19	21	229	331	302	297	283	269	259	264	285	337	283	347	360	315	326	285
Mean	347	345	345	345	344	343	339	333	336	342	343	339	332	321	314	306	303	308	320	331	341	350	351	351	335

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 58. Agincourt. (D.) 7° + . . . ′ March, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	40.6	36.2	35.8	36.5	36.9	36.6	35.7	35.2	35.1	32.2	31.0	33.0	31.4	31.9	30.2	35.9	38.0	41.9	42.1	42.0	43.0	46.1	43.3	38.8	37.1
2	37.4	36.0	36.1	31.7	34.2	34.8	33.2	39.0	35.0	33.0	32.2	36.5	29.5	28.3	33.8	42.0	46.1	44.3	43.0	41.1	41.0	38.9	38.3	37.8	36.8
3 Q	37.7	37.4	37.2	37.1	37.2	37.4	37.3	37.3	36.6	35.7	34.2	33.4	32.2	31.0	34.2	37.2	39.7	40.8	40.2	39.2	38.4	37.8	37.9	38.2	36.9
4	37.7	37.5	37.3	36.2	36.6	36.3	36.3	34.7	34.2	33.8	34.2	33.9	33.4	31.2	32.9	34.2	37.8	40.4	40.6	40.1	38.3	37.2	38.3	37.8	36.3
5 D	37.4	37.4	36.2	36.5	34.7	32.8	38.5	33.8	32.0	28.0	31.0	28.2	22.4	44.2	43.2	39.5	40.2	41.4	43.3	40.8	38.2	37.8	38.2	39.8	36.5
6	40.0	36.8	38.3	37.0	36.9	36.7	36.0	35.0	34.0	34.0	33.6	33.4	31.9	31.3	33.3	36.1	38.6	40.2	40.3	39.5	39.2	38.8	38.8	38.7	36.6
7 Q	37.7	37.3	37.3	37.2	37.1	36.4	36.4	35.8	35.6	35.2	34.9	34.2	33.3	32.5	34.4	36.6	39.0	41.1	42.3	40.5	39.5	38.5	38.7	38.5	37.1
8 Q	37.4	37.2	36.4	36.4	36.4	36.3	35.7	35.6	35.3	34.8	34.2	33.7	32.8	31.5	31.3	34.1	36.8	38.2	38.7	38.5	38.0	38.0	38.2	37.5	36.0
9	38.0	39.7	40.4	38.0	37.8	35.3	35.2	34.3	34.2	33.9	34.2	33.5	32.8	31.9	31.4	35.5	37.9	40.0	41.3	41.2	40.8	39.7	39.5	38.9	36.9
10	38.3	37.2	36.5	37.3	36.0	35.2	34.3	35.5	34.2	32.5	32.8	33.2	32.2	31.1	31.9	35.8	40.3	41.3	40.6	39.6	38.7	38.0	38.0	38.0	36.2
11 Q	37.1	36.7	36.2	36.1	36.0	35.8	35.2	34.8	34.1	33.6	32.8	32.3	30.1	27.9	32.2	34.8	39.7	42.8	43.2	42.9	41.1	38.2	36.3	37.7	36.2
12 Q	37.7	36.9	36.2	36.1	36.1	35.8	35.7	35.3	34.7	34.1	33.8	32.8	31.4	30.4	31.7	35.3	39.1	41.5	41.7	41.1	39.6	37.8	37.7	38.1	36.3
13	37.2	36.7	36.3	36.1	35.7	34.7	34.4	34.3	33.7	32.8	32.7	31.7	30.8	28.7	30.1	32.2	36.7	42.2	44.1	43.0	40.8	38.8	39.6	45.0	36.2
14	32.6	31.1	34.2	27.7	36.9	34.0	30.0	33.0	34.0	33.1	35.8	36.4	31.0	30.0	30.5	35.3	40.0	43.2	43.7	43.1	42.8	41.6	40.8	42.7	36.0
15 D	39.1	34.3	35.7	35.0	35.0	38.1	28.1	24.4	23.8	21.0	39.8	50.0	42.2	52.7	50.7	42.1	39.1	41.3	43.2	41.9	39.2	38.1	37.2	37.4	37.9
16	37.1	36.8	36.8	36.8	36.3	36.1	35.8	35.3	35.0	34.8	33.9	32.9	31.1	30.0	31.8	33.7	37.8	39.5	41.3	43.1	40.7	38.6	37.4	37.1	36.2
17	37.1	34.2	31.7	35.0	36.7	35.7	34.0	34.1	34.1	32.4	34.4	33.7	31.4	29.9	30.8	33.1	35.4	37.7	41.2	42.1	42.2	40.9	38.5	36.3	35.5
18	36.2	35.9	35.6	32.7	32.2	30.8	29.8	33.0	32.6	32.6	35.1	34.2	30.1	28.9	27.9	30.6	36.2	42.1	44.1	43.2	42.8	40.9	39.3	37.9	35.2
19	37.6	38.0	35.5	34.9	35.9	35.8	35.7	35.9	36.8	35.2	34.9	34.4	30.9	28.6	28.5	32.7	35.9	40.1	42.5	42.4	41.4	39.7	38.9	38.1	36.3
20	38.9	37.1	35.9	35.8	34.7	33.8	33.8	34.7	35.1	34.6	34.7	33.4	31.2	28.9	31.0	32.7	38.2	41.2	42.5	42.2	41.3	40.4	40.1	39.2	36.3
21	37.5	36.5	36.3	35.8	34.2	33.7	33.5	33.7	33.9	34.1	34.1	32.4	30.2	28.4	27.0	32.9	36.7	40.5	42.1	42.4	42.6	40.9	40.2	37.9	35.7
22	37.6	37.3	36.2	36.0	34.9	29.7	32.2	33.6	33.4	33.1	32.7	32.7	49.1	37.9	33.1	35.7	40.2	43.4	43.5	43.3	42.7	40.5	39.1	36.6	37.3
23	32.0	34.0	35.6	35.3	32.1	35.7	35.1	34.5	35.1	35.3	35.9	35.4	33.6	34.7	33.1	35.3	39.1	41.2	40.9	40.6	40.0	39.1	38.6	38.2	36.3
24	37.3	36.2	35.1	36.1	36.2	36.3	34.4	34.2	34.2	34.2	35.1	34.2	32.1	31.7	31.7	34.7	39.3	42.6	44.2	43.7	42.3	40.3	35.9	36.2	36.6
25	36.2	36.3	36.3	37.1	36.6	36.1	35.6	35.9	36.4	39.1	32.3	31.4	30.3	30.5	31.9	35.0	40.0	43.4	44.1	43.9	42.7	40.6	38.2	37.9	37.0
26	37.2	36.7	36.5	35.6	36.1	35.8	34.7	35.6	35.1	34.3	34.2	31.8	29.3	30.8	31.2	33.1	38.1	40.8	42.7	43.0	41.2	39.1	36.6	32.2	35.9
27 D	35.5	37.1	36.1	28.1	29.2	36.0	31.5	30.8	27.3	33.7	30.8	37.1	42.8	45.4	36.4	46.7	44.1	44.0	45.7	44.1	41.0	37.4	36.9	35.6	37.2
28	32.0	28.7	36.1	28.6	28.7	30.7	31.1	33.1	36.8	39.2	35.4	30.6	28.2	26.7	31.3	35.2	38.5	41.4	42.6	42.6	42.6	40.9	38.3	39.0	34.9
29	38.7	38.3	34.5	33.2	35.8	36.4	36.1	36.7	35.7	35.9	35.3	33.2	30.8	28.1	29.2	32.5	37.4	41.6	45.8	46.9	45.3	42.7	40.8	40.0	37.1
30	39.1	38.2	36.8	36.7	34.1	34.3	34.2	35.0	34.7	34.1	33.9	31.7	28.7	26.8	26.2	30.3	34.8	40.2	43.2	43.7	44.4	41.7	40.5	38.4	35.9
31 D	37.4	38.1	35.1	34.2	33.7	24.8	35.1	35.3	55.1	28.4	33.1	35.3	35.0	31.8	33.2	36.8	40.1	41.2	37.6	44.0	43.6	43.7	42.3	34.4	37.0
Mean	37.2	36.4	36.1	35.0	35.2	34.7	34.3	34.5	34.7	33.5	33.9	33.8	32.3	32.0	32.4	35.4	38.7	41.3	42.3	42.1	41.1	39.7	38.8	38.0	36.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 59. Agincourt. (Z.) 56,000 γ + March, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	636	636	630	629	626	624	625	622	622	612	607	610	612	616	606	603	602	607	610	615	619	665	782	680	629
2	652	638	652	656	635	628	629	597	583	614	606	610	607	610	609	616	620	621	628	639	636	633	631	631	628
3 Q	631	630	630	630	628	627	625	624	621	621	621	622	623	618	619	618	614	614	617	618	621	619	618	621	622
4	620	619	620	620	620	620	618	613	617	620	618	620	623	624	618	618	620	623	624	624	626	624	622	626	621
5 D	622	623	626	626	622	619	612	627	622	588	480	506	568	565	558	580	595	610	622	619	619	627	633	634	600
6	640	633	634	629	629	626	626	625	622	623	622	624	625	622	621	622	624	625	626	627	626	626	625	625	626
7 Q	623	621	621	621	621	621	621	621	621	618	619	620	621	621	617	617	617	617	617	621	617	617	618	620	620
8 Q	620	619	617	619	617	618	618	618	618	618	617	617	619	620	616	613	613	613	616	619	618	618	618	624	617
9	619	623	623	626	623	626	623	623	622	619	615	616	617	617	616	615	611	612	615	615	618	618	616	619	619
10	618	617	617	616	615	614	614	612	613	610	608	610	614	611	606	607	606	610	608	607	606	607	608	608	611
11 Q	608	607	607	606	607	607	605	606	606	607	606	607	606	605	601	600	602	606	606	608	610	613	609	607	606
12 Q	607	606	606	606	606	606	606	606	606	605	606	606	608	609	604	601	599	600	606	608	607	607	606	609	606
13	606	606	606	606	606	606	606	606	606	606	605	606	607	606	605	603	601	603	601	602	605	614	624	714	610
14	792	690	717	683	605	576	588	612	614	609	605	608	616	622	614	612	615	619	623	624	626	625	626	629	631
15 D	634	626	627	622	618	604	559	566	565	560	520	488	534	549	543	580	594	599	604	604	611	611	611	609	585
16	607	607	606	604	606	605	604	605	604	605	607	607	605	605	605	603	601	602	603	603	608	610	610	610	605
17	608	607	609	612	613	609	608	601	590	602	602	604	603	606	606	602	602	604	609	616	616	617	622	616	607
18	608	606	605	605	605	604	598	603	603	603	603	605	608	608	609	607	602	608	609	610	615	616	612	615	612
19	614	614	611	609	609	608	607	607	604	596	598	603	605	605	610	606	604	607	607	611	607	614	614	615	608
20	614	613	613	613	614	614	612	612	610	606	606	613	613	613	608	606	606	606	606	612	610	610	613	610	610
21	610	609	610	609	609	608	609	607	609	609	608	609	612	612	607	599	598	601	602	603	601	603	603	605	606
22	605	605	604	604	604	597	608	604	604	599	586	588	569	552	573	592	595	604	613	620	621	623	626	626	601
23	620	616	614	607	606	595	595	596	594	603	605	605	606	604	607	599	597	601	603	610	610	607	607	609	605
24	609	606	609	609	609	602	602	602	602	600	602	605	604	606	608	606	605	605	609	613	613	616	615	614	607
25	609	608	607	605	603	603	601	596	580	573	587	601	601	604	598	594	596	593	596	601	601	601	601	601	598
26	600	599	598	600	599	599	597	596	591	593	593	593	596	600	593	593	593	593	595	600	600	606	600	616	597
27 D	635	642	625	610	609	603	585	572	571	568	548	547	550	532	556	578	591	601	606	619	634	638	645	633	596
28	630	600	614	612	595	591	567	538	561	539	577	598	600	597	592	594	598	591	592	598	600	606	614	614	592
29	607	601	597	585	590	596	592	590	593	593	597	597	598	597	597	592	593	597	600	600	600	604	607	608	597
30	607	608	604	599	570	581	591	593	596	596	596	597	598	596	590	589	589	583	586	595	592	592	593	593	593
31 D	592	592	595	591	583	505	396	364	365	460	596	590	594	598	594	600	617	634	684	665	679	675	651	641	578
Mean	623	616	617	614	609	604	598	595	595	596	595	600	602	602	601	602	605	607	611	613	615	618	621	622	608

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 60 Agincourt — March 1937.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 D	22	0	436	16	30	303	133	21	57	50.3	14	37	28.0	22.3	22	31	824	16	4	598	226	1484	1
2	21	20	345	8	0	249	96	16	0	46.8	3	0	19.5	27.3	0	4	772	7	54	554	218	1383	1
3 Q	23	50	345	16	0	302	43	18	0	41.2	13	0	31.0	10.2	1	0	631	16	40	614	17	164	0
4	23	10	360	16	0	305	55	18	0	41.3	14	28	28.7	12.6	20	50	626	7	12	611	15	170	0
5 D	7	30	373	13	57	232	141	14	0	53.5	12	25	18.9	34.6	23	40	639	10	27	450	189	1287	1
6	23	58	347	15	40	302	45	1	56	42.3	1	33	29.8	12.5	0	53	645	1	54	618	27	216	1
7 Q	23	30	355	16	25	314	41	18	0	42.1	13	0	31.8	10.3	0	2	622	17	40	617	5	91	0
8 Q	23	20	363	17	20	314	49	17	56	39.5	14	0	31.2	8.3	22	50	623	16	0	612	11	137	0
9	0	15	365	15	6	322	43	4	23	41.8	14	0	30.2	11.6	4	0	629	17	10	609	20	179	1
10	8	35	362	17	0	321	41	16	45	41.4	12	50	28.5	12.9	8	0	614	15	8	601	13	131	0
11 Q	4	30	370	16	0	312	58	18	10	43.5	13	18	27.4	16.1	22	0	613	15	30	599	14	168	0
12 Q	23	45	364	17	0	314	50	18	30	42.2	13	40	29.6	12.6	12	10	612	16	10	599	13	147	0
13	23	59	418	16	0	321	97	23	16	50.7	13	50	27.8	22.9	23	59	923	16	40	601	323	1972	2
14	0	2	420	17	14	272	148	0	3	51.4	3	30	17.7	33.7	0	1	916	4	54	542	374	2337	2
15 D	1	16	366	13	3	196	170	11	8	63.7	8	48	19.1	44.6	0	57	644	11	20	459	185	1310	2
16	21	14	356	19	41	317	39	19	0	44.0	13	20	29.9	14.1	21	20	614	16	38	597	17	153	1
17	23	55	361	17	0	297	64	20	47	42.7	13	43	28.1	14.6	22	0	623	8	40	586	37	308	1
18	0	5	361	17	4	284	77	18	17	44.1	14	20	27.0	17.1	21	0	616	6	40	598	18	221	0
19	23	57	358	16	17	294	64	18	40	42.7	14	40	27.7	15.0	23	15	617	9	30	596	21	218	0
20	23	8	357	16	6	302	55	18	43	43.1	13	33	28.7	14.4	0	40	616	15	13	606	10	143	0
21	23	57	383	15	34	299	84	19	40	43.1	14	20	26.1	17.0	23	56	613	16	17	597	16	220	0
22	0	2	383	17	0	268	115	12	18	54.1	5	30	25.8	28.3	21	8	631	13	13	544	87	664	1
23	19	54	353	15	50	297	56	18	0	42.4	4	27	29.0	13.4	0	26	625	6	2	587	38	295	1
24	21	32	360	16	0	284	76	19	0	44.9	4	30	30.4	14.5	22	30	618	7	0	598	20	232	1
25	8	3	358	15	30	297	61	18	43	44.5	12	43	29.1	15.4	0	2	611	9	20	566	45	350	1
26	21	45	402	17	10	304	98	18	50	43.6	13	6	27.3	16.3	23	50	633	9	4	590	43	400	1
27 D	22	2	362	14	52	234	128	12	40	50.5	3	58	21.1	29.4	0	53	672	13	0	527	145	1018	1
28	8	30	356	7	30	260	96	9	4	44.4	0	52	11.3	33.1	0	48	649	7	32	516	133	901	1
29	21	50	360	16	51	295	65	19	0	47.1	2	50	25.2	21.9	23	20	611	3	30	582	29	266	1
30	4	23	375	19	38	312	62	20	17	45.4	4	15	23.2	22.2	1	0	611	4	36	551	60	440	1
31 D	3	18	383	8	33	-115	498	8	44	74.8	6	6	13.9	60.9	18	37	726	8	47	147	579	3931	2
Mean			370			278	92			46.6			25.9	20.7			659			564	95	676	0.77
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 61. Agincourt. (H.) 15,000 γ + April, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	316	317	327	320	322	326	327	332	329	330	335	327	324	317	302	298	305	313	325	336	347	361	345	337	325
2	337	325	327	333	336	321	340	339	320	340	320	321	335	320	303	294	395	300	327	359	354	359	357	341	329
3	332	319	311	304	313	313	320	308	285	291	305	306	298	310	290	284	284	293	296	325	358	357	363	329	312
4	332	332	332	332	334	338	340	343	334	344	347	344	333	315	305	307	311	317	326	334	344	327	333	345	327
5	345	344	338	346	347	342	344	344	341	342	344	342	337	320	305	303	308	317	324	337	338	346	351	353	336
6	354	355	359	356	354	352	354	355	349	350	346	340	338	332	332	324	327	323	328	333	346	358	363	364	345
7	364	361	361	361	361	361	360	361	359	363	364	364	359	344	329	321	322	326	332	341	352	359	371	374	353
8 Q	374	371	370	366	364	362	361	361	361	361	357	357	352	340	322	313	317	328	341	351	359	369	369	371	354
9 Q	370	369	363	359	359	359	359	359	362	362	363	361	357	346	336	321	325	340	350	357	361	366	369	366	356
10 Q	364	364	361	361	361	362	362	364	364	366	363	361	356	346	332	323	327	342	359	362	366	376	365	353	357
11	358	334	332	341	356	355	358	361	361	366	366	361	356	342	322	312	313	318	332	352	361	368	359	371	349
12	369	368	366	361	358	361	363	366	368	381	386	386	368	325	313	298	317	319	330	353	380	384	351	353	355
13	332	327	343	347	345	344	341	338	337	342	344	339	337	336	326	313	312	313	324	341	357	355	352	341	337
14 Q	346	349	347	347	346	341	348	344	343	343	343	341	337	332	325	322	323	333	342	344	344	351	357	352	342
15	352	352	353	354	354	348	351	354	355	356	356	354	351	354	337	328	325	323	320	324	337	348	359	363	346
16 Q	364	363	362	362	363	364	365	366	362	359	354	349	356	347	332	322	318	325	337	347	357	362	366	371	353
17	364	365	364	366	364	364	359	359	370	375	374	371	363	351	335	323	324	337	346	356	357	355	357	366	357
18	371	362	341	356	359	362	368	363	365	366	366	361	359	341	320	307	305	312	323	337	353	357	369	355	349
19	354	354	356	358	364	366	354	356	356	361	355	353	352	335	325	317	320	330	342	349	364	361	349	354	349
20	353	356	357	363	358	358	362	362	359	346	352	348	348	342	324	315	320	330	345	357	362	364	363	368	351
21	367	361	358	328	334	348	343	345	343	349	353	357	346	334	314	309	324	331	340	347	358	362	362	363	345
22	360	358	358	357	357	358	358	358	357	358	358	356	345	331	319	310	318	324	342	360	367	376	372	363	351
23	360	360	359	359	362	359	359	357	358	360	363	359	350	328	313	303	315	333	354	374	362	369	369	355	352
24 D	354	356	350	355	362	357	350	351	352	349	345	345	348	342	318	309	313	375	393	495	474	496	529	611	385
25 D	577	424	301	296	282	282	294	291	290	304	308	299	289	279	285	270	287	311	325	407	374	331	388	413	329
26 D	331	328	338	313	321	325	295	296	320	319	318	323	319	313	309	306	304	313	354	418	479	529	597	516	358
27 D	430	313	281	242	261	270	245	265	271	275	285	284	275	265	267	265	267	289	315	329	441	514	577	568	325
28 D	428	436	165	82	-83	-107	-141	-151	-175	5	-95	34	239	203	165	251	290	300	368	338	324	339	376	349	164
29	322	315	311	306	310	310	295	275	266	266	289	296	289	288	282	304	301	325	362	383	364	385	365	364	315
30	344	320	317	313	326	325	301	299	299	287	289	287	291	271	255	259	275	295	347	378	388	405	400	364	317
31																									
Mean	364	352	337	331	328	327	324	323	322	328	328	330	333	323	307	304	309	321	338	357	360	376	383	379	337

MAGNETIC DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 62. Agincourt. (D.) West. 7° + . . . ′ April, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	37.6	37.1	36.2	37.2	36.6	37.2	37.3	36.4	37.2	38.1	36.0	33.7	31.8	30.1	31.2	36.2	38.1	40.8	44.2	45.2	44.2	42.4	41.8	40.1	37.8
2	37.2	34.4	35.8	34.7	35.6	40.7	34.7	32.1	32.2	35.2	37.4	36.5	28.7	27.8	29.1	34.8	38.7	43.1	43.7	44.2	47.4	44.5	41.4	39.6	37.1
3	40.7	38.3	38.1	36.6	37.9	36.5	35.0	34.1	28.1	31.1	36.6	40.1	39.2	34.1	31.2	33.9	36.7	37.1	39.7	42.8	42.6	38.4	34.0	38.7	36.8
4	37.4	34.5	33.4	35.4	36.2	35.6	34.7	33.7	31.6	37.2	36.0	34.1	32.3	32.9	32.6	35.8	38.4	39.9	42.9	43.5	44.1	42.9	40.1	38.3	36.8
5	38.1	38.4	38.2	40.1	38.1	37.1	36.6	35.7	35.1	34.2	34.2	32.9	31.1	30.6	32.8	39.6	43.1	44.9	45.8	44.9	43.2	40.8	39.2	38.4	38.0
6	37.6	37.1	36.9	36.9	36.1	35.9	35.0	34.7	34.7	34.1	33.6	33.4	32.9	29.0	30.8	34.8	39.9	43.5	46.3	46.8	45.1	41.8	39.6	38.5	37.3
7	37.9	37.0	36.6	36.2	36.1	35.9	35.8	35.6	35.3	34.3	33.2	31.1	29.7	29.1	31.1	34.8	38.7	41.7	42.8	42.8	41.3	39.4	38.5	38.1	36.4
8 Q	37.6	37.2	37.2	37.0	36.6	35.8	35.7	34.9	34.5	33.8	33.4	31.9	30.1	28.8	30.6	34.4	39.9	42.7	43.3	43.9	42.7	40.9	39.1	38.1	36.7
9 Q	37.6	36.7	36.6	36.1	36.1	35.9	35.3	35.0	34.8	34.2	33.3	31.8	30.8	29.1	29.3	32.6	38.7	42.1	44.2	43.8	42.7	40.1	38.4	37.0	36.3
10 Q	36.7	36.6	36.6	36.6	36.3	36.2	35.6	35.2	34.9	34.2	33.8	32.6	31.1	29.9	32.7	38.1	41.6	43.1	42.6	41.7	40.7	39.1	37.4	37.7	36.7
11	32.1	27.1	32.9	35.3	36.5	36.9	36.2	35.9	36.7	33.5	32.1	31.0	27.4	25.9	30.0	35.7	41.5	47.3	48.3	45.6	42.9	39.7	37.4	36.9	36.0
12	36.6	36.2	36.1	35.8	35.6	35.3	34.9	34.1	34.0	31.0	30.1	27.2	25.9	29.1	36.1	44.5	51.5	53.9	53.4	52.2	47.8	44.4	42.3	41.6	38.7
13	37.1	38.5	37.2	36.9	36.8	36.7	35.8	37.2	33.3	33.6	34.5	31.1	31.6	30.1	30.7	35.0	38.7	41.0	45.6	45.6	44.4	40.9	39.4	38.8	37.1
14 Q	38.4	37.3	37.0	36.4	36.8	35.9	35.0	35.9	35.1	35.7	35.6	34.1	33.1	31.4	33.4	36.6	40.1	44.0	46.8	47.4	46.7	43.9	41.1	38.4	38.2
15	37.3	36.5	36.6	36.0	36.1	36.0	36.7	36.7	34.6	35.1	34.0	33.1	32.7	30.8	30.1	33.2	36.0	40.9	45.4	46.6	45.6	43.7	41.5	43.4	37.2
16 Q	36.6	36.4	36.0	35.9	35.7	35.7	35.5	35.2	34.3	34.4	33.6	36.0	34.1	31.7	32.7	35.0	38.3	43.4	46.7	45.7	43.1	41.2	39.8	37.8	37.3
17	37.5	36.7	36.7	35.9	34.1	33.0	32.4	30.9	32.9	31.2	30.9	31.1	30.0	30.0	32.3	36.4	41.1	43.3	44.0	43.0	43.0	41.3	40.6	39.0	36.1
18	37.1	35.8	37.6	34.7	36.0	35.8	35.2	35.9	33.9	33.5	32.8	32.5	32.6	31.7	36.0	39.2	44.5	47.8	49.1	47.4	44.3	41.1	38.3	36.9	37.9
19	35.2	38.0	36.9	36.0	36.0	36.4	35.4	34.4	34.1	33.1	33.6	32.0	30.3	29.6	34.1	38.3	43.1	45.5	45.2	43.6	42.6	40.3	38.5	36.2	37.0
20	36.4	36.4	30.0	30.1	35.0	34.9	37.0	34.7	34.2	34.0	33.6	33.1	31.6	31.3	33.3	36.5	40.1	43.5	46.0	44.1	41.6	40.2	38.6	37.6	36.4
21	36.0	36.0	35.2	30.5	32.2	35.2	35.6	38.5	38.1	34.5	29.5	29.1	31.1	31.3	34.1	39.5	41.9	42.1	42.1	41.1	40.6	40.1	38.5	37.2	36.3
22	37.1	37.0	36.6	36.6	36.0	35.2	35.6	35.1	36.0	33.1	32.2	31.2	30.9	32.1	33.6	37.1	41.1	43.5	44.3	44.4	41.9	39.6	38.1	36.7	36.9
23	36.6	37.2	37.1	37.1	36.1	35.2	35.2	35.1	35.7	34.0	32.8	31.2	30.0	30.4	32.3	38.1	42.4	44.6	46.0	45.0	44.1	41.3	39.1	38.1	37.3
24 D	37.8	37.2	36.1	37.5	37.6	38.3	37.8	36.9	36.1	33.5	33.5	31.6	30.1	31.7	36.5	37.6	43.1	45.1	47.0	47.2	50.6	51.3	37.8	38.6	38.8
25 D	31.3	29.9	38.8	41.1	42.7	37.2	37.8	36.5	36.5	35.9	34.0	31.4	29.9	30.2	33.7	36.1	35.4	46.1	46.0	45.1	50.6	54.9	48.8	40.2	38.8
26 D	44.0	41.2	38.0	37.1	35.2	34.2	40.9	39.3	35.1	32.7	30.9	28.8	27.8	29.1	30.1	34.6	37.9	41.0	44.0	42.5	45.4	38.7	28.3	45.6	36.8
27 D	42.2	48.2	44.5	48.0	42.4	45.8	40.7	37.5	36.8	37.6	34.3	31.5	28.7	26.9	27.0	31.1	36.0	38.2	37.9	35.9	32.2	28.2	30.9	46.6	37.0
28 D	35.4	61.2	41.9	52.5	43.6	93.2	61.6	64.9	67.7	32.8	60.0	73.5	32.9	25.0	42.5	36.5	42.1	40.4	34.6	39.4	39.0	35.9	28.1	31.2	46.4
29	38.2	40.1	40.2	39.9	38.9	38.4	43.0	39.7	39.4	38.2	37.4	33.4	35.4	37.0	35.1	37.5	38.4	40.0	41.5	40.4	42.9	38.2	37.7	34.7	38.6
30	35.0	36.3	36.1	38.1	38.0	38.0	37.4	33.9	31.9	32.1	34.2	37.9	39.9	38.4	39.6	44.6	43.1	41.3	37.4	35.9	37.3	40.2	37.5	38.5	37.6
31																									
Mean	37.2	37.7	36.9	37.2	36.9	38.4	37.1	36.5	35.8	34.2	34.5	33.9	31.4	30.5	32.8	36.6	40.3	43.0	44.2	43.9	43.3	41.1	38.4	38.5	37.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 63. Agincourt. (Z.) 56,000 γ + April, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	624	615	598	602	601	601	601	600	594	585	594	598	601	601	598	601	601	602	603	601	605	614	616	617	603
2	618	618	622	610	607	589	589	579	564	589	563	562	593	602	607	604	602	600	611	632	636	648	651	648	606
3	640	642	651	636	554	526	586	562	541	526	544	577	581	593	614	616	615	620	625	626	643	656	651	647	603
4	624	621	619	612	608	604	598	589	582	581	582	589	592	595	603	603	600	596	599	604	612	615	615	610	602
5	608	607	606	601	602	605	606	606	603	602	604	604	601	602	602	606	603	602	606	607	607	608	605	605	605
6	604	602	604	604	602	602	601	601	601	601	601	601	601	598	619	613	613	622	625	629	629	629	629	628	611
7	623	622	621	621	621	621	621	621	620	620	622	622	623	623	619	613	611	609	613	616	618	618	621	621	619
8 Q	617	614	614	614	614	614	615	614	614	614	615	616	617	615	603	599	599	605	609	612	614	614	613	612	612
9 Q	609	610	609	610	610	610	609	609	611	609	610	611	608	606	605	598	597	600	604	606	607	610	611	609	607
10 Q	606	607	605	605	607	605	607	605	606	604	604	608	607	605	601	593	590	590	593	597	601	608	609	612	603
11	614	604	601	610	610	604	603	604	596	595	596	600	600	596	596	592	592	593	599	601	604	606	605	603	601
12	602	602	600	600	601	600	600	600	602	600	600	600	600	601	589	587	591	600	620	634	669	685	650	638	611
13	665	649	629	618	615	615	612	596	591	605	614	612	610	608	608	606	605	610	618	622	629	636	633	622	618
14 Q	617	616	617	615	615	615	611	614	614	615	615	615	615	616	615	611	606	611	617	622	622	626	627	622	616
15	621	621	617	617	616	614	616	607	609	611	613	613	614	613	610	608	607	607	608	609	614	617	621	619	613
16 Q	614	613	612	612	611	611	610	610	608	605	607	606	602	604	586	584	584	588	589	592	596	600	600	601	602
17	596	596	596	595	595	588	595	596	596	596	596	595	595	592	587	585	581	585	588	595	601	604	600	597	594
18	596	596	611	600	600	598	588	591	594	594	594	592	586	587	584	584	584	591	595	604	607	608	611	607	596
19	606	599	596	595	593	580	588	596	594	593	591	590	587	586	584	583	579	586	589	598	608	611	607	607	593
20	602	597	593	581	585	590	585	581	582	587	590	589	586	589	581	574	574	580	590	592	593	596	593	596	588
21	593	589	571	575	584	593	589	563	560	562	573	582	575	582	585	582	578	582	586	587	590	591	587	586	581
22	582	578	578	581	582	582	582	578	578	582	582	584	584	584	576	578	578	582	589	596	597	596	594	597	584
23	593	589	589	587	586	585	585	585	586	587	586	586	586	585	585	583	585	588	593	602	605	598	600	598	590
24 D	597	594	594	593	587	581	582	578	585	587	588	587	586	578	578	571	577	578	582	610	652	807	880	612	611
25 D	772	772	702	659	634	618	615	614	621	625	626	625	624	623	621	610	614	606	611	638	656	672	698	740	650
26 D	680	672	675	645	640	635	601	582	600	611	615	610	603	593	589	587	592	596	602	633	691	841	784	665	639
27 D	689	773	679	589	652	656	628	641	649	644	645	645	642	634	633	625	615	611	652	683	750	776	685	610	659
28 D	603	529	469	389	332	395	432	308	327	345	353	374	501	594	604	620	621	634	666	656	644	649	684	660	520
29	633	628	628	626	625	623	594	565	566	581	605	611	602	610	614	617	618	628	638	641	632	645	644	646	617
30	638	633	625	607	607	600	570	575	589	572	559	574	574	589	609	617	629	641	667	687	688	703	706	695	623
31																									
Mean	626	620	611	600	596	595	594	585	586	587	589	592	596	600	600	598	597	601	609	618	627	643	640	624	605

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 64 Agincourt — April, 1937.

Day	Horizontal Force							Declination							Vertical Force							Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	1	8	370	14	36	293	77	19	24	45.6	13	20	29.2	16.4	0	1	626	9	20	587	39	345	1
2	22	35	381	16	10	276	105	20	05	48.4	12	30	25.8	22.6	22	30	658	11	14	546	112	796	1
3	22	40	366	8	50	264	102	4	57	55.2	4	21	18.1	37.1	2	17	662	4	30	443	219	1397	2
4	12	0	347	14	30	300	47	19	00	44.4	13	0	29.9	14.5	0	2	628	9	0	578	50	349	1
5	3	25	355	15	0	296	59	18	00	47.1	13	30	28.9	18.2	21	10	609	3	28	594	15	176	1
6	23	25	368	17	20	322	46	19	23	47.2	13	47	27.9	19.3	21	40	629	13	30	594	35	269	1
7	22	36	379	15	26	313	66	18	43	43.4	13	17	27.7	15.7	12	20	624	17	10	607	17	194	0
8 Q	22	0	380	15	50	315	65	18	48	43.9	13	32	28.1	15.8	22	0	620	16	0	598	22	225	0
9 Q	0	14	373	15	33	318	55	19	03	44.2	13	50	27.9	16.3	4	0	612	16	20	594	18	187	0
10 Q	21	26	385	16	0	320	65	17	40	43.6	13	27	28.6	15.0	23	10	611	16	10	586	25	244	0
11	22	54	374	15	30	307	67	18	00	49.4	0	55	18.9	30.5	1	35	624	9	25	591	33	289	1
12	21	11	396	15	14	281	115	18	00	54.8	12	15	22.8	32.0	21	7	697	15	14	583	114	824	1
13	20	50	371	17	6	308	63	20	00	45.6	14	0	28.9	16.7	0	20	675	7	15	587	88	589	1
14 Q	22	56	362	16	0	319	43	19	00	47.4	13	20	31.0	16.4	22	45	629	16	20	607	22	193	0
15	23	4	368	19	0	315	53	18	55	47.0	14	0	28.4	18.6	0	2	622	18	0	606	16	173	1
16 Q	23	27	378	16	10	315	63	18	50	46.3	13	21	30.6	15.7	7	11	609	15	50	581	28	250	0
17	20	0	388	15	50	319	69	18	50	43.9	13	46	28.9	15.0	21	6	607	16	36	579	28	264	1
18	6	23	383	16	24	301	82	18	32	49.0	13	4	29.9	19.1	22	33	619	7	30	579	40	352	1
19	20	50	400	15	47	307	93	17	50	46.7	13	17	27.1	19.6	21	0	622	5	29	572	50	425	1
20	23	41	376	15	47	309	67	18	00	45.5	3	0	20.0	25.5	0	8	605	7	0	571	34	297	1
21	2	22	389	14	50	304	85	7	18	45.0	3	49	25.6	19.4	1	37	604	7	29	550	54	437	1
22	21	3	382	15	8	306	76	19	13	44.7	12	20	30.0	14.7	19	54	601	15	0	574	27	269	0
23	19	26	383	15	46	300	83	18	13	46.2	12	33	28.1	18.1	20	0	606	15	40	582	24	264	0
24 D	23	0	626	16	5	286	340	21	12	57.2	23	42	11.0	46.2	22	0	1162	23	50	205	957	5890	2
25 D	23	0	626	15	50	188	438	22	3	84.0	16	13	18.0	66.0	23	0	857	16	8	575	282	2269	2
26 D	21	0	601	7	0	266	335	23	42	83.3	22	56	7.3	76.0	22	7	1012	7	0	561	451	3074	2
27 D	22	0	630	4	10	116	514	3	17	69.9	22	20	4.4	65.5	22	20	1148	23	48	338	810	5222	2
28 D	1	15	578	8	0	-221	799	5	30	128.3	7	26	-38.8	167.1	6	10	1121	7	20	210	911	639	2
29	21	12	407	9	30	254	153	6	35	48.2	23	48	30.5	17.7	21	9	660	7	56	555	105	830	1
30	21	37	430	14	50	250	180	21	42	48.0	10	11	29.0	19.0	21	55	714	10	50	547	167	1222	1
31																							
Mean			418			272	146			53.1			22.8	30.3			702			542	160	1123	0.93
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 65. Agincourt. (H.) 15,000 γ + May, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	330	315	318	304	311	315	301	296	304	306	294	292	308	301	303	301	307	306	311	323	348	365	347	338	313
2	335	333	342	335	330	330	332	330	332	332	332	335	335	321	308	304	312	317	326	333	335	333	340	350	329
3	337	344	337	344	342	343	340	340	339	340	340	341	340	330	326	327	328	353	372	366	358	354	353	349	342
4 D	342	345	344	343	342	345	346	347	345	343	340	342	336	330	323	335	351	372	389	403	409	396	415	420	357
5 D	471	277	265	195	129	113	26	127	187	205	166	239	185	221	240	273	323	323	323	333	328	324	324	328	246
6 Q	336	333	330	332	329	331	329	329	331	333	336	338	336	322	313	307	309	314	323	329	334	336	336	336	327
7 Q	337	341	342	343	338	341	341	343	343	342	346	347	348	347	332	324	327	333	336	350	350	353	350	351	341
8	350	346	348	347	349	353	355	352	354	352	354	349	352	342	331	328	336	336	347	357	362	370	363	352	348
9	353	355	361	358	355	360	355	357	345	333	336	346	329	328	324	311	312	319	333	355	370	355	363	365	344
10	350	331	332	351	348	341	345	353	348	344	342	346	342	328	300	310	319	324	338	348	360	348	375	360	340
11	339	331	346	331	332	345	336	337	333	321	321	324	322	311	302	308	308	316	328	337	351	356	348	350	329
12	350	348	346	344	339	347	347	345	345	344	345	348	346	337	333	319	326	339	350	360	363	361	358	361	346
13	363	361	361	361	358	362	352	360	362	362	365	361	348	336	323	316	321	316	336	350	363	364	356	360	351
14	361	361	362	360	361	362	373	372	361	363	365	338	370	348	333	309	312	316	336	343	359	365	362	357	353
15	355	361	353	358	354	350	352	353	356	358	361	356	351	333	322	326	328	343	348	348	354	361	363	380	351
16	362	372	341	351	354	358	358	350	348	351	353	352	341	331	324	312	328	328	337	348	360	368	370	361	348
17	360	356	355	353	352	354	360	360	356	355	358	356	347	328	299	290	292	297	322	345	358	363	367	362	344
18 Q	356	355	354	355	356	360	362	358	358	365	364	362	356	341	321	306	302	317	336	358	379	352	357	355	349
19	355	349	353	353	365	370	346	333	341	345	342	338	333	324	317	297	302	321	331	337	341	343	346	345	339
20 Q	344	344	345	345	345	345	346	348	350	353	350	353	354	349	343	343	348	357	372	372	367	355	348	353	351
21	353	351	348	348	349	350	348	348	350	353	359	361	355	343	323	316	328	331	352	370	375	367	371	361	351
22	357	356	354	354	356	354	355	356	357	361	368	369	361	337	325	315	320	337	337	347	359	366	361	358	351
23 Q	359	361	364	368	351	340	342	334	345	351	353	356	350	332	314	303	308	324	334	346	342	344	356	351	343
24	349	358	357	352	351	351	349	352	352	354	357	357	353	342	327	325	322	325	335	351	362	391	388	368	351
25	378	361	354	339	332	341	345	348	332	320	317	318	331	322	303	282	285	295	315	337	361	393	403	383	337
26	367	337	329	344	322	282	293	309	318	332	342	339	328	318	305	290	287	305	317	337	355	383	369	343	327
27 D	354	349	340	342	335	334	342	343	339	336	342	337	326	312	284	291	309	303	342	400	451	514	436	416	353
28 D	344	324	333	315	274	274	284	313	308	261	255	291	278	234	276	250	284	305	339	421	496	506	501	413	328
29 D	362	308	316	296	259	274	280	318	305	252	299	303	315	308	308	300	299	310	328	339	381	391	386	367	317
30	342	328	337	334	331	332	338	331	329	323	325	320	309	310	311	298	294	318	342	362	362	359	366	376	332
31	360	340	327	327	337	342	340	337	342	347	351	352	346	337	327	317	325	332	343	353	354	376	379	376	345
Mean	355	343	342	338	331	332	329	335	336	333	335	338	333	323	313	307	314	324	338	353	366	371	369	362	338

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 66. Agincourt. (D.) West. 7° + . . . ′ May, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	44.4	39.4	33.5	29.9	33.4	36.2	34.4	34.9	33.9	36.4	36.7	37.9	30.8	30.0	28.7	31.7	34.5	37.4	41.1	42.4	42.0	40.0	39.1	38.8	36.2
2	37.3	37.5	34.3	32.4	33.1	35.5	35.9	35.9	36.4	35.9	33.2	31.2	30.5	29.4	32.1	35.6	37.2	39.3	41.5	42.4	42.5	41.8	38.9	37.0	36.1
3	37.9	37.2	37.2	35.6	36.4	35.5	36.9	38.6	36.2	34.1	33.5	32.5	32.5	33.1	36.0	38.5	40.5	41.9	41.4	42.4	42.0	41.3	40.9	39.0	37.6
4 D	38.1	39.0	37.5	37.1	37.0	37.2	36.5	35.2	34.8	33.9	32.0	30.4	30.3	32.4	36.4	40.8	43.7	43.6	43.7	42.8	43.8	40.9	41.8	39.9	37.9
5 D	32.8	22.9	31.1	41.7	39.2	52.4	67.7	46.9	32.7	28.7	44.0	35.7	41.9	40.4	45.8	52.5	50.0	43.8	42.4	39.8	37.4	36.1	35.9	36.5	40.8
6 Q	37.4	37.6	36.8	35.9	38.3	37.6	37.2	36.1	35.5	34.8	32.5	30.9	30.9	31.6	34.6	38.2	40.8	42.3	42.3	41.5	39.9	38.0	37.2	36.9	36.9
7 Q	37.4	37.7	37.0	36.4	36.1	35.5	35.9	35.7	34.9	33.8	32.4	30.4	29.2	28.7	31.9	35.6	39.8	42.6	43.6	42.7	41.9	40.6	37.8	36.8	36.4
8	37.6	37.6	36.9	36.2	36.2	35.7	35.1	34.5	36.1	34.4	30.7	28.0	28.2	28.7	30.0	34.1	38.0	40.5	42.4	41.6	40.4	38.6	37.4	37.2	35.7
9	35.4	36.6	36.3	35.9	34.3	31.9	33.3	34.2	31.8	37.8	26.7	23.5	25.8	34.8	31.9	38.4	43.1	44.3	46.4	45.0	43.6	42.3	38.9	32.4	36.0
10	31.4	33.3	32.9	32.8	38.8	30.9	34.4	35.8	36.9	37.1	33.9	29.9	28.6	26.8	31.6	36.4	42.1	45.1	45.4	45.5	43.4	39.9	36.4	35.6	36.0
11	33.6	31.3	31.9	28.3	29.4	34.6	31.4	33.7	32.8	36.0	33.4	28.1	26.9	26.6	27.0	31.6	37.1	39.9	42.3	43.4	42.4	38.9	36.9	37.0	33.9
12	34.4	35.7	35.4	35.8	35.1	33.9	33.3	34.1	35.3	33.4	30.8	27.9	25.9	24.8	26.6	32.9	38.1	42.9	44.4	44.0	43.4	40.4	37.8	36.7	35.1
13	36.3	36.9	36.4	35.8	36.0	35.8	37.3	38.9	32.9	31.5	28.8	26.5	26.8	25.8	26.9	30.3	36.9	41.4	47.4	46.8	43.3	39.6	37.9	35.9	35.5
14	35.9	36.4	36.3	35.9	33.8	34.9	35.3	33.8	32.3	30.9	28.3	25.8	23.5	25.5	30.3	33.3	36.1	44.3	50.8	49.9	45.9	42.0	38.4	37.3	35.7
15	36.8	35.3	32.6	29.3	34.3	34.0	34.4	37.4	36.1	33.8	32.0	30.3	28.5	30.0	31.3	34.9	37.9	40.5	40.7	43.3	43.1	41.8	39.4	35.8	35.6
16	32.4	29.4	34.3	34.8	36.4	35.0	35.3	34.3	34.8	33.7	31.5	30.4	29.8	30.8	33.4	35.9	42.8	43.7	43.4	43.4	42.5	38.9	35.0	32.8	35.6
17	35.8	36.0	36.3	36.9	36.9	35.5	36.0	34.9	35.4	32.9	30.4	27.8	27.8	28.0	29.3	36.0	41.4	44.3	45.0	43.8	41.8	39.3	37.0	35.9	36.0
18 Q	36.8	36.3	36.8	36.4	35.9	35.9	35.3	34.9	34.8	34.0	32.3	29.5	27.0	25.9	29.4	33.9	41.0	45.0	45.8	43.9	41.0	40.3	37.8	35.1	36.0
19	34.1	34.7	36.0	36.9	36.4	36.8	32.4	39.0	34.4	31.1	28.5	26.5	29.0	31.8	33.6	36.6	42.0	43.6	43.0	42.8	40.6	38.1	36.4	36.1	35.9
20 Q	36.3	36.5	36.8	37.3	37.6	37.6	37.8	37.7	36.6	36.6	35.1	32.5	29.4	30.7	34.4	37.8	39.6	39.6	37.8	36.8	35.5	34.7	35.3	35.6	36.1
21	36.1	36.3	36.8	36.8	36.6	35.8	35.5	35.4	35.9	32.8	30.8	28.6	29.5	29.7	31.8	37.5	38.6	46.0	46.7	43.4	40.8	38.8	37.4	35.7	36.4
22	35.7	36.7	36.8	36.7	36.3	35.7	34.9	35.0	34.8	33.4	31.5	27.7	25.9	30.2	32.5	36.1	38.8	42.5	45.5	44.4	41.4	39.8	37.8	36.1	36.1
23 Q	36.5	36.5	35.7	34.0	31.5	31.3	35.8	35.4	36.4	32.8	30.5	27.8	26.5	26.5	28.2	35.3	39.1	42.6	45.5	44.8	43.8	41.5	37.6	34.5	35.4
24	34.9	34.7	35.0	36.5	36.9	36.7	36.5	35.7	35.6	34.3	32.6	30.5	28.1	27.7	29.5	34.6	37.7	40.5	43.6	45.3	45.7	41.7	37.6	35.6	36.1
25	35.4	35.4	31.4	24.5	31.6	35.4	35.8	35.0	30.0	30.9	34.8	31.4	23.7	20.8	27.8	32.5	38.9	44.6	46.9	48.6	45.9	41.5	34.9	34.8	34.7
26	34.7	33.8	36.7	35.3	38.4	47.9	40.8	37.4	39.7	32.7	30.6	27.4	25.2	27.6	29.8	33.4	38.6	42.8	44.6	44.9	42.9	38.4	37.5	36.8	36.6
27 D	36.8	36.3	35.9	35.5	34.2	35.8	35.7	35.6	39.3	37.8	28.6	27.5	26.3	33.9	32.4	34.8	40.8	40.4	40.4	36.8	33.8	31.8	31.5	32.4	34.8
28 D	29.4	36.5	37.2	29.8	38.2	35.2	33.9	30.9	36.7	40.4	43.8	40.6	27.6	35.7	47.5	43.6	43.3	38.9	35.6	29.4	28.8	29.0	27.3	29.4	35.4
29 D	32.3	24.4	28.9	32.8	42.5	33.5	36.7	38.9	42.5	46.9	37.9	32.4	27.4	27.5	29.8	34.7	37.8	40.7	42.6	41.7	40.4	36.5	34.5	34.6	35.7
30	36.4	37.7	36.7	30.7	37.6	35.8	36.5	35.7	35.9	36.9	34.8	32.8	32.8	33.3	35.1	36.4	37.7	42.6	42.4	39.7	37.8	36.5	35.5	34.0	36.3
31	31.3	27.9	28.8	30.4	33.8	36.4	36.5	36.7	36.5	34.2	31.5	28.4	26.4	28.0	32.4	36.8	40.0	43.3	44.5	43.9	42.5	38.9	37.6	32.4	34.8
Mean	35.5	34.9	35.0	34.3	35.9	36.2	36.6	36.1	35.4	34.6	32.7	30.0	28.5	29.5	32.2	36.1	39.8	42.3	43.5	42.8	41.3	38.9	36.9	35.6	36.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 67. Agincourt. (Z.) 56,000 γ + May, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	671	632	616	619	617	623	614	601	601	601	602	606	613	616	620	624	624	620	620	623	631	640	643	639	622
2	635	632	622	616	616	619	616	619	619	620	624	625	626	623	620	615	609	610	616	624	626	627	631	634	622
3	627	624	624	618	615	616	610	591	598	611	616	618	620	616	613	607	609	616	624	627	631	627	624	631	617
4 D	630	629	637	644	635	627	624	623	620	621	623	619	620	613	609	609	611	616	623	639	671	695	717	739	637
5 D	811	548	553	528	499	421	496	468	483	499	448	494	509	562	595	620	624	627	635	642	639	635	634	635	567
6 Q	634	634	632	628	627	628	627	627	627	627	627	624	623	620	619	619	620	624	624	627	630	627	627	624	627
7 Q	624	624	624	624	625	624	624	625	624	624	624	620	616	617	616	612	616	620	623	624	623	621	616	618	621
8	618	620	620	620	620	620	616	620	614	608	613	619	620	616	615	610	612	614	610	616	618	623	624	624	617
9	626	623	620	620	616	616	610	609	609	588	581	593	588	584	584	592	600	601	606	616	631	631	634	646	609
10	645	643	635	582	565	586	595	609	609	609	616	616	616	615	616	620	621	624	627	633	639	632	632	633	617
11	643	640	573	593	591	562	585	593	602	604	585	588	595	606	616	610	608	616	620	623	623	620	619	620	606
12	620	620	620	620	609	592	601	604	609	616	620	620	616	609	608	603	600	600	606	609	609	611	612	614	610
13	613	614	614	613	612	614	601	588	602	610	616	616	612	610	600	600	600	600	601	606	613	616	616	616	609
14	615	610	609	609	605	608	599	576	584	606	612	615	608	606	599	595	594	599	607	612	615	619	620	615	606
15	615	615	615	592	591	603	608	603	603	608	608	607	606	605	605	607	602	600	605	612	615	615	615	622	608
16	631	612	612	614	614	608	599	592	607	609	611	608	607	599	600	599	605	605	607	611	615	618	622	622	609
17	614	612	610	606	604	607	604	598	599	607	610	608	608	607	604	607	607	614	618	625	622	622	621	617	611
18 Q	614	612	610	609	609	608	606	602	607	609	611	611	608	607	607	599	597	594	593	602	617	618	622	621	608
19	615	614	610	610	607	584	583	570	558	571	563	577	594	595	590	595	590	596	604	612	614	621	620	614	597
20 Q	610	610	609	609	609	609	609	609	610	611	613	606	605	606	603	602	603	599	605	612	613	613	612	610	608
21	610	606	608	606	606	606	606	606	606	610	610	607	605	600	596	593	597	602	605	613	617	611	612	609	606
22	606	606	605	606	605	605	604	606	606	606	609	606	603	598	603	606	603	604	606	606	613	613	610	606	606
23 Q	605	605	605	604	602	597	586	589	599	607	608	609	605	604	602	604	603	604	608	612	611	612	616	615	605
24	612	610	606	605	605	602	602	604	605	605	608	611	605	602	597	595	588	584	592	605	607	620	622	620	605
25	622	617	620	587	597	614	609	595	574	577	582	573	589	596	584	592	603	612	616	631	635	647	665	647	608
26	658	665	650	639	631	533	536	540	536	586	614	615	615	615	608	604	606	606	611	618	622	634	631	619	608
27 D	618	619	619	618	615	600	600	608	595	580	601	603	600	588	579	586	594	595	623	685	748	743	708	675	625
28 D	665	643	642	560	614	560	603	615	622	576	506	518	553	552	557	601	626	650	713	790	796	757	716	682	630
29 D	634	603	591	533	446	501	524	575	575	514	563	582	600	610	612	614	621	614	621	633	645	664	661	651	591
30	628	621	618	604	598	604	594	603	604	598	595	590	590	596	607	605	610	614	617	626	633	634	629	629	610
31	633	605	587	595	603	603	603	602	603	603	603	603	600	600	599	595	594	600	607	610	610	621	623	628	606
Mean	632	618	614	604	600	593	597	596	597	597	597	600	603	603	603	604	607	609	616	627	633	635	634	632	611

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 68. Agincourt — May, 1937.

Day	Horizontal Force: Maximum 15,000 γ +			Horizontal Force: Minimum 15,000 γ +			Horizontal Force: Range	Declination: Maximum 7° West +			Declination: Minimum 7° West +			Declination: Range	Vertical Force: Maximum 56,000 γ +			Vertical Force: Minimum 56,000 γ +			Vertical Force: Range	Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	0	12	382	3	27	274	108	0	12	63.2	1	52	9.2	54.0	0	22	710	1	10	567	143	975	2
2	23	36	355	15	14	293	62	19	20	43.2	3	32	28.9	14.3	0	3	640	16	10	606	34	282	1
3	19	0	380	16	26	319	61	17	0	43.5	13	10	31.7	11.8	23	50	636	7	30	581	55	405	1
4 D	20	32	443	14	30	321	122	20	46	46.5	12	20	29.4	17.1	23	57	771	14	10	608	163	1116	1
5 D	0	45	569	7	0	-126	695	6	28	106.8	0	51	7.5	99.3	0	34	902	7	20	406	496	3877	2
6 Q	0	20	340	15	52	304	36	18	0	42.4	11	40	30.8	11.6	3	0	637	15	0	618	19	165	0
7 Q	22	12	356	16	20	311	45	18	43	43.8	13	24	27.1	16.7	0	55	627	16	25	612	15	154	0
8	21	4	381	15	0	326	55	18	33	43.0	13	28	28.1	14.9	23	35	623	15	50	609	14	170	0
9	20	11	395	16	16	303	92	18	17	46.9	12	28	22.6	24.3	23	42	686	10	0	570	116	685	1
10	22	25	389	14	40	294	95	19	30	46.9	13	54	25.3	21.6	0	10	682	3	43	548	134	797	1
11	2	6	379	16	41	296	83	2	10	436	2	0	18.1	25.5	1	38	651	2	6	537	114	773	1
12	21	11	373	15	48	313	60	18	58	44.8	13	21	24.1	20.7	3	0	623	5	20	586	37	300	1
13	21	10	380	17	24	305	75	18	30	47.4	13	20	23.9	23.5	21	10	623	7	25	579	44	365	1
14	22	4	382	16	0	299	83	18	37	53.3	12	8	21.9	31.4	22	3	626	7	33	573	53	428	1
15	23	42	387	15	0	314	73	19	33	44.7	3	10	18.3	26.4	23	59	622	4	8	580	42	354	1
16	1	28	390	14	37	303	87	19	4	44.8	1	16	15.9	28.9	1	7	645	7	7	583	62	485	1
17	22	47	371	15	42	280	91	18	4	46.4	12	40	26.9	19.5	19	34	625	7	30	598	27	287	0
18 Q	20	49	385	16	27	293	92	17	50	47.0	13	37	24.9	22.1	22	15	625	18	9	592	33	327	1
19	4	58	375	16	4	282	93	7	44	47.0	11	40	25.0	22.0	22	25	621	8	2	547	74	567	1
20 Q	18	50	377	15	40	341	36	16	43	40.5	12	50	27.8	12.7	10	30	616	17	33	597	19	163	0
21	22	10	387	16	22	298	89	18	11	49.2	11	34	28.1	21.1	20	11	621	16	20	590	31	311	1
22	11	33	378	15	8	312	66	18	38	46.9	11	54	23.6	23.3	21	0	615	13	30	598	17	196	1
23 Q	3	40	376	16	8	295	81	18	48	46.1	13	4	24.7	21.4	22	50	627	6	32	561	66	493	1
24	21	28	410	17	12	321	89	20	15	47.1	12	53	26.9	20.2	22	13	623	17	10	582	41	369	1
25	22	33	420	16	57	272	148	19	24	50.2	13	30	17.0	33.2	22	23	674	11	15	563	111	856	1
26	22	0	396	4	33	264	132	5	54	49.3	12	40	24.1	25.2	1	42	678	5	1	495	183	1238	2
27 D	21	10	553	14	37	271	282	16	27	43.8	23	29	20.9	22.9	21	11	799	9	13	572	227	1716	2
28 D	22	0	545	9	54	207	338	14	23	50.6	21	43	11.1	39.5	20	15	831	11	6	486	345	2469	2
29 D	22	8	403	4	12	186	217	9	2	54.8	1	40	11.5	43.3	0	2	684	4	25	391	293	1998	2
30	23	28	389	16	10	289	100	17	43	43.9	3	20	20.7	23.2	21	10	640	6	20	582	58	482	1
31	22	33	388	15	6	312	76	18	27	44.8	1	46	20.7	24.1	23	18	637	2	0	571	66	485	1
Mean			401			280	121			48.8			22.5	26.3			665			564	101	751	1.03
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 69. Agincourt. (H.) 15,000 γ + June, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	360	352	353	348	340	336	318	322	338	340	336	339	339	324	311	294	294	308	330	331	347	344	350	357	334
2	344	352	343	340	345	346	347	347	343	344	329	330	343	344	341	324	321	324	327	348	360	352	357	363	342
3	367	347	351	347	350	350	352	348	343	346	352	355	357	351	343	338	333	333	344	356	366	362	355	362	350
4	360	362	364	360	362	362	361	365	365	366	367	371	372	360	340	343	346	362	377	381	363	377	367	370	363
5 D	372	360	355	359	364	352	343	335	340	346	357	343	326	317	312	304	305	315	331	353	409	474	455	449	357
6 D	364	372	283	283	299	245	221	120	165	112	205	233	253	246	231	248	261	290	333	343	333	364	364	365	270
7	361	343	338	331	324	324	327	326	321	311	310	314	309	310	294	299	311	314	338	355	355	360	368	352	329
8	341	338	341	338	339	339	338	331	330	328	341	346	339	333	319	306	309	316	343	355	364	360	369	366	339
9 Q	352	341	341	342	336	333	336	334	331	329	327	323	329	326	314	304	299	319	333	348	365	372	372	365	336
10	361	356	358	357	357	401	386	392	370	374	372	368	365	346	326	313	318	333	350	358	360	362	355	350	358
11 Q	368	363	355	348	349	354	356	358	349	348	354	353	346	330	329	327	329	351	368	371	366	358	347	341	350
12 Q	344	348	351	348	348	348	348	348	349	351	354	351	348	341	331	325	340	349	363	365	356	354	346	353	348
13 D	353	358	366	366	365	361	363	359	373	370	335	315	324	325	346	347	338	334	352	353	359	362	363	356	352
14	348	356	342	347	349	351	346	358	353	358	363	361	359	348	339	346	363	377	384	371	373	370	359	353	357
15	347	350	351	349	347	349	358	345	341	348	352	350	350	345	349	342	345	346	356	363	369	369	375	366	353
16	376	351	343	349	352	359	339	347	349	356	354	353	350	339	327	319	322	331	351	373	387	351	349	375	350
17	377	374	357	352	360	349	345	348	343	339	339	343	338	331	331	316	327	343	345	363	379	364	353	357	349
18	362	355	357	351	349	351	349	349	340	349	352	345	329	312	296	314	318	333	345	371	393	383	372	364	348
19 Q	354	355	353	360	351	345	346	345	347	345	345	344	338	323	311	309	327	348	365	373	372	367	365	362	350
20 D	367	362	360	362	374	347	320	333	350	362	367	365	342	314	294	301	319	337	372	390	425	438	416	375	358
21	352	360	351	332	335	330	331	333	336	335	338	333	329	314	305	308	331	348	353	370	373	385	360	351	344
22	349	362	341	338	342	341	342	346	341	346	321	334	331	286	314	326	330	363	416	407	436	418	366	365	352
23	350	344	343	341	339	338	337	338	338	341	346	339	331	322	314	295	291	314	342	364	370	366	363	355	338
24	354	360	354	365	353	349	349	349	355	344	350	344	336	305	272	286	329	350	370	353	356	383	374	361	346
25	367	365	341	344	341	332	331	324	329	327	337	327	331	323	304	297	317	334	339	339	353	360	366	375	338
26 Q	364	347	353	347	351	352	349	351	353	352	352	352	344	328	313	304	311	330	343	349	351	350	350	352	344
27 D	359	353	362	371	347	359	367	369	369	369	364	367	362	357	335	330	330	350	382	390	434	454	355	344	366
28	337	334	327	326	333	322	318	335	342	332	319	335	345	335	324	313	299	297	310	325	344	352	358	355	330
29	355	367	354	336	334	343	343	340	341	342	343	348	355	357	343	331	328	331	343	348	346	356	357	365	346
30	357	360	355	351	343	346	343	348	350	353	355	357	357	352	343	333	330	331	340	353	352	355	365	372	350
31																									
Mean	358	354	348	347	346	344	341	338	340	339	341	342	339	328	318	315	321	334	351	364	371	374	366	364	345

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 70: Agincourt. (D.) West 7° . . . ′ June, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	34.9	36.1	37.8	38.3	34.0	28.6	28.5	32.8	32.9	28.8	29.7	26.9	23.4	23.9	28.7	33.7	39.8	43.6	44.6	44.3	40.9	38.5	37.0	35.6	34.3
2	35.6	34.7	31.8	33.8	35.5	36.5	36.6	35.8	35.4	33.5	34.1	35.5	32.0	31.3	33.7	34.6	39.5	41.3	42.5	41.8	42.6	40.8	38.2	37.6	36.5
3	34.6	30.7	36.6	36.8	36.4	36.4	35.6	34.7	36.6	32.5	29.5	27.5	26.7	27.4	30.7	34.6	37.8	40.7	42.6	42.8	40.6	37.6	36.7	35.5	35.1
4	35.9	36.5	36.8	36.6	36.1	35.6	35.0	34.5	34.7	35.6	30.6	26.5	22.8	22.4	24.8	33.1	38.7	39.7	39.8	40.3	38.7	35.8	33.5	32.4	34.0
5 D	30.7	33.7	35.0	34.3	27.8	34.3	35.5	35.6	31.4	28.7	27.9	27.8	32.2	36.9	37.5	40.8	41.8	40.6	44.5	41.8	38.1	32.5	35.5	34.6	35.0
6 D	33.7	24.4	24.5	30.8	31.8	31.4	33.5	34.7	39.3	42.4	31.1	40.5	35.7	35.5	41.8	37.3	41.5	44.9	40.7	39.6	39.4	35.6	35.7	30.9	35.7
7	35.5	35.8	37.5	37.5	36.7	35.8	35.8	34.8	32.5	28.7	26.8	24.7	25.0	26.7	33.5	37.5	41.8	46.8	44.8	42.8	40.6	38.6	35.5	35.5	35.5
8	33.9	34.0	35.9	34.9	34.6	35.6	36.3	34.6	32.7	33.8	27.8	25.7	24.8	23.4	28.2	35.5	39.7	43.6	44.6	42.7	42.0	40.8	38.3	34.7	34.9
9 Q	32.5	34.7	35.7	35.4	33.6	35.4	36.5	35.7	34.8	32.7	29.8	30.8	30.6	29.5	29.7	34.6	39.8	43.7	46.5	45.7	42.4	39.7	37.5	36.4	36.0
10	35.7	36.4	36.6	36.5	35.8	33.7	32.4	33.7	33.8	24.8	24.0	21.6	21.8	23.8	26.7	31.8	37.5	41.3	42.0	42.8	41.4	38.7	37.4	36.4	33.6
11 Q	33.6	32.7	30.8	34.8	36.8	36.7	36.4	34.3	33.6	31.8	28.6	26.8	26.8	27.4	30.4	37.0	41.0	42.7	42.6	42.2	40.6	39.6	38.8	37.6	35.1
12 Q	36.7	36.4	36.0	35.7	35.7	35.7	35.7	35.5	34.7	33.5	30.8	29.5	29.8	29.5	32.7	38.6	41.7	40.8	40.6	39.3	38.5	36.4	36.6	34.8	35.6
13 D	34.6	33.8	34.0	33.1	32.6	36.2	36.7	35.5	36.4	39.3	44.5	32.3	30.7	29.5	29.4	30.7	35.7	39.8	40.3	38.8	37.2	35.4	33.7	33.3	35.6
14	34.5	33.4	33.4	34.8	37.3	36.7	35.5	32.6	34.3	32.7	30.7	28.1	27.7	29.5	34.4	38.0	40.6	42.6	42.4	42.8	40.7	38.7	37.9	36.6	35.6
15	37.3	37.4	36.7	36.8	36.6	35.7	38.1	35.4	33.5	32.6	30.7	31.1	29.4	28.5	29.6	33.4	37.4	41.5	43.2	43.6	42.9	38.6	34.8	35.5	35.9
16	30.3	30.6	34.8	34.6	28.8	27.8	34.4	35.5	35.0	34.2	32.8	29.0	25.6	23.5	27.3	32.5	35.8	40.5	41.8	41.8	40.6	39.6	38.3	34.6	33.7
17	33.4	27.8	36.2	33.5	34.4	34.8	33.5	36.6	38.4	38.5	36.5	28.9	29.4	29.3	29.5	33.6	38.1	41.4	42.9	44.5	40.2	38.1	37.6	35.6	35.5
18	33.8	33.7	34.7	34.7	34.8	36.0	36.6	36.6	40.1	37.7	31.3	27.6	27.5	31.3	39.4	43.5	43.5	43.4	41.3	39.7	37.3	35.7	34.4	32.7	36.1
19 Q	33.9	35.7	35.8	33.7	34.8	36.4	36.8	36.3	36.7	35.2	29.9	27.5	26.7	30.5	34.2	37.8	40.4	38.8	39.6	41.2	40.6	37.8	35.6	34.0	35.4
20 D	34.0	35.5	36.5	36.7	34.4	26.7	28.9	29.0	30.6	32.8	28.2	23.9	25.5	28.4	34.6	38.6	42.8	46.4	45.5	41.8	36.2	33.4	34.5	34.6	34.1
21	31.6	36.3	39.6	37.3	36.7	34.7	34.8	35.3	34.7	31.9	28.9	27.5	26.8	28.7	34.4	36.3	38.1	37.5	37.8	38.3	37.8	35.8	36.6	36.6	34.7
22	36.2	34.6	35.7	37.5	36.8	36.0	36.4	35.4	34.4	33.7	38.2	25.9	24.8	32.0	31.8	35.5	40.1	43.7	41.7	43.4	42.7	38.1	36.5	35.0	36.1
23	36.9	38.5	38.0	37.8	37.2	36.4	35.6	34.8	34.0	31.6	27.6	24.7	26.3	27.9	29.6	35.7	42.6	45.7	46.4	44.6	41.6	38.1	36.0	35.5	36.0
24	35.7	35.8	36.1	32.3	32.2	33.9	38.2	40.4	36.0	32.3	29.7	26.9	26.6	29.7	33.8	42.8	46.6	46.9	46.8	46.3	43.4	38.2	35.0	34.8	36.7
25	32.9	33.6	33.8	35.7	34.8	32.8	31.7	30.3	31.2	29.8	28.1	27.9	29.2	27.4	29.8	36.4	38.1	40.3	42.0	43.5	41.0	38.6	35.5	31.5	34.0
26 Q	33.6	32.8	34.6	36.1	36.6	35.8	35.6	35.6	36.5	35.7	30.0	27.1	25.7	27.2	32.7	37.6	40.8	43.1	42.4	42.7	42.4	39.6	37.5	35.6	35.7
27 D	34.7	34.8	34.7	30.3	25.8	30.8	29.4	32.4	27.5	26.8	26.5	23.2	25.7	28.5	29.8	33.5	38.6	40.7	40.9	41.5	39.7	34.8	36.2	37.3	32.7
28	34.0	37.3	32.8	28.8	32.8	30.0	35.0	35.4	36.6	40.3	41.3	32.9	25.9	21.9	21.9	28.9	34.5	39.5	42.5	43.5	42.2	40.1	36.6	34.4	34.5
29	34.6	29.0	28.5	29.5	32.5	34.7	35.5	34.8	35.6	33.9	33.5	32.4	29.8	26.5	27.3	32.8	37.0	41.5	41.5	42.3	42.0	39.8	38.0	35.9	34.5
30	34.4	35.2	34.8	34.3	32.4	33.6	34.8	38.3	36.9	33.1	30.7	28.3	26.7	25.7	26.3	28.8	32.3	35.8	39.6	42.6	43.4	42.1	39.6	37.5	34.5
31																									
Mean	34.3	34.1	34.8	34.8	34.2	34.2	34.8	34.9	34.7	33.3	31.0	28.3	27.4	28.1	31.1	35.5	39.5	42.0	42.5	42.3	40.6	38.2	36.5	35.1	35.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 71. Agincourt. (Z.) 56,000 γ + June, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	617	613	602	569	593	580	575	578	581	589	597	586	594	596	588	587	593	599	602	600	611	609	609	605	595
2	603	602	600	601	599	596	594	592	591	590	590	581	578	581	585	587	586	581	584	593	593	594	603	602	592
3	609	609	599	597	594	592	590	585	585	590	597	596	594	592	586	581	581	581	581	586	586	586	586	592	591
4	587	587	585	584	587	584	585	585	585	583	583	584	585	580	579	579	580	581	588	591	591	594	593	592	586
5 D	593	595	592	589	571	569	561	569	569	589	596	587	576	569	562	565	565	576	612	655	703	720	710	825	609
6 D	713	658	595	576	601	552	460	468	456	354	371	425	460	523	549	592	611	623	626	619	616	639	634	643	557
7	620	615	608	608	605	606	605	600	595	595	588	585	576	573	570	569	565	573	596	616	624	627	626	632	599
8	618	612	607	606	606	597	594	591	597	592	603	602	600	600	595	600	597	593	591	597	607	607	614	630	602
9 Q	626	615	607	604	597	595	595	592	597	597	596	591	586	583	586	588	584	583	584	587	587	587	589	588	593
10	586	586	585	585	587	587	583	580	536	563	578	585	579	583	586	583	584	582	582	585	582	590	594	596	582
11 Q	591	598	590	590	588	587	583	574	578	583	587	590	588	590	593	590	583	580	578	582	584	589	585	585	586
12 Q	583	583	584	583	585	583	583	581	582	586	585	585	581	582	587	587	578	575	579	583	585	582	581	582	583
13 D	583	585	581	581	575	582	576	578	580	567	505	479	508	521	528	546	557	567	571	575	578	585	591	592	562
14	584	585	586	582	581	577	546	569	577	584	586	586	589	585	582	582	580	580	581	584	582	581	582	580	580
15	577	581	583	577	580	581	570	548	573	581	582	580	574	577	581	582	581	577	573	576	573	576	585	584	577
16	592	596	590	586	573	556	574	580	580	582	579	577	570	574	573	576	566	570	570	574	589	587	590	595	579
17	597	582	573	574	565	569	562	570	566	565	555	558	559	562	564	570	568	567	579	589	592	593	598	595	573
18	594	588	584	577	570	571	572	570	568	560	572	576	574	575	572	583	589	584	589	599	601	608	604	600	583
19 Q	589	584	581	576	576	576	580	577	577	577	580	578	580	579	574	576	569	568	574	581	580	576	576	579	578
20 D	576	578	576	576	573	546	541	558	569	573	572	569	568	568	561	557	560	563	584	631	675	679	662	649	585
21	632	618	591	593	573	558	576	583	587	591	592	592	588	594	591	569	565	561	560	574	589	604	600	594	587
22	591	591	587	586	583	582	582	583	586	583	531	537	550	552	553	555	569	580	608	620	618	619	618	616	583
23	611	604	594	587	584	584	582	583	584	588	588	585	580	577	575	572	565	557	553	560	565	573	581	582	580
24	581	580	580	578	577	576	575	551	530	565	577	583	580	574	565	575	574	569	576	579	580	594	596	594	576
25	593	580	585	576	569	550	549	549	549	556	565	588	576	579	573	579	573	572	569	579	586	588	599	608	574
26 Q	602	595	585	583	577	572	575	580	575	570	575	582	580	585	586	571	568	560	561	571	575	576	579	584	578
27 D	586	583	584	567	560	564	563	575	578	585	584	579	573	571	568	550	554	563	587	615	653	669	635	622	586
28	603	587	591	541	552	547	515	549	563	544	533	557	578	586	590	596	601	595	595	599	596	596	600	600	585
29	596	593	576	580	585	580	569	571	579	585	581	584	578	578	574	576	576	563	561	572	577	583	587	593	579
30	588	587	586	580	579	575	575	571	564	579	584	587	582	585	583	578	576	576	578	580	585	582	586	585	581
31																									
Mean	600	595	588	583	581	575	569	571	570	571	570	572	573	575	575	577	576	577	582	591	598	603	602	607	583

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 72 Agincourt — June, 1937.

Day	Horizontal Force: Maximum 15,000 γ +			Horizontal Force: Minimum 15,000 γ +			Horizontal Force: Range	Declination: 7° Maximum West +			Declination: 7° Minimum West +			Declination: Range	Vertical Force: Maximum 56,000 γ +			Vertical Force: Minimum 56,000 γ +			Vertical Force: Range	Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	0	7	374	15	38	292	82	25	00	46.9	13	17	22.1	24.8	0	2	622	3	8	547	75	550	1
2	23	50	370	15	51	307	63	20	13	42.7	2	28	29.6	13.1	22	40	604	11	40	579	25	239	0
3	0	30	372	16	34	328	44	19	29	43.5	1	27	25.4	18.1	1	4	613	17	7	580	33	255	1
4	21	30	394	15	53	325	69	18	9	41.8	13	32	21.5	20.3	21	30	598	15	0	575	23	236	1
5 D	21	30	577	19	28	299	278	19	20	46.5	21	30	18.6	27.9	23	50	772	6	43	554	218	1662	2
6 D	0	12	429	7	28	-30	459	6	10	56.5	2	0	13.4	43.1	0	16	764	9	34	283	481	3429	2
7	0	2	386	16	0	281	105	17	29	48.8	11	53	22.9	25.9	23	4	634	16	55	560	74	581	1
8	22	38	383	16	1	305	78	17	52	45.2	13	40	23.4	21.8	23	26	637	7	20	586	51	409	1
9 Q	22	3	379	16	13	294	85	19	00	47.4	11	8	28.5	18.9	0	2	632	13	50	582	50	414	1
10	5	0	445	15	47	309	136	19	7	43.8	11	58	20.6	23.2	5	8	603	8	52	524	79	656	1
11 Q	1	0	374	14	0	319	55	17	38	43.5	13	3	25.3	18.2	1	20	599	7	38	567	32	260	1
12 Q	18	56	373	15	40	320	53	16	07	42.1	12	41	27.7	14.4	15	40	590	17	13	573	17	178	0
13 D	8	43	402	13	33	286	116	10	11	50.4	13	32	23.6	26.8	23	40	594	11	0	465	129	910	1
14	21	17	401	14	40	332	69	19	10	43.7	13	23	26.5	17.2	22	33	592	6	30	530	62	457	1
15	22	23	392	13	0	336	56	20	08	43.6	13	51	27.7	15.9	23	50	592	7	4	524	68	477	1
16	20	47	422	16	36	300	122	18	53	43.5	4	56	19.7	23.8	20	50	600	5	18	538	62	539	1
17	1	3	398	15	57	304	94	19	34	45.8	1	25	17.8	28.0	1	6	605	10	38	546	59	479	1
18	20	14	400	14	30	286	114	15	09	44.1	12	13	25.9	18.2	21	17	609	9	20	557	52	471	1
19 Q	20	2	379	15	18	305	74	19	10	41.6	12	22	25.8	15.8	0	1	594	17	8	563	31	289	0
20 D	21	6	448	14	45	277	171	18	02	50.8	5	7	17.6	33.2	21	13	698	6	7	522	176	1259	1
21	21	27	401	15	0	298	103	2	48	45.7	12	30	26.1	19.6	0	1	625	5	17	544	81	617	1
22	20	18	454	14	30	288	166	17	36	45.9	12	13	22.8	23.1	20	17	627	10	40	501	126	969	1
23	20	28	371	16	7	283	88	18	08	46.9	11	56	22.6	24.3	0	30	611	18	17	553	58	464	1
24	22	0	396	15	18	249	147	18	13	48.8	12	22	23.9	24.9	22	0	600	8	30	523	77	661	1
25	1	0	387	15	38	288	99	19	34	44.1	5	4	25.8	18.3	23	17	611	5	20	538	73	562	1
26 Q	0	2	363	15	20	300	63	19	51	43.4	12	28	24.9	18.5	0	4	602	22	0	556	46	355	1
27 D	21	0	483	15	40	308	175	18	7	46.0	15	27	15.1	30.9	21	23	691	15	26	536	155	1142	1
28	22	32	369	17	40	294	75	10	13	48.4	13	56	20.0	28.4	0	8	622	6	27	482	140	908	1
29	1	30	382	16	43	321	61	20	00	42.9	13	30	25.1	17.8	23	10	595	19	50	556	39	313	1
30	23	56	382	15	57	329	53	20	33	43.9	13	31	25.1	18.8	0	2	593	8	23	562	31	257	1
31																							
Mean			403			291	112			45.6			23.2	22.4			624			537	87	666	0.97
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 73. Agincourt. (H.) 15,000 γ + July, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	369	351	350	345	345	352	358	352	350	338	344	351	344	323	321	331	329	335	341	357	348	365	351	353	346
2	348	355	350	348	348	348	349	348	348	349	343	341	341	332	324	318	332	366	378	384	397	383	379	366	353
3 Q	353	343	344	338	343	344	349	351	338	343	346	346	343	333	323	323	333	348	363	372	368	358	354	350	346
4	357	363	363	356	349	349	353	354	353	350	353	356	350	344	341	336	350	360	369	377	371	363	364	366	356
5	378	374	367	367	366	356	352	353	356	355	358	363	371	374	363	364	360	363	381	386	378	392	394	393	369
6	376	361	357	356	355	357	358	356	361	370	377	355	335	317	306	324	315	336	370	387	392	392	381	361	357
7	356	337	328	337	335	328	320	346	360	352	353	350	335	327	315	299	294	314	345	368	368	361	353	352	339
8 Q	350	349	349	351	351	352	355	354	356	356	351	354	344	334	324	322	336	349	344	354	356	356	353	365	349
9	359	357	360	353	355	352	352	354	355	359	357	357	360	354	328	340	331	340	355	371	378	397	408	399	360
10	360	355	329	320	311	322	330	337	338	342	346	345	342	333	330	330	332	343	354	356	359	364	362	357	342
11	357	351	347	352	351	350	355	357	357	358	360	361	355	349	326	311	321	340	368	390	389	404	418	399	359
12	357	325	336	344	349	350	349	348	346	348	351	350	343	331	313	308	316	335	362	374	372	367	372	362	346
13	356	352	351	352	351	351	354	355	355	355	352	345	331	325	321	320	336	351	365	374	379	393	401	344	353
14 D	360	363	367	363	346	326	329	332	291	261	300	310	304	283	260	237	251	268	318	361	373	389	363	344	321
15	354	337	344	338	341	347	355	350	345	341	343	339	336	324	307	300	311	341	359	370	371	351	368	347	342
16	339	342	341	351	349	348	344	341	341	339	342	339	330	312	296	296	309	319	346	365	371	355	363	365	339
17	354	355	346	344	351	360	349	339	349	354	354	351	343	339	327	320	329	344	365	383	385	382	360	356	352
18	354	356	359	354	355	355	355	354	352	350	350	350	347	345	337	341	349	363	370	373	367	389	390	376	358
19 D	373	368	368	365	360	361	358	354	351	353	354	349	338	328	337	323	339	371	293	296	396	393	395	370	363
20 D	370	356	365	358	356	348	380	362	346	348	351	355	346	339	327	319	324	335	346	358	368	382	370	365	355
21	356	353	357	357	356	356	353	360	362	347	355	354	347	344	331	319	322	334	363	370	365	380	378	358	353
22 D	351	346	326	300	295	284	282	156	188	254	244	283	268	281	278	279	289	314	343	378	397	460	443	361	308
23	346	346	331	325	326	338	329	309	308	316	313	313	318	324	316	291	295	308	347	303	332	354	357	389	327
24 D	420	354	337	235	289	313	311	248	262	279	300	307	296	305	294	260	289	299	313	316	325	344	353	393	311
25	379	376	337	342	357	343	340	336	334	318	323	320	319	305	266	271	304	337	348	375	380	373	366	366	338
26	362	345	339	344	349	341	343	338	338	334	325	323	321	299	269	275	296	314	319	328	334	341	348	352	328
27 Q	354	351	347	347	345	347	347	347	341	338	334	339	338	337	329	323	329	345	361	359	369	362	362	364	346
28 Q	347	348	349	348	350	352	352	347	344	347	347	342	335	318	300	289	300	320	344	364	379	373	366	359	342
29 Q	348	352	349	349	349	351	349	348	345	346	347	345	338	324	313	303	305	329	349	382	384	366	359	363	345
30	357	352	350	348	349	352	355	352	344	346	348	347	347	340	333	322	322	337	348	355	347	343	350	355	346
31	356	355	355	356	358	355	356	350	354	356	357	357	350	339	327	315	310	319	338	356	369	367	369	367	350
Mean	360	353	349	344	345	345	346	339	340	339	342	342	337	328	316	311	319	336	354	367	371	375	373	366	346

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 74. Agincourt. (D.) West 7° + . . . ′ July, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	34.4	35.5	35.8	34.7	35.0	33.4	33.0	35.7	34.9	33.6	30.8	29.7	29.8	31.0	37.9	35.4	35.2	37.9	40.4	41.5	41.3	38.3	37.8	36.7	35.4
2	35.9	35.5	35.7	37.4	33.9	33.6	35.3	34.8	34.8	33.5	32.7	31.0	29.8	29.8	31.9	35.8	39.8	40.9	40.3	40.2	36.9	37.4	36.9	36.4	35.4
3 Q	36.8	35.3	34.9	35.3	35.4	36.7	35.8	36.7	35.2	29.7	27.9	26.7	25.8	28.4	32.3	35.4	38.4	40.9	42.6	41.5	39.4	38.4	37.7	37.5	35.2
4	37.3	35.9	36.3	35.4	36.7	35.5	34.0	33.8	32.3	31.2	28.7	27.6	27.4	27.9	32.8	35.5	38.5	39.5	39.3	40.8	40.8	38.8	38.3	37.5	35.1
5	36.7	35.7	35.8	35.8	31.8	30.2	33.6	34.3	33.8	32.6	28.1	25.4	23.7	26.9	31.5	33.6	35.9	41.1	42.8	40.6	39.8	38.4	37.0	36.5	34.2
6	36.1	35.7	35.9	35.4	35.1	34.4	34.0	33.9	33.6	31.8	30.0	28.3	28.8	27.7	33.8	38.1	40.7	42.4	40.3	38.2	37.7	35.9	35.8	32.4	34.8
7	30.4	31.0	31.7	34.0	33.1	31.4	38.8	29.8	30.0	27.5	24.2	22.8	22.4	24.2	29.1	35.5	40.4	43.4	44.1	41.8	40.2	38.2	37.1	36.2	33.2
8 Q	35.7	36.0	35.9	35.5	34.9	34.0	35.2	34.8	35.2	31.5	29.0	23.9	21.9	24.5	24.8	30.2	38.4	42.0	41.1	39.7	39.9	39.0	37.1	35.5	34.0
9	34.8	35.4	34.8	34.0	33.8	32.8	34.4	35.5	34.8	33.5	29.8	27.9	25.5	22.8	22.3	33.5	35.9	41.0	44.9	43.0	40.4	35.9	32.5	29.0	33.7
10	24.0	24.1	26.1	28.9	25.7	32.2	32.3	36.4	36.8	34.6	32.5	28.6	26.0	26.4	28.6	32.9	36.7	38.7	41.8	42.9	43.0	41.6	38.9	36.9	33.2
11	35.5	34.1	35.0	35.5	35.4	34.8	35.2	35.6	35.8	36.5	32.9	28.6	24.8	23.7	26.0	29.7	38.2	39.5	43.2	44.2	41.8	38.4	35.0	31.5	34.6
12	25.9	28.1	31.9	34.5	35.8	36.1	35.6	35.8	35.3	33.6	30.3	27.7	26.0	27.8	31.7	36.3	39.9	41.8	41.7	41.5	40.0	38.1	37.0	35.9	34.5
13	35.5	35.7	36.5	36.1	35.9	35.8	35.0	35.2	34.9	33.5	31.8	28.3	24.6	25.5	30.8	34.0	37.0	40.6	42.1	39.9	38.3	34.2	31.7	34.0	34.4
14 D	34.1	35.1	34.2	31.0	33.3	29.2	29.4	30.5	38.2	35.9	24.5	20.9	21.1	23.2	34.2	40.8	48.8	44.8	43.4	38.7	39.9	35.9	36.9	36.0	34.2
15	33.7	32.0	32.4	33.9	36.0	36.4	38.9	34.9	34.5	33.5	31.8	27.1	22.1	21.6	26.0	32.9	38.5	42.2	39.4	40.9	38.3	38.2	35.1	36.0	34.0
16	35.6	35.1	34.5	32.4	36.0	36.1	35.5	35.2	35.9	34.0	30.9	28.2	25.9	25.3	28.8	35.0	39.0	41.8	44.0	41.5	39.0	38.5	36.9	34.9	35.0
17	34.9	34.0	33.9	35.6	36.5	32.8	25.8	34.1	33.7	31.6	28.1	25.8	25.3	24.9	28.9	33.0	36.9	41.1	41.5	40.3	41.0	40.3	38.9	37.1	34.0
18	36.9	36.0	36.0	36.0	35.6	35.0	34.3	33.9	33.8	32.9	31.3	29.0	27.0	24.9	27.2	28.9	32.4	36.4	38.5	40.2	40.7	37.2	36.1	36.1	34.0
19 D	36.0	36.1	36.4	36.0	35.5	34.5	34.4	35.7	34.9	32.9	28.1	26.3	26.4	22.9	26.1	30.1	35.0	40.2	47.1	46.2	45.0	42.0	39.0	38.0	35.2
20 D	36.9	39.5	39.1	36.3	34.4	32.5	35.4	31.4	31.3	27.3	24.9	21.2	20.7	21.8	23.0	28.9	36.9	43.0	45.9	46.2	44.4	40.5	37.4	35.5	33.9
21	35.3	35.5	35.9	35.9	35.8	33.5	33.9	34.8	32.8	33.0	28.5	26.9	26.0	21.0	25.1	32.0	38.0	43.2	43.3	40.5	38.0	34.9	32.3	30.2	33.6
22 D	29.5	26.6	22.0	20.0	18.2	14.5	22.9	33.3	35.5	41.4	39.2	27.8	31.2	31.4	34.0	36.0	37.3	41.9	44.6	40.6	37.3	30.4	28.4	33.0	31.5
23	35.5	36.5	38.5	37.5	37.1	38.6	43.0	41.5	34.3	32.5	25.5	27.1	25.5	24.6	25.2	27.3	37.2	42.5	40.4	47.9	48.1	43.4	40.3	36.2	36.1
24 D	27.0	22.8	27.2	49.2	29.5	19.4	25.4	50.2	47.2	42.9	37.6	31.4	29.8	25.1	28.3	35.9	41.0	43.8	44.4	47.5	43.5	39.9	37.1	34.1	35.8
25	25.1	33.2	34.0	31.8	33.5	31.4	34.8	35.3	34.5	33.6	29.3	23.4	25.4	24.5	33.2	42.2	42.2	43.4	43.9	39.2	37.4	37.9	36.3	33.9	34.1
26	34.9	33.0	34.4	37.6	38.1	33.9	34.3	37.0	39.1	32.3	30.8	27.1	24.4	24.3	33.0	35.6	38.9	40.6	41.8	42.4	41.9	39.9	36.9	35.5	35.3
27 Q	35.0	34.4	35.3	35.5	35.5	34.9	35.0	34.3	33.9	36.0	31.8	28.2	26.2	25.6	27.9	32.6	36.5	40.1	42.3	43.4	41.4	39.1	37.0	35.2	34.9
28 Q	34.0	35.6	36.2	36.0	35.5	33.5	35.0	35.5	37.5	34.2	32.1	30.5	28.2	29.0	32.5	35.9	40.8	44.3	46.4	46.0	42.4	39.1	37.0	35.5	36.4
29 Q	35.5	35.7	36.1	35.3	35.9	35.4	35.0	35.1	34.9	33.0	30.9	28.2	26.2	25.8	28.5	33.5	38.0	41.1	43.5	41.9	40.0	37.9	35.5	34.1	34.9
30	34.2	35.8	36.3	36.4	36.0	34.6	34.9	33.2	34.1	32.2	31.0	29.2	27.3	25.0	26.5	31.1	38.1	41.3	40.9	40.5	40.1	38.4	36.8	35.3	34.6
31	34.9	35.6	35.6	35.5	35.5	34.8	34.0	33.5	33.9	33.0	31.4	30.1	27.2	26.9	29.0	34.5	41.2	46.2	47.3	45.2	42.9	38.3	35.4	32.6	35.6
Mean	33.8	33.9	34.4	35.0	34.2	33.0	34.0	35.2	35.1	33.4	30.2	27.3	25.9	25.6	29.4	34.0	38.5	41.6	42.7	42.1	40.7	38.2	36.4	35.0	34.6

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 75. Agincourt. (Z). 56,000 γ + July, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	592	589	590	588	587	579	558	561	566	573	578	582	580	581	576	579	573	574	579	596	596	596	596	594	582
2	589	588	587	575	579	581	577	574	581	581	581	580	580	581	584	576	572	570	574	585	596	595	602	603	583
3 Q	602	596	598	596	593	591	587	551	544	570	582	583	585	582	574	570	576	574	576	579	579	582	581	582	581
4	581	582	582	581	584	582	580	579	580	579	580	584	582	576	578	564	558	559	558	567	573	575	576	576	576
5	576	575	573	574	575	572	575	575	577	575	575	573	574	574	570	570	569	572	569	566	570	578	576	579	573
6	576	573	575	575	575	575	575	575	576	577	576	566	562	554	557	556	562	572	580	596	610	631	635	640	581
7	645	619	598	597	584	575	531	550	564	566	578	578	577	578	576	578	577	572	580	586	592	595	592	588	582
8 Q	586	582	581	581	581	580	579	579	578	578	576	575	573	571	563	566	569	572	569	573	583	584	586	588	577
9	587	584	584	582	574	574	576	581	581	583	581	581	581	586	588	589	586	581	581	581	587	596	610	633	586
10	632	581	588	588	572	575	584	596	595	598	598	595	588	580	581	580	577	573	573	579	585	588	595	594	587
11	589	587	588	588	588	586	586	584	586	586	588	584	578	576	573	569	573	583	579	592	607	621	642	663	592
12	654	627	616	603	594	586	587	587	589	592	592	592	591	588	586	578	567	560	570	575	580	586	594	593	591
13	586	586	587	587	587	586	586	586	585	587	590	587	583	583	581	580	583	585	586	591	597	602	617	612	589
14 D	605	597	594	591	564	555	567	525	512	490	535	553	553	549	550	571	582	592	635	671	656	616	604	601	578
15	609	618	612	609	606	585	553	584	594	594	594	582	580	588	591	602	602	604	609	618	631	624	624	612	601
16	606	604	604	601	594	595	598	601	600	601	601	597	594	594	595	596	594	588	583	589	597	607	612	612	599
17	607	604	602	603	602	597	574	594	601	602	605	601	594	589	595	594	587	583	583	587	594	597	598	599	595
18	597	597	596	595	595	594	594	594	594	594	594	594	593	590	580	579	579	578	579	587	594	600	599	594	591
19 D	594	593	593	593	592	591	587	585	590	591	594	592	587	585	579	572	574	578	583	606	628	641	629	615	594
20 D	620	619	608	589	548	585	593	596	594	594	600	599	593	583	586	591	593	591	592	593	599	597	593	593	594
21	595	596	595	596	596	593	595	595	584	564	582	586	577	573	576	579	589	590	592	598	606	614	614	621	592
22 D	623	622	584	555	496	466	443	388	485	477	493	571	583	576	582	586	592	608	621	634	666	735	703	657	573
23	630	627	637	631	620	604	560	571	584	590	584	589	584	589	591	591	589	581	609	618	620	615	609	620	602
24 D	707	666	649	464	515	537	526	532	547	546	532	544	549	567	578	588	593	599	611	617	623	626	623	646	583
25	593	629	621	615	548	577	600	608	608	593	584	596	605	605	593	584	593	605	611	629	646	628	623	629	608
26	626	614	611	586	552	572	585	570	560	585	586	579	590	598	596	599	602	602	605	608	612	615	614	615	595
27 Q	613	610	610	607	606	604	603	601	601	599	598	599	592	594	599	598	591	581	584	586	590	593	602	608	599
28 Q	607	606	606	604	603	602	598	599	601	602	607	606	607	613	610	610	607	603	605	607	611	612	614	613	607
29 Q	610	610	609	609	609	608	607	606	605	610	610	609	610	610	607	607	607	604	604	604	610	615	614	615	609
30	614	613	613	613	613	611	610	607	604	607	610	610	607	607	610	606	605	600	601	607	615	614	619	614	610
31	607	612	612	611	613	611	610	610	612	611	611	611	610	605	600	598	595	590	592	598	603	607	613	614	607
Mean	611	603	600	590	582	582	577	576	580	580	584	586	585	585	584	584	585	585	588	597	605	609	610	610	591

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 76 Agincourt — July, 1937.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	0	12	382	14	0	308	74	20	7	43.1	13	12	26.8	16.3	20	0	604	6	56	551	53	414	1
2	20	8	403	15	32	315	88	16	38	41.6	13	9	28.7	12.9	23	0	609	17	0	566	43	379	1
3 Q	19	38	376	15	12	319	57	18	18	42.5	12	17	24.8	17.7	0	28	604	7	51	536	68	473	1
4	19	36	383	15	20	335	48	19	53	41.7	13	11	24.0	17.7	11	30	587	18	50	558	29	238	0
5	23	36	411	9	36	345	66	17	46	44.0	12	17	21.7	22.3	23	40	583	14	50	565	18	204	1
6	0	50	412	14	37	297	115	17	12	43.6	13	17	25.0	18.6	23	49	647	13	55	552	95	715	1
7	0	24	374	16	39	290	84	6	28	46.9	12	18	20.0	26.9	0	27	650	6	13	510	140	921	1
8 Q	23	23	371	15	22	320	51	17	20	42.8	12	21	20.5	22.3	0	10	589	15	48	560	29	244	0
9	23	22	430	14	37	282	148	18	56	45.7	14	37	17.0	28.7	23	40	642	4	54	566	76	664	1
10	1	33	379	5	12	301	78	20	28	43.4	12	40	25.4	18.0	0	1	638	4	45	558	80	573	1
11	21	58	438	15	51	294	144	19	22	47.9	13	3	22.4	25.5	23	59	670	15	11	565	106	814	1
12	0	2	402	15	27	303	99	18	56	42.5	12	28	22.0	20.5	0	1	674	17	37	560	114	797	1
13	22	51	425	14	58	308	117	18	17	42.9	13	3	22.7	20.2	22	50	630	15	0	579	51	469	1
14 D	21	13	396	15	10	210	186	16	47	59.7	11	53	18.4	41.3	19	24	679	9	0	416	263	1775	1
15	20	11	414	15	37	294	120	17	9	44.0	12	56	19.7	24.3	20	19	650	6	20	536	114	774	1
16	20	23	382	15	12	278	104	18	9	45.5	13	36	23.2	22.3	23	17	615	18	34	580	35	352	1
17	20	11	391	15	33	311	80	18	9	43.0	6	9	17.2	25.8	1	47	607	6	36	568	39	344	1
18	21	51	428	15	42	332	96	19	50	42.4	13	37	23.9	18.5	21	49	608	15	6	578	30	318	1
19 D	20	43	440	13	37	309	131	18	14	49.1	13	40	19.9	29.2	20	47	649	15	51	570	79	647	1
20 D	22	0	406	4	44	298	108	4	37	51.1	4	4	7.9	43.2	1	14	628	4	20	499	129	892	1
21	22	32	390	8	11	182	208	17	54	44.4	12	47	20.0	24.4	23	28	623	9	28	556	67	1061	1
22 D	21	28	496	8	20	60	436	7	57	66.0	5	7	7.9	58.1	21	40	781	7	47	338	443	2861	2
23	23	39	427	17	30	274	153	19	37	51.0	11	8	22.9	28.1	2	28	649	6	21	553	96	779	1
24 D	2	56	463	3	18	124	339	3	16	76.4	2	57	-8.8	85.2	0	47	769	3	12	306	463	3145	2
25	20	20	412	14	52	243	169	16	56	45.3	0	23	12.1	33.2	0	23	725	4	14	501	224	1524	1
26	0	36	368	14	53	257	111	7	55	45.6	12	55	22.0	23.6	0	30	628	4	2	546	82	629	1
27 Q	20	24	372	15	13	314	58	19	12	43.4	15	18	24.5	18.9	0	45	613	17	22	578	35	287	0
28 Q	20	27	386	15	38	280	106	19	16	46.9	12	56	27.7	19.2	13	56	618	6	0	596	22	288	0
29 Q	20	0	392	16	0	299	93	19	11	43.2	13	23	25.2	18.0	23	18	619	18	42	602	17	234	0
30	19	3	359	16	10	307	52	17	10	41.9	13	9	23.5	18.4	23	32	619	17	40	598	21	199	1
31	22	4	378	17	0	304	74	17	52	48.2	13	56	26.7	21.5	23	59	616	17	2	588	28	272	0
Mean			403			280	123			47.0			20.5	26.5			639			540	99	751	0.87
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 77. Agincourt. (H.) 15,000 γ + August, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	356	356	356	357	358	357	357	352	355	356	359	358	347	338	328	336	345	359	373	384	377	377	382	390	359
2 D	361	344	366	340	267	75	-59	105	48	120	245	238	252	222	222	264	291	297	311	328	338	326	330	335	249
3 D	338	330	336	331	331	323	334	343	340	323	309	306	312	310	292	305	310	325	343	355	378	392	385	461	338
4 D	440	339	329	321	315	305	287	265	302	294	319	318	314	304	286	302	315	324	337	345	363	353	345	343	323
5	347	336	338	339	339	341	344	341	340	339	335	331	325	314	301	294	256	320	348	357	362	358	355	348	334
6	339	338	336	343	347	342	345	345	341	333	331	323	319	305	295	280	287	301	336	378	383	363	351	357	334
7	355	359	350	353	356	356	349	340	334	328	330	325	326	308	287	276	273	292	321	343	356	358	360	353	333
8	349	343	339	343	343	343	348	344	343	343	345	347	336	313	286	267	270	291	323	350	364	362	359	350	334
9	349	348	350	349	348	349	344	343	344	339	340	338	326	305	289	281	275	286	322	354	367	367	359	345	334
10	344	346	348	348	353	348	350	346	344	340	340	339	321	299	275	251	246	269	311	336	359	367	366	354	329
11	348	345	349	349	350	351	349	349	350	354	354	349	336	314	289	280	297	326	349	371	377	374	367	367	343
12	358	359	364	364	360	363	363	359	358	354	355	353	341	321	306	302	313	331	351	362	382	372	370	367	351
13 Q	365	365	364	363	354	346	351	355	352	351	350	350	340	318	295	292	297	315	332	339	349	357	364	366	343
14	360	367	366	361	360	359	358	366	361	358	351	349	347	336	321	321	325	331	350	360	371	370	388	371	355
15	385	364	343	348	345	340	332	337	337	337	340	340	345	324	311	308	312	324	337	347	352	354	354	352	340
16 Q	350	346	349	349	349	348	350	349	349	347	341	341	339	324	317	323	339	351	352	360	368	367	361	351	347
17	352	353	350	345	342	342	347	348	350	350	350	341	333	318	306	306	322	339	357	364	363	355	355	351	343
18	349	348	350	353	352	351	346	345	343	343	342	341	335	323	312	329	330	336	348	359	359	358	363	365	345
19	364	362	357	356	358	360	360	362	358	359	361	360	353	338	321	304	303	316	329	345	359	360	358	348	348
20	353	357	356	357	356	358	356	353	353	355	352	351	347	338	314	299	304	321	334	351	352	353	357	359	345
21	357	347	350	351	350	347	345	345	345	343	341	338	334	323	321	279	289	307	321	341	356	375	354	361	339
22 D	361	361	366	385	303	270	209	158	104	121	141	245	217	245	243	249	245	264	279	288	323	329	323	321	265
23	313	309	314	314	313	313	310	312	312	312	310	305	298	297	290	290	295	304	316	327	338	337	334	329	312
24 Q	327	324	327	329	329	329	329	327	326	327	323	322	307	290	275	269	281	293	312	333	346	348	344	338	319
25 Q	334	337	339	341	340	347	339	338	334	334	333	329	322	305	280	269	273	284	304	324	342	356	361	360	326
26	361	358	357	352	346	347	351	353	347	348	354	351	337	310	302	307	304	314	329	339	343	339	346	343	339
27 D	348	346	348	349	342	356	343	343	344	346	343	342	333	308	269	239	265	320	340	337	357	366	355	360	334
28	337	322	325	330	335	337	332	337	346	340	328	305	299	308	287	272	285	293	305	316	335	348	355	344	322
29	347	345	340	320	330	337	342	343	347	343	342	341	334	320	314	309	304	305	320	328	343	347	348	349	333
30 Q	349	346	349	348	345	341	345	344	343	344	345	345	341	329	322	319	324	329	336	345	348	346	345	348	341
31	351	351	354	353	349	349	351	352	353	353	353	353	343	333	319	310	311	311	319	334	344	349	354	357	342
Mean	354	347	348	347	341	334	326	329	326	327	331	332	325	311	296	292	297	312	331	345	357	358	357	357	333

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 78. Agincourt. (D.) 7° + . . . ′ August, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	29.5	33.0	35.1	35.5	35.3	35.0	34.0	34.3	33.6	34.0	34.0	29.1	29.0	30.2	32.2	37.9	39.8	39.2	41.0	38.2	36.9	33.5	30.5	29.7	34.2
2 D	32.5	35.6	33.1	19.4	30.1	40.9	83.2	52.5	25.9	6.8	25.9	25.0	21.2	30.4	36.1	40.5	39.4	43.5	42.1	39.0	40.1	39.5	38.2	37.2	35.7
3 D	36.0	36.6	34.8	34.0	35.1	37.2	38.0	35.8	33.2	32.3	31.4	31.2	27.5	26.9	31.5	37.1	39.4	42.1	44.0	44.5	40.9	38.8	38.4	35.3	35.9
4 D	36.5	18.4	29.8	33.8	33.5	32.4	40.0	48.2	34.0	39.8	30.1	24.2	23.4	25.8	31.9	38.0	42.0	43.2	43.0	40.6	37.4	36.0	34.0	33.3	34.6
5	32.8	33.0	36.4	36.2	35.9	36.0	35.9	35.0	35.0	33.2	30.1	26.3	24.6	24.8	29.0	33.4	40.0	44.4	47.9	46.0	42.8	38.2	34.9	31.9	35.2
6	32.6	32.9	30.4	33.5	35.4	35.6	35.9	38.9	37.4	35.6	33.9	31.2	27.8	29.1	32.0	36.2	39.9	45.1	46.4	43.9	39.4	38.1	36.2	35.5	36.0
7	36.4	34.4	35.5	36.0	34.4	34.4	34.2	35.3	34.2	35.9	31.3	25.9	24.5	25.9	27.0	34.6	41.4	48.6	49.4	45.8	42.6	39.2	35.1	32.0	35.6
8	30.7	32.4	32.9	33.2	30.5	35.6	36.0	37.6	37.1	37.1	32.0	27.9	25.5	23.9	26.6	34.0	43.0	47.3	48.2	45.6	41.9	38.4	35.3	33.5	35.3
9	34.4	35.4	35.5	35.9	36.0	34.8	35.1	35.5	35.8	35.9	30.6	27.9	25.1	24.6	26.2	33.9	39.4	45.6	47.0	44.2	40.9	36.9	34.3	33.1	35.2
10	33.2	35.0	34.5	34.0	34.0	36.5	36.0	35.5	36.0	35.0	32.0	24.2	21.8	23.0	27.2	36.1	44.4	48.3	48.4	46.9	41.2	37.1	34.4	33.8	35.4
11	34.2	34.6	34.5	34.9	35.3	34.8	34.3	34.1	35.2	33.9	30.2	24.4	21.4	23.4	28.6	37.4	45.0	48.4	48.2	45.5	41.3	38.9	37.6	37.0	35.6
12	37.5	36.8	36.3	35.6	35.3	34.3	33.9	32.2	32.4	30.9	29.8	27.3	25.8	26.3	28.5	34.8	38.5	42.5	41.0	40.0	39.1	37.9	36.5	36.7	34.6
13 Q	35.9	35.8	36.5	36.1	34.2	32.1	33.3	33.0	31.2	30.3	28.6	26.4	24.8	24.6	27.4	33.9	40.2	43.3	44.3	43.6	42.3	40.3	38.4	37.4	34.8
14	36.3	35.1	35.0	34.4	34.3	33.2	33.2	31.1	32.1	31.5	30.4	29.5	29.6	29.0	30.6	34.7	38.2	40.4	40.8	40.9	41.1	41.5	40.4	38.2	35.1
15	35.9	34.8	32.1	33.5	31.6	33.5	28.0	27.8	28.4	30.4	29.1	26.2	25.1	24.3	26.1	32.4	38.9	41.2	42.9	40.4	37.9	35.9	35.0	34.5	32.8
16 Q	35.3	35.7	35.2	35.1	35.0	33.7	34.6	34.4	33.9	33.6	33.1	29.5	27.3	28.8	31.8	36.0	39.6	41.9	41.1	40.1	38.4	36.6	36.0	35.5	35.1
17	35.9	36.1	36.2	36.0	34.2	31.3	31.6	33.0	32.9	32.0	30.6	29.3	26.3	26.5	31.0	35.8	38.4	39.0	39.1	38.2	36.9	35.3	34.0	34.2	33.9
18	35.3	35.4	35.2	35.3	35.5	35.1	33.8	32.5	33.0	31.8	30.7	28.8	27.2	27.4	29.4	26.9	40.8	43.5	43.2	40.6	38.5	37.5	35.9	35.0	34.9
19	34.9	34.0	34.6	34.3	34.4	34.6	34.4	33.6	33.0	32.4	30.5	27.8	25.9	26.0	28.2	31.9	38.3	42.6	43.8	43.4	41.5	37.6	35.9	35.9	34.6
20	35.8	35.7	35.5	35.3	34.9	34.2	34.0	34.4	33.5	32.8	31.0	28.7	27.5	27.6	31.7	38.2	43.0	44.4	45.0	44.2	42.5	40.9	38.4	36.6	36.1
21	36.9	35.0	34.9	33.7	34.1	33.0	30.2	32.0	32.5	31.6	29.1	26.5	22.3	21.0	25.1	32.5	37.0	40.7	43.4	43.9	41.8	39.2	38.0	36.0	33.8
22 D	35.6	35.5	35.0	34.7	26.5	-0.4	20.1	30.1	73.2	18.2	8.2	-2.0	14.0	23.2	26.8	34.5	40.6	45.8	47.9	47.0	41.2	40.8	39.9	38.9	31.5
23	38.2	33.2	36.0	38.2	37.0	36.4	36.1	35.1	35.0	33.7	31.3	27.9	27.0	28.0	32.1	38.4	42.9	45.2	44.6	42.8	40.5	38.5	37.5	38.0	36.4
24 Q	38.6	38.2	37.6	36.8	36.5	36.0	35.5	34.8	34.6	33.7	31.9	29.3	27.3	28.0	31.6	36.9	42.6	46.0	46.6	43.1	39.4	37.1	35.6	35.7	36.4
25 Q	36.5	36.4	36.3	35.0	35.4	35.9	35.6	35.1	34.2	32.7	30.0	26.8	25.0	26.5	30.3	36.9	42.4	45.3	45.9	44.1	40.8	37.5	35.6	35.7	35.7
26	36.4	36.9	36.6	35.4	34.4	35.1	34.0	33.4	32.5	31.4	29.0	25.7	23.5	22.3	26.9	31.9	35.4	38.4	40.6	41.4	40.0	38.5	36.3	35.6	33.8
27 D	34.9	34.4	34.3	33.7	38.6	32.3	30.8	29.1	31.9	31.4	29.5	26.5	25.1	27.2	30.0	36.4	46.0	48.4	45.3	43.5	40.0	36.0	34.2	28.4	34.5
28	33.6	32.5	33.0	33.4	34.0	32.8	32.0	33.5	34.3	37.0	44.0	42.9	40.5	30.5	29.1	31.6	37.0	39.6	41.3	43.0	41.5	40.3	38.0	36.6	36.3
29	35.6	34.8	33.3	28.4	36.9	31.6	31.2	33.2	34.3	38.7	35.1	30.7	28.0	25.9	27.9	32.5	35.3	38.2	40.3	40.6	39.1	37.4	35.5	35.1	34.2
30 Q	35.0	33.4	34.5	34.9	34.7	33.7	33.5	33.8	34.0	33.9	32.5	30.0	28.2	29.0	32.5	36.6	39.5	42.0	43.2	42.5	40.0	38.2	37.5	36.9	35.4
31	36.5	35.3	35.9	35.6	35.5	34.9	34.9	34.5	33.9	33.3	31.9	29.5	27.0	27.9	30.9	36.2	42.6	43.6	43.0	41.5	38.5	36.3	34.9	35.2	35.4
Mean	35.1	34.4	34.7	34.2	34.5	33.4	35.3	34.8	34.8	32.3	30.6	27.2	25.8	26.4	29.6	35.4	40.4	43.5	44.2	42.7	40.2	38.0	36.2	35.1	34.9

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 79. Agincourt. (Z). 56,000 γ + August, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	619	616	614	611	613	611	610	610	610	611	607	605	605	604	604	595	595	595	613	615	619	622	626	633	611
2 D	631	626	621	574	483	332	274	367	325	437	604	613	606	583	595	602	604	607	611	610	607	615	619	622	548
3 D	619	623	620	616	601	608	578	594	601	609	607	594	598	601	606	609	601	607	608	616	634	659	675	743	618
4 D	806	707	648	643	636	636	589	542	572	601	617	620	616	614	613	619	616	617	621	626	628	626	624	624	627
5	625	629	618	617	617	616	615	616	616	618	617	616	614	614	613	608	610	610	609	610	615	620	625	633	617
6	629	622	620	615	615	614	614	609	609	612	612	603	602	607	606	608	611	620	627	642	649	637	625	621	618
7	615	619	618	618	607	563	564	592	604	609	605	604	607	607	604	604	604	604	607	610	618	617	621	624	607
8	623	619	618	615	601	608	606	608	614	615	616	616	609	601	601	609	607	601	601	608	615	621	620	614	611
9	610	610	609	609	609	605	606	606	606	603	609	611	606	602	598	603	601	600	602	605	603	609	616	617	606
10	612	609	609	606	605	600	591	599	602	605	606	608	607	605	605	602	608	613	620	626	629	623	620	614	609
11	608	605	606	605	605	604	602	602	605	605	605	604	603	603	602	603	603	603	606	606	609	609	608	605	605
12	599	600	603	602	604	603	596	597	601	603	607	605	607	615	617	611	612	612	617	621	625	618	616	615	609
13 Q	613	610	610	610	613	615	612	609	609	609	613	613	615	615	610	607	605	608	608	608	613	617	617	616	611
14	611	613	613	613	613	611	607	600	600	607	608	610	608	606	597	592	597	602	605	600	607	607	611	612	606
15	613	617	626	623	617	573	578	600	601	606	606	601	598	603	597	597	598	605	606	611	621	621	621	620	606
16 Q	618	617	618	618	615	615	616	614	615	614	611	607	610	609	607	601	596	600	601	602	610	610	622	622	611
17	617	615	617	617	615	615	614	616	616	615	615	608	608	605	602	601	602	611	614	619	622	623	622	622	614
18	622	620	617	615	613	611	607	608	612	614	613	611	607	605	600	604	606	606	607	618	618	616	618	618	612
19	616	616	615	618	616	613	613	612	611	611	616	613	612	604	600	601	598	597	601	608	618	627	631	624	612
20	615	613	613	613	612	610	607	604	607	609	610	609	605	600	604	607	594	592	595	609	622	628	630	635	610
21	636	636	633	627	626	619	619	620	621	621	622	621	621	621	620	611	599	597	597	599	607	619	618	618	618
22 D	615	613	616	615	616	551	509	471	281	141	350	449	579	609	601	606	611	628	632	633	644	638	632	624	552
23	625	619	618	617	617	615	612	611	612	611	612	610	605	601	603	610	611	611	615	619	618	616	612	610	613
24 Q	609	612	613	614	613	612	610	611	611	612	613	609	606	606	606	615	617	616	622	623	627	622	615	612	614
25 Q	614	616	614	614	613	602	602	608	608	609	610	608	607	605	601	605	607	608	619	622	619	615	612	607	610
26	606	606	607	606	606	607	606	606	605	605	607	606	605	597	597	592	584	580	591	603	606	612	617	611	603
27 D	612	613	612	608	555	552	572	594	602	599	604	604	602	597	598	599	616	620	612	617	628	641	649	657	607
28	632	626	618	612	604	595	585	583	597	587	552	548	548	568	590	600	603	601	598	601	603	605	611	610	595
29	607	593	586	588	561	574	595	598	594	580	577	589	595	595	595	600	602	596	595	596	602	609	616	618	594
30 Q	613	609	608	607	606	606	601	600	600	601	603	608	606	600	598	600	595	593	595	601	601	603	607	607	603
31	605	607	607	607	607	605	604	604	603	604	604	605	606	606	600	596	599	605	606	608	610	610	607	604	605
Mean	623	619	616	613	604	594	588	591	587	587	599	601	604	604	604	604	604	606	609	613	618	621	622	623	607

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 80 Agincourt — August, 1937.

Day	Horizontal Force: Maximum 15,000 γ +			Horizontal Force: Minimum 15,000 γ +			Horizontal Force: Range	Declination: Maximum 7° West +			Declination: Minimum 7° West +			Declination: Range	Vertical Force: Maximum 56,000 γ +			Vertical Force: Minimum 56,000 γ +			Vertical Force: Range	Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	23	58	399	14	48	319	80	18	23	42.2	12	30	27.3	14.9	23	58	637	15	50	590	47	389	1
2 D	0	2	391	6	30	-113	504	6	20	138.2	9	29	-14.6	152.8	0	27	634	6	19	-4	638	4387	2
3 D	23	53	494	15	2	296	198	19	18	45.1	12	55	25.2	19.9	23	59	812	6	7	570	242	1675	1
4 D	0	1	490	7	23	208	282	7	16	66.4	1	36	2.2	64.2	1	0	857	7	18	461	396	2670	1
5	21	48	370	15	26	284	86	18	12	48.2	13	0	23.9	24.3	23	13	636	15	22	607	29	296	1
6	19	58	398	15	32	276	122	18	31	46.9	12	36	25.6	21.3	20	0	652	12	7	599	53	488	1
7	1	12	377	16	0	268	109	18	12	51.0	12	28	23.0	28.0	23	50	625	6	3	550	75	592	1
8	20	44	368	16	7	263	105	18	15	48.4	13	10	23.7	24.7	22	0	624	18	7	597	27	315	1
9	21	11	371	16	17	269	102	18	43	47.2	13	27	23.6	23.6	22	40	618	17	13	598	20	270	0
10	22	14	367	16	24	237	130	17	56	49.8	12	22	21.2	28.6	20	32	630	6	12	587	43	443	1
11	19	58	385	15	43	277	108	17	58	49.3	12	21	20.4	28.9	21	48	613	23	58	597	16	257	0
12	20	43	393	15	27	301	92	17	38	43.0	13	0	25.7	17.3	20	43	626	5	40	592	34	334	0
13 Q	23	6	370	15	53	288	82	18	40	44.3	13	14	23.4	20.9	22	21	620	16	40	605	15	213	0
14	23	0	405	14	45	315	90	21	47	42.0	13	27	28.2	13.8	23	0	620	15	18	592	28	297	1
15	0	47	399	16	21	306	93	18	17	43.0	13	18	23.1	19.9	2	12	627	5	48	544	83	607	1
16 Q	20	34	371	15	10	308	63	17	31	42.1	12	47	26.9	15.2	22	35	623	16	31	595	28	255	0
17	20	3	367	15	20	301	66	17	5	39.7	12	21	25.2	14.5	20	50	635	16	12	601	34	291	0
18	19	52	370	15	13	312	58	17	28	44.4	12	40	27.2	17.2	20	0	621	15	28	603	18	191	0
19	22	0	367	16	14	297	70	18	54	44.9	12	32	25.2	19.7	21	53	634	16	13	595	39	329	0
20	23	0	360	15	32	294	66	18	49	45.7	12	10	26.7	19.0	23	59	637	17	4	590	47	368	1
21	21	6	395	15	50	272	123	18	55	44.2	12	43	20.1	24.1	1	23	640	18	50	595	45	443	1
22 D	3	8	405	9	0	104	301	7	50	109.2	10	30	-29.8	139.0	12	28	670	9	15	-66	736	4953	2
23	19	57	345	14	47	286	59	18	0	45.2	11	33	26.3	18.9	0	21	626	12	27	596	30	261	1
24 Q	22	0	351	15	0	266	85	18	11	47.8	13	16	26.6	21.2	20	8	630	13	4	603	27	284	0
25 Q	22	5	363	15	23	268	95	18	30	46.4	12	46	24.2	22.2	19	29	627	6	0	599	28	304	1
26	1	0	366	14	14	294	72	18	47	42.0	13	13	21.9	20.1	22	28	620	17	27	577	43	354	1
27 D	21	19	384	16	0	238	146	17	13	50.6	12	17	23.3	27.3	23	9	680	4	47	509	171	1194	1
28	22	7	362	15	37	266	96	11	57	47.9	14	0	26.9	21.0	0	1	636	12	0	539	97	697	1
29	2	2	363	15	43	298	65	4	16	43.1	13	46	25.0	18.1	22	47	622	4	50	539	83	570	1
30 Q	1	7	353	14	53	316	37	18	52	43.3	12	18	28.0	15.3	0	1	615	17	30	594	21	174	0
31	23	37	364	15	49	307	57	17	0	44.0	12	56	25.6	18.4	20	50	610	15	40	596	14	173	0
Mean			383			265	118			51.1			21.0	30.1			644			540	104	777	0.71
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 81. Agincourt. (H.) 15,000 γ + September, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	362	363	358	355	357	358	360	362	353	346	349	344	328	309	292	302	314	331	358	358	360	382	358	361	346
2	344	339	348	345	344	344	345	344	344	345	344	345	337	317	302	300	300	307	324	341	351	355	353	350	336
3 Q	348	349	349	344	344	341	341	342	340	339	345	345	338	312	292	281	290	304	323	342	355	362	362	361	335
4	352	356	356	354	347	328	322	331	336	336	338	333	324	305	294	300	308	323	334	339	341	346	345	341	333
5	349	331	326	328	338	343	336	337	343	342	344	328	318	312	296	289	292	302	320	336	346	348	346	343	329
6	342	346	344	346	346	345	346	348	349	346	341	333	322	306	292	295	297	312	333	346	357	347	338	337	334
7	340	341	342	340	345	345	337	336	336	335	337	341	331	315	294	293	296	303	317	335	340	342	346	350	331
8	349	346	349	349	345	345	345	345	344	342	339	337	335	320	299	282	287	296	310	325	350	350	342	345	332
9	348	347	348	341	346	346	346	346	345	346	346	345	335	313	296	279	288	304	323	343	360	360	350	347	335
10 D	352	347	348	355	349	345	346	347	346	343	343	341	331	308	293	287	292	307	352	380	346	374	366	337	339
11 D	342	342	309	224	205	239	284	309	316	318	307	293	290	282	280	262	273	292	301	311	326	324	332	328	295
12 Q	328	328	326	330	328	328	328	327	328	328	328	323	317	307	294	288	287	301	318	338	343	335	334	338	322
13	334	341	344	338	333	334	329	333	329	322	321	322	329	296	288	294	295	300	310	324	342	338	342	336	324
14 D	332	327	327	334	336	329	317	327	331	339	324	331	329	302	289	285	294	308	323	336	339	340	333	337	324
15	328	328	330	327	320	320	326	332	337	338	333	324	318	307	297	295	300	310	319	325	331	332	334	338	323
16	339	342	341	341	344	348	339	327	327	331	340	341	329	312	308	298	295	299	317	327	329	343	339	347	329
17	347	342	334	319	353	319	318	328	336	334	333	327	315	304	288	289	294	307	333	324	344	347	349	347	326
18	347	347	346	341	338	341	342	341	344	344	343	342	334	317	302	286	283	299	317	338	353	335	325	329	330
19	327	329	335	337	334	334	334	335	334	334	333	328	312	289	294	294	295	312	332	334	339	338	336	338	325
20	339	341	341	341	341	343	343	343	342	342	338	338	327	312	301	303	312	327	342	351	349	345	342	358	336
21	335	334	331	334	342	337	336	339	335	337	336	331	318	306	293	292	304	317	324	334	351	347	337	339	329
22	339	345	343	342	341	339	339	341	343	341	342	332	322	309	295	283	281	298	315	331	342	335	333	336	328
23	341	339	329	331	337	336	334	332	335	341	342	336	329	312	298	288	284	295	310	331	341	354	339	336	327
24	315	299	307	318	312	303	299	305	334	338	334	331	328	304	288	288	290	295	306	314	328	332	339	343	314
25 Q	336	339	344	347	342	344	341	342	344	344	344	342	334	324	312	300	297	309	324	334	339	337	342	347	334
26	347	343	341	342	345	343	346	349	342	341	346	339	335	317	300	275	288	302	312	324	332	339	342	344	330
27	341	331	344	345	344	346	346	323	334	341	341	336	325	308	290	284	290	304	307	323	329	339	343	346	328
28 Q	346	347	343	342	347	339	338	333	338	340	339	337	330	315	303	295	290	295	312	322	331	336	336	340	329
29 Q	338	336	347	342	339	343	343	344	344	344	344	339	331	320	310	305	312	324	337	343	344	343	344	348	336
30 D	348	349	349	349	349	351	353	355	354	353	354	351	344	334	332	329	290	349	351	354	451	393	305	323	349
31																									
Mean	341	340	339	336	336	335	335	336	338	339	338	335	326	310	297	291	294	308	323	335	346	346	341	342	329

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 82. Agincourt. (D.) 7° + . . . ′ September, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	35.2	35.6	35.6	35.3	35.1	34.7	34.2	33.0	32.8	33.3	30.1	27.0	24.7	26.0	29.4	39.7	47.8	49.6	47.4	45.2	40.6	36.7	34.7	35.2	35.8
2	35.7	36.1	36.0	35.8	36.7	36.1	35.5	34.2	33.2	32.3	31.0	28.4	27.0	28.4	34.7	41.6	47.2	48.7	47.6	44.3	40.6	37.0	34.9	34.9	36.6
3 Q	35.6	35.2	35.5	35.1	36.5	35.1	34.1	33.2	34.0	36.7	31.1	26.9	25.6	27.1	32.3	39.6	45.5	48.3	47.4	43.7	39.8	36.5	34.6	34.6	36.0
4	36.0	36.1	35.6	30.6	31.4	30.1	30.1	32.3	33.1	32.4	31.1	28.8	26.4	27.4	32.9	38.3	43.3	45.8	45.0	44.2	40.3	36.0	33.4	33.8	34.8
5	33.0	32.5	35.2	33.8	36.0	34.1	32.3	35.4	34.3	32.1	30.3	29.0	30.2	28.0	31.5	35.4	40.9	43.9	44.8	42.3	38.5	36.0	34.1	33.9	34.9
6	34.8	34.8	31.6	33.9	33.5	33.4	33.5	32.5	32.0	32.9	29.7	25.9	23.0	24.1	29.3	37.1	42.4	47.1	48.5	47.0	41.9	37.7	35.3	34.6	34.9
7	34.5	35.1	32.5	35.0	34.8	32.5	34.3	33.9	33.4	31.3	27.6	25.2	23.9	23.9	29.3	37.7	44.4	47.5	48.0	45.0	40.7	36.9	34.1	34.2	35.0
8	35.3	36.0	35.2	35.0	34.9	34.4	33.9	33.3	32.4	30.6	28.8	27.0	25.2	24.6	27.5	34.3	39.3	42.6	45.2	45.0	41.4	38.6	36.6	35.6	34.7
9	34.7	34.6	34.4	31.2	33.4	33.3	33.9	33.1	32.4	31.2	29.3	25.8	23.3	25.2	28.5	35.7	41.2	43.7	43.9	41.4	38.4	36.1	34.3	34.8	33.8
10 D	34.7	35.0	34.8	31.5	31.5	32.0	33.0	33.1	33.3	31.6	30.8	27.0	24.8	26.1	30.2	35.0	40.9	45.2	45.3	46.8	46.5	41.5	38.9	36.4	35.3
11 D	37.3	40.7	25.3	20.1	40.7	32.5	26.8	34.7	33.7	33.8	38.8	37.7	31.3	28.4	32.1	37.7	40.8	42.4	42.4	39.3	36.4	34.4	33.8	35.3	34.9
12 Q	36.2	36.1	36.1	36.1	36.5	36.2	36.1	35.6	34.7	33.9	32.7	31.6	31.1	30.7	33.3	37.6	42.0	44.8	45.7	42.1	38.4	36.1	35.2	35.3	36.4
13	35.2	32.5	33.5	35.3	34.4	34.3	36.5	36.7	27.1	27.2	31.6	30.7	29.7	31.6	36.5	40.8	42.5	42.2	42.4	40.4	37.7	32.9	32.4	34.8	35.1
14 D	35.7	34.7	35.3	35.3	33.8	31.6	28.3	29.7	33.8	25.7	30.7	29.3	25.2	27.4	31.6	38.0	40.3	41.9	41.2	38.8	37.1	36.7	36.2	35.2	34.0
15	33.0	32.1	36.4	35.3	33.1	33.0	29.6	29.9	31.7	32.1	32.6	31.3	26.8	28.6	34.2	38.2	39.8	39.8	38.8	37.0	35.0	35.2	36.7	37.2	33.9
16	36.6	36.2	36.1	35.8	35.1	33.8	32.6	34.4	24.9	25.1	27.8	28.1	28.5	31.3	35.4	38.1	42.4	44.1	42.6	40.7	38.5	35.3	33.8	34.0	34.6
17	34.4	35.7	34.8	33.9	38.1	29.8	30.5	31.3	31.7	31.3	30.3	28.9	29.0	30.3	33.1	40.5	42.1	41.6	42.1	40.9	38.0	36.0	35.8	36.3	34.9
18	35.5	35.7	29.9	32.7	34.9	34.9	34.4	33.4	32.5	31.6	30.7	30.3	29.8	30.7	34.7	37.1	43.5	48.7	47.2	43.5	39.4	37.6	36.3	34.4	35.8
19	30.3	34.1	36.2	36.6	35.7	35.7	34.8	34.4	33.6	33.5	32.6	30.3	29.9	33.0	34.4	37.2	40.4	42.5	42.9	39.8	38.1	36.2	36.6	37.1	35.7
20	36.4	35.9	36.0	35.8	35.5	34.9	34.5	33.9	33.5	33.4	32.6	30.9	29.4	29.5	32.7	36.1	39.1	42.1	41.6	38.9	36.4	35.0	35.5	33.4	35.1
21	25.9	32.5	35.5	35.0	35.5	34.9	34.0	34.1	33.4	32.8	32.2	30.2	27.6	27.2	29.0	33.0	37.0	39.2	40.4	38.3	36.3	35.4	34.5	36.7	33.7
22	36.7	35.5	35.3	35.0	34.2	34.2	33.6	33.1	31.4	30.8	30.6	29.1	30.4	30.3	32.2	37.5	42.6	46.2	46.8	42.6	38.8	36.8	35.8	35.9	35.6
23	35.0	34.5	35.5	36.4	35.8	34.5	34.3	32.6	32.6	31.6	31.4	30.4	26.9	27.3	31.4	32.6	39.0	41.4	41.3	40.1	38.2	36.8	35.2	37.6	34.6
24	38.6	34.6	34.5	37.2	32.7	32.3	31.4	28.1	31.4	31.2	33.5	32.3	28.5	30.0	34.8	37.7	41.0	43.6	44.3	43.4	41.0	38.5	35.8	34.5	35.5
25 Q	36.4	36.3	35.0	35.6	35.1	35.5	34.7	34.5	33.7	33.2	32.4	30.6	28.7	27.8	29.1	33.9	37.3	40.2	41.0	40.6	39.6	38.3	37.1	35.9	35.1
26	35.9	36.0	35.2	35.1	35.2	34.7	34.6	32.4	29.6	32.3	32.2	32.8	30.0	28.6	30.4	37.1	41.5	43.3	43.3	42.3	40.0	37.2	35.6	35.1	35.5
27	34.5	30.0	35.1	35.5	34.6	34.6	31.9	27.8	28.2	30.5	32.7	30.1	28.6	27.3	31.4	37.8	41.5	43.1	45.0	40.7	38.6	36.9	35.9	35.5	34.5
28 Q	35.9	36.0	36.0	34.6	33.7	33.6	32.7	33.0	29.1	29.1	30.1	30.1	29.5	29.8	31.5	34.6	37.3	39.6	40.4	39.0	36.9	35.7	36.0	36.0	34.2
29 Q	36.9	36.4	35.9	36.4	35.4	35.1	34.6	34.5	33.6	33.5	32.7	31.8	30.5	30.9	33.3	36.9	39.6	41.7	40.6	38.8	37.1	35.9	36.5	36.9	34.6
30 D	36.0	35.5	35.5	35.4	35.1	34.6	33.8	33.3	32.7	32.0	31.4	29.8	27.8	24.3	24.5	26.2	30.8	44.6	49.1	45.5	33.2	36.5	44.3	38.4	34.6
31																									
Mean	35.1	35.1	34.6	34.4	35.0	33.9	33.2	33.3	32.2	31.6	31.3	29.6	27.8	28.2	31.7	36.8	41.1	43.8	44.1	41.9	38.8	36.5	35.6	35.4	35.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 83. Agincourt. (Z). 56,000 γ + September, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	601	601	601	601	601	600	600	599	595	595	601	602	601	595	591	589	594	596	604	609	611	624	629	630	603
2	629	624	617	615	614	614	609	609	608	608	612	613	603	600	599	605	606	602	602	609	616	609	610	618	611
3 Q	606	606	605	606	606	606	606	607	606	601	600	603	603	603	607	608	609	610	612	615	619	618	614	613	608
4	610	619	606	604	596	582	597	612	613	616	618	619	617	613	613	622	628	627	621	628	626	626	625	621	614
5	623	627	619	603	589	589	598	597	595	603	610	609	603	603	604	608	612	618	620	625	627	625	623	619	610
6	617	615	611	608	609	608	608	605	603	599	599	599	600	601	605	608	609	623	631	631	638	634	626	619	613
7	615	615	612	612	607	599	594	593	594	584	587	596	600	598	594	592	593	597	601	606	608	607	605	601	600
8	603	604	604	604	603	604	600	599	598	598	599	603	598	597	598	604	606	605	610	613	616	614	607	605	604
9	603	603	603	603	599	597	599	598	599	597	598	603	598	596	597	591	591	595	599	604	606	606	604	599	600
10 D	599	598	598	596	590	593	596	597	593	593	596	597	598	598	598	596	591	595	600	616	619	632	626	635	602
11 D	674	767	700	509	424	497	559	603	597	595	592	574	573	594	606	611	623	625	621	617	616	615	616	612	601
12 Q	609	608	607	602	602	602	600	600	599	599	598	594	595	598	595	599	603	602	602	606	609	614	610	610	603
13	617	611	599	597	598	600	598	565	554	564	577	588	586	592	601	598	601	609	617	623	629	636	632	630	599
14 D	623	622	621	615	608	585	577	591	548	537	561	575	582	585	596	600	600	597	597	600	600	605	606	612	612
15	614	610	606	606	605	598	589	599	602	599	595	584	584	591	595	595	595	598	602	605	605	599	599	602	599
16	599	598	598	598	596	597	596	567	576	598	600	596	596	594	592	589	591	596	605	612	606	609	603	604	596
17	602	600	595	597	573	574	601	608	603	601	600	600	597	600	596	597	588	588	593	597	597	597	596	595	596
18	593	593	588	583	592	592	593	594	592	592	591	592	593	603	606	596	598	609	616	617	618	633	636	633	602
19	609	600	604	604	598	602	600	600	601	597	600	600	599	594	598	594	591	594	609	618	621	613	602	599	602
20	595	592	591	592	590	593	594	590	590	593	590	596	590	592	592	591	592	597	600	606	601	599	593	596	594
21	595	592	599	603	602	596	595	591	591	591	591	591	591	591	590	590	590	593	600	603	604	604	606	605	596
22	602	601	602	602	603	603	603	603	599	600	600	605	605	588	580	576	582	588	591	591	591	597	591	587	595
23	584	585	584	587	583	578	573	567	569	567	571	565	567	566	565	562	568	568	576	585	595	616	617	612	579
24	625	631	608	537	546	567	564	529	552	561	568	566	572	573	568	576	579	578	582	587	589	590	591	593	576
25 Q	589	587	582	567	574	578	580	580	581	580	579	578	580	580	581	578	574	567	566	574	578	580	580	582	578
26	581	580	580	580	579	580	577	548	557	573	572	574	579	579	580	574	579	577	581	585	586	587	586	583	577
27	582	580	585	579	579	576	541	541	559	566	571	575	577	576	579	579	580	583	579	582	581	581	581	580	577
28 Q	579	577	578	579	571	576	572	561	562	562	566	568	571	573	574	576	579	580	580	580	584	585	580	580	575
29 Q	578	573	565	565	572	572	572	572	571	572	571	572	575	572	571	567	564	567	570	572	575	570	568	570	571
30 D	569	566	566	569	568	569	569	568	568	570	565	570	571	576	580	572	570	585	600	699	800	740	698	722	605
31																									
Mean	604	606	601	591	586	588	589	587	586	588	590	591	591	591	592	592	584	596	600	608	613	613	609	609	597

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 84. Agincourt — September, 1937.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 D	21	14	397	14	57	270	127	17	25	51.9	12	52	24.1	27.8	23	53	637	13	55	581	56	513	1
2	21	47	358	16	13	296	62	17	57	49.3	12	23	26.9	22.4	1	0	633	13	28	599	34	287	0
3 Q	22	0	367	15	32	276	91	17	48	49.3	12	37	25.6	23.7	20	7	621	10	57	600	21	259	0
4	3	58	357	14	50	288	69	17	13	46.5	5	48	25.0	21.5	17	10	631	5	24	573	58	429	1
5	0	22	356	15	12	285	71	18	7	45.3	3	18	25.7	19.6	1	59	634	4	47	580	54	415	1
6	20	21	363	14	22	284	79	18	44	49.7	13	11	22.1	27.6	20	18	641	10	13	596	45	380	1
7	21	56	352	14	53	286	66	17	51	49.6	12	58	22.1	27.5	0	11	617	9	30	579	38	317	1
8	21	37	363	15	26	276	87	19	8	46.6	13	27	24.0	22.6	20	8	622	13	19	597	25	276	0
9	21	3	367	15	36	276	91	17	50	45.1	12	28	23.0	22.1	21	0	610	15	27	589	21	259	0
10 D	22	13	463	15	22	283	180	20	10	50.2	12	57	24.1	26.1	22	12	662	22	30	581	81	735	1
11 D	1	58	385	4	9	157	228	4	7	54.4	3	33	15.6	38.8	2	3	830	4	4	283	547	3453	2
12 Q	19	57	347	16	35	283	64	18	6	46.6	13	2	30.2	16.4	19	4	614	15	30	596	18	202	0
13	2	2	354	14	12	283	71	7	9	46.6	8	28	25.6	21.0	18	12	643	8	27	545	98	663	1
14 D	4	59	364	15	52	279	85	17	54	43.1	12	7	22.5	20.6	0	1	627	8	52	523	104	717	1
15	21	12	343	15	20	291	52	16	16	40.8	12	22	25.8	15.0	0	52	626	6	9	575	51	369	1
16	23	47	353	16	42	290	63	17	19	45.4	8	50	21.9	23.5	19	16	613	7	48	536	77	538	1
17	4	22	381	15	47	284	97	4	26	43.6	5	24	26.6	17.0	0	12	605	4	27	559	46	409	1
18	20	44	363	16	44	275	88	16	30	50.4	11	44	29.4	21.0	22	56	639	3	6	577	62	493	1
19	3	48	347	13	44	287	60	18	5	43.6	12	16	28.5	15.1	0	17	626	1	5	590	36	301	1
20	23	36	366	15	8	297	69	17	53	42.7	23	59	28.1	14.6	19	40	608	12	30	589	19	214	0
21	20	42	359	14	30	286	73	17	40	41.3	12	54	26.3	15.0	3	50	610	16	30	589	21	236	1
22	2	0	348	16	0	276	72	18	14	48.6	11	25	27.2	21.4	11	33	609	15	20	576	33	304	1
23	21	38	366	16	26	280	86	17	58	42.2	12	39	25.9	16.3	21	59	632	14	10	562	70	534	1
24	23	22	351	7	17	271	80	17	57	45.3	7	25	25.2	19.9	1	13	650	3	38	491	159	1023	1
25 Q	2	54	356	16	8	294	62	18	13	41.5	13	35	27.4	14.1	0	20	592	3	47	563	29	265	1
26	7	25	354	15	37	271	83	17	37	44.6	13	14	27.8	16.8	20	58	589	7	42	538	51	418	1
27	6	22	356	18	8	284	72	18	16	49.6	7	33	25.9	23.7	20	3	588	7	22	526	62	460	1
28 Q	4	0	356	16	27	288	68	18	57	40.9	9	46	27.4	13.5	20	40	588	7	47	558	30	275	1
29 Q	2	32	351	16	2	304	47	17	56	42.4	13	0	30.5	11.9	20	7	579	2	52	563	16	163	0
30 D	20	12	499	16	22	266	233	18	39	52.3	13	51	18.0	34.3	20	8	867	16	12	561	306	2091	2
31																							
Mean			368			279	89			46.3			25.3	21.0			635			559	76	567	0.83
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 85. Agincourt. (H.) 15,000 γ + October, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	334	311	303	301	298	261	226	262	247	309	314	306	299	287	271	271	290	304	298	334	343	309	313	308	296
2	306	311	315	313	315	313	292	309	316	325	323	323	308	291	271	265	271	286	301	315	320	325	326	330	307
3	337	335	333	326	324	323	318	314	321	328	326	318	311	306	273	311	309	306	318	327	322	357	313	354	321
4 D	379	359	296	238	169	- 4	-79	94	299	292	287	279	272	263	260	259	265	274	292	294	292	306	302	300	249
5	296	299	296	300	300	305	305	306	306	305	306	303	295	277	265	276	289	299	308	306	313	322	318	323	301
6	329	328	323	319	318	319	323	321	323	323	328	321	314	303	289	284	291	306	319	317	325	329	332	336	317
7	332	334	329	332	330	354	335	334	342	338	328	318	308	313	290	272	281	305	318	314	301	321	322	316	320
8 D	322	296	276	206	114	192	157	197	272	295	295	305	301	291	282	279	259	294	311	308	308	308	308	314	271
9 D	315	316	317	318	322	323	326	334	337	335	342	332	269	230	211	273	309	301	304	307	309	320	351	371	312
10 D	340	309	314	320	318	301	208	164	240	296	311	247	257	271	267	262	265	265	298	303	308	321	319	310	284
11 D	316	321	328	323	319	325	313	313	328	333	335	332	321	314	204	292	335	318	318	306	304	304	317	336	315
12	321	326	323	320	320	321	322	313	302	313	298	314	320	300	282	272	270	286	307	350	357	318	338	329	313
13	309	311	310	318	312	309	313	299	279	298	311	309	301	294	270	268	289	294	292	299	313	313	324	328	303
14	330	331	335	356	318	303	318	313	296	323	330	321	318	303	291	280	275	284	303	310	327	335	341	342	316
15	342	342	342	339	338	340	330	313	306	319	338	329	296	308	291	279	288	303	311	316	333	308	309	315	318
16	315	321	325	328	329	328	328	326	313	326	333	326	323	309	290	276	275	294	306	313	319	316	327	324	315
17 Q	332	335	338	330	328	325	330	331	331	332	333	328	318	307	297	290	289	294	298	308	316	321	328	326	319
18 Q	319	337	339	337	337	345	332	330	332	328	331	337	330	313	296	287	291	297	309	317	326	332	343	348	325
19	348	347	347	345	344	343	342	343	342	340	343	336	330	320	304	291	286	290	297	301	313	328	336	338	327
20 Q	340	340	338	337	342	339	340	340	340	339	340	335	329	318	308	298	290	289	297	307	320	330	339	342	327
21	344	348	348	346	347	342	342	347	342	346	345	337	333	323	313	309	304	304	304	307	318	314	329	321	328
22	330	332	333	329	328	324	321	318	328	335	338	333	334	313	306	296	296	299	304	301	329	311	315	325	320
23	324	316	313	321	314	314	323	326	302	316	335	326	313	299	301	278	261	261	281	305	320	332	340	357	312
24	440	303	291	296	298	303	306	313	313	293	310	318	286	288	284	241	262	289	294	306	305	297	313	318	303
25	314	318	318	318	320	325	320	316	318	321	327	320	289	261	256	247	257	270	282	298	308	321	329	328	303
26	329	323	310	289	298	318	290	228	267	289	318	330	318	289	281	274	275	280	296	298	314	310	316	318	298
27	323	327	333	321	330	317	323	313	298	313	325	306	304	270	257	253	277	289	289	302	308	317	313	318	305
28	323	326	335	326	322	316	311	318	330	333	333	328	320	305	289	283	289	294	305	316	332	310	321	318	316
29 Q	323	321	328	325	324	321	321	318	331	338	336	330	323	306	279	273	289	297	306	321	327	327	331	329	317
30 Q	326	332	332	332	331	330	332	335	335	332	333	332	321	304	286	279	279	290	308	322	335	330	329	331	321
31	333	337	335	335	333	331	330	330	328	330	333	323	320	302	293	284	279	284	303	324	330	337	339	338	321
Mean	331	326	323	317	311	307	297	300	312	321	325	319	310	296	279	278	283	292	302	312	319	320	325	329	310

MAGNETIC DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 86. Agincourt. (D.) West 7° + . . . ′ October, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	39.8	33.8	40.1	37.9	35.6	29.7	19.0	26.0	34.2	33.4	33.0	33.8	34.7	35.4	29.7	42.0	42.4	43.8	44.7	38.3	34.7	37.7	36.1	35.7	35.5
2	37.2	37.0	36.9	37.0	36.5	36.5	36.8	33.2	29.3	32.9	33.4	31.6	29.7	29.7	32.5	38.1	41.5	42.8	41.9	40.2	38.5	37.1	37.4	37.8	36.1
3	36.9	37.0	34.8	36.1	36.5	34.8	33.4	31.6	31.9	32.0	32.5	35.7	40.1	37.7	41.9	47.7	46.9	44.1	44.1	41.8	41.3	40.1	39.3	38.4	38.2
4 D	33.7	37.2	35.4	19.3	42.0	65.7	54.0	31.0	24.7	24.6	29.2	31.9	32.6	32.1	33.3	37.4	39.8	41.6	41.6	40.1	39.1	39.3	40.1	40.0	36.9
5	39.9	39.3	38.7	38.3	37.6	37.0	36.4	36.0	35.3	35.0	34.1	33.3	31.7	31.9	29.2	40.7	42.0	44.0	44.4	42.9	41.8	40.7	39.7	38.3	37.8
6	37.6	38.5	36.7	35.5	36.6	36.5	36.1	34.9	34.2	34.4	33.4	30.4	28.5	28.4	31.8	34.7	38.4	42.0	43.4	44.4	42.5	40.2	38.9	37.5	36.5
7	36.7	34.8	30.9	35.7	35.2	35.5	35.4	28.4	28.0	30.2	30.7	35.0	38.0	36.4	38.2	44.8	46.7	43.5	40.7	44.5	44.4	42.6	39.8	38.4	37.3
8 D	37.5	36.6	28.0	27.3	31.8	32.1	30.0	42.5	30.1	30.2	34.8	33.8	31.7	30.4	32.7	34.3	38.8	39.3	37.9	39.1	39.8	39.2	38.9	38.4	34.8
9 D	37.8	37.5	37.6	37.2	37.1	37.0	36.2	34.8	32.6	31.7	31.2	28.9	38.2	55.5	57.5	58.7	45.3	41.9	42.1	40.8	38.9	38.5	38.0	45.8	40.0
10 D	40.2	39.9	36.6	32.3	27.0	29.8	35.3	23.5	18.8	29.4	30.9	39.3	37.5	32.9	33.4	35.2	40.8	43.0	42.9	41.1	39.4	32.5	33.4	36.2	34.7
11 D	38.4	37.6	37.1	36.6	34.4	30.4	31.7	32.4	31.2	31.6	31.1	30.2	28.8	30.6	29.9	44.9	39.8	42.1	42.0	41.7	40.7	39.0	38.8	37.6	35.8
12	36.1	36.2	36.7	36.0	35.6	34.8	33.9	32.0	37.1	26.7	34.9	25.1	24.3	27.1	30.3	34.6	39.6	41.9	42.8	41.9	43.7	44.8	39.3	40.2	35.9
13	40.1	38.9	36.1	34.9	37.1	38.8	35.2	39.3	43.5	38.9	37.1	37.3	35.3	34.8	31.8	35.0	37.8	39.8	41.6	41.4	39.9	38.5	38.0	37.5	37.9
14	36.8	37.1	36.3	30.8	35.9	32.2	32.1	33.6	38.5	32.7	32.3	32.3	30.8	30.8	32.7	34.9	38.5	41.3	42.0	41.0	39.8	38.5	37.6	36.7	35.6
15	36.6	35.9	35.7	35.4	34.9	33.5	30.9	33.6	31.7	29.2	32.3	37.7	37.4	35.4	35.1	42.7	43.6	44.7	43.9	43.6	42.0	39.6	39.0	37.2	37.1
16	35.5	35.4	34.9	34.9	35.3	35.4	34.8	37.6	37.9	31.9	30.8	32.7	30.8	30.6	31.2	36.3	42.1	44.7	43.7	41.8	39.9	39.5	39.4	37.7	36.5
17 Q	36.6	35.9	35.4	34.0	34.4	34.5	34.3	34.0	35.2	34.3	34.0	32.7	31.2	30.1	29.7	32.1	35.8	38.1	39.5	40.0	39.0	38.1	37.2	36.7	35.1
18 Q	32.7	35.5	36.0	35.5	32.2	30.7	31.9	30.4	31.0	34.6	36.1	33.6	30.8	28.4	28.9	31.8	35.7	39.9	41.0	41.4	40.5	39.4	38.2	36.8	34.7
19	36.3	35.8	35.4	35.0	34.9	34.8	34.2	34.1	33.5	33.6	34.1	32.8	32.6	30.5	29.1	32.2	36.6	40.0	42.4	43.1	41.8	39.5	37.8	36.3	35.7
20 Q	35.9	35.7	35.6	35.5	35.0	34.9	34.6	34.6	34.0	34.0	33.8	32.2	30.2	29.5	28.7	30.9	34.0	36.9	38.7	40.4	40.0	38.6	37.4	36.4	34.9
21	36.0	35.4	34.7	34.6	34.6	34.8	35.3	35.0	33.2	33.6	32.2	35.5	37.3	34.6	35.4	38.4	43.5	43.7	42.8	42.1	41.0	40.5	41.3	38.0	37.2
22	36.0	35.3	35.1	35.9	35.0	31.9	30.4	31.9	29.6	28.2	29.5	31.3	31.3	34.0	33.5	31.6	35.5	38.7	40.4	39.6	39.5	39.0	38.2	36.3	34.5
23	32.3	28.4	25.7	32.3	35.4	33.7	31.3	32.3	42.3	34.0	37.5	41.4	36.6	35.4	36.3	38.4	41.3	45.6	43.1	41.4	41.9	39.6	32.9	28.4	36.1
24	23.8	32.3	31.9	34.1	35.7	36.6	37.8	37.5	34.1	43.6	35.1	32.0	38.7	40.4	32.4	38.7	44.2	44.2	44.6	42.2	41.5	39.6	37.4	37.0	37.3
25	36.0	32.0	32.0	35.1	34.0	36.0	35.6	32.9	37.8	36.0	32.3	31.9	32.7	36.1	37.8	43.3	45.0	43.1	43.7	43.2	41.1	37.7	36.9	35.9	37.0
26	35.7	34.2	25.8	32.1	35.7	32.8	36.6	27.6	20.7	36.4	33.3	32.4	31.4	34.8	34.9	40.3	41.5	40.9	39.4	39.6	37.6	36.5	34.8	35.8	35.1
27	32.0	34.2	32.3	33.4	33.3	33.6	36.1	35.1	37.8	35.4	40.5	44.7	44.7	46.9	37.8	42.2	42.2	40.7	41.5	40.2	37.9	36.3	36.4	34.2	38.2
28	36.0	31.9	35.0	35.7	35.9	37.6	38.8	31.6	32.9	32.0	33.7	35.5	30.0	30.1	31.4	37.6	38.4	40.9	41.4	40.5	39.2	38.3	32.9	36.9	35.6
29 Q	36.6	35.2	34.1	36.6	35.2	36.2	34.2	35.2	35.2	33.9	33.0	32.4	31.1	30.1	33.0	39.1	41.3	42.2	42.3	40.7	38.7	37.7	37.4	36.5	36.2
30 Q	32.9	35.9	35.2	36.1	36.5	36.4	36.6	36.4	34.6	34.4	33.8	32.4	30.6	29.7	31.6	35.9	38.8	40.2	40.6	39.2	37.8	37.7	37.7	36.9	35.8
31	34.4	34.7	36.4	35.6	36.2	35.7	35.2	35.2	35.3	35.3	32.9	32.1	30.1	31.5	32.9	35.9	40.2	43.4	43.8	42.4	40.6	38.9	36.8	36.2	36.3
Mean	35.9	35.7	34.6	34.3	35.2	35.5	34.7	33.3	33.0	33.0	33.3	33.6	33.4	33.6	33.7	38.4	40.6	41.9	42.0	41.2	40.1	38.9	37.6	37.1	36.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 87. Agincourt. (Z). 56,000 γ + October, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	733	696	652	631	617	583	528	549	514	540	557	569	584	593	591	594	598	627	640	669	673	627	617	622	608
2	626	616	610	614	603	600	560	563	567	587	589	592	593	595	595	589	585	588	593	597	596	595	593	592	593
3	594	591	591	590	594	591	588	584	590	594	592	582	565	558	566	565	573	587	595	603	602	609	599	624	588
4 D	693	697	713	505	523	377	302	479	615	621	611	608	615	608	607	607	608	604	605	606	604	600	601	599	583
5	600	600	598	595	595	595	594	594	595	595	595	595	591	585	586	590	594	598	595	595	595	602	598	595	595
6	597	597	601	597	597	592	592	591	589	591	588	594	596	592	590	591	592	599	600	598	597	596	593	593	594
7	595	596	596	595	596	580	567	548	545	578	585	588	586	581	575	574	578	580	588	609	613	615	632	624	588
8 D	635	623	615	539	400	462	457	492	520	559	579	590	597	599	597	595	615	620	606	600	599	600	600	602	571
9 D	600	599	598	598	594	593	597	590	589	590	594	585	582	570	558	583	605	605	615	623	626	629	638	705	603
10 D	713	675	669	656	645	632	525	488	519	595	591	553	574	587	595	601	607	613	616	617	621	631	630	622	606
11 D	616	610	609	605	604	588	572	585	597	602	597	604	603	600	579	585	582	586	587	605	608	604	603	609	598
12	611	606	605	605	606	608	604	597	567	576	547	567	591	598	599	599	603	604	604	611	619	651	667	671	605
13	654	631	621	613	600	590	593	589	578	586	590	589	596	603	606	611	601	600	602	600	601	604	603	601	602
14	601	602	600	592	569	591	601	600	574	581	593	592	599	600	599	595	597	600	603	600	600	595	595	595	595
15	597	595	595	594	594	594	893	582	553	541	545	547	558	573	582	583	588	595	605	619	629	605	597	597	556
16	598	597	596	596	595	595	594	584	562	568	577	582	589	591	584	585	589	590	591	590	590	589	590	589	588
17 Q	589	586	586	587	588	591	587	586	584	583	584	586	586	585	580	579	578	578	578	583	584	586	586	586	584
18 Q	589	588	586	583	583	580	577	574	574	579	577	574	578	583	577	574	571	573	574	577	579	580	580	581	579
19	583	583	584	584	583	583	584	584	584	583	582	584	584	585	584	584	582	585	586	584	583	583	582	582	584
20 Q	581	581	583	582	583	581	580	580	580	579	579	583	583	581	584	583	582	583	583	584	581	583	582	582	582
21	581	580	579	579	579	579	578	573	577	579	576	578	576	573	573	570	573	573	576	577	582	581	584	585	577
22	585	580	578	578	576	573	565	563	563	570	573	573	570	571	569	565	566	568	571	573	578	581	586	585	573
23	581	570	570	579	563	550	564	565	542	528	535	532	540	551	558	560	562	573	587	594	595	603	656	714	574
24	670	655	644	635	631	625	618	612	603	591	572	592	592	591	582	594	603	600	603	604	607	609	609	608	610
25	605	597	603	600	599	593	593	592	588	587	592	594	594	594	595	595	596	600	599	597	597	596	596	595	596
26	596	596	597	589	571	589	554	529	533	513	543	566	572	573	569	572	574	583	590	590	589	589	587	586	573
27	586	582	580	575	571	567	574	574	545	536	547	554	553	555	566	578	594	588	588	589	588	587	586	587	573
28	583	582	574	574	578	574	566	565	571	574	573	571	572	574	574	574	579	579	580	580	583	587	592	586	577
29 Q	584	582	581	575	579	575	574	575	575	576	575	579	579	579	580	579	575	575	578	579	579	579	580	579	578
30 Q	579	578	578	577	577	577	575	573	574	575	575	577	578	581	575	573	575	575	578	575	574	572	573	572	575
31	572	572	568	567	572	572	572	569	568	567	566	565	570	572	572	570	572	571	572	572	574	575	572	570	570
Mean	611	605	602	590	583	577	565	568	569	575	577	579	582	583	583	584	587	591	594	597	598	598	600	605	588

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 88 Agincourt — October, 1937.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	0	8	412	6	28	183	229	18	13	46.5	6	36	12.8	33.7	0	3	794	8	38	475	319	2159	1
2	23	59	334	15	37	262	72	17	24	43.6	8	24	27.8	15.8	0	12	631	6	43	534	97	658	1
3	21	34	398	4	21	246	152	16	7	50.7	8	1	30.1	20.6	23	59	686	13	12	552	134	992	1
4 D	0	6	447	6	30	-152	599	5	28	82.3	3	12	6.5	75.8	2	18	779	6	0	65	714	4962	2
5	21	23	335	14	38	252	83	17	8	45.9	13	18	26.6	19.3	21	54	603	13	7	583	20	241	1
6	23	23	342	16	4	277	65	19	9	45.7	13	13	22.5	23.2	18	18	606	10	10	587	19	196	1
7	5	43	379	15	50	265	114	16	50	48.5	8	2	25.7	22.8	22	48	640	7	53	524	116	825	1
8 D	0	24	333	4	13	-80	413	4	16	80.1	4	38	14.7	65.4	1	9	676	4	7	145	531	3636	2
9 D	23	16	391	14	28	174	217	14	42	63.9	11	57	26.6	37.3	23	59	797	14	18	543	254	1772	1
10 D	0	3	396	7	44	88	308	6	56	58.9	8	52	12.0	46.9	0	1	801	7	25	401	400	2744	2
11	19	3	383	14	30	49	334	15	51	49.9	14	21	18.8	31.1	0	1	621	14	23	551	70	912	2
12	19	38	398	16	33	265	133	10	38	47.6	12	10	20.2	27.4	22	40	706	10	53	508	198	1326	1
13	23	59	329	14	46	257	72	8	19	45.8	14	27	29.2	16.6	0	34	701	8	28	570	131	852	1
14	3	46	380	16	28	271	109	8	42	44.2	3	33	20.4	23.8	18	51	606	8	50	558	48	438	1
15	11	14	362	15	28	275	87	17	17	45.8	10	6	25.8	20.0	20	7	643	9	34	536	107	739	1
16	10	2	335	16	7	267	68	17	30	45.8	12	51	28.3	17.5	0	50	603	8	30	557	46	365	1
17 Q	1	49	338	16	49	284	54	18	48	40.9	14	34	29.5	11.4	6	0	592	16	12	577	15	168	0
18 Q	22	59	354	15	43	285	69	18	54	41.9	14	0	27.2	14.7	0	50	591	17	0	571	20	219	1
19	0	15	349	16	37	279	70	18	52	44.1	14	11	29.1	15.0	21	0	587	16	27	579	8	151	0
20 Q	23	32	345	17	38	287	58	19	58	41.3	14	22	28.4	12.9	21	10	584	22	48	579	5	116	0
21	1	57	352	16	23	296	56	16	49	46.6	10	28	31.9	14.7	23	50	586	15	18	569	17	182	1
22	20	27	347	18	27	289	58	18	51	41.4	9	52	25.9	15.5	22	43	591	6	42	561	30	259	1
23	23	45	486	17	7	245	241	17	53	49.1	23	45	0.9	48.2	23	52	773	9	24	520	253	1803	1
24	0	34	567	15	58	236	331	9	49	57.8	0	28	-11.5	69.3	0	14	794	10	10	555	239	1863	2
25	0	57	338	15	32	242	96	16	30	46.9	2	4	26.9	20.0	0	20	609	9	16	584	25	290	1
26	10	58	341	7	33	160	181	7	30	46.7	8	30	18.4	28.3	3	26	600	9	22	483	117	941	1
27	2	38	348	15	43	242	106	12	58	54.1	0	36	26.7	27.4	16	37	598	8	53	532	66	538	1
28	2	12	352	15	52	276	76	6	12	48.2	1	49	24.6	23.6	22	10	596	6	24	562	34	311	1
29 Q	3	0	343	15	16	260	83	18	3	43.0	13	41	28.8	14.2	1	0	587	5	46	582	5	156	1
30 Q	7	6	338	16	12	276	62	17	56	41.2	12	44	28.4	12.8	14	0	581	15	54	572	9	146	1
31	22	26	340	16	32	278	62	17	56	44.5	12	42	29.3	15.2	21	0	577	11	4	563	14	174	1
Mean			371			220	151			49.4			22.3	27.1			650			518	131	972	1.06
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 89. Agincourt. (H.) 15,000 γ + November, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	337	335	335	334	334	333	334	334	335	335	337	333	325	315	302	297	298	303	315	317	327	336	337	335	326
2	336	336	317	311	312	311	305	310	308	326	339	331	321	307	297	290	292	297	312	308	324	327	325	318	315
3	325	327	329	329	331	328	329	330	336	337	338	336	330	322	313	305	295	298	308	322	327	332	336	339	325
4 Q	339	340	341	341	338	339	331	339	337	340	340	338	326	315	309	300	294	300	310	320	332	336	339	342	329
5 Q	344	342	342	338	341	331	325	332	340	344	346	344	337	322	309	300	300	307	312	323	331	335	339	342	330
6 Q	346	344	345	344	342	341	341	342	345	344	345	342	337	322	308	297	295	300	314	325	336	339	339	336	332
7	338	336	332	330	339	334	333	332	340	346	347	346	340	325	312	307	315	322	336	329	332	347	341	330	333
8	329	322	338	330	325	327	327	324	329	329	331	329	322	312	304	307	310	319	312	317	337	328	318	320	323
9	333	330	318	322	324	317	317	308	332	320	322	326	313	307	288	302	309	305	310	316	323	330	331	334	318
10	334	335	336	336	335	331	332	334	334	333	334	322	327	317	303	302	309	309	312	318	327	331	339	342	327
11	346	340	339	338	336	330	336	330	327	329	327	332	335	321	312	302	305	307	322	329	327	331	320	331	327
12	334	335	325	330	332	329	332	331	332	334	334	331	329	327	320	310	310	309	319	324	317	327	335	339	327
13	341	338	337	337	337	335	339	334	335	336	339	341	339	328	325	317	314	310	310	328	334	334	340	342	332
14	341	341	342	338	338	337	337	336	338	336	334	329	331	317	312	312	315	317	325	331	333	333	336	337	331
15 Q	339	339	340	339	340	339	339	338	337	339	342	341	337	325	317	311	311	317	326	334	339	337	340	341	334
16 Q	341	341	344	342	341	341	341	341	341	342	344	341	336	326	320	316	323	329	336	342	346	344	347	350	338
17	346	344	343	342	344	344	344	343	343	344	349	351	346	342	334	327	334	338	344	340	339	332	331	327	340
18 D	315	307	305	308	312	279	288	302	305	308	307	302	339	317	304	301	315	304	298	306	331	319	305	316	308
19 D	320	312	315	321	324	323	322	316	312	321	310	316	298	267	273	253	284	293	307	310	320	309	314	317	307
20	319	320	320	313	312	315	322	311	292	307	328	327	323	294	277	277	301	307	310	312	319	327	327	322	312
21	321	324	324	326	320	323	324	320	319	328	333	326	304	307	311	296	292	297	296	307	323	330	330	328	317
22	331	331	322	329	328	319	316	321	331	316	307	356	336	294	277	282	259	271	292	294	304	307	304	311	310
23 D	311	329	327	321	326	311	316	310	303	317	323	304	306	319	300	290	293	292	299	314	323	322	326	325	312
24	330	324	327	338	335	328	319	306	319	325	330	326	308	317	314	305	295	298	305	311	318	318	326	326	319
25	333	330	330	330	330	333	328	331	333	331	333	331	326	321	314	309	304	307	313	318	316	321	330	331	325
26	334	335	338	340	333	329	329	330	333	333	335	332	330	324	319	307	301	309	321	326	330	330	328	331	328
27	339	340	339	338	338	339	340	339	338	335	335	337	337	330	329	321	315	311	312	328	325	321	323	318	330
28	314	311	308	301	308	308	306	297	292	307	330	316	311	318	311	307	307	311	321	314	321	316	317	311	311
29 D	322	333	324	328	325	326	328	321	321	326	333	330	316	323	338	319	302	280	287	305	296	319	325	323	319
30 D	331	324	329	324	320	313	299	290	287	299	294	287	301	282	292	277	265	258	267	283	321	320	319	300	299
31																									
Mean	332	332	330	330	330	327	326	325	326	329	332	331	326	316	309	302	302	305	312	319	326	328	329	329	323

MAGNETIC DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 90. Agincourt. (D.) West 7° + . . . ′ November, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	35.7	35.3	35.8	35.8	35.8	35.9	34.9	34.1	33.6	32.0	31.0	31.0	30.6	30.0	30.5	34.7	39.7	42.3	42.0	42.6	42.0	40.5	40.4	38.8	36.1
2	36.6	35.6	36.6	35.2	33.5	30.8	29.0	27.8	29.2	30.9	28.9	29.5	29.6	29.9	32.9	35.1	37.8	39.8	40.5	39.4	38.4	37.6	37.1	38.0	34.1
3	36.3	35.1	35.9	34.8	35.8	34.8	34.3	39.0	35.8	33.2	32.0	32.0	30.8	31.0	32.7	35.9	37.8	39.9	40.8	39.3	37.8	37.8	37.3	36.9	35.7
4 Q	36.7	36.3	35.7	35.9	35.7	33.8	38.0	34.1	33.8	32.8	32.6	31.7	31.7	31.1	33.3	36.7	40.4	41.1	41.0	39.5	38.1	37.2	37.0	35.9	35.8
5 Q	35.7	35.8	35.4	34.3	33.6	32.9	32.0	32.6	32.9	32.1	32.2	31.6	30.9	28.9	30.1	32.9	35.8	37.9	39.0	38.6	36.9	36.7	36.6	36.1	34.2
6 Q	35.9	35.7	35.1	34.9	35.2	34.7	35.1	34.7	34.6	33.9	32.8	32.8	31.6	30.0	30.2	33.9	37.1	39.5	40.8	38.8	37.8	37.8	37.8	36.8	35.3
7	36.0	35.4	33.9	35.7	33.6	32.9	34.4	34.0	35.0	31.2	30.0	32.6	33.7	33.1	32.6	37.0	40.9	39.9	41.6	42.8	43.8	43.2	42.6	41.5	36.6
8	44.0	37.0	34.0	31.2	35.0	34.0	34.0	34.5	33.3	32.9	33.4	33.0	32.9	32.0	32.6	35.7	37.8	39.1	41.0	40.7	40.0	39.3	42.6	38.8	36.2
9	36.8	35.8	33.8	34.4	33.3	32.9	28.3	33.5	33.0	31.5	31.0	32.1	33.9	33.9	35.9	35.0	35.9	37.0	37.6	37.7	37.3	37.8	37.7	36.9	34.7
10	37.5	35.9	34.8	34.8	34.2	34.3	34.5	34.6	34.4	34.0	33.5	34.2	31.1	29.9	29.8	33.8	35.0	37.6	38.8	37.8	37.2	37.3	37.5	36.4	34.9
11	35.7	34.7	34.8	34.2	35.1	34.8	32.8	32.2	32.8	31.2	33.0	35.2	32.6	30.5	34.2	36.7	38.0	39.7	40.7	41.2	40.5	41.0	39.0	38.9	35.8
12	36.8	35.8	31.0	33.6	34.0	33.7	36.0	35.9	34.4	34.2	33.8	35.2	35.0	33.0	33.0	35.9	37.0	38.8	39.9	40.8	39.9	38.3	35.6	36.1	35.7
13	35.7	35.5	35.0	34.9	34.7	34.5	35.0	32.9	33.8	34.4	34.0	33.9	32.8	30.9	32.7	34.0	35.9	37.0	39.3	37.7	37.7	38.1	37.5	36.6	35.2
14	35.9	35.6	34.8	33.4	36.5	35.8	35.9	35.3	34.5	33.7	33.7	35.6	32.7	30.2	32.2	34.0	35.6	35.9	36.0	35.6	36.4	37.7	37.0	36.5	35.0
15 Q	35.8	35.8	35.7	35.4	35.3	35.5	35.2	34.8	34.7	34.1	33.5	33.5	32.6	31.6	32.9	35.0	37.4	38.0	38.7	37.8	37.1	36.7	36.7	36.5	35.4
16 Q	35.7	35.6	34.9	35.5	35.2	35.4	35.2	34.9	34.7	33.8	33.7	33.5	33.0	32.6	34.0	36.2	37.5	38.8	38.9	37.8	36.7	36.6	36.6	36.0	35.5
17	35.7	35.4	34.8	34.8	34.9	35.2	35.1	35.1	37.0	33.6	31.8	31.9	32.0	31.7	33.3	37.6	41.3	42.1	42.6	40.7	39.1	38.7	38.0	37.7	36.3
18 D	38.6	36.7	33.6	32.6	35.8	48.9	31.0	29.3	26.1	21.4	28.6	42.7	41.8	28.5	35.8	38.1	41.7	40.2	44.1	46.8	43.6	41.9	37.6	35.0	36.7
19 D	34.6	35.2	35.3	34.8	35.8	35.7	35.6	34.0	33.7	32.9	36.5	40.6	41.9	39.1	43.1	47.0	46.4	43.5	42.0	40.0	37.8	36.0	35.8	35.5	38.0
20	34.6	35.0	36.0	35.3	35.6	35.0	42.1	37.2	42.0	39.3	33.5	33.1	32.4	37.3	42.6	40.7	40.6	42.2	41.2	38.8	37.8	37.0	37.8	36.0	37.6
21	36.0	35.9	35.4	37.9	37.1	34.0	35.6	36.6	38.6	33.9	31.4	33.0	35.5	33.9	33.0	36.2	38.1	39.1	39.2	38.6	38.4	38.2	38.3	35.2	36.2
22	34.0	33.6	33.0	33.2	36.0	37.0	38.3	38.4	35.0	37.2	50.8	34.4	32.1	31.6	37.5	40.0	41.2	41.9	43.2	42.1	38.0	36.9	35.5	36.1	37.4
23 D	30.7	31.0	33.8	33.7	36.0	43.6	36.6	36.1	36.6	34.9	32.7	35.0	38.2	34.0	32.8	34.1	36.1	38.7	37.6	39.5	38.8	35.4	36.0	33.5	35.6
24	33.4	33.9	33.6	37.1	35.1	34.1	33.6	37.7	29.0	30.6	35.2	35.2	48.1	44.6	37.6	33.0	35.7	39.0	39.8	39.8	38.8	37.8	37.6	35.9	36.5
25	32.6	35.2	35.0	34.9	35.0	35.8	38.0	38.0	35.1	34.9	35.1	35.3	34.9	32.7	32.0	33.8	34.5	35.0	36.6	37.7	38.9	38.6	37.5	36.1	35.5
26	35.4	34.2	33.7	34.9	36.0	34.9	35.5	34.6	35.2	34.3	33.7	34.1	34.0	32.7	32.0	33.5	35.0	37.8	38.7	38.1	38.0	38.0	37.0	35.8	35.3
27	35.7	35.0	34.6	33.9	34.6	34.7	35.6	35.7	35.1	34.4	34.1	33.7	33.8	31.6	33.6	33.9	35.6	37.7	38.8	39.9	40.0	38.8	36.6	36.9	35.6
28	36.0	35.0	34.6	32.6	33.6	34.5	34.0	35.1	35.0	36.3	28.5	37.5	44.6	43.2	43.7	44.6	45.7	43.3	41.7	40.6	38.9	38.1	37.1	36.7	37.9
29 D	32.6	34.6	34.7	34.9	35.8	36.1	35.9	33.9	35.0	40.9	32.6	34.7	43.5	42.9	42.0	44.7	43.0	48.1	45.9	43.0	43.1	40.9	38.1	35.7	38.9
30 D	36.2	37.7	35.9	36.6	36.5	35.5	35.0	33.0	26.8	25.4	22.4	35.4	30.9	34.4	44.0	43.1	41.8	47.2	47.3	41.8	43.4	38.7	40.1	39.4	37.1
31																									
Mean	35.8	35.3	34.7	34.7	35.1	35.4	34.9	34.7	34.0	33.2	32.9	34.1	34.6	33.2	34.7	36.8	38.5	39.9	40.5	39.9	39.1	38.3	37.7	36.7	36.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 91. Agincourt. (Z). 56,000 γ + November, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	576	571	571	571	571	572	572	571	571	571	571	571	571	568	563	563	566	569	569	570	571	572	573	575	571
2	580	581	583	584	581	576	574	574	573	573	569	575	574	574	574	574	573	575	577	581	578	579	579	580	577
3	583	581	581	580	579	580	578	575	571	572	575	575	575	575	572	570	569	573	575	575	575	575	575	574	575
4 Q	579	579	579	578	578	577	576	576	577	577	577	576	576	576	576	575	576	579	579	579	580	579	578	578	578
5 Q	583	582	582	582	581	581	580	581	582	582	581	581	581	581	577	575	573	576	580	581	580	580	580	578	580
6 Q	581	581	583	583	583	583	584	584	584	584	582	581	581	581	579	579	580	584	586	587	587	588	587	587	583
7	589	589	588	589	586	587	587	587	586	585	585	585	586	587	582	583	586	586	586	588	590	594	595	601	588
8	624	511	609	603	603	597	597	596	596	596	594	595	594	595	597	599	599	601	606	603	606	606	606	607	602
9	606	606	606	605	599	595	590	574	582	593	594	599	594	594	591	592	592	595	598	598	597	598	597	596	596
10	597	596	596	596	596	595	594	592	594	595	593	596	597	596	592	593	592	594	594	596	593	594	597	597	595
11	597	596	594	593	593	593	593	592	592	594	590	585	588	586	576	578	581	584	588	589	589	591	594	597	590
12	597	594	597	593	591	591	589	588	588	588	585	584	584	583	579	579	575	579	582	584	585	588	588	585	587
13	584	584	585	584	584	584	584	583	583	583	582	582	582	582	579	576	577	580	583	583	584	584	583	583	582
14	583	583	584	585	584	586	586	586	587	587	585	585	586	585	584	585	585	585	588	589	589	588	588	588	586
15 Q	588	588	588	588	588	587	588	588	589	590	588	588	588	587	584	582	588	588	589	591	590	590	590	590	588
16 Q	589	589	588	588	588	588	589	589	590	590	590	590	590	589	587	585	588	589	583	590	590	590	589	589	589
17	598	598	597	597	597	597	598	597	596	591	594	594	595	594	592	594	594	597	598	599	599	600	604	605	597
18 D	614	621	626	620	608	486	577	587	579	579	564	570	563	571	577	583	584	588	600	606	608	616	626	619	590
19 D	609	611	612	609	607	606	606	599	575	581	571	573	579	588	601	603	603	606	606	607	609	608	608	609	599
20	610	608	608	605	606	604	586	587	572	539	546	574	592	594	578	586	596	585	586	594	594	596	597	594	589
21	595	598	595	587	585	592	595	590	590	588	589	587	587	595	590	588	593	595	598	602	600	601	598	600	593
22	602	599	596	587	589	590	588	581	588	575	527	539	562	574	570	575	578	593	595	597	597	604	596	595	583
23 D	597	589	589	584	585	566	568	555	556	570	569	563	570	574	574	578	582	587	593	592	592	594	590	589	579
24	588	584	584	571	575	578	575	556	545	554	555	562	563	564	563	563	567	573	577	577	578	581	581	578	571
25	578	578	578	578	578	577	575	572	573	574	575	573	574	576	576	574	576	577	578	578	579	580	580	579	576
26	580	579	578	573	578	578	578	579	578	577	574	577	578	578	578	573	574	579	579	579	580	582	582	581	578
27	581	580	581	581	580	580	580	580	580	580	579	580	580	580	579	577	578	581	585	586	585	593	597	593	583
28	590	592	593	597	594	588	579	566	524	532	545	552	564	555	557	565	571	579	581	581	581	583	582	582	572
29 D	582	570	578	582	582	581	572	574	576	569	568	567	567	566	569	569	574	581	588	609	605	598	590	588	579
30 D	589	594	591	599	592	590	589	584	569	561	556	539	540	554	547	554	567	576	596	620	637	658	633	627	586
31																									
Mean	592	592	591	589	588	583	584	581	578	578	575	576	578	580	578	579	581	584	588	590	591	593	592	592	585

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 92. Agincourt — November, 1937.

Day	Horizontal Force							Declination							Vertical Force							Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	0	53	340	16	30	296	44	19	49	42.9	13	32	29.0	13.9	23	59	576	14	50	562	14	153	0
2	10	33	340	15	51	288	52	18	26	41.1	7	24	26.0	15.1	2	50	584	9	56	569	15	171	1
3	23	30	341	16	34	291	50	7	36	43.6	12	6	30.1	13.5	0	2	584	8	16	567	17	156	1
4 Q	23	33	344	16	28	290	54	16	19	41.6	13	3	30.7	10.9	5	0	579	6	52	573	6	118	1
5 Q	11	40	347	16	22	298	49	19	10	39.9	13	33	28.4	11.5	19	10	584	16	34	574	10	132	0
6 Q	0	8	347	16	3	293	54	18	9	40.9	13	43	29.1	11.8	23	0	589	14	40	579	10	140	0
7	21	48	358	15	13	302	56	23	59	45.3	4	50	29.1	16.2	23	58	608	15	4	582	26	233	1
8	2	46	351	15	59	296	55	0	23	47.6	3	10	23.7	23.9	0	33	636	10	38	593	43	328	1
9	8	23	351	14	37	278	73	5	3	40.0	6	34	25.0	15.0	3	20	608	7	28	562	46	371	1
10	23	21	346	14	58	290	56	18	11	39.2	14	12	27.5	11.7	12	3	600	7	24	592	8	131	0
11	0	24	348	16	4	298	50	19	26	42.7	13	50	27.7	15.0	22	27	600	14	50	575	25	219	1
12	23	32	340	16	52	305	35	19	7	41.6	2	57	28.8	12.8	2	53	598	16	43	575	23	184	1
13	23	0	348	18	14	300	48	18	36	40.3	13	30	30.1	10.2	19	13	585	15	50	575	10	131	1
14	2	53	347	14	16	307	40	21	10	37.6	13	31	29.3	8.3	23	20	589	3	0	582	7	102	1
15 Q	23	27	343	16	28	309	34	18	34	38.9	13	3	30.6	8.3	20	0	591	15	0	582	9	97	0
16 Q	23	42	351	15	27	314	37	17	52	39.1	13	13	31.9	7.2	18	0	593	15	0	585	8	97	0
17	11	11	353	15	29	324	29	16	24	42.8	13	19	31.0	11.8	23	58	608	9	10	589	19	153	1
18 D	12	38	361	5	42	253	108	5	39	56.9	9	25	19.1	37.8	23	8	629	5	43	529	100	732	1
19 D	20	20	336	15	27	232	104	15	50	52.5	8	54	24.7	27.8	20	27	615	10	52	557	58	488	1
20	9	53	340	15	18	254	86	14	0	50.3	12	51	28.7	21.6	0	12	610	9	17	530	80	585	1
21	2	2	338	15	53	287	51	3	59	45.1	10	34	30.0	15.1	20	14	604	3	56	573	31	254	1
22	11	25	377	16	37	246	131	10	27	58.7	12	52	25.0	33.7	21	25	608	10	33	516	92	723	1
23 D	1	33	340	17	48	270	70	5	33	50.1	1	3	23.8	26.3	0	13	600	8	16	540	60	442	1
24	3	28	360	16	50	289	71	12	46	55.8	8	29	23.1	32.7	0	6	591	8	8	537	54	415	1
25	0	19	340	16	53	298	42	7	14	39.8	0	9	29.8	10.0	20	40	583	7	25	570	13	139	0
26	3	9	348	16	26	297	51	18	7	38.8	2	32	30.2	8.6	21	55	583	15	44	572	11	147	0
27	0	57	341	20	38	311	30	19	58	41.7	13	26	30.6	11.1	22	3	607	15	20	577	30	216	1
28	10	32	335	8	32	275	60	12	44	52.6	9	8	23.5	29.1	3	32	599	8	30	507	92	613	1
29 D	1	3	363	17	59	268	95	18	3	53.1	0	47	19.0	34.1	19	37	620	1	11	551	69	537	1
30 D	20	47	356	17	55	253	103	20	38	51.5	10	27	20.8	30.7	21	32	690	11	42	513	177	1167	1
31																							
Mean			348			287	61			45.1			27.2	17.9			602			563	39	312	0.73
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 93. Agincourt. (H.) 15,000 γ + December, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	277	282	270	260	258	248	260	260	270	280	317	326	317	306	300	282	275	282	289	308	319	319	321	320	290
2	315	297	301	296	286	302	282	290	309	327	326	329	328	319	305	294	287	292	307	316	321	321	316	320	308
3	325	320	316	309	315	321	322	321	318	331	333	334	326	325	314	300	296	306	311	314	310	323	326	328	319
4 Q	324	324	323	316	314	319	322	325	326	325	335	341	338	330	320	308	300	304	316	326	331	333	338	339	324
5	339	339	336	338	340	340	339	335	334	336	339	340	338	339	335	323	318	323	321	323	328	336	340	338	334
6	340	338	333	317	316	328	341	337	340	338	334	333	333	326	309	302	298	307	311	321	328	327	335	333	326
7	337	335	335	326	322	328	333	326	326	330	336	335	328	323	309	299	292	287	298	316	325	321	328	330	322
8	327	328	327	326	328	321	327	327	328	331	328	324	322	319	292	287	302	303	313	319	323	328	337	332	321
9	338	335	321	322	325	333	333	331	331	333	333	335	331	323	304	296	296	301	312	320	323	333	341	335	325
10	335	336	332	329	333	331	333	332	331	332	338	335	333	307	308	311	301	305	309	321	322	333	335	338	326
11	341	337	346	341	336	313	317	332	333	335	331	321	322	328	312	306	296	304	313	321	328	334	341	331	326
12	327	335	337	336	341	335	336	336	335	336	336	338	336	333	323	311	306	316	330	333	334	338	341	342	332
13 Q	343	341	341	342	341	337	338	337	336	327	341	336	332	323	313	303	303	315	330	340	344	343	345	337	333
14 Q	346	346	346	342	342	343	346	340	341	341	343	342	341	333	316	299	297	310	326	334	335	340	346	349	335
15	350	350	348	345	344	343	344	346	348	350	342	340	345	340	324	308	302	313	326	338	347	351	353	355	340
16	350	347	345	340	345	346	347	348	350	348	347	346	345	341	331	318	316	326	334	338	343	349	352	353	342
17	352	350	350	348	350	345	346	348	350	350	350	349	350	343	336	323	313	319	328	333	335	343	350	349	342
18 D	346	345	334	327	327	335	346	345	341	344	333	341	355	336	327	301	296	289	282	304	316	304	304	295	324
19 D	307	311	314	310	312	309	318	297	299	336	328	314	335	332	318	304	268	258	282	289	299	308	314	319	308
20 D	322	316	309	306	299	314	324	327	326	320	333	336	330	311	294	288	277	267	288	314	321	326	324	326	312
21	327	329	331	335	333	331	328	332	334	335	335	335	332	323	306	291	284	289	303	321	335	328	333	333	324
22	334	336	342	347	344	338	338	328	328	331	330	328	331	319	302	279	274	287	309	322	328	328	328	327	323
23 D	330	326	330	323	324	323	324	322	324	318	336	341	296	248	272	274	224	217	257	276	291	302	306	306	295
24 D	310	312	315	315	315	313	313	314	315	316	318	317	316	312	301	283	250	247	278	300	305	305	296	302	303
25	308	310	313	315	315	306	305	313	318	317	318	308	318	321	310	291	274	277	285	298	310	319	327	316	308
26	313	317	320	317	311	300	300	307	315	317	315	310	333	322	306	289	279	274	281	296	310	320	324	325	309
27 Q	323	321	330	326	330	330	331	330	330	331	330	332	334	333	320	308	298	303	311	316	323	329	335	337	325
28 Q	337	335	335	333	335	332	335	337	338	339	339	336	336	327	309	295	293	304	311	320	327	335	339	334	327
29	324	323	329	331	331	332	335	335	337	339	339	337	336	331	320	303	293	300	309	320	332	337	340	343	327
30	342	339	339	338	340	339	338	342	345	345	340	342	339	340	329	315	307	308	319	332	342	348	350	346	336
31	337	337	338	340	340	337	342	344	347	348	347	346	345	329	310	305	308	320	320	328	327	325	334	336	333
Mean	330	329	329	326	326	325	328	328	329	332	334	333	332	324	312	300	292	295	307	318	325	329	332	332	323

MAGNETIC DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 94. Agincourt. (D.) West. 7° + . . . ′ December, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	37.2	32.4	29.4	28.6	25.4	27.2	28.8	25.4	25.2	23.3	30.2	37.3	40.5	40.2	40.0	39.4	42.0	43.3	43.0	38.2	36.8	36.6	36.5	35.7	34.3
2	35.9	30.9	30.7	33.1	32.4	35.1	37.5	33.9	28.6	31.6	32.1	33.1	32.6	30.5	33.5	34.3	36.5	38.0	38.5	37.6	36.1	36.1	37.0	36.1	34.2
3	34.6	33.2	34.0	35.1	35.6	36.3	35.6	37.1	41.0	35.5	32.4	31.4	32.1	31.3	32.1	35.0	37.0	38.0	38.0	38.4	39.6	38.8	36.0	34.9	35.5
4 Q	34.1	33.6	33.7	34.4	35.0	35.7	36.9	38.1	37.0	37.1	36.0	33.1	32.6	31.2	32.6	34.6	36.6	37.7	38.1	37.3	37.1	35.8	35.2	34.9	35.3
5	34.1	33.7	33.4	33.4	34.0	34.1	34.1	34.1	34.6	34.1	34.0	33.8	33.4	32.8	30.9	32.2	34.2	35.1	36.1	38.1	38.7	38.0	37.2	35.9	34.6
6	34.7	33.6	33.2	28.3	27.6	31.7	33.0	34.0	34.0	33.1	31.7	35.8	35.9	31.0	31.6	32.6	34.3	36.8	38.6	40.2	39.8	38.6	39.4	36.8	34.4
7	34.1	34.0	34.1	29.0	32.6	33.7	34.5	33.6	35.0	34.7	34.0	32.7	31.6	30.6	29.4	35.4	36.8	42.1	46.2	44.1	42.3	39.2	37.5	35.8	35.5
8	34.0	30.5	33.1	34.0	33.5	34.6	35.1	36.4	35.5	35.4	34.6	35.5	32.1	30.6	35.6	37.7	38.0	38.0	40.2	41.1	40.3	38.4	37.2	35.6	35.7
9	34.2	34.0	33.3	32.1	33.5	35.5	35.5	35.0	34.0	34.0	34.0	33.5	33.3	30.9	31.6	34.3	37.0	38.3	39.8	41.0	40.1	37.7	38.0	36.8	35.3
10	36.1	32.1	31.7	33.1	35.5	34.1	35.6	35.3	33.6	35.3	34.6	34.1	32.1	32.0	34.5	33.1	36.6	38.1	38.7	39.4	39.1	38.3	36.1	34.8	35.2
11	35.2	33.0	34.2	34.0	34.4	36.2	35.0	33.0	34.0	34.2	32.9	36.9	38.3	31.2	30.0	32.6	35.6	37.2	37.7	38.1	38.0	36.5	36.1	36.5	35.0
12	34.0	34.6	34.1	34.7	35.9	35.8	35.1	34.6	34.0	33.8	34.1	33.4	33.1	31.5	30.9	33.2	35.2	37.0	38.1	37.4	37.3	36.5	35.8	35.0	34.8
13 Q	34.6	34.1	34.1	34.6	35.1	35.0	34.6	34.1	33.0	34.9	31.6	32.7	32.6	30.9	31.2	33.5	35.9	38.1	37.6	36.1	36.0	35.7	34.9	34.7	34.4
14 Q	34.6	34.5	34.3	34.5	34.8	34.7	34.9	34.0	34.0	33.7	34.0	33.7	32.6	29.9	28.5	31.8	35.9	38.1	38.8	39.2	38.7	36.9	35.8	34.9	34.7
15	34.8	34.0	33.9	34.7	34.4	34.7	34.9	35.0	34.9	34.8	34.1	35.9	35.0	32.8	32.0	34.1	36.1	37.7	37.0	36.9	36.7	35.7	34.8	33.9	34.9
16	33.8	34.0	33.9	34.9	34.6	35.0	34.7	34.3	34.0	33.7	33.5	33.1	33.0	31.6	30.0	33.8	35.8	36.5	35.6	35.8	36.6	35.7	34.8	34.5	34.3
17	34.9	34.6	34.5	34.1	34.0	34.7	34.7	34.7	34.0	33.5	33.1	31.9	31.8	31.5	31.7	33.1	37.6	39.6	38.8	38.1	38.3	37.1	35.6	35.0	34.9
18 D	35.1	34.1	34.2	31.9	34.2	34.6	36.7	35.0	28.5	29.5	35.2	43.0	39.1	39.0	39.0	38.5	41.0	41.1	46.5	46.9	43.2	43.0	38.5	35.8	37.7
19 D	32.6	31.9	34.5	36.1	37.0	36.5	37.5	41.9	33.1	35.6	38.6	39.5	34.9	34.9	33.8	35.7	38.1	44.7	43.1	40.8	40.0	39.2	37.5	35.9	37.2
20 D	33.9	32.8	32.8	32.7	32.8	32.5	33.7	35.0	36.2	40.1	35.6	33.0	31.7	31.0	31.7	34.0	37.7	40.1	40.0	40.3	39.1	37.6	36.1	34.8	35.2
21	34.8	34.0	32.8	34.1	35.5	36.1	36.0	35.8	35.1	34.6	34.1	33.5	33.0	30.1	29.1	32.9	36.5	40.1	43.0	40.6	38.1	36.2	35.6	35.4	35.3
22	35.1	34.0	32.2	34.1	35.2	36.1	36.2	60.0	34.1	31.6	33.6	33.0	35.1	30.6	32.6	35.4	41.2	45.1	45.1	42.5	39.1	36.5	36.0	35.2	37.1
23 D	31.0	30.6	33.9	32.6	35.1	35.5	36.4	38.2	36.0	37.6	33.0	42.1	42.4	53.4	36.1	35.2	41.1	45.6	46.4	44.0	39.1	37.3	36.5	35.5	38.1
24 D	35.0	35.2	35.4	35.9	36.1	36.3	36.2	37.5	37.0	35.7	35.1	34.5	34.0	32.1	31.1	30.6	38.5	41.5	40.6	41.5	40.1	39.5	41.5	37.1	36.6
25	35.0	35.0	35.3	35.5	35.2	38.0	39.1	37.1	36.3	36.9	37.4	42.2	41.4	32.6	30.4	32.5	36.3	39.6	40.7	39.6	39.0	37.4	37.2	35.6	36.9
26	36.0	34.9	34.3	34.1	35.2	32.5	34.1	32.0	35.6	36.6	40.9	45.6	45.1	45.4	33.3	34.4	35.1	38.1	39.9	39.6	39.1	37.9	37.0	36.1	36.8
27 Q	35.7	35.0	37.2	34.6	35.9	35.7	36.5	36.2	38.0	35.5	35.1	34.3	33.6	31.7	29.3	30.6	35.3	38.0	38.0	37.4	37.5	37.1	36.1	35.6	35.4
28 Q	35.1	35.3	35.3	35.5	35.4	36.0	35.7	35.3	35.1	34.6	34.4	34.3	34.0	31.2	30.5	33.3	37.9	40.3	40.2	38.6	37.6	36.5	35.6	35.3	35.5
29	36.1	35.2	34.6	35.1	36.0	38.4	36.0	35.6	35.2	35.0	34.4	34.4	34.1	32.3	31.2	33.0	36.4	39.3	40.5	39.0	38.0	36.3	35.8	35.1	35.7
30	35.0	33.9	34.1	34.2	34.5	35.0	34.7	34.2	34.9	34.0	35.6	36.0	31.7	30.1	32.4	34.6	37.5	39.4	40.2	39.1	37.0	35.7	35.4	34.6	35.2
31	34.5	34.6	34.3	34.5	34.6	34.9	35.5	34.6	34.5	34.3	34.1	34.1	32.0	30.3	32.5	34.7	37.8	40.0	40.3	39.2	37.3	36.1	35.5	35.1	35.2
Mean	34.7	33.7	33.8	33.7	34.2	34.9	35.3	35.8	34.4	34.3	34.3	35.4	34.7	32.7	32.1	34.1	37.1	39.4	40.2	39.5	38.6	37.4	36.5	35.5	35.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 95. Agincourt. (Z). 56,000 γ + December, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	616	631	613	598	587	573	565	540	519	526	538	539	553	561	564	575	581	588	582	591	589	604	607	614	578
2	614	615	614	611	604	546	560	546	570	599	596	597	597	596	596	601	607	615	617	615	614	611	613	614	599
3	613	613	612	611	609	607	607	607	600	599	604	604	604	607	600	600	603	608	607	607	610	610	610	609	607
4 Q	610	608	607	605	604	601	597	596	598	601	597	599	600	602	593	594	597	600	600	598	600	603	601	600	600
5	602	602	598	600	601	598	599	598	600	600	599	598	597	597	597	593	597	597	597	597	600	600	601	600	599
6	600	599	600	604	599	598	598	598	597	597	596	592	590	589	586	587	591	591	591	597	598	600	598	602	596
7	601	601	598	598	598	598	598	597	577	578	586	591	595	596	591	591	588	591	591	594	598	598	597	597	593
8	598	600	598	598	596	591	589	591	591	591	590	591	590	590	576	581	583	585	587	588	588	590	588	587	590
9	587	587	588	584	585	587	584	584	583	583	583	583	582	580	577	579	580	580	582	584	584	584	583	583	583
10	584	583	582	583	581	581	579	578	574	578	578	580	579	577	571	568	567	571	576	577	573	579	581	583	578
11	581	579	578	576	575	570	563	573	577	578	574	571	566	566	566	568	570	573	577	578	580	577	576	577	573
12	578	578	577	577	573	574	575	575	573	574	575	574	574	574	568	570	574	577	579	576	576	576	576	576	575
13 Q	577	576	576	575	576	576	575	574	573	570	568	570	572	574	571	574	576	578	579	577	576	577	577	577	575
14 Q	575	576	576	576	576	576	573	574	576	576	577	577	577	577	573	573	576	579	581	579	579	579	579	578	576
15	578	578	578	578	578	578	578	578	578	577	577	577	576	576	574	578	580	581	581	579	579	579	578	578	578
16	577	578	578	578	579	579	579	579	579	579	579	579	580	581	573	573	580	582	584	579	580	581	581	581	579
17	585	585	585	584	585	585	585	585	585	585	585	585	584	583	579	577	580	586	587	586	587	588	588	587	585
18 D	587	587	587	590	591	593	585	578	580	582	579	564	560	569	562	572	578	588	594	601	607	611	618	622	587
19 D	618	605	596	594	598	597	586	561	538	550	550	557	574	579	582	586	593	609	617	624	631	623	617	615	592
20 D	611	610	608	608	602	598	600	601	600	592	588	594	597	595	600	600	600	603	611	610	608	607	605	605	603
21	604	603	602	600	601	600	600	600	600	599	598	597	598	598	593	594	594	596	600	600	602	600	599	597	599
22	598	598	597	591	593	593	595	586	571	582	589	590	595	590	589	592	594	600	603	604	605	604	603	603	595
23 D	603	603	603	601	600	598	600	599	578	567	558	556	549	536	562	596	600	608	626	635	623	611	609	608	593
24 D	607	605	605	604	602	603	603	603	603	603	602	602	602	601	597	595	603	618	640	646	642	634	626	618	611
25	615	610	610	609	608	601	589	600	606	606	602	595	593	601	603	606	607	611	608	610	611	611	611	611	605
26	615	615	613	610	608	600	594	589	595	600	601	593	596	600	603	603	603	603	606	608	608	608	605	603	603
27 Q	604	604	601	604	604	603	601	601	601	599	601	601	601	602	599	596	595	598	600	600	601	601	601	601	601
28 Q	599	599	598	597	597	599	599	599	597	596	597	597	601	602	600	596	597	602	604	606	605	606	604	604	600
29	602	605	604	604	604	601	601	602	604	603	603	601	602	601	598	596	599	601	602	608	606	604	603	603	602
30	602	601	602	602	602	602	602	601	601	601	599	590	593	596	594	594	597	598	603	604	603	601	601	601	599
31	600	601	601	601	601	601	600	599	599	599	598	600	600	600	596	594	594	594	595	600	601	601	601	602	599
Mean	598	598	597	595	594	591	589	587	584	586	586	585	586	587	585	587	590	594	597	599	599	599	598	598	592

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 96. Agincourt — December, 1937.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0–2)
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	11	2	337	6	3	235	102	0	38	45.3	9	26	20.2	25.1	1	0	641	8	52	505	136	927	1
2	11	24	333	6	3	265	68	6	25	46.1	2	1	20.5	25.6	18	43	620	5	18	526	94	631	1
3	9	54	336	16	17	295	41	8	33	43.1	13	13	28.0	15.1	2	20	614	9	0	596	18	165	1
4 Q	10	59	343	16	28	299	44	9	46	38.8	13	27	30.5	8.3	0	44	610	14	52	591	19	176	0
5	4	13	343	18	31	316	27	19	54	39.3	14	29	30.1	9.2	4	10	602	16	4	593	9	93	0
6	0	54	343	16	23	292	51	20	4	40.8	4	26	23.9	16.9	3	30	605	14	41	583	22	204	1
7	20	0	343	17	35	280	63	18	53	48.0	3	39	26.0	22.0	20	7	604	8	43	561	43	340	1
8	22	39	343	15	8	277	66	19	9	41.5	1	12	26.4	15.1	1	10	603	14	24	575	28	260	1
9	22	7	346	16	18	292	54	19	43	41.9	13	47	28.3	13.9	2	56	591	14	23	576	15	167	1
10	22	15	342	16	16	292	50	19	57	40.6	1	50	28.1	12.5	22	50	584	16	15	563	21	196	1
11	2	3	350	6	1	290	60	6	3	46.2	14	23	27.1	19.1	1	0	583	6	27	555	28	247	1
12	4	33	346	16	39	304	42	19	56	38.1	14	30	29.6	8.5	18	51	581	4	51	569	12	134	0
13 Q	23	31	350	15	54	299	51	17	34	38.5	14	23	30.5	8.0	17	48	579	11	4	567	12	147	0
14 Q	6	23	351	16	16	294	57	20	4	39.9	14	28	27.2	12.7	18	30	581	7	0	569	12	156	0
15	23	12	356	16	30	298	58	17	47	37.8	14	17	31.0	6.8	18	34	584	14	35	572	12	157	0
16	0	1	356	16	7	312	44	17	4	36.7	14	32	29.7	7.0	22	30	585	14	47	571	14	145	0
17	22	54	355	16	5	308	47	17	48	40.1	14	56	30.0	10.1	21	12	589	15	33	575	14	153	0
18 D	11	53	372	19	53	272	100	18	55	51.1	8	13	27.4	23.7	23	23	625	12	6	558	67	533	1
19 D	12	58	347	17	14	241	106	7	47	51.1	8	17	27.2	23.9	20	2	642	8	13	521	121	848	1
20 D	11	14	343	17	51	245	98	17	35	42.2	5	27	26.9	15.3	18	22	617	9	57	586	31	326	1
21	3	8	340	16	50	279	61	18	17	43.5	14	10	28.5	15.0	20	6	605	15	50	593	12	168	0
22	3	11	353	15	51	270	83	17	56	46.0	3	1	28.1	17.9	21	0	607	8	14	563	44	378	1
23 D	11	11	356	17	19	196	160	13	21	63.1	10	9	25.6	37.5	19	35	642	13	5	521	121	927	1
24 D	10	44	320	17	10	235	85	22	13	43.6	15	20	29.5	14.1	19	3	656	15	23	595	61	476	1
25	22	19	334	16	42	271	63	12	6	43.4	14	0	30.1	13.3	0	1	616	6	10	587	29	261	1
26	12	43	345	17	21	272	73	11	57	53.1	7	28	28.8	24.3	1	2	616	7	16	583	33	293	1
27 Q	2	17	342	16	22	294	48	8	26	40.3	14	38	28.5	11.8	0	47	606	16	23	596	10	129	0
28 Q	9	37	342	15	43	290	52	18	4	41.1	13	57	30.2	10.9	19	57	608	16	54	595	13	154	0
29	23	42	344	16	53	291	53	18	27	40.6	14	23	31.3	9.3	20	0	607	15	30	596	11	144	0
30	22	2	351	16	48	301	50	18	5	40.5	13	28	29.1	11.4	20	20	604	11	27	588	16	170	1
31	9	12	350	15	38	300	50	16	47	44.3	13	31	28.4	15.9	23	59	606	17	7	594	12	145	1
Mean			346			281	65			43.4			28.0	15.4			607			572	35	299	0.61
No. days			31			31	31			31			31	31			31			31	31	31	31

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

HORIZONTAL FORCE (gammas) (All Days)

Table 97. Agincourt. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+8.9	+3.9	+5.3	+5.7	+6.3	+3.4	+3.3	+2.5	+3.8	+5.3	+6.0	+8.1	+4.1	-0.5	-9.3	-19.6	-24.0	-21.1	-13.3	-5.3	+0.1	+6.8	+10.1	+9.7
February	+7.5	+5.9	+5.2	+3.8	+5.9	+5.4	+1.5	+3.5	+4.5	+5.5	+5.8	+6.0	+3.9	-6.3	-14.7	-21.0	-21.9	-14.7	-6.0	+2.4	+4.2	+3.5	+4.2	+5.2
March	+10.8	+6.7	+5.0	+5.4	+5.1	+3.5	+0.9	+4.2	+6.5	+7.1	+8.8	+7.3	+3.5	-4.8	-17.2	-27.1	-30.7	-25.8	-15.0	-2.0	+8.2	+13.8	+13.4	+12.5
April	+13.0	+5.5	+3.3	+1.0	+2.2	+0.2	-0.3	-3.5	-4.7	-2.4	+1.5	+1.0	-2.8	-13.3	-22.4	-29.2	-28.4	-19.1	-3.2	+9.4	+22.2	+23.5	+26.2	+20.6
May	+9.2	+6.1	+3.9	+3.4	+2.6	+0.5	-1.5	+1.0	0.0	+1.7	+2.8	-0.1	-7.5	-18.3	-30.7	-31.4	-23.4	-12.7	+1.7	+13.9	+18.0	+25.3	+21.3	+13.8
June	+7.7	+6.6	+4.6	-3.4	-4.1	-4.2	-2.5	-5.1	-6.0	-7.2	-5.8	-5.1	-6.4	-14.6	-24.8	-25.7	-17.0	+3.6	+12.5	+20.5	+26.4	+23.4	+21.0	+13.6
July	+9.4	+6.9	+6.4	+4.0	+3.4	+1.4	+3.0	+2.5	-2.4	-3.9	-5.0	-5.5	-12.5	-18.7	-29.7	-33.0	-24.8	-11.8	+3.7	+18.2	+24.3	+24.8	+21.8	+17.3
August	+6.9	+4.9	+4.1	+5.2	+3.3	+3.1	+4.1	+4.9	+4.1	+2.9	+2.6	+1.0	-5.9	-17.1	-31.5	-33.9	-23.6	-9.7	+4.6	+16.6	+18.9	+15.3	+10.7	+9.0
September	+10.4	+10.0	+7.9	+7.0	+5.6	+4.7	+3.7	+5.8	+7.0	+8.1	+7.6	+5.1	-3.8	-18.0	-30.4	-36.1	-30.9	-18.8	-5.3	+8.1	+14.1	+14.4	+12.8	+11.2
October	+9.7	+9.0	+5.2	+4.5	+3.7	+2.3	+5.6	+8.1	+8.7	+8.1	+11.0	+9.9	+2.3	-8.0	-19.6	-27.3	-28.0	-22.6	-11.9	-3.4	+4.5	+8.5	+9.5	+9.7
November	+9.9	+8.6	+4.6	+4.4	+4.4	-0.9	-1.2	+0.2	+0.4	+8.5	+11.4	+11.4	+5.6	-4.2	-15.4	-22.8	-26.1	-21.0	-12.1	-1.7	+5.6	+8.1	+10.4	+11.6
December	+7.0	+6.7	+4.6	+3.8	+3.0	+2.9	+3.7	+3.0	+5.3	+7.7	+7.4	+8.2	+6.9	+3.4	-5.3	-15.9	-24.6	-22.6	-16.9	-9.3	-0.8	+5.8	+7.7	+8.3
Year	+9.2	+6.7	+5.0	+3.7	+3.5	+1.9	+1.7	+2.2	+2.3	+3.5	+4.4	+3.9	-1.1	-10.0	-20.9	-26.9	-25.3	-16.3	-5.1	+5.6	+12.1	+14.4	+14.1	+11.9
Winter	+8.3	+6.3	+4.9	+4.4	+4.9	+2.7	+1.8	+2.3	+3.5	+6.8	+7.6	+8.4	+5.1	-1.9	-11.2	-19.8	-24.2	-19.8	-12.1	-3.5	+2.3	+6.0	+8.1	+8.7
Equinox	+11.0	+7.8	+5.4	+4.5	+4.2	+2.7	+2.5	+3.6	+4.4	+5.2	+7.2	+5.8	-0.2	-11.0	-22.4	-29.9	-29.5	-21.6	-8.8	+3.0	+12.2	+15.0	+15.5	+13.5
Summer	+8.3	+6.1	+4.8	+2.3	+1.3	+0.2	+0.8	+0.8	-1.1	-1.6	-1.4	-2.4	-8.1	-17.2	-29.2	-31.0	-22.2	-7.6	+5.6	+17.3	+21.9	+22.2	+18.7	+13.4

DECLINATION (minutes) (All Days)

Table 98. Agincourt. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-0.19	+1.08	+1.77	+1.79	+1.14	+1.27	+0.92	+0.93	+0.95	+1.90	+1.10	+1.08	+1.72	+3.39	+2.72	+0.63	-1.43	-3.30	-4.36	-4.24	-3.80	-2.71	-1.67	-0.79
February	-0.25	+1.39	+1.36	+1.75	+2.16	+0.83	+0.57	+1.08	+1.61	+2.61	+2.21	+1.74	+2.96	+3.31	+2.08	-0.26	-3.19	-4.75	-5.08	-4.01	-3.36	-2.09	-1.76	-0.99
March	-0.95	+0.35	+1.24	+1.86	+1.21	+1.56	+1.47	+1.21	+1.77	+2.37	+2.47	+2.99	+4.27	+5.51	+5.21	+2.03	-2.18	-5.51	-6.98	-6.71	-5.55	-3.72	-2.43	-1.49
April	-0.59	+0.63	+1.18	+0.89	+1.43	-0.42	+1.20	+2.03	+2.26	+2.70	+3.14	+4.74	+5.32	+5.19	+3.45	+0.18	-30.5	-6.38	-7.12	-6.83	-5.58	-3.96	-2.05	+0.30
May	-0.02	+0.25	+0.68	+0.37	+0.45	+0.87	+0.57	+0.66	+0.79	+1.27	+3.96	+6.30	+6.84	+6.11	+3.37	-0.33	-35.4	-6.06	-7.18	-6.51	-4.82	-2.59	-1.18	-0.24
June	-0.52	-0.40	-0.11	+0.52	+1.25	-0.39	+0.34	-0.86	+0.51	+1.96	+4.67	+6.05	+7.05	+6.27	+3.88	+0.61	-2.48	-4.93	-5.83	-5.77	-4.93	-3.80	-2.32	-0.86
July	+0.47	+0.38	+0.92	+0.62	+0.73	+1.00	+0.48	-0.04	-0.14	+0.37	+3.22	+5.48	+6.53	+7.15	+5.11	+0.95	-2.63	-5.57	-6.62	-6.37	-5.84	-3.88	-1.98	-0.36
August	0.00	+0.31	+0.13	+0.40	+0.66	+0.91	+0.51	+0.86	+1.43	+2.47	+3.90	+6.07	+7.37	+7.08	+3.69	-0.96	-4.86	-7.03	-7.97	-6.89	-4.76	-2.42	-0.88	+0.06
September	-0.44	-0.22	-0.09	+0.12	+0.49	+1.23	+1.00	+1.67	+2.69	+2.73	+3.58	+5.00	+6.18	+5.93	+2.64	-0.78	-4.90	-7.36	-7.67	-5.93	-3.43	-1.31	-0.53	-0.56
October	-0.48	+0.42	+1.13	+1.13	+1.17	+1.11	+1.25	+1.80	+2.42	+2.12	+2.54	+2.29	+3.84	+4.35	+2.89	+0.02	-3.28	-5.39	-6.00	-5.02	-3.55	-2.22	-1.54	-1.11
November	+0.53	+1.18	+1.95	+1.56	+0.68	+0.03	+0.48	-1.15	+1.47	+1.57	+2.27	+2.39	+2.80	+3.37	+2.84	+0.45	-1.87	-3.79	-4.99	-4.55	-3.43	-2.16	-1.27	-0.51
December	0.00	+0.90	+1.04	+1.26	+1.29	+1.33	+0.37	+0.05	+0.46	+0.71	+0.59	+1.17	+1.63	+2.77	+2.84	+2.22	-0.33	-2.66	-3.85	-3.94	-3.34	-2.39	-1.38	-0.67
Year	-0.11	+0.53	+0.93	+1.02	+1.06	+0.78	+0.76	+0.69	+1.35	+1.90	+2.80	+3.78	+4.71	+5.03	+3.39	+0.40	-2.81	-5.23	-6.14	-5.56	-4.37	-2.77	-1.58	-0.60
Winter	+0.02	+1.14	+1.53	+1.59	+1.32	+0.86	+0.58	+0.23	+1.12	+1.70	+1.54	+1.60	+2.28	+3.21	+2.62	+0.76	-1.70	-3.62	-4.57	-4.18	-3.48	-2.34	-1.52	-0.74
Equinox	-0.32	+0.30	+0.86	+1.00	+1.08	+0.87	+1.23	+1.68	+2.28	+2.48	+2.93	+3.76	+4.90	+5.24	+3.55	+0.36	-3.35	-6.16	-6.94	-6.12	-4.53	-2.80	-1.64	-0.72
Summer	-0.02	+0.14	+0.40	+0.48	+0.77	+0.60	+0.48	+0.16	+0.65	+1.52	+3.94	+5.98	+6.95	+6.65	+4.01	+0.07	-3.38	-5.90	-6.90	-6.38	-5.09	-3.17	-1.59	-0.35

VERTICAL FORCE (gammas) (All Days)

Table 99. Agincourt. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+7.2	+6.3	+4.8	+3.1	+1.7	0.0	-1.5	-2.8	-4.6	-3.5	-4.6	-5.5	-3.5	-2.6	-6.8	-8.0	-4.8	-2.4	+0.2	+2.5	+4.0	+6.5	+6.9	+6.4
February	+8.0	+8.5	+6.9	+5.2	+1.9	-1.4	-3.3	-2.7	-4.9	-5.6	-5.5	-6.7	-4.9	-4.2	-7.4	-8.1	-6.5	-3.2	+1.3	+5.1	+6.9	+7.3	+6.7	+7.1
March	+14.8	+12.2	+3.5	+4.2	+0.9	-3.9	-9.8	-8.9	-8.8	-8.6	-7.4	-4.8	-2.6	-2.4	-3.9	-6.3	-6.6	-4.7	-0.7	+4.1	+7.8	+10.1	+10.3	+11.7
April	+24.6	+19.4	+15.0	+2.8	-4.5	-23.1	-23.2	-25.9	-27.1	-19.2	-11.8	-9.6	-9.6	-9.7	-8.6	-7.6	-6.8	-1.2	+6.1	+15.5	+21.9	+27.0	+28.0	+27.9
May	+14.0	+10.2	+6.7	+1.3	-3.4	-9.1	-13.4	-14.8	-14.3	-8.9	-5.6	-3.4	-5.2	-5.5	-6.1	-5.7	-5.9	-4.1	+1.0	+8.0	+12.0	+17.5	+18.2	+16.0
June	+17.1	+13.4	+9.4	-0.1	-6.2	-16.4	-15.4	-25.3	-20.3	-18.2	-12.9	-3.6	+1.2	+0.2	+1.3	+1.9	+1.7	-0.4	+1.2	+7.3	+13.0	+14.8	+17.8	+18.8
July	+11.5	+6.3	+6.3	+0.5	-2.6	-2.6	-2.7	-5.3	-6.0	-10.1	-12.2	-10.8	-8.9	-6.9	-3.1	-2.9	-2.8	-1.4	+1.8	+7.3	+10.8	+11.9	+12.0	+11.7
August	+4.2	+3.4	+3.3	+0.1	-1.0	-1.7	-3.1	-3.2	-2.1	-0.1	+0.6	+0.4	+0.1	-1.4	-2.7	-4.6	-5.6	-5.7	-2.8	+0.9	+4.4	+6.5	+6.2	+4.5
September	+3.7	+3.2	+3.2	+2.3	+1.4	-0.8	-3.2	-2.1	-4.1	-4.8	-3.9	-3.2	-4.0	-4.7	-4.5	-4.2	-2.4	-0.1	+2.8	+5.4	+7.1	+5.4	+4.5	+3.7
October	+10.4	+5.7	+3.1	+3.0	-0.3	-7.4	-6.5	-6.3	-9.1	-14.1	-10.6	-7.3	-4.0	-3.0	-3.8	-4.4	-2.4	+0.4	+5.1	+9.3	+9.4	+10.0	+11.7	+11.3
November	+6.5	+7.3	+5.0	+1.1	-3.8	-5.7	-8.7	-8.7	-8.4	-7.8	-4.8	-3.4	-2.0	-2.1	-3.4	-4.8	-2.9	+0.4	+4.8	+7.8	+8.7	+9.1	+8.6	+8.0
December	+5.6	+3.6	+3.7	+2.6	-1.2	-4.4	-4.1	-5.7	-5.7	-5.4	-6.1	-5.4	-2.3	-0.8	-1.2	-2.4	-1.1	+1.1	+4.1	+5.7	+6.3	+5.5	+4.5	+4.2
Year	+10.6	+8.3	+5.9	+2.2	-1.4	-6.4	-7.9	-9.3	-9.6	-8.9	-7.0	-5.3	-3.8	-3.6	-4.2	-4.7	-3.9	-1.8	+2.1	+6.6	+7.4	+11.0	+11.3	+10.9
Winter	+6.8	+6.4	+5.1	+3.0	-0.4	-2.9	-4.4	-5.0	-5.9	-5.6	-5.2	-5.2	-3.2	-2.4	-4.7	-5.8	-3.8	-1.0	+2.6	+5.3	+6.5	+7.1	+6.7	+6.4
Equinox	+13.4	+10.1	+6.2	+3.1	-0.6	-8.8	-10.7	-10.8	-12.3	-11.7	-8.4	-6.2	-5.0	-5.0	-5.2	-5.6	-4.6	-1.4	+3.3	+8.6	+11.6	+13.1	+13.6	+13.6
Summer	+11.7	+8.3	+6.4	+0.4	-3.3	-7.4	-8.6	-12.2	-10.7	-9.3	-7.5	-4.4	-3.2	-3.4	-2.6	-2.8	-3.4	-2.9	+0.3	+5.9	+10.0	+12.7	+13.6	+12.8

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

HORIZONTAL FORCE (gammas) (Quiet Days)

Table 100. Agincourt. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+8.8	+9.8	+10.0	+8.0	+8.7	+6.9	+7.2	+7.8	+8.6	+8.4	+6.6	+6.8	+4.9	+1.3	-9.0	-24.3	-35.2	-30.2	-24.6	-9.7	+0.5	+9.1	+11.0	+8.8
February	+5.6	+7.0	+6.4	+5.6	+3.9	+3.9	+2.5	+3.6	+3.9	+5.6	+5.8	+5.1	+3.4	-4.6	-12.6	-20.1	-24.0	-18.7	-9.8	0.0	+3.7	+8.7	+9.5	+6.5
March	+11.0	+8.3	+7.0	+7.8	+6.7	+6.8	+6.6	+7.9	+9.1	+9.4	+9.6	+9.6	+5.3	-5.7	-19.0	-27.2	-30.6	-26.0	-18.6	-6.1	+3.2	+7.5	+8.1	+9.3
April	+7.7	+7.1	+5.1	+6.1	+5.2	+7.8	+7.7	+7.1	+7.4	+5.1	+3.4	+4.0	+0.2	-11.6	-21.1	-27.5	-22.7	-12.9	-5.5	+0.2	+4.9	+6.1	+7.7	+8.3
May	+4.5	+4.3	+3.5	+2.1	+2.0	+2.2	+2.5	+3.0	+3.4	+3.9	+4.2	+2.3	-0.4	-9.2	-20.0	-23.4	-10.3	-3.1	-0.4	+5.6	+9.0	+8.8	+6.7	+4.9
June	+6.1	+5.6	+4.9	+3.1	+3.3	+3.1	+2.6	+3.4	+0.6	+0.5	+0.3	+1.1	-5.1	-12.9	-23.4	-27.1	-19.1	-3.2	+11.8	+13.2	+11.7	+8.1	+5.8	+6.0
July	+6.1	+3.1	+3.7	+4.2	+2.6	+5.4	+5.1	+4.0	+2.3	+3.3	+3.1	-0.3	-2.5	-11.2	-22.1	-30.8	-28.0	-13.0	-0.1	+10.8	+15.5	+16.8	+12.5	+10.1
August	+8.0	+7.1	+5.9	+6.4	+6.4	+5.2	+5.3	+5.4	+5.7	+3.4	+4.6	+3.0	-4.9	-17.0	-32.4	-34.3	-23.3	-8.9	+2.1	+11.1	+11.3	+11.5	+9.1	+9.2
September	+10.5	+12.1	+12.1	+10.8	+10.3	+11.1	+11.8	+11.4	+10.8	+9.7	+8.7	+3.2	-7.4	-20.7	-34.5	-40.1	-35.8	-23.0	-8.6	+4.0	+10.9	+11.7	+9.9	+11.5
October	+9.1	+8.1	+6.9	+6.2	+7.4	+7.1	+7.4	+8.4	+8.9	+9.0	+9.1	+6.1	-1.2	-11.6	-20.3	-27.5	-28.3	-21.7	-13.1	-4.8	+6.6	+10.7	+7.5	+9.4
November	+9.3	+6.7	+4.3	+2.6	+2.3	+4.2	+5.0	+6.8	+7.7	+8.5	+8.4	+8.4	+4.7	-2.9	-12.2	-21.3	-24.3	-23.9	-15.2	-5.5	+1.3	+6.3	+10.1	+9.6
December	+7.0	+7.4	+5.7	+4.2	+3.5	+2.9	+4.7	+6.2	+6.8	+7.1	+6.5	+6.1	+4.7	+0.2	-6.9	-13.9	-21.4	-21.4	-16.3	-10.1	-2.2	+3.9	+7.3	+7.5
Year	+7.8	+7.2	+6.3	+5.6	+5.2	+5.6	+5.7	+6.3	+6.3	+6.2	+5.8	+4.6	+0.1	-8.8	-19.5	-26.5	-25.3	-17.7	-8.2	+0.7	+6.4	+9.1	+8.8	+8.4
Winter	+7.7	+7.7	+6.6	+5.1	+4.6	+4.5	+4.8	+6.1	+6.8	+7.4	+6.8	+6.6	+4.2	-1.5	-10.2	-19.9	-26.2	-23.6	-16.5	-6.3	+0.8	+7.0	+9.5	+8.1
Equinox	+9.6	+8.9	+7.8	+7.7	+7.4	+8.2	+8.4	+8.7	+9.0	+8.3	+7.7	+5.7	-0.8	-12.4	-23.7	-30.6	-29.4	-20.9	-11.4	-1.7	+6.4	+9.0	+8.3	+9.6
Summer	+6.2	+5.0	+4.5	+4.0	+3.6	+4.0	+3.9	+4.0	+3.0	+2.8	+3.0	+1.5	-3.2	-12.6	-24.5	-28.9	-20.2	-8.6	+3.4	+10.2	+11.9	+11.3	+8.5	+7.6

DECLINATION (minutes) (Quiet Days)

Table 101. Agincourt. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+0.21	+0.68	+1.17	+1.02	+0.76	+0.59	+0.36	+0.15	+0.29	-0.06	+0.65	+0.86	+1.70	+3.85	+4.50	+2.53	-0.19	-2.94	-4.39	-4.04	-3.52	-2.13	-1.24	-0.79
February	-0.32	+0.68	+0.61	+0.51	+0.98	+0.68	+0.38	-0.47	+0.83	+1.58	+2.06	+2.17	+2.89	+3.26	+2.42	+0.55	-1.83	-3.72	-4.30	-3.52	-2.29	-1.15	-1.12	-0.84
March	-0.21	+0.40	+0.50	+0.63	+0.90	+1.21	+1.64	+1.24	+1.41	+1.78	+2.07	+2.53	+4.01	+5.10	+4.89	+2.10	-2.48	-5.93	-6.90	-6.31	-4.32	-2.18	-1.25	-0.93
April	-0.28	-0.27	+0.14	+0.59	+0.72	+0.29	+1.08	+1.93	+2.38	+2.27	+2.28	+4.67	+6.93	+6.32	+3.97	-0.20	-3.71	-6.16	-7.29	-6.66	-4.71	-2.80	-1.19	-0.24
May	-0.40	-0.68	-0.41	-0.30	+0.06	+0.71	+0.80	+0.80	+1.00	+1.35	+3.61	+5.88	+7.10	+6.35	+4.61	+1.18	-2.42	-5.18	-6.59	-6.12	-5.14	-3.47	-1.92	-0.82
June	+0.37	+0.52	-0.01	-0.04	+0.31	+0.96	+0.98	+1.05	+0.18	+1.85	+4.06	+6.03	+6.91	+6.24	+3.95	+0.30	-4.35	-6.24	-5.96	-5.51	-5.36	-3.97	-2.02	-0.19
July	+0.56	+0.26	+0.19	-0.13	+0.33	-0.46	-0.72	-0.14	-0.13	+1.39	+4.11	+6.02	+7.66	+7.75	+5.09	+1.03	-2.82	-5.22	-6.24	-7.01	-6.03	-3.79	-1.74	-0.02
August	+0.23	-0.17	-0.36	-0.36	+0.01	+0.11	+0.55	+0.84	+1.46	+1.97	+2.99	+5.68	+7.08	+6.59	+3.17	-1.16	-4.64	-6.01	-6.51	-5.55	-3.20	-2.06	-0.75	+0.11
September	-0.85	-0.53	-0.26	-0.16	+0.28	+0.44	+0.81	+1.27	+1.59	+1.92	+2.74	+5.24	+6.74	+6.72	+4.20	+0.49	-4.01	-6.91	+7.44	-5.92	-3.40	-1.44	-0.67	-0.91
October	-0.90	-0.49	-0.45	-0.34	-0.07	-0.33	+0.08	+0.78	+1.33	+1.22	+1.32	+2.35	+3.57	+4.88	+4.12	+1.57	-0.70	-3.20	-3.83	-3.37	-2.70	-2.21	-1.57	-1.18
November	+0.22	+0.43	+0.52	+0.55	+0.42	-0.33	-0.30	-0.31	0.00	+0.71	+1.16	+1.17	+1.97	+2.86	+3.35	+1.92	-0.41	-2.30	-3.31	-3.16	-2.37	-1.78	-0.81	-0.18
December	-0.15	+0.59	+0.83	+1.03	+1.15	+0.76	+0.54	+0.18	+0.44	+0.66	+0.95	+1.35	+1.65	+2.45	+2.92	+1.98	-0.44	-3.18	-4.02	-3.33	-2.73	-2.09	-1.05	-0.61
Year	-0.13	+0.12	+0.20	+0.25	+0.49	+0.38	+0.51	+0.61	+0.90	+1.39	+2.33	+3.66	+4.85	+5.20	+3.93	+1.02	-2.33	-4.75	-5.56	-5.04	-3.81	-2.42	-1.28	-0.55
Winter	-0.01	+0.60	+0.78	+0.78	+0.83	+0.42	+0.24	-0.11	+0.39	+0.72	+1.20	+1.39	+2.05	+3.10	+3.30	+1.74	-0.72	-3.04	-4.00	-3.51	-2.73	-1.79	-1.06	-0.60
Equinox	-0.56	-0.22	-0.02	+0.18	+0.46	+0.40	+0.90	+1.30	+1.68	+1.80	+2.10	+3.70	+5.31	+5.76	+4.30	+0.99	-2.72	-5.55	-6.36	-5.56	-3.78	-2.16	-1.17	-0.82
Summer	+0.19	-0.02	-0.15	-0.21	+0.18	+0.33	+0.40	+0.64	+0.63	+1.64	+3.69	+5.90	+7.19	+6.73	+4.20	+0.34	-3.56	-5.66	-6.32	-6.05	-4.93	-3.32	-1.61	-0.22

VERTICAL FORCE (gammas) (Quiet Days)

Table 102. Agincourt. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+1.2	+1.1	+0.6	+0.4	+0.4	+0.3	0.0	0.0	-0.4	-0.7	-0.7	-1.2	-1.2	-1.4	-4.5	-6.2	-2.1	-0.5	+1.8	+3.9	+4.4	+3.0	+1.6	+0.8
February	+2.8	+1.3	+1.4	+0.9	+0.5	-2.1	-1.2	-1.3	-0.3	-0.6	-0.1	-0.4	+1.3	+1.0	-4.0	-3.1	-3.2	-2.1	+0.3	+1.8	+1.6	+1.1	+1.8	+2.1
March	+0.9	-0.4	-0.5	-0.8	-0.6	-0.7	-1.2	+0.6	-0.3	-0.7	-0.7	-0.2	+1.8	+2.3	-1.4	-3.4	-4.5	-2.0	-0.2	+2.3	+3.5	+3.0	+1.4	+1.5
April	+2.4	+3.4	+1.0	+1.1	-3.3	-2.5	-4.0	-3.4	-3.6	-3.6	-1.5	-0.4	+0.2	-0.6	-3.4	-3.8	-2.8	-0.1	+0.4	+3.3	+6.4	+6.1	+4.6	+4.0
May	+3.9	+3.6	+3.0	+2.2	+0.4	+0.9	+0.4	0.0	+1.7	+1.4	+2.0	+2.1	+1.6	+1.3	-0.7	-2.3	-3.4	-6.7	-8.2	-5.6	-3.3	-0.7	+2.2	+3.4
June	+4.6	+3.4	+2.8	+2.2	+2.0	+0.8	+1.1	+0.2	-1.5	-0.6	+2.0	+2.9	+3.0	+0.6	-0.8	-4.3	-5.8	-8.3	-7.4	-3.8	+0.1	+0.6	+2.9	+4.1
July	+3.0	+1.3	+1.2	+0.2	+0.9	-1.0	-2.9	+0.5	+0.8	+1.1	+1.8	+0.6	-0.2	-2.0	+0.1	-1.7	-4.1	-4.8	-3.9	-1.2	+1.4	+3.4	+3.2	+3.5
August	+2.2	+1.3	+2.7	+1.6	+0.1	-0.9	-0.9	+0.4	-0.8	-0.1	+1.0	+1.3	+1.6	+0.6	-0.2	-2.5	-4.6	-5.7	-3.0	-0.8	+0.9	+2.9	+3.1	+2.1
September	+0.8	-0.1	-0.7	-0.6	-1.3	-2.3	-1.4	-1.7	-1.8	-2.6	-1.3	-1.0	+1.2	+1.1	+2.4	+0.2	-0.9	-1.0	+0.3	+2.7	+3.4	+2.5	+1.9	+0.2
October	+0.7	+0.2	+0.1	+0.7	+1.2	+1.4	+0.5	+0.4	-0.4	-0.9	-0.7	+0.4	+1.3	+3.0	-0.4	-3.5	-5.2	-5.1	-1.2	+1.5	+2.0	+1.4	+1.7	+1.3
November	+0.9	+1.1	-0.8	-0.2	-0.1	-1.1	-1.2	-1.6	-1.7	-2.6	-3.7	-3.2	-1.9	-1.7	-1.3	-2.6	-1.5	-1.0	+2.4	+5.8	+5.7	+5.2	+3.2	+1.6
December	+1.7	+0.4	+1.1	+0.5	+0.2	+0.1	-0.1	-0.2	-0.3	-0.8	-0.8	-0.8	-0.5	-0.3	-1.4	-3.6	-4.7	-3.0	+0.9	+2.1	+3.0	+3.0	+2.7	+1.3
Year	+2.1	+1.4	+1.0	+0.7	0.0	-0.6	-0.9	-0.5	-0.7	-0.9	-0.2	0.0	+0.7	+0.3	-1.3	-3.1	-3.7	-3.3	-1.5	+1.0	+2.4	+2.5	+2.5	+2.2
Winter	+1.6	+1.0	+0.6	+0.4	+0.2	-0.7	-0.6	-0.8	-0.7	-1.2	-1.3	-1.4	-0.6	-0.6	-2.8	-3.9	-2.9	-1.6	+1.4	+3.4	+3.7	+3.1	+2.3	+1.4
Equinox	+1.2	+0.8	0.0	+0.1	-1.0	-1.0	-1.5	-1.0	-1.5	-2.0	-1.0	-0.3	+1.1	+1.4	-0.7	-2.6	-3.6	-2.0	-0.2	+2.4	+3.8	+3.2	+2.4	+1.8
Summer	+3.4	+2.4	+2.4	+1.6	+0.8	0.0	-0.6	+0.3	0.0	+0.4	+1.7	+1.7	+1.5	+0.1	-0.4	-2.7	-4.5	-6.4	-5.6	-2.8	-0.2	+1.3	+2.8	+3.3

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

HORIZONTAL FORCE (gammas) (Disturbed Days)

Table 103. Agincourt. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+13.2	-0.4	+3.2	+3.1	+7.0	-1.5	-5.7	-7.6	-3.4	-1.5	+0.2	+8.3	+3.1	+1.3	-4.1	-14.5	-16.3	-17.8	-14.7	-4.5	+5.2	+14.0	+15.5	+17.9
February	+10.2	+6.5	+8.4	+5.4	+10.4	+3.7	-4.3	-2.3	+3.3	+4.3	+3.1	-2.4	+5.4	-5.7	-19.0	-22.5	-21.1	-13.0	-3.8	+12.1	+11.8	+1.3	+2.5	+5.6
March	+9.2	+10.4	+5.4	+3.9	+2.4	-7.1	-20.7	-6.8	+3.8	+0.5	+6.7	+2.7	+2.2	-7.9	-14.4	-21.0	-32.3	-28.1	-13.0	+8.8	+19.3	+29.4	+26.0	+20.3
April	+42.2	+10.2	-7.2	-21.7	-11.9	-18.9	-28.8	-31.7	-36.7	-25.1	-10.4	-12.5	-23.4	-28.7	-27.8	-26.5	-29.7	-23.7	+6.4	+31.9	+60.0	+65.5	+83.9	+64.8
May	+11.2	+2.2	-2.6	-1.6	-3.6	-5.8	-16.9	-6.2	-13.5	-6.4	-4.9	-9.0	-21.5	-24.0	-31.2	-29.8	-14.9	-7.3	+13.1	+22.1	+30.9	+56.0	+42.9	+20.8
June	+27.2	+31.0	+32.6	-10.6	-23.7	-32.8	-48.7	-69.6	-64.4	-36.1	-24.2	-21.6	-10.8	-18.0	-22.4	-17.2	+6.3	+18.0	+36.2	+49.6	+65.5	+46.6	+50.9	+36.6
July	+16.6	+9.8	+9.3	+5.4	+9.6	+3.9	+3.4	+1.7	-20.5	-14.2	-16.5	-27.9	-50.8	-35.3	-49.1	-48.3	-26.3	-14.9	+11.6	+41.3	+52.1	+53.4	+53.2	+32.3
August	+6.6	+1.1	+1.6	-0.5	-5.4	-3.7	-3.5	+2.1	+0.2	-1.2	-2.9	-7.6	-13.9	-20.7	-32.3	-29.0	-14.7	-0.5	+8.7	+35.1	+32.0	+21.8	+14.8	+13.8
September	+10.4	+12.2	+9.0	+7.4	+2.3	-4.9	-13.5	-5.3	0.0	+9.4	+11.4	+11.0	+1.7	-14.9	-23.9	-32.8	-29.2	-14.0	+0.2	+12.9	+12.9	+12.4	+12.7	+12.8
October	+17.3	+16.7	+3.3	+2.5	-3.4	-15.1	-8.1	0.0	+0.4	-9.8	+11.2	+14.4	+8.8	+2.8	-6.4	-18.3	-29.0	-30.2	-11.1	-1.6	+7.2	+14.3	+18.8	+15.6
November	+21.6	+23.3	+9.6	+5.9	-5.5	-38.3	-33.6	-80.8	-38.5	+2.7	+15.4	+17.4	+14.6	+6.0	-1.0	-4.1	-8.9	-5.4	-1.2	+10.4	+26.2	+18.7	+22.1	+24.1
December	+8.2	+5.5	+1.4	-0.4	-3.5	-4.6	-4.8	-9.6	-0.5	+7.6	-1.0	+3.6	+6.0	+7.2	+6.2	-12.8	-20.7	-15.4	-10.4	-3.6	+6.4	+11.3	+10.7	+12.9
Year	+16.2	+10.7	+6.1	-0.1	-2.1	-10.4	-15.4	-18.0	-14.2	-5.8	-1.0	-1.3	-6.5	-11.5	-19.0	-23.1	-19.7	-12.7	+1.8	+17.9	+27.4	+28.7	+29.5	+23.0
Winter	+13.3	+8.7	+5.6	+3.5	+2.1	-10.2	-12.1	-25.1	-9.8	+3.3	+4.4	+8.7	+7.3	+2.2	-5.0	-13.5	-16.8	-12.9	-7.5	+3.6	+12.4	+11.3	+12.7	+15.1
Equinox	+19.8	+12.4	+2.6	-2.0	-2.6	-11.5	-17.8	-11.0	-8.1	-6.2	+4.7	+3.9	-2.7	-12.2	-18.1	-24.6	-30.0	-24.0	-4.4	+13.0	+24.8	+30.4	+35.4	+27.9
Summer	+15.4	+11.0	+10.2	-1.8	-5.8	-9.6	-16.4	-18.0	-24.6	-14.5	-12.1	-16.5	-24.2	-24.5	-33.8	-31.1	-12.4	-1.2	+17.4	+37.0	+45.1	+44.4	+40.4	+25.9

DECLINATION (minutes) (Disturbed Days)

Table 104. Agincourt. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-1.24	+0.93	+1.54	+3.04	+1.85	+2.58	+1.70	+3.67	+4.00	+4.72	+1.37	+3.10	+2.18	+2.47	-0.38	-1.78	-2.17	-3.04	-5.46	-5.23	-4.62	-4.66	-2.65	-1.88
February	+0.60	+3.16	+2.33	+2.99	+2.94	+0.64	+0.37	+2.92	+2.14	+5.71	+4.47	-2.64	+1.92	+3.11	+0.21	-40.4	-4.42	-5.35	-5.20	-2.46	-3.57	-2.53	-2.28	-1.10
March	+0.41	+0.53	+1.60	+3.75	+1.94	+0.78	-0.79	+1.36	+2.16	+2.99	+1.18	+2.45	+4.59	+4.58	+4.15	+2.44	-0.76	-5.15	-6.52	-6.44	-6.53	-4.66	-1.73	-2.33
April	+2.80	+2.26	+4.62	+5.27	+3.33	-9.81	-1.61	+0.46	+2.68	+1.36	+1.92	+4.81	+3.05	+1.23	+1.94	+0.56	-1.28	-5.93	-6.63	-6.59	-4.69	-3.92	-0.72	+4.84
May	+0.49	+0.84	+1.19	+1.14	-0.17	+2.26	+0.21	-1.16	+2.93	+0.70	+3.93	+6.76	+7.34	+6.57	+1.94	-2.15	-4.34	-6.97	-6.96	-6.07	-4.48	-2.41	-1.22	-0.27
June	-1.72	-2.37	-0.69	+1.06	+5.86	-9.39	+0.79	-3.36	+0.44	+3.99	+7.63	+6.10	+7.76	+5.67	+2.39	-0.38	-0.74	-3.05	-4.37	-3.82	-3.26	-4.31	-3.03	-1.22
July	+2.04	+1.40	+2.37	-0.55	+0.33	+1.48	+2.08	+0.52	-1.89	-0.13	+2.25	+1.18	+0.60	+4.33	+5.67	+1.65	-2.26	-5.26	-5.32	-4.63	-3.61	-2.93	-0.30	+1.00
August	-1.35	-1.22	-0.35	+3.52	+1.67	+1.04	+0.11	-0.30	+0.71	+2.12	+4.09	+5.60	+6.96	+7.65	+4.12	+0.17	-3.00	-5.79	-8.22	-7.15	-5.40	-2.43	-1.52	-1.03
September	-0.60	-0.30	+0.10	+0.60	+1.54	+3.02	+0.64	+4.22	+5.68	+4.80	+4.12	+3.74	+4.52	+3.10	-0.76	-3.14	-6.22	-7.72	-7.42	-5.12	-2.54	-0.74	-0.78	-0.80
October	+0.07	+3.55	+5.39	+4.19	+2.59	+2.05	+2.43	+5.57	+7.85	+1.73	+3.42	-0.83	+2.27	+0.38	-0.57	-1.63	-5.01	-7.95	-8.99	-7.03	-4.89	-2.79	-1.05	-0.63
November	+0.77	+2.39	+0.64	+2.48	+2.79	+0.95	+1.56	-6.35	+6.83	+4.68	+4.18	+3.63	+2.67	+2.20	-1.06	-2.11	-2.69	-4.12	-5.03	-5.45	-4.02	-3.02	-1.37	-0.51
December	-0.39	+1.16	+1.38	+2.55	+4.14	+1.86	+1.45	+1.51	+2.66	+1.01	-2.51	-1.28	+0.22	+1.73	+0.91	+2.20	+0.19	-1.85	-3.26	-3.50	-3.73	-3.30	-1.94	-1.23
Year	+0.16	+1.03	+1.68	+2.50	+2.40	-0.21	+0.83	+0.75	+3.02	+2.81	+3.01	+2.72	+3.67	+3.59	+1.55	-0.68	-2.72	-5.18	-6.12	-5.29	-4.28	-3.14	-1.55	-0.43
Winter	-0.06	+1.91	+1.47	+2.76	+2.93	+1.51	+1.27	+0.44	+3.91	+4.03	+1.88	+0.70	+1.75	+2.38	-0.08	-1.43	-2.27	-3.59	-4.74	-4.16	-3.98	-3.38	-2.06	-1.18
Equinox	+0.67	+1.51	+2.93	+3.45	+2.35	-0.99	+0.42	+2.90	+4.59	+2.72	+2.66	+2.54	+3.61	+2.32	+1.19	-0.44	-3.32	-6.69	-7.39	-6.30	-4.66	-3.03	-1.07	+0.27
Summer	-0.14	-0.34	+0.63	+1.29	+1.92	-1.15	+0.80	-1.08	+0.55	+1.67	+4.48	+4.91	+5.66	+6.06	+3.53	-0.18	-2.58	-5.27	-6.22	-5.42	-4.19	-3.02	-1.52	-0.38

VERTICAL FORCE (gammas) (Disturbed Days)

Table 105. Agincourt. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+22.7	+15.5	+12.2	+7.9	+3.3	+0.8	-1.2	-7.8	-11.3	-8.1	-15.2	-17.7	-12.9	-10.3	-16.6	-17.4	-10.6	-7.2	-2.6	+5.1	+5.6	+17.8	+25.9	+22.8
February	+15.9	+20.0	+15.0	+10.8	+6.7	+2.3	-1.7	-3.5	-12.5	-17.6	-12.1	-21.5	-18.8	-15.3	-20.2	-19.8	-14.4	-9.0	+3.0	+17.9	+20.8	+21.3	+18.1	+14.7
March	+51.8	+46.7	+13.1	+20.6	+2.3	-20.4	-44.4	-34.2	-22.9	-28.2	-27.3	-20.6	-10.6	-12.7	-8.8	-10.2	-9.1	-6.2	-0.2	+11.9	+16.0	+23.4	+27.4	+43.5
April	+81.6	+57.9	+50.4	-14.3	-19.8	-86.0	-88.7	-87.0	-77.1	-48.1	-33.7	-26.7	-31.9	-33.9	-23.9	-12.5	-11.7	+0.4	+22.4	+59.4	+67.7	+74.0	+88.4	+91.8
May	+27.1	+15.5	+13.5	+4.9	-12.6	-22.7	-40.8	-42.7	-42.3	-23.1	-17.0	-16.2	-16.6	-14.0	-7.3	-6.9	-5.3	-1.4	+14.0	+28.7	+35.3	+47.5	+44.9	+35.3
June	+48.2	+43.3	+33.0	-9.9	-31.4	-64.9	-58.8	-118.8	-90.4	-87.2	-74.6	-33.1	-5.0	+9.3	+21.0	+29.6	+31.4	+29.3	+35.0	+34.1	+69.9	+68.6	+64.8	+57.3
July	+34.2	+16.3	+17.0	+7.8	+4.0	-2.5	-3.5	-13.2	-27.1	-41.5	-47.9	-54.6	-50.9	-37.8	-19.8	-9.3	+0.1	+10.0	+21.2	+35.3	+43.5	+41.6	+40.5	+35.9
August	+6.2	+8.3	+6.4	-1.4	+1.6	-2.3	-8.3	-8.1	-6.7	-3.9	-1.4	-0.3	-2.0	-2.8	-3.7	-3.5	-4.5	-6.0	-4.3	-0.9	+10.4	+12.4	+9.2	+6.5
September	+8.7	+9.9	+11.3	+11.8	+6.1	-4.7	-21.5	+0.9	+6.1	+2.3	-2.1	-5.2	-12.2	-18.3	-16.7	-11.8	-7.6	-5.6	+4.0	+7.5	+11.1	+8.3	+8.0	+10.2
October	+41.6	+14.9	+11.1	+3.3	-17.3	-45.6	-37.9	-29.1	-35.4	-61.7	-46.4	-32.4	-14.6	-7.6	+3.7	+6.7	+11.4	+19.8	+28.5	+36.2	+32.6	+32.3	+43.8	+41.6
November	+17.0	+27.3	+20.6	+1.5	-45.9	-41.4	-36.7	-45.8	-36.0	-19.1	-0.7	+1.9	+5.3	+2.7	+1.9	+2.1	+5.3	+13.3	+18.8	+22.9	+25.1	+21.8	+19.9	+18.5
December	+14.6	+12.7	+16.0	+13.3	-3.2	-20.2	-16.9	-25.7	-18.8	-16.0	-22.6	-21.0	-7.0	-2.4	-1.5	+1.6	+7.2	+10.0	+10.3	+11.6	+14.7	+15.0	+13.3	+15.1
Year	+30.8	+24.0	+18.5	+4.7	-8.9	-25.6	-30.0	-34.6	-31.2	-29.3	-25.1	-20.6	-14.8	-11.9	-7.6	-4.3	-0.6	+3.9	+12.5	+22.5	+29.4	+32.0	+33.7	+32.8
Winter	+17.6	+18.9	+16.0	+5.4	-9.8	-14.6	-14.1	-20.7	-19.6	-15.2	-12.6	-14.6	-8.4	-6.3	-9.1	-8.4	-3.1	+1.8	+7.4	+14.4	+16.6	+19.0	+19.3	+17.8
Equinox	+45.9	+32.4	+22.0	+5.4	-7.2	-39.2	-48.1	-37.4	-32.3	-33.9	-27.4	-21.2	-17.3	-18.1	-11.4	-7.0	-4.2	+1.8	+13.7	+28.8	+31.8	+34.5	+41.9	+46.8
Summer	+28.9	+20.8	+17.5	+0.4	-9.6	-23.1	-27.8	-45.7	-41.6	-38.9	-35.2	-26.0	-18.6	-11.3	-2.4	+2.5	+5.4	+8.0	+16.5	+24.3	+39.8	+42.5	+39.8	+33.8

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

HORIZONTAL FORCE (gammas) (All Days)

Table 106. Agincourt. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+9.5	+7.8	+7.1	+5.2	+4.2	+5.0	+5.5	+6.5	+7.7	+9.7	+9.9	+9.4	+8.8	+4.2	-9.8	-27.7	-35.1	-30.9	-21.4	-9.9	+1.9	+8.7	+13.2	+10.7
February	+11.5	+9.3	+10.7	+8.4	+8.9	+5.6	+5.1	+4.0	+6.1	+6.8	+8.7	+9.2	+4.9	-5.0	-16.2	-23.6	-28.0	-25.7	-15.3	-5.8	-2.2	+4.3	+7.4	+10.3
March	+12.1	+10.1	+10.4	+10.2	+9.9	+8.1	+4.1	-2.0	+1.1	+7.4	+8.8	+4.6	-2.2	-13.8	-20.7	-28.3	-31.5	-26.5	-14.5	-3.1	+7.1	+15.8	+16.7	+16.3
April	+27.2	+14.9	-0.1	-5.5	-8.8	-9.7	-12.5	-13.2	-15.1	-8.3	-8.8	-6.5	-3.7	-14.4	-29.5	-32.8	-27.7	-16.4	+0.6	+20.0	+23.3	+38.7	+46.1	+42.4
May	+16.9	+4.7	+3.5	-0.3	-6.6	-6.2	-8.8	-3.5	-2.5	-5.1	-3.8	-0.1	-5.3	-15.9	-25.1	-31.2	-24.2	-15.1	-0.7	+14.7	+27.3	+32.5	+30.9	+23.9
June	+12.4	+8.4	+3.2	+1.4	+1.0	-1.1	-4.5	-6.8	-5.1	-6.2	-3.4	-3.5	-5.7	-16.9	-26.7	-30.2	-24.2	-11.2	+6.5	+19.1	+25.7	+29.2	+20.8	+18.4
July	+14.6	+7.2	+2.9	-2.0	-0.5	-0.5	+0.6	-6.9	-6.0	-6.5	-4.0	-3.2	-8.8	-17.3	-29.6	-34.1	-27.1	-10.3	+8.9	+21.0	+24.9	+29.4	+27.6	+20.1
August	+20.9	+14.6	+15.0	+14.3	+8.6	+1.1	-6.1	-3.1	-6.3	-5.2	-1.2	-0.7	-7.6	-21.1	-36.2	-40.8	-35.9	-19.9	-1.7	+13.1	+24.5	+25.4	+24.2	+24.2
September	+11.0	+9.6	+9.0	+5.9	+6.3	+5.2	+5.3	+6.8	+8.7	+9.2	+8.5	+5.3	-3.3	-19.8	-32.5	-38.2	-35.6	-21.7	-5.9	+6.2	+17.1	+17.5	+11.9	+13.2
October	+21.7	+15.9	+13.1	+8.0	+1.3	-3.1	-12.9	-9.2	+2.1	+11.1	+15.6	+9.8	-0.3	-13.8	-30.5	-32.2	-26.5	-17.9	-7.3	+1.5	+9.5	+10.5	+15.4	+18.8
November	+8.7	+8.0	+6.9	+6.8	+6.7	+3.4	+2.9	+1.4	+2.7	+5.9	+8.7	+7.7	+2.9	-7.2	+14.4	-20.9	-20.4	-18.2	-10.5	-4.0	+3.7	+5.8	+6.8	+6.8
December	+8.1	+7.0	+6.7	+3.5	+3.4	+2.7	+4.9	+5.0	+6.8	+9.4	+11.4	+10.6	+9.7	+1.2	-10.6	-22.9	-31.7	-27.7	-15.7	-5.2	+1.5	+5.4	+8.9	+8.4
Year	+14.5	+9.8	+7.4	+4.7	+3.0	+0.9	-1.4	-1.8	-0.3	+2.5	+4.2	+3.5	-0.9	-11.6	-23.5	-30.3	-29.0	-20.1	-6.4	+5.7	+13.7	+18.6	+19.2	+17.8
Winter	+9.4	+8.0	+7.8	+6.0	+5.8	+4.2	+4.6	+4.2	+5.8	+8.0	+9.7	+9.2	+6.6	-1.7	-12.8	-23.8	-28.8	-25.6	-15.7	-6.2	+1.2	+6.0	+9.1	+9.0
Equinox	+18.0	+12.6	+8.1	+4.6	+2.7	+0.1	-4.0	-4.4	-1.7	+5.3	+6.0	+3.3	-2.4	-15.4	-28.3	-32.9	-30.3	-20.6	-6.8	+6.2	+14.2	+20.6	+22.5	+22.7
Summer	+16.2	+8.7	+6.2	+3.4	+0.6	-1.7	-4.7	-5.1	-5.0	-5.8	-3.1	-1.9	-6.8	-17.8	-29.4	-34.1	-27.8	-14.1	+3.2	+17.0	+25.6	+29.1	+25.9	+21.6

DECLINATION (minutes) (All Days)

Table 107. Agincourt. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+0.04	+0.89	+1.15	+1.38	+0.75	+0.27	+0.02	+0.83	+1.36	+0.95	+1.02	+1.57	+2.61	+4.73	+5.31	+2.29	-1.12	-3.98	-5.42	-5.31	-4.25	-2.37	-1.52	-1.11
February	-0.61	+0.39	+0.59	+0.88	+0.74	+0.87	+0.25	+1.48	+2.50	+3.34	+3.05	+2.59	+3.11	+3.89	+2.10	-0.07	-2.31	-4.13	-4.56	-4.16	-3.65	-2.45	-2.38	-1.34
March	-0.73	+0.09	+0.33	+1.40	+1.26	+1.68	+2.11	+1.95	+1.67	+2.93	+2.46	+2.54	+4.09	+4.36	+3.95	+1.00	-2.34	-4.95	-5.94	-5.74	-4.76	-3.39	-2.43	-1.64
April	+0.25	-0.22	+0.56	+0.20	+0.59	-0.97	+0.33	+0.98	+1.72	+3.33	+2.97	+3.58	+6.09	+7.05	+4.75	+0.97	-2.75	-5.47	-6.63	-6.32	-5.74	-3.55	-0.78	-0.85
May	+0.63	+1.26	+1.11	+1.80	+0.25	-0.07	-0.48	+0.02	+0.67	+1.43	+3.35	+6.02	+7.57	+6.47	+3.82	-0.14	-3.81	-6.30	-7.54	-6.84	-5.34	-3.02	-1.01	+0.29
June	+0.73	+0.99	+0.27	+0.30	+0.85	+0.91	+0.23	+0.17	+0.39	+1.78	+4.09	+6.79	+7.70	+6.98	+3.96	-0.42	-4.34	-6.85	-7.37	-7.18	-5.47	-3.12	-1.37	+0.04
July	+0.82	+0.73	+0.29	-0.37	+0.39	+1.64	+0.59	-0.64	-0.47	+1.17	+4.36	+7.30	+8.67	+8.91	+5.15	+0.59	-3.92	-7.02	-8.18	-7.59	-6.18	-3.73	-1.88	-0.54
August	-0.26	+0.49	+0.16	+0.65	+0.44	+1.47	-0.35	+0.10	+0.15	+2.66	+4.37	+7.70	+9.17	+8.57	+5.41	-0.45	-5.37	-8.49	-9.17	-7.75	-5.25	-2.99	-1.20	-0.09
September	-0.09	-0.09	+0.34	+0.65	+0.03	+1.11	+1.85	+1.96	+2.88	+3.39	+3.71	+5.47	+7.25	+6.85	+3.35	-1.72	-6.06	-8.80	-9.02	-6.86	-3.71	-1.46	-0.57	-0.36
October	+0.43	+0.69	+1.72	+2.05	+1.07	+0.84	+1.67	+2.95	+3.21	+3.27	+2.95	+2.68	+2.84	+2.68	+2.58	-2.11	-4.30	-5.63	-5.83	-5.04	-3.89	-2.63	-1.41	-0.90
November	+0.24	+0.70	+1.30	+1.30	+0.87	+0.64	+1.14	+1.33	+2.00	+2.82	+3.14	+1.91	+1.40	+2.82	+1.30	-0.72	-2.48	-3.88	-4.45	-3.78	-3.00	-2.22	-1.65	-0.66
December	+0.88	+1.92	+1.81	+1.90	+1.33	+0.64	+0.23	-0.30	+1.15	+1.20	+1.21	+0.12	+0.85	+2.76	+3.27	+1.43	-1.65	-3.95	-4.68	-4.07	-3.09	-1.89	-1.05	+0.01
Year	+0.19	+0.65	+0.80	+1.01	+0.71	+0.75	+0.63	+0.87	+1.49	+2.32	+3.05	+4.02	+5.11	+5.51	+3.75	+0.06	-3.37	-5.78	-6.57	-5.89	-4.53	-2.74	-1.44	-0.60
Winter	+0.14	+0.98	+1.21	+1.36	+0.92	+0.60	+0.41	+0.84	+1.75	+2.08	+2.10	+1.55	+1.99	+3.55	+3.00	+0.73	-1.89	-3.98	-4.78	-4.33	-3.50	-2.23	-1.65	-0.78
Equinox	-0.04	+0.12	+0.72	+1.08	+0.74	+0.66	+1.49	+1.96	+2.37	+3.23	+3.02	+3.57	+5.07	+5.24	+3.66	-0.46	-3.86	-6.21	-6.86	-5.99	-4.52	-2.76	-1.30	-0.94
Summer	+0.48	+0.85	+0.46	+0.60	+0.48	+0.99	0.00	-0.09	+0.34	+1.76	+4.04	+6.95	+8.28	+7.73	+4.58	-0.10	-4.36	-7.16	-8.06	-7.34	-5.56	-3.22	-1.36	-0.08

VERTICAL FORCE (gammas) (All Days)

Table 108. Agincourt. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+5.2	+4.4	+3.0	+0.9	+0.2	-2.5	-4.4	-5.5	-4.4	-4.5	-5.1	-3.6	-1.4	-0.6	-4.9	-6.3	-2.6	-0.2	+3.0	+5.8	+6.3	+5.6	+5.5	+6.4
February	+4.6	+7.0	+10.0	+7.2	+3.8	-0.5	-2.6	-3.6	-6.2	-7.1	-6.6	-6.0	-5.6	-5.0	-7.2	-6.7	-5.9	-2.8	+1.2	+6.6	+6.9	+7.4	+6.0	+5.4
March	+15.1	+9.5	+10.0	+7.1	+2.1	-3.1	-9.5	-12.1	-13.2	-11.7	-12.1	-7.7	-5.1	-5.9	-7.2	-5.1	-3.1	-0.6	+3.2	+5.4	+7.1	+9.7	+13.6	+13.9
April	+21.3	+15.3	+5.9	-4.9	-8.7	-10.0	-11.3	-19.9	-19.6	-18.2	-16.2	-13.3	-9.6	-6.0	-6.1	-7.9	-8.3	-5.1	+3.0	+11.1	+20.6	+36.0	+34.1	+17.3
May	+13.1	+7.4	+2.6	-6.4	-10.4	-16.9	-14.2	-14.6	-13.2	-12.9	-12.8	-10.0	-7.6	-7.0	-7.4	-5.4	-3.4	-0.8	+6.2	+17.0	+23.8	+25.6	+24.7	+22.4
June	+16.7	+11.7	+5.1	-0.8	-2.2	-7.8	-13.9	-12.1	-12.3	-11.6	-12.8	-11.1	-10.1	-7.0	-7.3	-6.0	-6.0	-5.8	+0.1	+9.6	+16.6	+21.1	+21.0	+25.6
July	+20.6	+12.8	+9.5	-0.6	-8.4	-8.9	-13.7	-15.1	-10.7	-10.3	-7.1	-4.3	-5.7	-6.3	-6.9	-6.9	-6.6	-6.3	-1.7	+6.3	+13.8	+17.9	+18.7	+19.1
August	+17.5	+12.8	+9.5	+6.8	-1.6	-11.9	-17.9	-14.9	-19.4	-19.2	-7.1	-4.9	-1.9	-2.6	-3.1	-2.4	-2.5	-0.7	+2.1	+6.2	+11.3	+13.5	+14.8	+16.1
September	+10.4	+11.9	+6.9	-3.2	-8.4	-6.9	-6.0	-8.7	-9.3	-8.4	-6.4	-5.6	-5.9	-5.4	-4.8	-5.3	-4.0	-1.4	+2.3	+9.6	+14.5	+14.3	+10.3	+10.1
October	+20.6	+15.0	+12.5	+0.5	-6.2	-11.9	-23.2	-20.8	-19.3	-12.8	-11.0	-8.6	-5.6	-3.9	-4.8	-2.8	+0.4	+3.3	+7.3	+10.9	+12.6	+12.7	+15.0	+19.5
November	+7.6	+6.2	+6.5	+4.8	+3.7	-1.5	-0.1	-3.0	-6.5	-7.0	-9.7	-8.2	-5.9	-4.6	-6.8	-5.8	-5.0	-0.5	+2.7	+5.4	+6.0	+7.8	+6.9	+6.2
December	+5.6	+5.6	+4.0	+2.9	+1.7	-1.7	-3.2	-5.1	-7.5	-6.1	-6.1	-6.7	-5.6	-4.8	-7.0	-4.6	-2.1	+2.1	+5.5	+6.9	+7.1	+6.9	+6.4	+6.4
Year	+13.2	+10.0	+7.1	+2.2	-1.8	-6.2	-10.0	-11.3	-11.8	-11.7	-9.4	-7.5	-5.8	-4.9	-6.1	-5.4	-3.9	-1.6	+2.9	+8.4	+12.2	+14.9	+14.7	+14.0
Winter	+5.8	+5.8	+5.9	+4.0	+2.4	-1.6	-2.6	-4.3	-6.2	-6.2	-6.9	-6.1	-4.6	-3.8	-6.5	-5.8	-3.9	-0.4	+3.1	+6.2	+6.6	+6.9	+6.2	+6.1
Equinox	+16.8	+12.9	+8.8	+2.9	-2.2	-5.6	-12.5	-15.4	-15.4	-12.8	-11.4	-8.8	-6.6	-5.3	-5.7	-5.3	-3.2	-1.0	+4.0	+9.2	+13.7	+18.2	+18.2	+15.2
Summer	+17.0	+11.2	+6.7	-0.2	-5.6	-11.4	-14.9	-14.2	-13.9	-16.0	-10.0	-7.6	-6.3	-5.7	-6.2	-5.2	-4.6	-3.4	+1.7	+9.8	+16.4	+19.5	+19.8	+20.8

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

HORIZONTAL FORCE (gammas) (Quiet Days)

Table 109. Agincourt. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+10.7	+10.4	+9.1	+7.6	+8.7	+7.6	+8.5	+7.7	+8.6	+9.9	+9.5	+9.3	+7.1	+0.3	-13.9	-29.1	-37.2	-33.9	-22.9	-10.2	0.0	+8.7	+12.2	+10.8
February	+8.1	+7.1	+6.3	+3.0	+5.2	+3.3	+4.9	+6.3	+5.9	+9.1	+9.6	+8.1	+2.3	-7.1	-12.5	-20.7	-24.1	-20.0	-11.7	-5.2	-0.4	+5.6	+8.7	+8.6
March	+9.5	+10.7	+10.8	+11.0	+11.6	+10.9	+11.2	+12.1	+11.8	+11.1	+10.1	+4.8	-1.9	-11.3	-19.4	-26.1	-30.8	-26.2	-16.6	-6.8	-0.6	+1.6	+3.7	+8.1
April	+11.6	+11.0	+8.5	+6.9	+6.6	+5.4	+6.8	+6.7	+6.4	+5.9	+3.9	-2.2	-0.4	-10.0	-22.9	-32.0	-30.0	-18.5	-7.5	0.0	+5.5	+12.7	+13.0	+12.4
May	+4.9	+5.1	+5.4	+7.1	+1.9	+1.2	+2.1	+0.4	+2.9	+6.6	+7.2	+8.6	+6.0	-4.5	-18.3	-26.8	-24.7	-14.3	-3.4	+7.5	+10.9	+4.0	+5.5	+5.0
June	+11.4	+5.6	+5.9	+4.2	+1.3	+2.5	+2.9	+1.5	+0.7	+0.7	+0.7	-3.0	-14.6	-24.4	-30.2	-29.6	-22.6	-4.0	+11.1	+17.9	+18.9	+17.0	+12.8	+11.9
July	+5.6	+3.7	+2.5	+1.4	+2.2	+3.7	+4.9	+3.9	-0.5	+0.3	-0.8	-0.7	-5.9	-16.7	-28.0	-34.0	-25.4	-8.2	+5.8	+19.8	+24.5	+16.5	+12.2	+13.2
August	+12.8	+11.1	+13.0	+13.1	+10.2	+8.8	+9.2	+8.7	+6.3	+6.1	+4.1	+2.6	-5.6	-22.2	-37.8	-41.7	-33.3	-22.1	-9.6	+3.5	+13.6	+17.4	+17.4	+14.8
September	+10.4	+10.6	+12.2	+11.6	+10.2	+8.8	+8.1	+7.1	+8.2	+8.2	+9.3	+6.2	-1.0	-15.9	-29.3	-38.1	-36.9	-25.8	-9.6	+2.9	+9.5	+9.8	+10.4	+13.2
October	+9.7	+14.3	+15.8	+13.0	+12.7	+12.0	+11.1	+10.4	+13.1	+12.7	+13.5	+11.1	+2.2	-12.9	-29.1	-37.3	-35.6	-30.2	-20.2	-9.0	+0.4	+3.6	+9.0	+9.9
November	+9.9	+9.3	+10.4	+8.8	+8.3	+6.3	+3.3	+6.0	+7.7	+9.2	+10.8	+8.7	+2.2	-10.5	-20.4	-27.8	-28.2	-22.0	-13.3	-4.3	+3.8	+5.3	+7.5	+9.0
December	+8.2	+6.5	+8.1	+4.7	+4.9	+4.5	+6.5	+5.9	+5.9	+4.3	+9.3	+8.7	+7.2	0.0	-13.8	-27.2	-31.4	-22.7	-11.4	-3.5	+1.3	+5.2	+9.4	+10.0
Year	+9.4	+8.8	+9.0	+7.7	+7.0	+6.2	+6.6	+6.4	+6.4	+7.0	+7.3	+5.2	-0.2	-11.3	-23.0	-30.9	-30.0	-20.7	-9.1	+1.1	+7.3	+8.9	+10.1	+10.6
Winter	+9.2	+8.3	+8.5	+6.0	+6.8	+5.4	+5.8	+6.5	+7.0	+8.1	+9.8	+8.7	+4.7	-4.3	-15.2	-26.2	-30.2	-24.6	-14.8	-5.8	+1.2	+6.2	+9.4	+9.6
Equinox	+10.3	+11.6	+11.8	+10.6	+10.3	+9.3	+9.3	+9.1	+9.9	+9.6	+9.2	+5.0	-0.3	-12.5	-25.2	-33.4	-33.3	-25.2	-13.5	-3.2	+3.7	+6.9	+9.0	+10.9
Summer	+8.7	+6.4	+6.7	+6.4	+3.9	+4.0	+4.8	+3.6	+2.4	+3.4	+2.8	+1.9	-5.0	-17.0	-28.6	-33.0	-26.5	-12.2	+1.0	+12.2	+17.0	+13.7	+12.0	+11.2

DECLINATION (minutes) (Quiet Days)

Table 110. Agincourt. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+0.23	+0.87	+1.02	+0.84	+0.52	+0.33	+0.37	+0.29	+0.58	+1.06	+0.98	+1.67	+2.37	+4.04	+5.16	+2.18	-1.45	-4.45	-5.53	-4.84	-3.50	-1.84	-0.77	-0.25
February	-1.28	-0.58	-0.34	+0.12	+0.26	+0.56	-0.36	+1.16	+1.69	+1.39	+3.11	+2.91	+3.35	+3.61	+3.17	+1.05	-2.14	-2.68	-3.92	-3.52	-2.44	-1.66	-1.62	-1.78
March	-1.04	-0.62	-0.18	-0.10	-0.08	+0.14	+0.41	+0.71	+1.21	+1.79	+2.49	+3.19	+4.51	+5.79	+3.71	+0.87	-2.39	-4.41	-4.76	-3.98	-2.86	-1.60	-1.30	-1.54
April	-0.01	+0.50	+0.63	+0.88	+0.95	+1.32	+1.77	+0.92	+2.41	+2.64	+3.13	+3.76	+5.18	+6.81	+5.22	+1.59	-2.82	-5.19	-7.88	-7.69	-6.40	-4.29	-2.44	-1.11
May	-0.39	-0.46	-0.19	+0.40	+0.50	+0.77	-0.06	+0.33	+0.62	+1.83	+3.64	+5.95	+7.55	+7.44	+4.39	-0.10	-4.03	-6.42	-7.03	-6.00	-4.50	-3.13	-1.28	+0.05
June	+0.86	+0.70	+0.62	+0.10	-0.22	-0.68	-0.84	-0.08	+0.19	+1.71	+5.71	+7.23	+7.69	+6.83	+3.75	-1.39	-4.96	-6.00	-6.48	-6.32	-4.96	-2.64	-1.18	+0.38
July	-0.23	-0.20	-0.53	-0.38	-0.31	+0.22	-0.09	-0.18	-0.25	+2.20	+4.73	+7.56	+9.40	+8.39	+5.84	+1.51	-3.40	-6.67	-8.18	-7.51	-5.64	-3.73	-1.86	-0.61
August	-0.87	-0.51	-0.62	-0.17	+0.25	+1.14	+0.93	+1.21	+1.86	+2.60	+4.23	+7.06	+8.98	+8.09	+4.76	-0.58	-5.37	-8.21	-8.72	-7.17	-4.67	-2.42	-1.09	-0.71
September	-0.79	-0.57	-0.29	-0.12	-0.02	+0.35	+1.01	+1.29	+2.42	+2.19	+3.65	+5.26	+6.39	+6.20	+3.60	-1.06	-4.85	-7.45	-7.53	-5.32	-2.85	-0.98	-0.34	-0.21
October	+0.57	-0.18	+0.20	-0.09	+0.79	+0.90	+1.08	+1.27	+1.36	+1.12	+1.19	+2.67	+4.47	+5.74	+4.92	+1.33	-1.86	-4.20	-5.18	-5.15	-4.01	-3.12	-2.42	-1.49
November	-0.63	-0.48	-0.04	+0.11	+0.30	+0.84	+0.19	+1.07	+1.14	+1.93	+2.35	+2.64	+3.30	+4.41	+3.15	+0.30	-2.41	-3.83	-4.46	-3.28	-2.11	-1.78	-1.74	-1.07
December	+0.27	+0.59	+0.17	+0.37	-0.15	-0.33	-0.63	-0.45	-0.34	-0.08	+0.86	+1.46	+2.00	+4.10	+4.66	+2.32	-1.25	-3.37	-3.47	-2.65	-2.31	-1.35	-0.45	-0.01
Year	-0.28	-0.08	+0.04	+0.16	+0.23	+0.46	+0.31	+0.63	+1.07	+1.70	+3.01	+4.28	+5.43	+5.96	+4.36	+0.67	-3.08	-5.24	-6.09	-5.29	-3.85	-2.38	-1.37	-0.70
Winter	-0.35	+0.10	+0.20	+0.36	+0.23	+0.35	-0.11	+0.52	+0.77	+1.08	+1.82	+2.17	+2.76	+4.04	+4.04	+1.46	-1.81	-3.58	-4.34	-3.57	-2.59	-1.66	-1.14	-0.78
Equinox	-0.32	-0.22	+0.09	+0.14	+0.41	+0.68	+1.07	+1.05	+1.85	+1.94	+2.62	+3.72	+5.14	+6.14	+4.36	+0.68	-2.98	-5.31	-6.34	-5.54	-4.03	-2.50	-1.62	-1.09
Summer	-0.16	-0.12	-0.18	-0.01	+0.06	+0.36	-0.02	+0.32	+0.60	+2.08	+4.58	+6.95	+8.40	+7.69	+4.68	-0.14	-4.44	-6.82	-7.60	-6.75	-4.94	-2.98	-1.35	-0.22

VERTICAL FORCE (gammas) (Quiet Days)

Table 111. Agincourt. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+0.5	-0.1	-0.2	-2.4	-1.6	-2.2	-1.4	-2.2	-2.3	-3.4	-2.4	-1.2	+0.2	+0.7	-2.2	-4.1	-0.8	+1.4	+4.7	+5.2	+6.2	+4.1	+2.3	+0.5
February	+2.2	+2.2	0.0	+3.0	+2.5	+2.9	+1.5	+0.4	-0.1	-2.7	-2.0	+0.9	+1.6	+0.6	-3.8	-4.6	-5.8	-3.3	-2.7	+0.6	+0.8	+1.1	+2.0	+2.8
March	+2.5	+1.3	+1.1	+1.3	+0.9	+1.0	+0.2	+0.2	-0.3	-0.9	-0.6	+0.1	+2.7	+0.2	-1.8	-4.4	-4.9	-3.7	-1.5	+0.9	+1.0	+1.2	+0.2	+2.0
April	+2.9	+2.4	+1.9	+2.1	+2.3	+2.0	+1.4	+1.6	+2.0	+1.1	+1.9	+2.7	+1.6	+1.5	-5.6	-10.8	-12.5	-8.4	-4.8	-1.2	+1.2	+4.9	+5.5	+4.9
May	+3.0	+2.8	+1.6	+0.6	+0.1	-0.9	-3.6	-3.9	-0.6	+1.7	+2.7	-0.0	-2.1	-2.9	-4.2	-6.5	-5.4	-4.9	-2.6	+2.1	+5.6	+5.0	+5.4	+4.4
June	+6.1	+3.7	-1.2	-2.8	-4.7	-5.7	-4.4	-5.9	-4.4	-2.7	0.0	+1.2	-0.1	+1.4	+3.5	+1.3	-4.1	-6.4	-3.7	+2.8	+5.0	+5.5	+5.9	+8.4
July	+7.4	+5.1	+4.8	+3.8	+2.8	+1.9	-0.3	-7.8	-9.0	-3.0	-0.1	+0.4	-0.7	-0.1	-3.6	-3.6	-3.6	-6.7	-5.5	-3.2	+1.7	+4.3	+6.8	+8.4
August	+3.1	+2.5	+2.3	+2.4	+1.6	-0.2	-2.2	-1.8	-1.5	-1.1	-0.1	-0.7	-1.0	-3.1	-5.4	-4.2	-5.7	-4.6	-0.7	+1.8	+4.6	+5.3	+5.0	+3.3
September	+4.2	+2.4	-0.5	-3.8	-2.6	-0.5	-1.3	-3.4	-3.5	-4.4	-4.1	-3.9	-2.1	-1.4	-1.0	-1.0	-0.3	-0.9	-0.1	+3.4	+7.2	+7.5	+4.6	+5.4
October	+2.1	+1.0	+0.7	-0.8	+0.4	-0.5	-2.6	-3.2	-3.1	-1.7	-1.9	-0.1	+1.3	+2.2	-0.2	-1.2	-2.5	-1.6	+0.1	+1.5	+1.7	+2.5	+2.9	+3.0
November	+0.4	+0.1	+0.5	+0.4	+0.1	-0.4	-0.2	+0.1	+0.8	+1.0	+0.1	-0.2	-0.2	-0.8	-3.0	-4.2	-2.7	-0.5	+1.5	+2.0	+1.7	+1.5	+1.1	+0.7
December	+1.7	+1.4	+0.3	+0.2	+0.1	-0.2	-1.7	-1.8	-1.6	-2.2	-2.5	-1.7	-0.2	+1.2	-3.4	-3.5	-2.1	+1.0	+2.7	+1.9	+2.1	+3.5	+2.7	+2.2
Year	+3.0	+2.1	+1.0	+0.3	+0.2	-0.2	-1.2	-2.3	-2.0	-1.5	-0.8	-0.2	+0.1	-0.1	-2.6	-3.9	-4.2	-3.2	-1.0	+1.5	+3.6	+3.9	+3.6	+3.8
Winter	+1.2	+0.9	+0.2	+0.3	+0.3	0.0	-0.4	-0.9	-0.8	-1.8	-1.7	-0.6	+0.4	+0.4	-3.1	-4.1	-2.8	-0.4	+1.6	+2.4	+2.7	+2.6	+2.0	+1.6
Equinox	+2.9	+1.8	+0.8	-0.3	+0.2	+0.5	-0.6	-1.2	-1.2	-1.5	-1.2	-0.3	+0.9	+0.6	-2.2	-4.4	-5.0	-3.6	-1.6	+1.2	+2.8	+4.0	+3.3	+3.8
Summer	+4.9	+3.5	+1.9	+1.0	0.0	-1.2	-2.6	-4.8	-3.9	-1.3	+0.6	+0.2	-1.0	-1.2	-2.4	-3.2	-4.7	-5.6	-3.1	+0.9	+5.2	+5.0	+5.5	+6.1

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

HORIZONTAL FORCE (gammas) (Disturbed Days)

Table 112. Agincourt. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+9.1	+7.2	+5.2	+4.3	+3.7	+8.9	+8.1	+10.3	+9.9	+10.4	+6.4	+4.1	+5.4	+6.7	-6.2	-32.2	-36.2	-29.0	-22.0	-11.7	+1.5	+1.7	+20.5	+13.7
February	+18.2	+13.2	+27.2	+21.6	+14.7	+3.3	-4.1	-17.7	-3.4	-1.6	+9.5	+12.1	+11.8	+2.6	-16.2	-28.4	-36.7	-36.0	-27.1	+4.0	-2.3	+5.6	+11.3	+17.1
March	+24.4	+20.9	+19.7	+22.1	+18.0	+11.5	-15.1	-49.3	-48.0	-7.8	+2.9	-12.6	-49.3	-36.2	-22.5	-15.8	-17.0	-10.4	+4.1	+16.7	+30.7	+45.1	+40.8	+27.3
April	+110.0	+57.5	-26.9	-55.8	-69.5	-103.5	-104.3	-102.5	-101.1	-62.3	-79.9	-55.2	-18.0	-31.6	-42.8	-30.1	-19.1	+6.3	+39.9	+86.7	+104.9	+131.1	+182.9	+181.5
May	+54.9	+1.0	+0.2	-21.3	-51.7	-51.2	-63.8	-30.0	-22.4	-39.7	-38.6	-16.8	-30.8	-37.6	-32.7	-22.9	-5.5	+4.0	+25.6	+12.2	+94.6	+107.9	+94.3	+70.7
June	+20.1	+8.6	+2.4	+5.7	+7.6	-9.1	-19.2	-38.6	-21.9	-29.3	-15.4	-16.0	-19.2	-28.5	-36.5	-33.8	-29.2	-14.3	+14.8	+26.9	+53.1	+79.9	+52.4	+39.7
July	+40.3	+23.0	+18.7	-9.5	-4.5	-6.9	-1.0	-42.0	-44.6	-33.0	-22.0	-10.3	-20.3	-23.3	-31.3	-40.4	-34.2	-12.1	+15.2	+33.6	+43.4	+65.8	+56.9	+39.0
August	+61.4	+36.6	+41.7	+38.6	+5.5	-39.5	-81.9	-61.4	-75.9	-62.4	-31.1	-11.9	-15.7	-22.8	-37.9	-27.7	-13.8	+7.4	+24.1	+33.3	+54.6	+57.1	+52.1	+69.1
September	+12.1	+10.8	+3.6	-10.8	-14.5	-9.0	+8.7	+7.1	+7.5	+7.8	+3.9	+1.0	-6.5	-23.3	-33.0	-36.5	-38.8	-11.7	+8.4	+19.9	+36.7	+35.1	+11.6	+10.4
October	+42.8	+29.0	+15.5	-8.9	-41.4	-62.0	-103.7	-67.7	+7.3	+23.1	+27.2	+12.9	-1.8	-11.6	-40.0	-11.3	+2.6	+8.9	+21.6	+21.1	+22.1	+30.4	+38.7	+45.7
November	+9.3	+10.8	+9.9	+5.9	+11.6	+0.8	+1.2	-1.6	-3.8	+4.9	+4.3	-1.0	+3.2	-7.3	-7.0	-20.3	-16.6	-22.8	-16.3	-4.5	+10.5	+10.1	+10.2	+8.6
December	+9.4	+8.7	+7.6	+3.5	+3.3	+7.0	+13.3	+9.9	+10.4	+16.5	+19.8	+20.1	+17.4	-0.8	-6.0	-18.1	-42.9	-51.8	-29.5	-9.9	+0.4	+3.4	+3.3	+4.5
Year	+34.3	+19.0	+10.4	-0.4	-9.8	-20.8	-29.3	-30.4	-23.8	-14.4	-9.4	-6.2	-10.3	-17.8	-26.0	-26.5	-24.0	-13.5	+4.9	+19.0	+37.5	+47.8	+47.9	+43.9
Winter	+11.5	+10.0	+12.5	+8.8	+8.3	+5.0	+4.6	+4.9	+3.3	+7.6	+10.0	+8.8	+9.4	+0.3	-8.8	-24.8	-33.1	-34.9	-23.7	-5.5	+2.5	+5.2	+11.3	+11.0
Equinox	+47.3	+29.6	+3.0	-13.4	-26.8	-40.8	-53.6	-53.1	-33.6	-9.8	-11.5	-13.5	-18.9	-25.7	-34.6	-23.4	-18.1	-1.7	+18.5	+36.1	+48.6	+60.4	+68.5	+66.2
Summer	+44.2	+17.3	+15.8	+3.4	-10.8	-26.7	-39.0	-43.0	-41.2	-41.1	-26.8	-13.8	-21.5	-28.0	-34.6	-31.2	-20.7	-3.8	+19.9	+26.5	+61.4	+77.7	+63.9	+54.6

DECLINATION (minutes) (Disturbed Days)

Table 113. Agincourt. 1937.

January	-0.58	+0.69	+0.77	+0.62	+0.87	+0.69	-0.20	+0.21	+2.34	+1.98	+1.54	+2.35	+3.53	+5.34	+5.40	+3.02	-1.29	-4.26	-5.31	-5.39	-4.26	-2.51	-2.71	-2.86
February	-1.08	+0.56	+1.22	+2.20	+1.17	+2.95	+1.93	+2.63	+5.05	+5.20	+3.86	+2.96	+3.66	+3.78	+2.80	-0.59	-4.31	-6.27	-6.47	-5.33	-5.86	-4.20	-4.14	-1.76
March	-0.37	+0.97	+1.76	+3.44	+3.56	+3.76	+3.59	+5.45	+2.63	+8.59	+4.06	+0.44	+2.36	-4.12	-1.71	-3.21	-3.35	-5.05	-5.52	-5.74	-4.22	-3.88	-2.89	-0.55
April	+2.77	-2.59	+0.94	-2.60	+0.19	-9.41	-3.59	-3.00	-2.38	+5.21	+1.01	+0.04	+9.36	+10.51	+4.97	+3.52	-0.28	-3.69	-3.59	-3.87	-5.56	-3.96	+2.91	+3.09
May	+3.14	+5.19	+2.88	+1.60	-1.24	-1.82	-5.14	-0.56	-0.26	-0.62	-0.34	+3.58	+6.20	+2.90	-1.50	-4.42	-6.26	-4.64	-4.30	-1.28	-0.02	+1.94	+2.81	+2.22
June	+1.02	+2.12	+1.62	+1.53	+4.09	+2.70	+1.78	+1.14	+1.55	+0.59	+2.95	+5.06	+5.00	+2.85	-0.01	-1.57	-5.46	-7.86	-7.76	-6.07	-3.49	-1.90	-0.48	+0.50
July	+1.17	+1.87	+2.13	+0.03	+3.77	+7.95	+4.49	-2.21	-3.38	-2.02	+3.22	+8.58	+8.28	+9.26	-5.04	-0.16	-5.59	-8.51	-10.83	-9.57	-7.73	-3.43	-1.43	-0.97
August	-0.74	+2.26	+0.96	+3.25	+2.41	+5.90	-8.04	-4.76	-5.25	+8.69	+9.37	+13.42	+12.16	+7.71	+3.15	-2.89	-7.06	-10.18	-10.04	-8.49	-5.49	-3.78	-2.50	-0.18
September	-1.15	-1.65	+1.37	+3.14	-0.53	+1.66	+3.54	+2.03	+1.51	+3.53	+2.48	+4.61	+8.13	+8.48	+5.37	-0.36	-5.14	-9.74	-10.07	-8.08	-3.70	-2.08	-2.47	-0.96
October	-1.34	-1.55	+1.29	+5.74	+1.80	-2.71	-1.12	+3.52	+8.88	+6.91	+4.96	+3.60	+2.68	+0.19	-0.88	-5.55	-4.34	-5.00	-4.70	-4.30	-2.92	-1.02	-1.16	-2.87
November	+2.66	+2.17	+2.55	+2.70	+1.24	-2.73	+2.41	+3.98	+5.54	+6.09	+6.55	-0.42	-2.00	+1.49	-2.27	-4.14	-4.52	-6.25	-6.09	-4.92	-4.04	-1.27	-0.21	+1.50
December	+3.17	+3.79	+2.58	+2.92	+1.74	+1.72	+0.73	-0.67	+2.71	+1.19	+1.42	-1.48	+0.54	-1.10	+2.67	+2.23	-2.23	-5.53	-6.22	-5.58	-3.16	-1.96	-0.83	+1.39
Year	+0.74	+1.15	+1.67	+2.05	+1.67	+0.89	+0.03	+0.65	+1.58	+3.78	+3.42	+3.50	+4.99	+3.94	+1.92	-1.18	-4.15	-6.42	-6.74	-5.72	-4.20	-2.34	-1.09	-0.12
Winter	+1.05	+1.80	+1.78	+2.11	+1.26	+0.66	+1.22	+1.54	+3.91	+3.62	+3.34	+0.85	+1.43	+2.38	+2.15	+0.13	-3.09	-5.58	-6.02	-5.30	-4.33	-2.48	-1.97	-0.43
Equinox	-0.02	-1.20	+1.34	+2.43	+1.50	-1.68	+0.60	+2.00	+2.66	+6.06	+3.13	+2.17	+5.63	+3.76	+1.94	-1.40	-3.28	-5.87	-5.97	-5.50	-4.10	-2.74	-0.90	-0.32
Summer	+1.20	+2.86	+1.90	+1.60	+2.26	+3.68	-1.73	-1.60	-1.84	+1.66	+3.80	+7.66	+7.91	+5.68	+1.67	-2.26	-6.09	-7.80	-8.23	-6.35	-4.18	-1.79	-0.40	+0.39

VERTICAL FORCE (gammas) (Disturbed Days)

Table 114. Agincourt. 1937.

January	+13.4	+10.3	+8.5	+7.0	+5.5	-0.9	-6.6	-9.2	-9.9	-12.0	-16.7	-12.5	-7.9	-4.0	-9.0	-10.2	-3.6	-1.6	-0.6	+6.3	+9.8	+9.7	+15.7	+18.2
February	+1.3	+18.9	+40.4	+23.1	+8.1	-9.5	-9.7	-7.3	-19.8	-18.2	-10.2	-9.4	-11.9	-11.6	-12.1	-12.5	-13.2	-5.8	+2.2	+16.7	+13.9	+12.7	+10.5	+2.9
March	+33.4	+32.6	+22.5	+23.1	+18.5	-2.5	-38.8	-44.2	-46.5	-36.7	-46.1	-48.9	-25.9	-26.2	-27.5	-11.5	-0.1	+9.7	+23.8	+22.4	+32.0	+40.3	+60.8	+35.3
April	+77.2	+56.7	+12.1	-37.1	-43.6	-36.2	-41.9	-69.4	-58.0	-52.3	-49.8	-47.4	-24.8	-12.1	-11.7	-14.4	-14.1	-13.2	+4.1	+25.2	+59.2	+128.6	+126.3	+36.8
May	+63.8	0.0	-0.1	-16.2	-47.4	-67.7	-40.2	-32.0	-31.0	-52.3	-62.2	-47.6	-34.7	-26.3	-21.1	-2.6	+3.5	+8.0	+30.5	+65.1	+86.9	+85.7	+73.4	+64.0
June	+43.2	+31.7	+16.6	+7.3	+4.5	-10.0	-33.4	-25.2	-25.6	-44.9	-52.6	-51.4	-43.5	-31.2	-28.6	-22.1	-15.9	-7.7	+8.5	+30.7	+55.3	+67.5	+54.5	+73.1
July	+46.9	+40.8	+22.4	-24.8	-40.2	-36.4	-40.4	-58.1	-38.0	-58.9	-33.2	-11.9	-11.3	-12.2	-9.4	+0.1	+2.5	+9.5	+23.6	+39.2	+49.3	+58.0	+45.4	+37.1
August	+69.5	+50.1	+36.8	+24.2	-12.5	-52.2	-83.8	-75.1	-112.8	-112.2	-33.3	-14.5	+9.4	+9.6	+11.0	+14.9	+17.2	+23.1	+23.7	+26.9	+34.5	+41.4	+44.9	+58.8
September	+30.3	+46.5	+31.3	-9.5	-30.9	-21.6	-12.2	-2.0	-15.2	-18.9	-15.7	-16.5	-16.9	-13.6	-10.7	-12.1	-12.6	-10.1	-6.6	+15.2	+34.2	+26.9	+17.5	+23.0
October	+50.5	+41.3	+41.9	-18.0	-43.9	-65.9	-105.0	-74.8	-26.9	-0.7	+1.0	-4.6	+0.1	+1.8	-3.3	+4.6	+14.2	+17.4	+19.8	+23.5	+25.6	+27.5	+30.2	+43.8
November	+13.8	+12.1	+14.1	+13.6	+9.5	-19.6	-3.2	-6.1	-15.3	-14.4	-21.2	-24.3	-23.5	-16.6	-12.6	-10.3	-6.0	-0.7	+8.2	+18.1	+21.7	+25.6	+19.8	+17.0
December	+11.1	+7.8	+5.3	+4.4	+3.5	+2.2	-0.7	-7.7	-16.5	-18.0	-21.4	-22.2	-20.9	-21.3	-17.3	-8.0	+1.2	+6.6	+18.8	+24.2	+22.7	+17.3	+15.2	+13.6
Year	+37.8	+29.1	+21.0	-0.1	-14.9	-26.7	-34.6	-34.3	-34.6	-36.5	-30.1	-25.8	-17.6	-13.6	-12.7	-7.0	-2.3	+2.9	+13.0	+26.1	+37.1	+45.1	+42.6	+35.3
Winter	+9.9	+12.3	+17.1	+12.0	+6.6	-7.0	-5.0	-7.6	-15.4	-15.6	-17.4	-17.1	-16.0	-13.4	-12.8	-10.2	-5.4	-0.4	+7.2	+16.3	+17.0	+16.3	+15.3	+12.9
Equinox	+47.8	+44.3	+27.0	-9.9	-27.5	-31.6	-49.5	-47.6	-36.6	-26.9	-27.6	-29.0	-16.9	-12.5	-13.3	-8.4	-3.2	+1.0	+10.3	+21.5	+37.8	+55.8	+58.0	+34.7
Summer	+55.8	+30.6	+18.9	-2.4	-23.9	-41.6	-49.4	-47.6	-51.8	-67.1	-45.3	-31.4	-20.0	-15.0	-12.0	-2.4	+1.8	+8.2	+21.6	+40.5	+56.5	+63.2	+54.6	+58.2

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF

Note:-The ranges are those shown in Tables 97 to 105 in the preparation of which the non-cyclic change has been eliminated

Table 115. Agincourt. 1936.

Month and Season	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	34.1	7.75	15.2	46.2	8.89	10.6	35.7	9.46	43.6
February	29.4	8.39	16.6	33.5	7.56	6.8	34.6	11.06	42.8
March	44.5	12.49	24.6	41.6	12.00	8.0	61.7	11.12	96.2
April	55.4	12.44	55.1	35.8	14.22	10.4	120.6	15.08	180.5
May	56.7	14.02	33.0	32.4	13.69	12.1	87.2	14.31	90.2
June	52.1	12.88	44.1	40.3	13.15	12.9	135.1	17.15	188.7
July	57.8	13.77	24.2	47.6	14.76	8.3	104.2	10.99	98.1
August	52.8	15.34	12.2	45.8	13.59	8.8	67.4	15.87	20.7
September	50.5	13.85	11.9	52.2	14.18	6.0	45.7	13.40	33.3
October	39.0	10.35	25.8	39.0	8.71	8.2	49.0	16.84	105.5
November	37.7	8.36	17.8	34.4	6.66	9.5	107.0	13.18	73.2
December	32.9	6.78	12.4	28.9	6.94	7.7	33.6	7.87	38.6
Year	41.3	11.17	20.9	35.6	10.76	6.2	52.6	9.79	68.3
Winter	32.9	7.78	13.0	35.7	7.30	7.6	40.2	8.77	40.0
Equinox	45.4	12.18	25.9	40.2	10.12	7.4	65.4	11.98	94.9
Summer	53.2	13.85	25.8	40.8	13.51	9.8	78.9	12.28	88.2

AVERAGE DEPARTURE OF THE INDIVIDUAL VALUES FROM MEAN OF THE DAY

Table 116. Agincourt. 1936.

Month and Season	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	7.8	1.87	4.2	11.1	1.61	1.6	7.7	2.76	11.6
February	7.0	2.14	5.4	7.5	1.63	1.5	7.8	2.80	13.9
March	10.2	2.96	6.6	11.1	2.54	1.5	12.6	2.91	21.3
April	10.8	2.95	15.7	8.4	2.79	2.8	30.4	3.43	49.8
May	10.5	2.71	8.8	6.1	2.79	2.6	16.6	3.02	22.4
June	11.2	2.77	9.9	7.6	2.80	2.7	33.3	3.48	47.8
July	12.3	2.79	6.5	9.0	2.87	1.8	25.3	2.24	25.7
August	10.1	2.98	2.8	10.1	2.56	1.5	11.3	3.14	5.0
September	11.9	2.77	3.5	14.2	2.71	1.4	11.5	3.02	8.8
October	10.1	2.38	6.6	10.7	1.78	1.4	11.1	3.45	27.3
November	8.8	1.98	5.5	8.8	1.27	2.2	18.1	2.98	18.8
December	8.0	1.56	3.8	7.7	1.47	1.4	7.3	1.92	12.9
Year	8.8	2.43	6.5	8.8	2.16	1.4	13.4	2.47	20.4
Winter	7.7	1.85	4.6	8.7	1.46	1.6	9.4	2.24	13.0
Equinox	10.3	2.72	8.0	10.9	2.41	1.5	14.6	2.82	25.4
Summer	10.2	2.73	6.6	8.2	2.67	1.9	20.5	2.62	23.4

NON- CYCLIC CHANGE (24h.- 0h.)

Table 117. Agincourt. 1936.

Month	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	-0.1	-0.08	-0.1	+1.7	+0.18	+1.7	-10.7	+0.16	+4.1
February	-0.2	-0.03	+0.5	+0.6	-0.11	-4.5	-5.4	-0.83	+5.0
March	+0.5	+0.01	+0.2	+4.9	+0.29	-0.9	-3.7	-2.71	+22.5
April	-0.8	+0.18	+0.1	+4.0	+0.22	-2.0	+2.0	+0.07	-1.3
May	0.0	-0.14	-0.4	+2.2	-0.15	-1.9	-14.8	+0.25	+10.2
June	0.0	+0.05	+0.7	+3.0	+0.20	-0.6	-3.8	-0.12	+0.4
July	-0.5	0.00	+0.5	+4.2	-0.08	-1.7	-6.8	+1.04	+13.4
August	-0.2	-0.05	-0.3	+3.6	-0.11	+0.6	-3.7	-1.19	-1.4
September	-0.3	0.00	0.0	+5.5	-0.07	+1.8	-7.1	+0.48	-1.1
October	-0.6	+0.01	-0.5	+2.1	+0.14	-5.7	-6.7	+0.53	-5.2
November	+0.3	-0.02	-0.4	+1.4	-0.22	-3.3	-15.4	-0.13	+12.0
December	+0.3	+0.02	-0.4	+0.8	+0.43	-0.2	-5.6	-0.14	+1.2
Year									

MEAN MAGNETIC CHARACTER

Table 118. Agincourt. 1936.

Month	Numerical Character			Mean Magnetic Character of Day
	$\frac{HR_H}{10,000}$	$\frac{ZR_Z}{10,000}$	$\frac{HR_H+ZR_Z}{10,000}$	
January	89	178	267	0.77
February	87	208	295	0.72
March	107	301	408	0.74
April	181	481	662	0.90
May	147	246	393	0.71
June	164	335	499	0.90
July	153	342	495	0.87
August	107	162	269	0.55
September	106	207	313	0.50
October	110	359	469	0.65
November	118	315	433	0.53
December	77	149	226	0.47
Year	120	274	394	0.68

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 119. Agincourt. 1936.

Month	−D Declination (West)	H Horizontal Force	Z Vertical Component	X North Component	−Y West Component	I Inclination North	F Total Force
	° ′	γ	γ	γ	γ	° ′	γ
January	7 37.6	15368	56681	15232	2040	74 49.8	58728
February	7 37.9	15364	56676	15228	2040	74 50.0	58721
March	7 37.5	15366	56686	15230	2039	74 50.0	58732
April	7 37.8	15366	56687	15230	2040	74 50.0	58733
May	7 36.9	15375	56677	15239	2037	74 49.4	58725
June	7 36.3	15372	56649	15237	2034	74 49.1	58697
July	7 35.8	15367	56652	15232	2032	74 49.4	58699
August	7 36.2	15369	56649	15234	2034	74 49.3	58697
September	7 36.4	15359	56640	15224	2033	74 49.7	58685
October	7 36.9	15349	56650	15214	2034	74 50.4	58674
November	7 36.7	15341	56633	15206	2032	74 50.6	58674
December	7 36.3	15346	56621	15211	2031	74 50.1	58664
Year	7 36.9	15362	56658	15226	2036	74 49.8	58704

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF

Note:-The ranges are those shown in Tables 106 to 114 in the preparation of which the non-cyclic change has been eliminated

Table 120. Agincourt. 1937.

Month and Season	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	48.3	10.73	12.7	49.4	10.69	10.3	56.7	10.79	34.9
February	39.5	8.45	17.2	33.7	7.53	8.8	63.9	11.67	60.2
March	48.2	10.30	28.3	42.9	10.55	7.4	98.6	14.33	109.7
April	78.9	13.68	55.9	45.0	14.69	18.0	287.2	19.92	198.0
May	63.7	15.11	42.5	37.7	14.58	12.1	171.7	12.46	154.6
June	59.4	15.07	39.5	49.1	14.17	14.8	118.5	12.92	125.7
July	63.5	17.09	35.7	58.5	17.58	17.4	110.4	20.09	116.9
August	66.2	18.34	36.9	59.1	17.70	11.0	151.0	23.60	182.3
September	55.7	16.27	23.8	51.3	13.92	11.9	75.5	18.55	77.4
October	53.9	9.10	43.8	53.1	10.92	6.2	149.4	14.43	155.5
November	29.6	7.59	17.5	39.0	8.87	6.2	34.4	12.80	49.9
December	43.1	7.95	14.6	41.4	8.13	7.0	71.9	10.01	46.4
Year	49.5	12.08	26.7	41.5	12.05	8.1	78.3	11.73	81.6
Winter	38.2	8.33	13.8	40.0	8.38	6.8	47.4	9.93	34.5
Equinox	55.6	12.10	33.6	45.2	12.48	9.0	122.1	12.03	107.5
Summer	63.2	16.34	36.8	50.0	16.00	11.7	120.7	16.14	130.3

AVERAGE DEPARTURE OF THE INDIVIDUAL VALUES FROM MEAN OF THE DAY

Table 121. Agincourt. 1937.

All days			Quiet Days			Disturbed Days		
H	D	Z	H	D	Z	H	D	Z
γ	′	γ	γ	′	γ	γ	′	γ
11.2	2.09	3.8	12.3	1.89	2.2	11.4	2.45	8.7
10.2	2.14	5.5	8.5	1.86	2.1	14.5	3.33	12.6
11.9	2.66	8.0	11.6	2.07	1.5	23.7	3.38	29.6
17.8	2.77	13.8	10.3	3.15	3.6	75.2	3.71	43.8
12.9	2.88	11.9	7.7	2.80	3.1	38.8	2.70	40.1
12.1	3.01	10.6	10.7	3.00	3.8	25.9	2.88	32.7
13.1	3.37	10.0	10.0	3.31	3.9	28.0	4.65	31.2
15.5	3.45	9.2	14.4	3.42	2.7	40.2	5.78	41.4
13.1	3.23	7.5	13.0	2.70	2.9	15.3	3.83	18.8
12.8	2.64	10.9	14.5	2.31	1.6	29.0	3.29	28.6
8.0	1.90	5.4	10.5	1.82	1.0	8.4	3.24	14.5
9.5	1.72	5.0	9.2	1.40	1.7	13.2	2.40	12.8
10.4	2.58	8.1	10.4	2.36	1.9	21.9	2.66	24.2
9.6	1.93	4.9	10.1	1.66	1.4	10.9	2.43	11.9
12.2	2.74	9.3	12.2	2.50	1.9	31.5	2.75	28.4
13.1	3.11	10.4	10.2	2.98	2.9	31.8	3.52	34.2

NON- CYCLIC CHANGE (24h.-0h.)

Table 122. Agincourt. 1937.

Month	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	+0.2	+0.02	+0.5	+4.5	+0.56	-3.3	-7.9	-1.61	+20.5
February	-0.7	-0.14	+0.4	+2.3	-0.03	+0.4	-18.4	+0.91	+10.8
March	-0.6	+0.11	+0.8	+8.0	+0.02	-2.0	-21.3	+1.02	+14.4
April	+0.7	-0.19	+2.2	-0.2	+0.70	-3.3	-4.1	+3.73	+9.8
May	+0.6	+0.25	-1.7	+2.9	+0.69	-1.4	-1.6	+0.24	+5.8
June	-0.1	-0.08	-2.3	-2.4	-0.99	-17.5	-5.0	-0.09	+27.1
July	-0.5	+0.17	+1.0	+2.3	+0.22	-4.0	-7.4	-0.51	+2.5
August	-0.2	-0.14	+1.8	+5.9	-0.15	-0.9	-14.5	-0.09	+9.8
September	-1.2	-0.14	+5.3	+4.9	-0.15	-2.5	-8.8	-0.58	+38.0
October	+0.3	-0.13	-5.1	+6.9	+0.37	-5.4	-11.8	-0.62	-17.7
November	-1.6	-0.08	+1.2	+1.6	+0.14	+0.1	-2.9	-0.12	+5.5
December	+1.6	+0.12	-0.9	+5.2	+0.03	-1.7	-8.8	-0.54	+6.3
Year									

MEAN MAGNETIC CHARACTER

Table 123. Agincourt. 1937.

Numerical Character			Mean Magnetic Character of Day
$\frac{HR_H}{10,000}$	$\frac{ZR_Z}{10,000}$	$\frac{HR_H+ZR_Z}{10,000}$	
98	175	273	0.52
113	268	381	0.93
142	534	676	0.77
226	897	1123	0.93
187	564	751	1.03
172	494	666	0.97
190	561	751	0.87
192	585	777	0.71
137	430	567	0.83
231	741	972	1.06
93	219	312	0.73
100	199	299	0.61
157	472	629	0.83

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 124. Agincourt. 1937.

Month	−D Declination (West)		H Horizontal Force	Z Vertical Component	X North Component	−Y West Component	I Inclination North		F Total Force
	°	′	γ	γ	γ	γ	°	′	γ
January	7	36.4	15345	56628	15210	2031	74	50.3	58670
February	7	36.7	15335	56635	15200	2031	74	51.0	58674
March	7	36.4	15335	56608	15200	2030	74	50.5	58649
April	7	37.5	15337	56605	15201	2035	74	50.4	58646
May	7	36.0	15338	56611	15203	2029	74	50.4	58652
June	7	35.1	15345	56583	15211	2026	74	49.6	58627
July	7	34.6	15346	56591	15212	2023	74	49.7	58635
August	7	34.9	15333	56607	15199	2023	74	50.6	58647
September	7	35.1	15329	56597	15195	2023	74	50.7	58636
October	7	36.3	15310	56588	15175	2026	74	51.7	58622
November	7	36.0	15323	56585	15188	2027	74	50.9	58623
December	7	35.5	15323	56592	15189	2024	74	51.0	58630
Year	7	35.9	15333	56602	15198	2027	74	50.5	58643

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE

Values of c_n, α_n in the series $\Sigma c_n \sin(15nT + \alpha_n)$, T being Universal Time reckoned in hours from midnight

Table 125. Agincourt. 1936.

Month	Declination								Horizontal Force								Vertical Force							
	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
ALL DAYS																								
	′	°	′	°	′	°	′	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
January	2.38	326	1.75	39	0.51	205	0.48	288	10.0	24	8.4	121	4.2	233	0.6	56	6.2	88	1.5	120	0.8	260	0.5	37
February	2.85	331	1.75	57	0.61	210	0.61	283	9.6	30	7.6	142	5.0	276	2.4	39	7.6	90	1.4	118	1.3	285	1.1	344
March	3.83	314	2.74	46	1.15	170	0.65	281	12.0	35	11.9	134	5.0	245	0.8	339	9.2	104	4.4	85	1.2	247	0.7	14
April	5.60	332	3.02	65	0.87	166	0.33	319	14.2	76	12.9	147	6.1	243	0.9	84	22.9	119	9.1	93	2.7	295	0.8	245
May	3.71	313	3.36	69	1.29	202	0.18	63	14.0	75	12.7	164	5.4	275	0.8	291	12.3	116	6.1	103	1.6	264	0.9	210
June	3.75	302	3.16	63	1.00	222	0.17	126	14.8	105	10.4	174	5.0	282	2.6	52	15.1	131	8.3	67	1.4	236	0.1	27
July	3.09	292	3.58	55	1.25	195	0.30	48	16.7	79	12.2	173	5.4	261	1.6	31	10.3	108	1.2	135	1.7	148	1.3	327
August	3.99	315	3.60	74	1.55	201	0.23	5	12.4	63	11.9	177	6.5	288	2.4	45	3.1	86	3.3	115	1.0	244	0.5	262
September	3.84	319	2.97	78	1.58	198	0.40	311	14.7	47	12.5	158	6.0	288	1.5	44	5.0	104	0.9	186	1.2	280	0.3	331
October	3.23	323	1.99	64	0.95	185	0.66	302	12.3	26	11.0	139	3.5	269	1.4	35	10.1	118	1.6	93	1.3	222	1.2	26
November	2.26	323	2.24	55	0.34	182	0.48	271	9.4	33	11.0	126	4.6	269	0.6	85	8.0	122	2.6	101	1.7	288	0.8	357
December	1.82	318	1.81	31	0.66	153	0.40	252	9.2	12	9.2	113	3.5	220	1.2	331	5.7	122	0.8	65	0.9	278	1.0	336
Year	3.20	315	2.58	58	0.89	185	0.28	286	11.0	54	10.3	149	4.6	264	1.2	42	9.3	113	3.3	93	1.0	264	0.4	356
Winter	2.36	325	1.89	46	0.46	174	0.47	280	9.1	25	8.8	124	3.8	253	0.8	30	6.6	105	1.6	107	1.1	284	0.8	357
Equinox	3.68	318	2.59	65	1.11	181	0.30	318	12.6	47	11.9	145	4.8	260	1.0	41	11.8	115	3.8	96	1.4	271	0.4	351
Summer	3.74	309	3.41	65	1.28	203	0.16	50	14.0	81	11.8	171	5.6	279	1.8	52	10.1	118	4.4	93	1.1	226	0.4	288
QUIET DAYS																								
Year	2.88	308	2.50	61	1.07	184	0.28	315	11.6	35	8.8	148	3.9	264	1.4	34	1.5	77	1.5	117	0.9	235	0.4	344
Winter	1.74	312	1.77	44	0.67	164	0.44	271	11.0	21	9.0	124	3.6	230	1.4	335	2.0	98	1.2	165	1.0	262	0.6	2
Equinox	3.27	309	2.52	65	1.38	182	0.48	311	14.8	31	9.8	149	4.1	272	1.2	42	1.5	117	1.4	127	1.3	234	0.7	356
Summer	3.69	305	3.32	67	1.23	196	0.36	39	10.4	58	9.0	173	5.2	287	2.4	55	2.3	28	2.6	94	0.8	197	0.3	263
DISTURBED DAYS																								
Year	3.34	329	2.25	63	0.32	198	0.54	270	17.4	105	12.3	134	5.8	264	0.9	207	31.2	123	8.3	82	1.7	306	1.5	290
Winter	3.21	338	1.21	51	0.16	195	0.50	270	7.0	101	11.3	100	5.7	270	1.2	204	18.7	117	5.1	86	2.6	316	1.4	321
Equinox	3.83	339	2.46	68	0.45	132	0.94	278	16.4	96	13.8	131	5.6	246	0.6	219	37.9	122	13.1	87	3.8	351	1.9	298
Summer	3.29	309	3.03	64	1.00	219	0.21	219	31.4	111	13.7	171	7.0	266	0.8	194	37.2	128	6.9	70	3.3	220	1.9	258

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE

Values of c_n, α_n in the series $\Sigma c_n \sin(15nT + \alpha_n)$, T being Universal Time reckoned in hours from midnight

Table 126. Agincourt. 1937.

Month	Declination								Horizontal Force								Vertical Force							
	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
ALL DAYS																								
	′	°	′	°	′	°	′	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
January	2.48	311	2.48	40	0.78	138	0.81	286	13.4	17	12.7	120	5.6	225	2.0	344	7.4	106	1.4	117	1.4	276	0.9	30
February	3.06	319	1.45	69	0.25	173	0.45	286	9.2	37	9.2	119	3.9	260	1.0	49	7.9	90	0.4	90	1.6	277	1.0	316
March	3.67	316	2.01	49	1.01	171	0.42	292	15.8	44	11.0	133	5.1	255	1.4	189	12.0	106	3.3	61	1.2	276	0.7	119
April	3.68	308	3.22	63	1.02	166	0.48	308	23.3	80	17.8	137	4.5	222	3.4	94	20.5	117	7.6	115	3.8	193	1.0	297
May	3.57	314	3.93	65	1.12	204	0.18	00	16.6	93	15.2	151	4.8	246	0.6	41	17.7	127	7.1	135	1.6	199	1.1	305
June	3.98	313	3.88	67	1.35	203	0.38	58	16.4	92	12.1	162	6.4	266	1.6	54	15.9	111	5.9	113	1.9	171	0.7	256
July	4.29	306	4.37	62	1.69	200	0.50	61	17.6	91	13.7	164	6.2	260	3.0	69	13.6	111	7.6	104	0.3	250	0.5	302
August	4.59	309	4.56	68	2.03	204	0.24	341	21.8	73	13.0	147	8.2	276	1.3	61	13.6	120	6.7	68	2.0	277	0.2	139
September	4.44	321	3.49	83	1.87	196	0.69	324	16.0	46	14.0	159	6.4	283	1.6	32	10.3	118	4.0	124	0.7	304	1.8	340
October	3.65	333	1.88	76	0.49	176	0.70	309	13.6	56	14.1	127	7.4	319	1.6	139	16.2	125	7.2	73	2.4	341	0.4	39
November	2.66	329	1.42	71	0.17	170	0.45	286	9.8	31	7.8	128	3.6	276	0.4	76	8.0	95	0.2	249	1.0	247	0.9	7
December	2.36	336	2.01	44	0.63	142	0.75	275	11.4	14	11.3	123	4.6	244	2.0	3	7.3	108	0.6	207	1.3	298	0.5	67
Year	3.47	316	2.85	64	1.01	189	0.38	313	13.7	61	12.1	140	5.1	263	1.1	54	12.3	113	3.5	100	1.3	250	0.4	333
Winter	2.51	322	1.83	52	0.51	335	0.63	285	12.0	20	10.0	122	4.2	249	1.2	12	7.1	100	0.5	142	1.4	277	0.6	7
Equinox	3.83	320	2.58	70	1.06	182	0.57	310	15.6	66	14.0	139	5.0	264	1.4	109	14.6	115	4.2	89	1.4	251	0.2	264
Summer	4.10	310	4.17	67	1.48	203	0.26	30	17.8	86	13.5	155	6.4	264	1.6	59	15.3	118	6.1	104	1.2	219	0.4	302
QUIET DAYS																								
Year	3.23	306	2.74	66	1.21	190	0.35	319	14.0	36	9.8	149	4.8	272	1.5	39	2.4	90	1.9	122	1.1	238	0.3	34
Winter	2.11	304	1.82	56	0.87	178	0.53	290	13.2	22	10.2	128	4.0	252	1.3	25	1.7	99	1.0	163	1.0	259	0.7	43
Equinox	3.43	309	2.53	64	1.27	183	0.50	318	17.2	29	10.0	144	4.4	274	1.4	31	2.2	80	1.9	123	1.3	223	0.6	29
Summer	4.14	307	3.91	72	1.57	207	0.25	27	13.4	60	10.9	174	6.0	285	2.2	51	3.4	91	3.0	108	1.2	235	0.4	230
DISTURBED DAYS																								
Year	3.48	330	2.86	72	0.72	216	0.44	275	29.7	110	18.5	125	5.1	261	1.8	177	37.0	122	9.7	97	1.6	266	2.6	317
Winter	3.40	334	1.92	65	0.60	111	0.96	278	14.2	21	11.7	112	5.9	236	2.1	331	17.6	101	1.2	258	2.9	281	2.0	305
Equinox	3.62	321	2.36	79	0.36	190	0.76	270	43.9	123	25.7	127	4.5	335	4.1	171	41.5	123	16.6	97	2.2	19	4.0	289
Summer	3.36	332	4.26	70	2.10	234	0.30	106	47.1	118	14.2	133	7.7	257	4.0	103	53.6	127	13.0	91	3.2	208	2.9	357

MEANOOK MAGNETIC OBSERVATORY

Latitude 54° 37′ North

Longitude 113° 20′ West

INTRODUCTION

The Meanook Observatory is situated in the province of Alberta about 90 miles north of Edmonton. It is on high land about 3 miles northwest of the village of Meanook in the Tawatinaw valley, through which the nearest railway line passes. Some 12 miles northeast, where the Tawatinaw joins the Athabaska River, lies the town of Athabaska. The soil in the vicinity of the observatory consists of a thin layer of loam overlying very hard clay interspersed with scattered boulders.

Observations were commenced in 1916. Absolute measurements were made of declination, horizontal force and inclination at regular intervals, and continuous photographic records obtained of declination. In 1927 a horizontal force variometer, and in 1931 a vertical force variometer were installed. These were of the Kew type. In 1932, the Polar Year, la Cour variometers, both standard and low sensitivity, were added to the equipment, and all have since been kept in operation. During the Polar Year, la Cour quick-run variometers were also operated.

Instruments

Elliott magnetometer 48 was used from 1916 to 1931 for determination of absolute values of declination and horizontal force. This was then replaced by Elliott magnetometer 98, which is still in use. Dover Dip Circle 200 was used from 1916 to 1921 to obtain absolute values of inclination. It was then replaced by Meteorological Service earth inductor No. 2 (MS II) which in general design is similar to land-type b of the Department of Terrestrial Magnetism of the Carnegie Institution. In 1931, this was replaced by MS I of the same design.

The instrumental corrections which have been applied throughout 1936 and 1937, to reduce values to IMS (International Magnetic Standard) are as follows:—

IMS	Elliott	98	0′.04
IMS	Elliott	98	0.00039H
IMS	MS I		−0′.85

These corrections were determined at Agincourt in 1930 and 1931 (*see* Annual report for 1931).

The scale co-efficients and the temperature corrections for the variometers adopted during 1936 and 1937 are as follows:

	Instrument	Scale coefficient	Temperature Correction to 0° C
La Cour	Standard sensitivity D	0'.956 per mm.	
La Cour	Low sensitivity D	2'.3 per mm.	
La Cour	Standard sensitivity H	8.06γ per mm.	1.0γ per °C
La Cour	Low sensitivity H	22.2γ per mm.	−7.8γ per °C
La Cour	Standard sensitivity Z	10.74γ per mm.	2.0γ per °C
La Cour	Low sensitivity Z	16.7γ per mm.	−3.8γ per °C
Kew	D	1'.30 per mm.	
Kew	H	9.22γ per mm.	5.6γ per °C

In the Record of Observations, 1932-33, the correction quoted for I is correct, though it is wrongly stated that MS II was used.

In the la Cour hut, temperature changes are at times quite large, and when it has been necessary to use the la Cour records to complete the tables for H, and for all the Z reductions, the temperature reading during each hour is used to deduce the correction to each hour ordinate.

In the basement where the Kew-type variometers are installed, the variation in temperature is very small, and the mean temperature of each day is used for the correction of ordinates.

Absolute Observations and Base-Line Values

Declination.—Absolute observations are usually made once a week. Each result is the mean of two sets of eight readings, four with magnet erect and four with magnet inverted, after having carefully removed any torsion in the suspension. The time of each setting is noted, and from the measures of the ordinates, at corresponding times on the photographic record, the value of the base line is determined. These values are plotted on squared paper as ordinates against the dates of the observations as abscissae, and a mean curve is drawn, from which the adopted value of the base line for each day of the year is obtained. Discontinuities occurred on January 6, 1936, January 3, April 7, April 22, June 6, November 22, and December 25, 1937, due to adjustments of the variometer. The observed and adopted values of the base line of the la Cour variometer, from which the hourly values for 1936 and 1937 were obtained, are as follows:—

MEANOOK DECLINATION PHOTOGRAPHIC BASE-LINE VALUES FOR 1936

La Cour Recorder

Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base
	° ′	° ′		° ′	° ′		° ′	° ′
Jan. 6	25 40.3	25 40.2	May 4	25 50.8	25 44.8	Sept. 7	25 47.7	25 46.9
8	25 47.2	25 46.6	12	25 51.8	25 44.7	18	25 50.2	25 48.4
17	25 49.4	25 46.5	16	25 46.5	25 44.7	23	25 47.8	25 48.9
23	25 46.4	25 46.4	22	25 46.5	25 44.6	28	25 48.5	25 49.6
30	25 48.0	25 46.3	27	25 44.6	25 44.5			
			28	25 44.0	25 44.5	Oct. 11	25 50.1	25 51.0
						12	25 52.4	25 51.2
Feb. 10	25 45.0	25 46.1	June 3	25 39.0	25 44.4	17	25 53.7	25 51.6
20	25 43.6	25 45.9	4	25 42.0	44 44.4	19	25 50.4	25 51.8
21	25 47.9	25 45.9	24	25 47.3	25 44.1	26	25 53.1	25 52.2
25	25 46.9	25 45.9	26	25 44.4	25 44.1	29	25 53.9	25 52.4
			27	25 43.1	25 44.1	30	25 55.2	25 52.5
			30	25 46.5	25 44.0			
Mar. 4	25 42.0	25 45.7				Nov. 6	25 51.7	25 52.9
13	25 49.1	25 45.6				14	25 53.3	25 53.4
14	25 43.8	25 45.6	July 7	25 44.6	25 43.1	21	25 53.1	25 53.5
18	25 47.2	25 45.5	16	25 38.5	25 42.0	22	25 54.4	25 53.5
28	25 47.0	25 45.3	22	25 41.8	25 42.3	24	25 51.6	25 53.5
			29	25 40.5	25 42.7	28	25 53.2	25 53.5
April 2	25 42.2	25 45.3	Aug. 5	25 40.5	25 43.0	Dec. 7	25 55.3	25 53 5
13	25 52.2	25 45.1	14	25 42.6	25 43.5	16	25 54.6	25 53.5
21	25 44.0	25 45.0	25	25 41.6	25 45.0	24	25 52.8	25 53.5
27	25 43.2	25 44.9	31	25 46.4	25 45.8	30	25 50.3	25 53.5

MEANOOK DECLINATION PHOTOGRAPHIC BASE-LINE VALUES FOR 1937

La Cour Recorder

Date	Observed Base	Adopted Base
	° ′	° ′
Jan. 8	26 4.8	26 4.6
17	26 2.6	26 3.2
27	26 2.0	26 2.4
31	26 3.8	26 2.9
Feb. 10	26 0.9	26 3.9
12	26 2.9	26 4.2
13	26 4.6	26 4.3
15	26 5.8	26 4.5
23	26 5.8	26 5.4
Mar. 6	26 6.1	26 6.8
14	26 8.6	26 7.7
21	26 8.6	26 8.4
28	26 6.8	26 7.8
April 6	26 7.2	26 6.7
14	25 52.6	25 52.6
20	25 55.6	25 54.2
21	25 55.8	25 55.8
26	26 25.7	26 28.8
27	26 26.5	26 28.5
29	26 26.4	26 27.9
30	26 27.0	26 27.6
May 3	26 20.7	26 26.7
11	26 27.0	26 24.3
12	26 26.4	26 24.0
20	26 24.2	26 21.6
29	26 20.4	26 18.9
June 5	26 19.1	26 16.7
9	26 6.2	26 7.3
16	26 9.4	26 9.0
27	26 9.8	26 11.8
30	26 12.4	26 12.3
July 7	26 13.9	26 13.3
13	26 17.2	26 14.0
20	26 14.9	26 14.7
27	26 17.4	26 15.5
Aug. 7	26 17.9	26 16.7
8	26 16.6	26 16.8
15	26 15.7	26 17.6
22	26 14.9	26 18.3
29	26 15.5	26 19.1
Sept. 5	26 19.2	26 19.9
13	26 19.1	26 20.7
20	26 20.4	26 21.4
22	26 23.2	26 21.6
Oct. 3	26 22.7	26 22.7
4	26 23.5	26 22.8
6	26 24.7	26 23.0
12	26 23.1	26 23.5
18	26 24.0	26 24.0
27	26 27.8	26 25.0
28	26 31.6	26 25.0
Nov. 8	26 30.9	26 26.0
16	26 26.8	26 26.7
24	26 16.4	26 17.7
26	26 16.6	26 17.4
Dec. 3	26 18.5	26 16.7
13	26 13.9	26 15.6
14	26 14.1	26 15.5
20	26 16.9	26 14.8
27	25 17.3	25 17.3

Horizontal Force.—Absolute observations were made with Elliott magnetometer 98. The photographic base-line value is obtained by measuring the ordinates on the record at times corresponding to those of the absolute observations, converting to gammas, correcting for temperature, and then applying the result to the absolute value. The values are plotted on millimeter paper as ordinates against days as abscissae, and a smooth curve is drawn through the plotted values, from which the adopted base-line value for each day is obtained. During 1936 and 1937, the Kew-type variometer was used. From this the hourly values were obtained, because of its greater stability, and only on the rare occasion of failure of record were the readings from la Cour variometer substituted.

The observed and adopted values for the Kew-type variometer from 1936 and 1937 are as follows:

MEANOOK HORIZONTAL FORCE PHOTOGRAPHIC BASE-LINE VALUES FOR 1936-1937
at 0°C.

Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base
	° ′	° ′		° ′	° ′		° ′	° ′
1936								
Jan. 13	12292	12289	Aug. 11	12293	12296	May 7	12286	12296
27	12287	12287	27	12295	12295	24	12290	12296
31	12286	12286	31	12291	12295			
						June 1	12293	12296
Feb. 13	12286	12284	Sept. 13	12299	12295	19	12296	12297
25	12291	12283	29	12292	12294	30	12307	12298
28	12282	12282						
			Oct. 21	12296	12293	July 4	12300	12299
Mar. 11	12291	12280	27	12294	12293	21	12310	12300
24	12282	12277				28	12313	12300
30	12281	12276	Nov. 18	12294	12294			
			27	12294	12294	Aug. 12	12308	12301
						20	12313	12302
April 10	12271	12274	Dec. 12	12293	12294	30	12298	12302
24	12272	12272	26	12302	12295			
30	12264	12271	31	12307	12295	Sept. 16	12303	12303
						25	12301	12304
May 19	12295	12283						
30	12289	12286	1937			Oct. 5	12316	12305
			Jan. 20	12304	12295	19	12300	12306
			31	12298	12295	30	12297	12307
June 9	12285	12288						
25	12291	12291	Feb. 15	12292	12295	Nov. 10	12317	12307
30	12296	12292	24	12294	12295	23	12327	12308
July 15	12304	12294	Mar. 12	12298	12295	Dec. 7	12310	12309
27	12297	12296				20	12298	12310
31	12303	12297	April 8	12292	12295	29	12295	12311

Vertical Force.—Absolute observations of inclination are usually made each week with the earth inductor. Measurements of the horizontal force and vertical force ordinates are made from the records at the same recorded times, then from the known values of H and I the vertical force is computed by the formula Z = H tan I, and the base-line value at 0°C is obtained by applying the temperature correction. These values are plotted and a smooth curve drawn through them, as in the case of H and D, and the adopted values are read from the curve. Abrupt changes due to adjustment of the instrument occurred on May 2, May 13, June 19, October 31, November 30 and December 7, 1936, and abrupt changes in the base line due to adjustment of the instrument occurred on April 12, April 22, September 1, September 29, November 26, November 27, and December 28, 1937. The observed and adopted values of 0°C for 1936 and 1937 for the la Cour Z variometer are as follows:

VERTICAL FORCE PHOTOGRAPHIC BASE-LINE VALUES FOR 1936-1937

(*La Cour Variometer*)

Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base	Date	Observed Base	Adopted Base
	° ′	° ′		° ′	° ′		° ′	° ′
1936								
Jan. 8	59068	59017	Oct. 11	58835	58910	May 4	59019	59027
18	59021	59015	12	58952	58909	12	59074	59019
25	59022	59014	17	58992	58904	21	58962	59010
31	59108	59012	21	58884	58900	22	58996	59009
			26	58855	58895	29	58972	59002
Feb. 11	58991	59011						
21	59026	59009	Nov. 6	59150	59188	June 5	58912	58995
27	59032	59008	14	59137	59185	9	59022	58992
			24	59153	59182	16	58984	58986
Mar. 20	58950	59003	28	59186	59186			
29	59098	59001				July 7	58989	58967
			Dec. 10	58955	58962	14	58923	58960
April 2	59046	59000	18	58930	58980	20	58910	58954
12	58996	58996	25	58982	58996	27	58922	58948
27	59022	58991	31	59099	59010			
29	59005	58990				Aug. 7	58903	58951
			1937			8	59021	58951
May 4	58874	58888	Jan. 8	58889	58850	15	58931	58957
16	59388	59456	18	58994	58939	22	58935	58960
22	59388	59479	27	58929	58981	29	58964	58960
28	59520	59510	31	59095	58990			
						Sept. 5	58778	58797
June 5	59618	59510	Feb. 11	59014	59020	13	58831	58802
27	58952	59030	13	59083	59026	22	58872	58811
30	59016	59030	18	59048	59041			
			28	59102	59070	Oct. 12	58778	58870
July 8	59044	59023				15	58899	58870
16	58993	59014	Mar. 5	59086	59069	21	58966	58870
22	58959	59007	14	59060	59066	28	58852	58870
29	58992	58997	22	59037	59062			
Aug. 5	59026	58988	28	58988	59060	Nov. 8	58908	58870
14	58944	58976				16	58814	58870
25	58936	58961	April 6	59078	59057	26	58856	58827
31	58956	58953	14	58941	58918			
Sept. 7	59022	58946	21	58921	58890	Dec. 3	58871	58870
18	59030	58934	29	59042	59032	17	58910	58867
28	58944	58923	30	58965	59030	22	58870	58866
						30	59124	59028

Magnetic Reductions

The time used throughout is that of Greenwich Meridian (U.T.). Clock and chronometer errors and rates are controlled by comparison with Arlington time signals received by wireless. The clock controlling the time marks on the records is kept within a few seconds of correct time by the addition or removal of small weights on a shelf attached to the pendulum rod.

The records are reduced and tabulated in the same manner as at Agincourt. Any hourly reading is the mean value of the element for the sixty minutes centred on the half hour.

The diurnal variations of X, Y, I, and F for 1936 and 1937 may be computed from those of D, H, and Z by means of the following formulae:

$$\Delta X = -1.625\Delta D + 0.899\Delta H$$
$$\Delta Y = 3.327\Delta D + 0.439\Delta H$$
$$\Delta I = 0.012\Delta Z - 0.056\Delta H$$
$$\Delta F = 0.978\Delta Z + 0.210\Delta H$$

where D and I are in minutes of arc, and H, Z, X, Y, and F are in gammas (1 gamma = 0.00001 c.g.s.). A plus sign indicates an hourly value greater than the mean for the day. East declination and north inclination are considered positive.

Diurnal inequalities for all days, international quiet days, and international disturbed days, are given in tables 223 to 240. The non-cyclic change was eliminated in the same manner as at Agincourt. The amount of this change for Meanook is given in tables 243 and 248. A plus sign indicated that the 24^h value is greater algebraically than the 0^h value. Columns headed H, D, and Z are for horizontal force, declination, and vertical force respectively.

Review of Results

Mean Values for the years 1934 to 1937 inclusive are as follows:

Year	D	H	Z	X	Y	I	F
	° ′	γ	γ	γ	γ	° ′	γ
1934	26 15.3	12736	59367	11422	5634	77 53.5	60718
1935	26 8.2	12732	59367	11430	5603	77 53.7	60716
1936	26 3.4	12729	59291	11435	5591	77 53.0	60642
1937	25 59.6	12729	59266	11442	5579	77 52.7	60618

The easterly declination continues to diminish, but at a slower rate. The decrease from 1936 to 1937, was 3′.8, while the average for the past eleven years was 5′.9. Very little change has occurred in the horizontal force, but the vertical force and total force have decreased quite sharply in the last two years, with an average of about 50 gammas each. The north component shows a slight increase and the east component a small decrease. The inclination decreased 0′.3 between 1936 and 1937 which is about double the average for the past eleven years.

Extreme Values of D, H, and Z for the years 1936 and 1937, the Universal times of occurrence, and the absolute annual ranges, are as follows:

Component	Maximum		Minimum		Absolute Annual Range
	Value	Date	Value	Date	
		1936 D. H. M.		1936 D. H. M.	
D	29° 0′.4 E	July 6 12 2	23° 52′.2 E	June 19 4 4	5° 8′.2
H	13347γ	June 19 2 42	11507γ	July 6 11 29	1840γ
Z	59833γ	July 2 12 28	58607γ	Oct. 31 11 37	1226γ
		1937		1937	
D	29° 48′.0 E	Mar. 15 11 14	23° 2′.1 E	Aug. 2 6 32	6° 45′.9
H	13527γ	April 26 22 57	11174γ	April 28 5 32	2353γ
Z	60121γ	Aug. 22 9 27	58595γ	May 5 7 0	1526γ

The monthly and daily extremes are to be found in the monthly tables of D, H, and Z.

Magnetic Character Values of the years 1936 and 1937, based on the international character numbers, are 0.88 and 1.02 respectively, as compared with the mean values 0.65 and 0.73 from all reporting observatories. The number of days assigned to each character in each month at Meanook for 1936 and 1937, the totals for each year from 1927 to 1937, the resulting character figure, and the corresponding international values as published by the *Secrétariat du Comité Météorologique International, De Bilt*, are given in the following table:

—	Number of days with Character			Mean Character Figure Meanook International		Sunspot Number
	0	1	2			
1936						
January	6	24	1	0.84	0.69	62.8
February	3	25	1	0.90	0.78	74.3
March	4	23	4	1.00	0.64	77.1
April	3	19	8	1.17	0.82	74.9
May	4	22	5	1.03	0.70	54.6
June	8	20	2	0.80	0.69	70.0
July	4	21	6	1.06	0.73	52.3
August	15	15	1	0.55	0.45	87.0
September	12	17	1	0.63	0.46	76.0
October	8	19	4	0.87	0.69	89.0
November	8	17	5	0.90	0.70	115.4
December	6	24	1	0.84	0.47	123.4
1937						
January	11	18	2	0.71	0.55	132.5
February	2	22	4	1.07	0.89	128.5
March	9	15	7	0.94	0.78	83.9
April	5	17	8	1.10	0.83	109.3
May	5	19	7	1.06	0.74	116.7
June	6	20	4	0.93	0.74	130.3
July	8	16	7	0.97	0.78	145.1
August	9	18	4	0.84	0.53	137.7
September	3	23	4	1.03	0.61	100.7
October	3	14	14	1.35	0.98	124.9
November	5	15	10	1.17	0.73	74.4
December	5	17	9	1.13	0.63	88.8
Year 1927	129	174	27	0.68	0.63	69.0
1928	94	216	56	0.90	0.63	77.8
1929	81	209	75	0.99	0.67	65.0
1930	56	164	145	1.24	0.83	35.7
1931	78	226	61	0.95	0.66	21.2
1932	89	216	61	0.92	0.70	11.1
1933	73	239	53	0.94	0.64	5.7
1934	62	258	44	0.95	0.56	8.7
1935	99	228	38	0.84	0.59	36.1
1936	81	246	39	0.88	0.65	79.7
1937	71	214	80	1.02	0.73	114.4

In each of the three elements the range of the inequality for 1937 is greater than the average for the eleven-year period 1927 to 1937, whether all days, quiet days, or disturbed days, are used in deriving the ranges, with one exception, the Z disturbed days. The 1936 ranges are approximately average values, although the sunspot number, 79.7, is much larger than the mean sunspot number, 47.7, for this eleven-year period. These results are tabulated below, and with them are also given the mean range derived from the absolute maximum and minimum values on all days:

Year	Sunspot Number	Mean Range from 24 Hour Inequalities									Mean Range from Max. and Min.		
		D			H			Z			All days		
		a	q	d	a	q	d	a	q	d	D	H	Z
					γ	γ	γ	γ	γ	γ		γ	γ
1927	69.0	11′8	11′7	18′1							35′5		
1928	77.8	12.9	12.0	19.7	76	35	275				36.8	241	
1929	65.0	12.2	10.9	21.7	76	32	285				37.9	252	
1930	35.7	11.8	9.4	27.7	142	30	419				57.2	429	
1931	21.2	10.9	9.5	16.5	58	26	222				34.3	210	
1932	11.1	8.6	8.4	11.4	57	22	190	43	8	109	32.2	245	136
1933	5.7	9.7	8.6	13.3	40	24	148	59	20	130	30.1	216	189
1934	8.7	9.4	8.8	10.5	27	23	111	44	12	106	25.5	146	150
1935	36.1	9.7	9.6	13.7	47	27	176	53	13	124	29.1	195	172
1936	79.7	11.2	10.6	14.8	51	29	201	49	16	116	31.9	202	180
1937	114.4	12.4	11.2	18.0	74	34	238	53	25	101	40.2	294	224
Mean	47.7	11.0	10.1	16.9	65	28	226	50	16	114	35.5	243	175

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 127. Meanook. (H.) 12,000 γ + January, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	749	735	756	758	759	759	754	753	752	750	747	741	745	753	752	751	741	731	720	723	729	734	740	745	744
2	747	746	752	754	755	755	754	753	751	747	745	746	745	746	747	750	746	737	729	723	721	724	735	744	744
3 Q	748	751	755	757	757	757	754	753	753	751	751	751	750	751	751	754	747	741	727	717	711	718	729	744	744
4 Q	750	756	759	759	758	757	755	754	752	751	751	751	751	753	754	757	752	744	733	725	722	727	739	747	748
5	747	746	750	755	756	754	755	752	741	747	751	752	750	750	752	753	749	739	731	723	721	726	737	747	745
6 Q	754	757	759	759	759	759	757	755	755	755	753	747	755	754	753	756	748	746	739	737	735	739	747	757	751
7 Q	759	759	759	758	757	751	755	755	753	752	755	755	756	755	757	756	747	737	738	739	744	747	754	757	752
8 D	758	762	761	769	772	766	760	785	770	764	753	728	701	680	704	743	752	739	720	733	734	735	746	741	744
9	739	751	752	748	751	742	728	718	720	690	677	733	753	755	752	748	744	738	731	732	712	713	737	749	734
10	741	749	752	750	751	737	737	743	749	680	572	660	684	710	731	740	737	732	713	715	726	743	744	749	722
11	746	749	748	750	750	747	749	747	730	701	740	727	721	735	748	751	752	736	738	738	736	738	742	743	740
12	753	739	740	770	747	738	740	752	746	716	685	635	571	615	671	767	755	746	737	726	718	723	746	751	720
13	754	743	723	757	760	754	753	758	686	695	713	689	682	681	704	733	730	732	723	722	708	720	729	737	724
14	740	738	753	758	766	768	753	720	726	714	725	713	745	757	753	753	751	735	734	736	733	729	731	738	740
15	741	747	748	750	757	749	748	744	738	745	745	736	741	747	752	754	747	737	735	728	725	732	736	736	742
16 Q	742	751	751	749	748	746	745	745	742	737	746	750	753	750	747	753	746	739	732	729	730	737	740	737	744
17	749	752	747	745	738	741	745	743	740	735	747	747	746	748	750	751	744	739	731	729	731	733	736	739	742
18 D	753	756	757	741	739	755	757	739	755	728	521	622	598	619	737	753	754	698	656	702	744	742	751	740	713
19	746	758	761	755	763	764	768	764	760	740	743	744	741	720	699	744	747	744	729	706	721	728	736	744	742
20	752	745	746	748	749	745	745	745	752	745	745	739	739	747	745	739	745	745	745	733	721	701	712	739	740
21	752	740	756	758	760	754	755	755	751	751	751	750	749	747	729	741	748	747	741	740	731	718	732	738	746
22	734	761	766	758	763	766	757	749	744	726	674	674	695	751	754	755	750	752	735	726	728	728	725	748	738
23	767	783	762	771	779	781	767	785	751	766	751	749	748	751	751	752	750	742	736	733	733	733	738	743	755
24 D	751	759	761	760	757	748	756	749	748	740	734	751	753	751	751	750	746	718	653	647	677	759	775	816	742
25 D	792	729	731	745	856	788	768	735	725	604	677	669	568	616	628	722	745	737	723	725	728	731	735	735	717
26 D	725	752	776	775	764	749	687	661	701	687	544	646	703	714	706	629	720	743	738	734	740	715	727	737	711
27	753	753	749	756	749	751	753	750	740	737	737	726	741	722	728	741	738	724	719	717	727	731	729	731	738
28	738	760	755	748	750	755	676	743	743	741	738	737	722	730	737	737	735	728	728	721	711	719	731	737	734
29	742	751	752	749	748	750	748	748	743	739	743	744	744	746	747	744	730	722	731	717	711	723	725	725	738
30	731	758	758	758	763	761	749	740	729	717	669	657	685	736	733	725	740	731	729	736	719	715	721	735	728
31	756	753	755	751	751	749	748	752	698	727	745	743	732	738	744	740	734	733	724	721	701	720	718	741	736
Mean	748	751	753	755	759	754	748	746	740	728	714	720	718	726	734	743	744	736	726	724	723	728	736	744	738

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 128. Meanook. (D.) East. 25° +. . . ′ January, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	60.5	62.0	62.9	63.1	63.7	63.8	63.0	62.2	62.8	62.9	63.9	62.8	63.0	64.8	65.8	66.2	69.3	69.9	67.9	64.0	60.9	60.1	60.3	60.4	63.6
2	60.6	60.9	62.2	63.1	63.9	63.6	63.3	63.0	63.1	63.9	63.9	63.1	63.8	65.8	67.5	71.7	71.7	71.7	68.7	65.5	63.0	61.2	62.0	61.7	64.5
3 Q	61.2	61.0	61.8	62.9	63.7	63.9	64.1	64.0	63.8	63.9	64.4	64.4	63.7	64.6	65.4	67.2	69.8	71.9	71.2	67.8	64.9	62.9	61.8	61.2	64.6
4 Q	61.0	60.8	62.9	63.9	63.9	64.2	64.3	64.3	64.1	64.2	64.1	64.7	64.1	64.3	64.5	65.5	68.9	71.0	72.3	68.5	65.8	62.6	62.1	62.1	64.8
5	62.4	62.7	63.4	64.0	64.1	64.5	64.0	65.8	67.4	64.9	62.5	63.0	63.6	63.7	64.9	66.3	68.5	69.7	69.5	67.7	64.8	62.6	61.2	61.0	64.7
6 Q	61.1	61.7	63.0	63.0	63.0	63.0	63.0	63.0	62.8	62.8	63.8	62.7	64.3	64.6	65.2	65.9	66.7	66.6	65.8	65.2	62.5	59.9	59.7	59.7	63.3
7 Q	59.9	61.1	62.3	62.9	62.0	61.8	62.2	61.2	61.5	61.8	62.3	62.7	63.2	63.8	64.8	66.3	68.8	69.1	68.2	66.8	65.5	63.5	62.9	63.4	63.7
8 D	63.7	64.6	65.7	65.2	64.4	63.7	64.8	71.6	65.0	64.0	66.7	66.5	72.8	67.3	67.6	69.5	67.5	64.4	60.6	60.7	58.8	60.0	61.5	61.6	64.9
9	63.6	63.9	63.9	67.8	65.1	63.7	64.2	70.8	62.5	67.9	68.2	72.1	67.6	65.5	65.7	65.7	65.7	62.6	61.3	61.2	56.8	54.8	59.3	62.9	64.3
10	63.5	64.5	69.5	69.6	69.3	71.2	71.3	70.3	67.8	64.8	74.9	79.0	71.5	72.9	71.6	71.0	68.7	65.6	64.6	62.9	62.4	62.9	63.6	65.5	68.3
11	66.5	67.3	67.8	68.3	66.8	66.7	66.6	66.4	71.0	69.4	69.7	69.4	64.6	66.7	67.8	69.6	69.5	65.5	66.0	65.1	63.6	63.4	64.1	65.3	67.0
12	64.9	66.0	66.9	76.4	67.6	66.8	75.7	67.9	64.6	66.2	57.5	69.8	78.9	84.8	66.3	72.5	69.2	68.2	64.5	64.3	63.4	60.7	61.7	63.9	67.9
13	65.1	65.3	69.5	68.6	66.7	65.5	66.3	69.2	58.7	61.4	66.5	64.7	72.6	66.6	66.4	67.9	70.2	67.6	65.3	62.0	60.6	58.6	62.5	64.5	65.5
14	63.4	63.5	67.1	66.6	66.0	66.1	61.0	62.3	65.3	55.1	64.5	69.1	66.2	66.0	68.1	68.6	69.2	66.3	63.5	63.2	62.6	62.8	62.9	62.9	64.7
15	63.3	64.7	65.9	66.4	77.0	66.3	66.0	66.2	68.3	61.1	63.4	65.2	63.2	66.0	67.1	69.0	69.0	67.2	65.6	63.2	63.1	62.6	63.3	63.9	65.7
16 Q	65.1	65.2	65.4	66.0	65.9	65.4	66.0	65.6	65.1	61.3	64.5	65.5	65.7	65.4	65.0	68.3	69.2	67.9	67.1	65.7	64.7	62.8	62.2	62.9	65.3
17	63.3	64.6	65.4	66.4	66.7	65.9	66.2	66.8	66.2	62.7	64.5	65.2	65.0	65.2	66.4	67.5	69.3	69.5	68.9	67.9	66.3	65.1	64.5	63.9	66.0
18 D	63.1	63.7	62.6	66.0	69.9	64.0	65.0	62.6	62.3	67.8	70.4	86.7	72.5	72.8	72.1	73.3	70.8	59.5	51.9	55.6	60.3	62.8	58.9	60.8	65.6
19	62.7	62.2	63.4	65.5	64.1	64.1	64.7	63.7	66.3	66.4	66.7	67.7	67.3	66.8	64.0	66.8	71.2	65.3	65.7	62.9	61.3	61.4	63.1	63.5	64.9
20	63.4	63.2	64.5	64.9	65.2	65.1	65.7	68.7	67.6	66.3	65.4	66.4	65.2	66.3	67.2	67.7	69.3	69.1	65.0	63.4	62.6	56.3	58.0	59.6	64.8
21	60.4	62.4	63.2	64.8	61.9	64.8	65.3	64.3	65.1	65.0	65.0	64.9	65.3	66.4	66.1	67.1	71.1	70.0	66.8	64.6	62.4	58.9	60.9	61.2	64.5
22	61.4	59.0	59.4	58.6	61.7	63.8	64.7	66.2	65.6	72.2	73.6	76.0	76.4	72.5	70.3	71.1	71.6	68.4	66.4	61.5	59.8	59.5	61.6	58.4	65.8
23	55.8	57.1	60.1	60.3	64.7	66.7	63.1	73.0	61.7	67.3	65.0	65.9	66.7	66.5	67.0	68.1	69.2	68.4	67.3	66.4	66.0	64.9	63.3	62.7	64.9
24 D	61.7	59.6	57.9	65.6	65.5	65.9	64.2	65.1	66.7	69.5	71.1	71.4	68.4	69.3	68.2	69.3	70.4	71.9	60.7	63.6	54.0	57.7	60.3	61.2	65.0
25 D	56.0	62.7	64.9	68.2	88.5	62.4	58.8	65.7	67.9	72.8	76.0	79.4	75.8	71.7	76.3	79.7	73.4	69.5	67.6	66.2	64.6	65.0	65.0	61.7	69.2
26 D	61.0	61.7	61.3	60.7	64.1	66.0	65.1	66.2	69.6	67.1	61.3	79.2	66.5	67.9	70.3	68.9	67.1	69.5	68.1	67.0	65.8	63.6	62.2	63.3	66.0
27	63.7	65.4	67.2	64.8	64.7	69.2	69.9	63.8	65.7	66.1	65.4	66.3	66.6	73.6	72.8	75.7	74.5	71.7	70.0	67.1	64.5	63.5	62.7	64.2	67.5
28	63.4	64.4	63.8	75.6	66.4	66.3	81.7	67.0	64.4	65.6	65.7	67.2	69.1	65.2	69.7	71.3	71.6	71.1	68.5	67.3	64.5	63.2	63.7	64.0	67.5
29	64.6	65.0	65.3	66.4	66.4	65.7	65.4	66.5	67.5	65.1	66.7	68.0	67.5	67.2	68.0	70.7	73.6	69.1	66.3	64.6	66.1	64.3	63.4	63.0	66.5
30	64.8	62.0	63.6	64.8	64.8	65.7	71.2	67.0	64.1	68.0	64.9	76.5	77.1	70.2	68.3	70.5	71.9	68.5	67.3	66.5	64.9	61.1	61.2	61.8	66.9
31	65.2	61.0	64.9	66.1	67.0	67.0	67.2	68.2	65.4	67.9	68.4	68.4	66.3	67.5	70.0	72.1	73.2	71.8	69.8	67.9	67.2	63.3	64.4	63.9	67.2
Mean	62.5	62.9	64.1	65.7	66.3	65.2	65.9	66.1	65.2	65.3	66.2	68.8	67.9	67.8	67.8	69.4	70.0	68.3	66.2	64.7	63.0	61.7	62.1	62.4	65.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 129. Meanook. (Z). 59,000 γ + January, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	331	330	331	324	315	310	309	308	308	308	305	292	287	307	303	308	310	310	308	307	307	307	306	305	310
2	304	311	317	330	327	326	324	321	316	317	326	326	320	326	346	368	412	415	381	345	314	299	304	299	332
3 Q	298	294	356	354	353	353	351	350	346	346	346	343	343	345	347	350	351	355	355	353	349	350	350	349	345
4 Q	346	345	345	340	337	335	333	331	329	329	329	328	328	327	328	331	334	334	334	335	331	331	331	329	333
5	325	324	325	325	324	324	323	317	318	327	324	318	317	318	318	320	320	319	320	321	319	318	317	314	321
6 Q	315	314	316	316	316	315	314	312	312	312	309	300	300	307	312	311	309	309	313	319	315	314	313	312	312
7 Q	311	310	313	313	311	311	311	310	308	307	307	305	304	304	304	305	307	307	308	309	309	307	304	302	308
8 D	300	300	301	300	298	301	315	337	293	315	300	260	171	179	188	239	262	285	294	301	304	308	309	313	282
9	316	319	329	331	319	312	304	259	216	230	202	264	309	307	306	302	302	293	302	307	309	322	332	332	297
10	321	321	331	328	326	341	331	314	316	251	122	142	225	205	291	311	309	311	335	349	328	335	335	336	296
11	329	330	335	334	329	327	328	323	294	244	298	305	294	310	311	324	327	324	330	329	329	331	329	329	318
12	335	338	344	365	346	331	323	336	334	300	231	151	172	196	300	309	313	324	332	342	354	345	350	345	309
13	343	347	369	373	353	337	357	339	252	281	298	280	243	283	312	326	335	329	337	348	347	346	348	347	326
14	346	351	364	361	352	342	312	297	279	232	281	284	315	333	331	337	329	325	325	326	331	337	340	342	324
15	342	342	342	342	342	342	338	319	276	308	329	328	328	326	332	334	335	335	336	335	338	339	339	338	332
16 Q	337	337	337	336	332	332	333	333	329	286	319	329	330	331	330	331	331	331	333	336	337	339	338	338	331
17	339	342	345	348	367	366	348	340	340	317	336	337	336	336	337	339	339	339	340	340	340	340	341	340	341
18 D	336	334	337	352	388	403	388	360	357	329	178	197	237	227	290	324	324	300	299	318	333	338	351	346	318
19	346	353	360	355	365	371	369	362	343	332	343	334	328	322	283	324	285	298	298	301	309	307	310	309	329
20	313	339	346	344	343	343	345	343	320	316	337	332	328	332	336	335	335	329	327	331	330	346	352	358	336
21	355	351	357	359	366	366	359	357	351	350	347	345	344	340	327	327	327	329	331	335	338	342	350	361	346
22	374	387	390	414	417	399	392	376	364	337	311	278	249	321	333	341	337	332	336	340	337	342	349	364	351
23	376	386	378	412	416	387	376	367	282	372	361	354	350	350	345	346	346	345	344	343	344	344	346	348	359
24 D	348	374	384	357	352	351	354	350	349	336	311	325	334	331	335	336	338	338	324	321	325	387	420	408	350
25 D	422	378	369	374	386	394	389	374	346	311	302	340	277	233	183	296	361	351	353	354	354	355	353	358	342
26 D	360	424	394	390	400	374	286	284	328	318	241	236	321	315	311	250	310	329	335	341	348	367	355	346	332
27	354	345	350	358	364	352	351	350	339	334	333	321	324	297	318	325	335	338	340	340	341	343	348	353	340
28	349	349	373	380	382	377	306	352	346	342	343	339	321	329	326	324	326	327	329	331	334	336	338	338	342
29	339	339	341	341	337	336	342	344	345	343	343	340	338	338	338	339	337	333	341	339	340	339	349	352	340
30	354	352	355	355	353	371	371	353	319	303	272	219	234	307	322	318	320	326	329	341	338	342	354	359	328
31	354	345	338	337	335	335	335	328	288	291	319	322	317	319	325	324	325	331	340	343	343	344	348	358	331
Mean	339	342	347	350	350	347	339	334	318	310	300	296	298	303	312	321	327	327	329	332	332	335	339	340	328

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 130. Meanook — January, 1936.

Day	Horizontal Force						Declination						Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	4	56	763	18	39	716	47	17	32	71.4	21	28	58.9	12.5	1	49	341	12	4	275	66	452	1
2	4	38	759	19	41	715	44	16	58	74.1	21	45	60.5	13.6	17	56	439	21	42	287	152	952	1
3 Q	1	53	761	20	31	708	53	17	12	72.7	1	0	60.7	12.0	18	45	357	1	36	293	64	447	0
4 Q	0	25	760	20	27	716	44	18	5	74.2	0	57	60.1	14.1	2	35	346	13	8	324	22	150	0
5	7	49	765	8	25	714	51	7	48	75.3	8	12	60.2	15.1	8	39	336	8	11	297	39	309	1
6 Q	4	35	761	20	40	733	28	18	10	70.4	21	59	58.6	11.8	19	28	322	11	46	294	28	209	0
7 Q	1	33	760	18	8	735	25	17	58	71.9	0	0	59.7	12.2	1	45	313	12	44	302	11	103	0
8 D	7	56	810	12	59	638	172	13	4	80.8	13	45	55.0	25.8	7	35	358	13	0	110	248	1685	1
9	8	2	767	9	48	641	126	7	57	82.5	20	58	52.3	30.2	23	45	342	8	8	135	207	1390	1
10	14	51	791	10	36	453	338	11	35	85.1	19	40	58.7	26.4	19	26	367	10	35	47	320	2205	1
11	15	22	766	9	16	686	80	8	50	78.1	9	15	59.7	18.4	2	4	341	9	12	206	135	904	1
12	3	29	800	12	29	492	308	13	40	100.1	10	42	50.8	49.3	3	23	392	12	27	111	281	2066	1
13	6	58	775	13	36	586	189	12	50	76.6	8	41	52.0	24.6	3	35	381	12	49	202	179	1291	1
14	5	11	784	7	54	687	97	11	8	74.6	8	12	47.5	27.1	2	13	387	9	14	196	191	1270	1
15	8	47	776	8	29	711	65	4	27	84.7	9	25	59.6	25.1	4	5	366	8	24	233	133	879	1
16 Q	9	12	757	9	38	725	32	16	59	71.1	9	29	57.6	13.5	21	38	341	9	27	254	87	564	1
17	1	30	756	20	9	724	32	18	30	71.0	9	21	60.6	10.4	4	59	377	9	37	296	81	510	0
18 D	8	23	851	10	31	273	578	11	45	90.7	18	7	47.0	43.7	5	6	420	10	31	43	377	2978	1
19	7	58	812	14	24	673	139	7	57	75.7	7	42	56.1	19.6	7	50	404	14	28	261	143	979	1
20	8	29	769	21	33	692	77	8	26	75.8	21	52	54.3	21.5	23	43	378	8	36	294	84	597	1
21	3	57	767	21	23	704	63	16	32	72.3	21	35	56.9	15.4	5	11	371	14	54	306	65	485	1
22	5	45	780	10	58	619	161	11	19	82.4	3	7	47.5	34.9	4	18	434	11	54	207	227	1557	1
23	7	49	833	8	38	699	134	7	57	94.2	8	24	44.1	50.1	3	57	436	8	16	206	230	1537	1
24 D	23	38	849	18	57	631	218	16	52	79.2	20	50	47.2	32.0	22	33	461	10	8	294	167	1269	1
25 D	4	30	912	12	15	500	412	4	35	107.1	5	26	31.8	75.3	5	6	456	14	13	133	323	2422	2
26 D	6	28	794	9	58	318	476	11	51	96.6	9	54	36.4	60.2	1	20	433	10	10	104	329	2565	1
27	6	33	765	14	4	705	60	15	37	79.3	4	37	60.6	18.7	4	0	374	13	23	277	97	664	1
28	5	53	783	6	31	624	159	6	18	93.3	2	42	56.8	36.5	2	55	452	6	30	223	229	1557	1
29	4	46	753	17	48	700	53	16	32	75.8	21	28	60.3	15.5	24	0	366	17	15	328	38	293	0
30	4	19	771	12	9	616	155	11	32	81.7	22	32	59.4	22.3	6	23	388	12	12	189	199	1374	1
31	6	24	771	8	38	646	125	8	58	75.3	8	35	55.3	20.0	23	45	361	8	38	211	150	1032	1
Mean			784			638	146			80.5			54.4	26.1			382			224	158	1120	0.84
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 131. Meanook. (H.) 12,000 γ + February, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	733	756	751	751	746	748	748	748	747	747	744	744	738	730	738	747	746	741	736	734	731	733	732	731	742
2	743	755	755	755	755	755	753	750	742	749	744	747	745	750	750	739	740	732	716	716	734	725	736	726	742
3	752	766	767	762	784	826	778	765	750	723	720	751	742	747	752	743	737	731	721	728	739	743	737	735	750
4	742	752	745	744	747	754	749	717	582	666	715	732	741	755	751	750	743	738	731	730	733	739	741	744	730
5 Q	741	748	743	742	741	745	757	746	734	734	752	742	734	720	740	749	739	738	739	740	740	740	740	735	740
6	735	740	740	740	740	740	737	732	731	740	749	751	753	753	758	756	741	735	730	732	732	740	741	741	741
7 Q	744	752	753	752	750	739	731	746	750	745	751	751	752	755	751	751	743	731	729	730	738	742	740	739	744
8	739	745	749	752	752	753	749	754	750	749	743	749	752	754	755	754	749	742	731	726	728	721	727	735	744
9	745	745	742	745	751	749	741	740	727	722	743	736	678	713	760	759	746	724	736	734	728	736	746	749	737
10	751	762	760	762	751	762	756	721	719	649	693	703	738	755	743	727	702	705	716	710	714	715	712	739	728
11	739	744	750	749	744	757	751	744	735	705	699	741	738	722	736	737	733	725	726	730	733	736	733	736	735
12	744	749	751	749	745	745	746	745	735	745	739	741	706	726	747	747	738	729	725	725	727	732	740	746	738
13 Q	750	758	758	756	755	746	744	744	750	753	750	752	748	753	754	753	745	736	732	734	736	745	746	747	748
14	744	747	751	750	747	746	749	744	745	729	671	753	767	765	747	711	708	733	731	724	721	722	720	739	736
15	745	752	771	763	758	753	747	745	741	735	731	716	708	704	738	708	717	731	726	728	734	727	734	735	735
16 D	743	752	746	741	736	734	726	707	710	687	647	513	719	697	671	640	698	708	701	734	737	723	750	764	708
17 D	770	777	806	823	868	824	793	776	759	756	645	576	619	604	657	560	611	624	683	772	741	757	763	747	721
18	756	751	750	755	751	748	753	756	743	737	719	711	714	697	719	734	720	710	723	723	727	734	734	739	734
19 D	743	742	737	752	752	752	753	669	670	726	627	548	675	721	669	654	625	671	682	678	737	783	711	727	700
20	739	788	746	744	743	740	739	738	728	732	743	740	738	735	725	711	726	721	706	708	715	743	732	729	734
21 D	737	734	751	757	761	766	730	757	745	710	602	602	608	529	647	732	721	686	697	733	721	704	733	747	704
22 D	762	779	773	792	812	767	736	699	658	626	686	713	686	668	583	674	746	736	727	723	724	727	730	736	719
23	741	741	748	741	746	749	752	746	738	710	715	722	725	616	676	688	685	714	715	696	690	734	740	726	718
24	734	760	756	756	747	745	741	740	739	737	736	704	685	743	741	726	714	718	718	720	725	730	727	729	732
25	733	748	746	748	749	750	748	748	747	745	745	747	745	665	701	732	716	712	695	681	686	688	716	743	726
26	744	733	753	768	768	761	769	760	757	738	613	686	716	639	611	697	696	674	702	694	664	727	749	734	714
27	767	800	786	759	753	759	738	735	722	721	739	731	639	659	712	696	714	705	703	713	712	717	721	731	726
28 Q	735	745	745	750	749	748	749	748	748	746	743	744	746	741	743	733	731	722	712	717	717	729	729	735	738
29	738	744	750	751	752	752	752	750	746	722	725	755	750	752	745	743	740	727	709	712	728	736	735	718	738
30																									
31																									
Mean	744	754	754	755	757	756	749	740	729	724	711	710	717	709	718	719	720	717	717	722	724	732	734	737	731

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 132. Meanook. (D.) East 25°+ . . . ' February, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	64.2	64.7	65.1	66.4	68.7	65.3	67.1	67.0	66.5	68.0	68.4	68.0	69.9	66.9	69.1	73.1	72.9	71.4	69.7	67.0	66.0	63.9	63.7	65.2	67.4
2	65.3	64.6	65.0	65.9	66.3	67.3	66.9	66.9	65.3	68.3	68.0	68.4	67.7	70.2	69.9	72.7	70.1	70.6	69.5	61.9	60.2	64.9	61.8	63.2	66.7
3	62.9	60.8	61.2	60.4	60.8	69.0	65.2	64.2	69.1	64.7	62.6	72.1	72.2	71.7	70.1	69.7	70.6	66.9	62.3	62.2	62.8	62.5	65.6	67.9	65.7
4	67.9	66.2	66.2	65.9	70.2	66.6	66.8	79.9	71.8	77.4	72.9	73.4	70.7	72.0	70.6	69.1	68.2	64.5	64.1	64.1	64.9	65.5	65.9	66.5	68.8
5 Q	66.5	66.7	67.1	66.7	66.2	67.5	64.2	59.1	62.8	68.1	67.7	68.8	67.9	65.8	68.3	70.2	69.7	67.8	66.7	66.0	64.8	64.1	64.8	66.1	66.4
6	66.0	66.7	66.9	67.3	67.8	68.4	68.0	68.1	69.6	65.1	67.7	67.9	68.4	67.1	67.4	69.6	71.3	68.8	67.1	65.2	64.6	65.0	66.2	66.6	67.4
7 Q	67.2	67.3	67.3	67.3	67.1	66.9	66.0	64.0	67.7	67.7	67.9	68.4	68.1	68.7	68.9	69.2	69.1	69.0	65.7	63.7	64.1	64.3	66.2	66.3	67.0
8	66.2	66.7	67.1	67.9	67.2	66.8	65.8	66.7	65.9	66.5	67.0	67.7	69.5	69.5	69.0	69.6	69.8	70.8	67.8	64.8	64.7	66.0	66.3	66.7	67.3
9	66.8	67.6	67.7	70.8	81.2	69.8	66.5	66.1	66.5	68.7	68.9	68.4	70.7	76.5	77.3	74.4	69.4	66.9	65.9	64.8	64.2	62.2	62.2	64.2	68.6
10	69.5	68.6	67.1	71.5	69.2	70.7	68.1	61.1	65.7	68.6	63.6	72.7	78.0	69.0	67.9	68.7	68.6	64.0	62.9	62.4	61.0	62.5	65.2	65.3	67.2
11	64.5	68.5	68.4	68.3	70.3	90.6	66.5	66.2	65.8	64.3	63.1	66.5	71.3	69.2	68.6	68.9	71.7	68.4	65.9	65.2	65.2	65.5	66.2	67.6	68.2
12	66.7	66.9	67.1	67.5	68.9	68.2	67.0	66.7	65.0	63.0	64.9	66.0	65.3	65.1	69.3	71.9	71.6	70.5	67.8	66.0	65.0	64.6	64.8	65.8	66.9
13 Q	65.3	65.9	66.5	66.9	67.0	67.8	71.5	67.0	63.0	65.4	66.1	67.1	66.9	67.1	70.7	71.3	71.7	70.5	67.8	64.5	62.3	62.7	64.2	65.1	66.8
14	65.4	65.6	66.2	66.8	67.0	71.4	66.3	64.7	65.4	65.6	58.2	74.3	70.1	71.4	69.6	71.5	73.3	78.0	62.1	64.1	62.6	62.1	62.3	61.7	66.9
15	62.3	63.2	58.2	58.4	65.7	66.6	66.6	65.8	65.4	65.2	67.6	68.9	72.0	66.0	65.8	70.7	60.9	62.9	62.1	62.4	62.8	62.3	60.6	62.1	64.4
16 D	62.3	66.8	66.5	67.0	68.4	69.0	69.5	65.8	73.2	71.6	71.3	59.4	81.4	79.5	77.5	71.9	73.3	66.0	58.2	61.2	61.5	55.8	61.2	64.0	67.6
17 D	59.3	59.8	56.9	58.3	62.5	66.5	62.5	65.0	66.8	65.0	68.9	74.7	84.0	82.3	77.4	61.3	61.9	70.5	66.6	61.5	58.0	60.9	60.4	63.2	65.6
18	64.3	62.6	64.9	64.5	63.9	64.9	64.1	61.7	62.8	65.6	65.6	65.5	67.8	66.9	69.0	72.4	68.4	60.9	56.4	56.6	58.9	60.8	63.9	64.5	64.0
19 D	63.9	62.2	64.2	63.3	64.1	64.9	65.4	65.8	66.7	73.8	71.5	61.2	73.2	73.1	69.7	65.2	56.4	56.0	58.6	61.0	59.3	59.7	57.9	60.0	64.0
20	61.4	64.6	62.9	64.0	63.6	64.5	64.6	64.8	64.8	64.3	65.7	65.9	66.2	66.5	68.0	68.7	68.6	66.0	62.9	62.2	59.1	59.1	59.7	61.4	64.1
21 D	61.2	63.9	63.4	62.0	61.5	66.6	64.4	62.6	64.5	67.5	72.1	64.9	71.4	79.2	85.9	81.0	75.3	72.5	62.2	57.9	60.0	58.1	59.0	58.8	66.5
22 D	58.1	62.2	60.0	57.6	70.8	67.7	63.5	63.9	68.8	71.5	69.3	66.5	68.7	70.4	61.2	53.4	72.3	72.2	66.5	64.5	62.2	62.3	62.7	62.7	64.9
23	63.4	63.3	64.1	63.9	64.8	65.7	70.4	66.7	66.3	64.8	64.8	68.7	68.5	67.2	64.1	64.4	59.0	59.9	61.0	62.8	54.7	56.8	59.3	59.1	63.5
24	60.1	60.2	61.3	62.1	67.2	66.7	65.3	64.9	64.0	64.7	65.8	65.2	65.7	68.4	68.9	70.8	70.8	66.9	65.2	61.7	61.8	61.2	62.8	61.8	64.7
25	62.9	62.4	65.9	63.4	64.5	64.9	64.8	65.0	65.2	66.3	66.6	65.6	65.9	63.9	66.7	77.4	71.5	69.0	67.1	63.9	60.0	58.1	61.0	61.3	65.1
26	58.7	61.7	63.0	60.1	56.9	65.6	66.3	64.7	65.9	64.3	58.9	68.4	77.3	75.3	68.7	74.5	70.7	66.8	58.8	61.8	57.0	54.0	58.2	59.9	64.1
27	59.0	54.3	56.3	62.8	64.8	68.7	71.6	68.5	65.9	72.2	64.4	68.4	68.2	66.4	68.2	67.8	72.1	72.3	66.1	66.4	65.5	63.0	62.3	60.6	65.6
28 Q	63.0	64.0	64.0	63.9	64.2	66.8	65.4	64.8	64.9	65.9	66.1	65.9	66.4	66.6	67.8	69.6	72.1	71.5	67.6	64.5	62.9	62.6	62.3	62.8	65.6
29	62.9	63.0	62.9	63.1	63.6	64.3	64.5	64.7	64.8	65.2	70.3	70.1	70.5	69.1	68.1	70.7	69.5	71.3	69.7	63.0	61.1	60.6	59.0	60.4	65.5
30																									
31																									
Mean	63.7	64.2	64.2	64.6	66.4	67.9	66.4	65.6	66.2	67.2	66.8	67.9	70.5	70.0	69.8	70.0	69.3	68.0	64.6	63.2	62.0	61.8	62.6	63.5	66.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 133. Meanook. (Z). 59,000 γ + February, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	346	349	351	351	357	356	354	351	344	342	341	339	331	328	327	331	331	335	338	340	342	345	344	340	342
2	344	346	346	347	346	345	345	346	334	352	350	350	328	329	337	330	328	317	318	318	340	346	356	360	340
3	368	368	370	373	395	427	375	406	374	342	266	343	341	341	343	342	342	346	345	342	341	345	341	341	355
4	341	346	345	349	359	348	347	307	115	179	241	294	315	329	337	326	324	334	339	342	342	343	342	342	316
5 Q	342	343	344	344	346	363	364	325	345	332	350	345	332	312	327	337	341	339	341	343	341	340	340	341	341
6	341	341	344	345	346	348	340	319	318	318	330	336	331	332	334	335	337	337	336	336	336	335	335	336	335
7 Q	335	335	336	336	336	336	326	273	326	327	335	335	332	332	331	332	332	333	334	335	338	341	340	336	331
8	337	334	334	334	333	333	333	334	333	326	314	326	332	332	332	332	333	333	330	331	334	335	335	336	332
9	337	337	337	344	360	354	342	326	295	358	346	316	221	237	275	296	314	323	326	332	338	341	344	344	323
10	370	370	387	366	342	349	330	273	303	264	232	266	276	322	316	297	309	318	325	333	345	349	360	363	324
11	370	353	344	342	344	338	330	335	329	284	251	292	309	319	341	335	329	329	332	336	342	343	342	341	330
12	339	336	331	330	330	330	330	329	306	310	316	321	313	306	319	326	320	320	326	331	335	332	329	328	325
13 Q	327	322	321	320	320	321	327	322	309	317	320	321	317	316	314	320	324	325	324	325	323	324	321	323	321
14	321	319	317	317	317	317	316	315	314	300	222	265	319	315	305	304	264	284	297	315	322	332	323	328	306
15	332	339	358	372	331	322	321	327	325	311	308	281	275	294	305	288	273	284	301	311	322	327	334	339	316
16 D	356	348	335	333	331	328	323	291	269	246	202	-86	78	202	230	233	266	258	270	300	312	314	325	324	266
17 D	330	372	381	377	383	396	352	357	274	304	298	207	212	197	191	142	170	201	283	382	342	334	350	341	299
18	349	356	350	327	328	329	328	306	306	319	306	292	293	281	277	284	288	295	293	308	313	318	322	322	312
19 D	322	328	333	347	346	328	327	237	225	246	258	128	173	263	249	232	250	241	292	334	365	383	359	351	288
20	341	394	341	323	318	314	313	313	307	294	314	314	310	309	312	311	313	318	316	323	320	334	329	326	321
21 D	329	329	327	323	346	349	187	301	312	289	185	270	215	117	148	242	263	281	307	324	333	323	325	334	282
22 D	289	395	342	366	383	366	334	307	215	174	275	305	300	307	247	249	315	315	311	312	327	337	351	340	311
23	334	334	332	333	332	321	314	306	311	298	275	272	289	227	231	239	240	255	272	311	319	326	334	338	298
24	349	379	390	383	366	356	353	348	344	343	341	327	252	313	342	349	343	340	339	344	353	364	365	362	348
25	358	358	365	356	350	349	349	350	346	347	345	347	340	287	231	310	335	332	337	342	351	357	349	351	339
26	363	369	368	389	437	390	369	374	370	355	223	204	281	272	208	246	259	294	293	333	352	387	387	389	330
27	418	413	417	377	353	349	307	350	335	311	319	322	289	265	300	290	331	340	341	339	342	352	364	374	342
28 Q	366	357	353	354	355	353	347	345	343	341	332	330	337	337	342	341	342	345	343	343	343	343	345	346	345
29	345	347	343	343	343	343	343	345	346	323	268	323	327	332	332	321	331	333	330	333	339	343	356	356	335
30																									
31																									
Mean	345	352	350	348	349	347	332	325	309	305	292	286	288	291	292	297	305	310	318	331	336	341	343	343	322

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 134. Meanook — February, 1936.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H + ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 Q	1	24	760	13	33	722	38	15	35	73.9	21	8	62.9	11.0	4	22	364	13	34	323	41	291	0
2	8	17	760	18	59	696	64	15	45	75.8	20	6	58.1	17.7	22	47	372	8	44	305	67	481	1
3	5	32	899	10	6	656	243	5	43	91.0	10	6	49.1	41.9	5	32	450	10	13	200	250	1793	1
4	7	13	795	8	39	491	304	7	37	95.4	17	41	61.5	33.9	4	21	368	8	29	26	342	2415	1
5 Q	6	51	795	8	27	699	96	14	54	73.6	7	27	50.9	22.7	6	0	377	7	13	279	98	704	1
6	14	26	762	17	37	726	36	8	12	72.9	9	18	62.9	10.0	5	58	350	7	54	299	51	349	1
7 Q	7	26	759	17	44	729	30	16	50	71.2	6	56	56.6	14.6	21	40	344	7	23	237	107	673	1
8	7	37	761	21	43	719	42	17	20	71.7	20	38	63.8	7.9	22	44	339	10	43	305	34	254	0
9	3	58	801	13	6	654	147	4	13	98.9	22	6	60.4	38.5	4	3	415	12	49	175	240	1610	1
10	6	1	802	9	57	598	204	11	52	87.0	7	6	47.6	39.4	2	33	407	10	9	175	232	1635	1
11	5	49	772	10	34	677	95	5	18	98.3	9	51	59.1	39.2	0	57	371	9	58	224	147	994	1
12	8	3	759	12	42	685	74	15	23	72.4	8	22	60.3	12.1	0	5	341	13	11	284	57	433	1
13 Q	2	23	760	18	34	727	33	6	18	76.1	8	4	55.2	20.9	7	25	328	8	10	278	50	338	1
14	13	28	776	9	59	639	137	15	34	83.3	10	25	48.7	34.6	21	35	336	10	53	195	141	1010	1
15	2	58	782	13	47	674	108	14	33	73.3	3	22	51.3	22.0	2	56	391	16	42	261	130	909	1
16 D	13	30	818	11	13	383	435	15	14	86.8	11	32	38.7	48.1	0	39	372	11	28	-174	546	3788	1
17 D	4	19	932	12	54	487	445	12	27	93.5	15	36	44.8	48.7	5	34	448	15	43	94	354	2664	1
18	7	28	781	13	14	684	97	15	27	73.6	7	48	49.6	24.0	2	14	366	7	40	262	104	741	1
19 D	21	14	848	11	12	364	484	7	14	90.2	7	37	44.9	45.3	21	4	418	11	28	67	351	2696	1
20	1	18	816	18	42	701	115	1	47	74.6	20	55	56.4	18.2	1	26	433	9	4	278	155	1064	1
21 D	6	57	841	11	0	473	368	5	57	104.0	6	37	33.2	70.8	5	28	396	13	55	73	323	2382	2
22 D	4	13	874	14	6	479	395	9	13	91.8	15	29	47.8	44.0	1	26	442	9	4	108	334	2483	1
23	5	52	760	13	43	549	211	6	35	75.4	20	54	52.8	22.6	24	0	355	13	58	154	201	1459	1
24	2	6	770	12	8	647	123	16	0	73.4	23	13	60.0	13.4	2	34	401	12	24	226	175	1196	1
25	1	40	757	13	44	620	137	15	41	70.0	13	51	55.4	14.6	23	55	372	14	4	181	191	1306	1
26	6	32	803	10	29	508	295	13	7	81.7	20	58	49.0	32.7	4	43	467	10	44	126	341	2396	1
27	1	0	850	12	50	553	297	6	16	87.0	2	20	49.2	37.8	2	30	437	13	3	214	223	1700	1
28 Q	4	2	754	18	18	708	46	16	5	73.5	22	28	60.4	13.1	4	15	367	11	23	323	44	318	0
29	11	8	768	10	1	677	91	17	45	73.7	22	57	56.8	16.9	23	0	364	10	15	232	132	899	1
30																							
31																							
Mean			797			618	179			81.5			53.3	28.2			386			198	188	1344	0.90
No. days			29			29	29			29			29	29			29			29	29	29	29

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 135. Meanook. (H.) 12,000 γ + March, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	741	744	750	756	756	751	754	746	643	699	758	755	756	757	754	750	748	737	728	727	726	727	729	738	738
2	744	753	755	756	756	752	756	756	756	757	759	758	756	751	749	750	747	743	732	723	722	724	728	728	746
3 Q	730	740	751	751	752	751	751	751	752	753	753	757	758	758	755	752	743	727	718	718	722	733	744	744	744
4 Q	744	750	756	755	756	756	755	756	757	758	758	759	758	757	756	753	743	727	714	713	719	726	733	748	746
5	753	744	743	750	751	753	753	752	751	754	750	756	763	759	756	750	748	726	713	709	710	722	726	735	742
6	744	751	754	754	753	752	750	754	755	751	751	754	752	756	758	754	751	737	729	718	716	727	714	716	744
7 Q	741	745	747	747	748	750	752	752	752	751	750	751	749	740	751	751	743	727	710	703	704	709	723	733	738
8	741	744	749	749	746	750	753	751	752	755	741	720	741	760	759	704	741	744	723	708	713	720	717	727	738
9	739	742	742	742	746	746	749	749	750	749	747	727	642	695	732	745	747	745	724	708	716	719	727	735	732
10	739	748	749	745	744	745	755	746	738	675	674	702	733	757	761	758	746	732	721	718	722	732	737	740	734
11 Q	742	745	746	749	750	750	750	751	752	752	753	754	757	757	759	761	754	735	713	705	708	718	727	735	742
12 Q	744	752	755	755	754	752	751	751	751	755	750	755	755	756	752	757	761	734	719	714	715	719	724	729	744
13	736	747	748	749	749	748	746	743	736	752	753	752	757	760	762	761	758	744	733	719	714	718	725	733	743
14	739	743	748	752	749	750	748	752	748	745	753	757	753	753	753	752	747	728	731	732	725	717	723	729	742
15	734	731	743	754	745	746	745	725	713	755	751	747	744	747	743	740	731	720	717	724	726	723	723	720	735
16	728	740	741	750	752	751	752	750	749	748	748	748	747	739	729	739	736	720	714	712	716	719	721	731	736
17	737	751	756	743	751	758	754	751	747	741	744	746	743	742	743	742	736	726	714	719	718	712	737	724	738
18	743	752	747	744	742	745	749	724	658	747	738	678	705	750	738	736	730	723	689	686	702	731	747	745	727
19	773	763	757	754	755	748	746	713	689	744	748	737	693	724	742	755	743	726	711	699	702	707	716	730	732
20 D	723	742	756	779	789	770	670	712	686	660	745	722	552	633	745	725	714	713	723	721	724	726	713	745	716
21 D	802	856	935	879	902	857	648	574	649	577	386	526	596	708	704	741	718	707	699	705	715	725	754	789	714
22	785	837	770	743	744	742	733	731	733	734	731	717	609	648	742	751	746	722	686	683	691	697	712	726	726
23 D	732	751	752	794	887	616	710	521	505	666	613	516	731	744	736	702	652	645	667	702	715	709	710	742	688
24 D	726	758	771	814	769	751	595	667	725	668	732	730	702	551	547	746	760	737	712	696	724	770	773	813	618
25 D	790	780	862	739	724	724	732	744	720	689	689	604	673	641	732	754	749	730	714	700	702	727	787	776	728
26	770	852	816	760	750	761	763	759	726	719	717	745	738	744	758	750	738	723	712	710	706	712	715	697	743
27	746	730	758	762	746	746	739	734	714	612	658	618	668	746	740	748	738	700	693	721	752	742	732	742	720
28	773	867	844	800	800	775	746	738	736	736	737	737	738	735	726	727	724	716	702	698	702	716	710	715	746
29	724	733	758	753	769	819	792	765	684	645	725	723	699	707	737	751	737	721	706	703	703	719	729	736	730
30	736	748	749	751	749	755	753	750	751	741	736	739	748	748	747	742	730	714	706	701	705	709	716	737	736
31	744	733	747	747	749	756	760	774	736	724	687	680	754	747	744	736	735	721	712	719	725	726	732	735	734
Mean	746	760	766	760	762	752	739	730	720	720	720	715	718	728	739	744	738	724	712	710	714	722	729	738	734

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 136. Meanook. (D.) East 25° + . . . ′ March, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	62.2	63.5	63.7	63.9	63.5	64.5	64.0	65.1	61.6	65.7	69.8	68.4	68.0	67.8	69.8	71.8	71.8	70.6	67.5	64.5	63.8	63.9	63.8	63.8	66.0
2	63.8	63.5	63.5	63.8	64.2	64.7	66.1	64.3	64.9	64.4	64.9	65.4	65.7	66.0	66.6	68.7	68.6	68.3	66.0	62.8	61.8	61.7	61.2	61.1	64.7
3 Q	62.8	63.5	63.7	64.0	64.6	64.7	64.7	64.7	64.7	64.8	64.9	65.4	65.8	66.4	67.8	69.5	70.8	69.9	67.5	63.6	61.6	61.3	61.8	63.0	65.1
4 Q	63.1	63.2	63.8	63.8	64.2	64.6	64.8	64.7	64.7	64.8	65.4	65.7	66.3	67.4	69.2	71.4	73.1	73.5	71.3	66.1	63.2	62.0	62.9	62.8	65.9
5	61.7	61.1	61.1	62.6	63.8	64.2	64.6	65.3	66.2	65.7	66.3	66.4	67.5	68.1	68.6	70.2	72.5	72.8	66.9	65.2	61.8	61.2	62.8	64.2	65.4
6	64.3	63.7	63.9	63.9	64.3	64.3	64.7	64.4	64.7	64.6	71.1	67.9	64.8	66.3	71.5	74.2	72.2	71.3	70.7	68.3	65.2	61.0	61.0	60.8	66.2
7 Q	61.9	62.7	63.4	63.9	64.6	65.0	66.8	66.3	64.8	64.5	65.4	65.9	64.9	63.8	66.7	70.8	72.5	73.0	69.8	64.8	61.5	60.2	60.0	61.2	65.2
8	62.0	62.9	62.9	63.5	63.8	68.6	63.4	63.9	66.7	65.8	67.5	72.7	71.5	69.9	69.5	63.3	64.4	68.5	67.5	67.2	63.5	62.4	62.1	63.2	65.7
9	63.9	63.7	64.3	64.9	65.3	66.4	66.5	64.9	65.5	65.5	65.0	67.8	60.3	70.7	71.1	72.8	73.4	72.9	70.7	65.8	63.1	61.8	62.7	62.9	66.3
10	64.7	64.1	65.0	64.9	66.0	65.5	73.1	68.4	65.3	60.8	60.4	60.6	65.9	68.4	69.9	71.0	72.6	72.6	68.5	64.1	61.9	61.5	61.8	62.5	65.8
11 Q	63.5	64.3	64.3	64.4	64.7	64.7	64.9	65.2	66.2	67.0	67.0	65.4	65.4	66.5	68.5	71.5	74.1	75.2	73.0	69.7	65.2	61.7	61.1	61.3	66.4
12 Q	62.4	63.3	63.3	63.8	64.1	64.3	64.7	65.0	66.2	66.6	65.6	66.2	66.1	66.6	65.5	67.4	71.7	71.4	67.9	64.2	61.3	60.9	61.7	62.3	65.1
13	62.7	63.2	63.6	63.9	64.3	64.3	64.7	65.5	67.8	70.1	66.6	66.2	66.1	66.2	69.1	71.4	73.1	74.0	70.6	65.5	64.3	62.8	62.6	62.6	66.3
14	63.1	63.8	64.1	64.0	64.7	64.2	64.5	66.2	66.6	74.9	70.5	68.6	67.1	67.0	68.0	70.0	72.1	70.9	68.2	68.4	65.9	63.4	61.9	59.7	66.6
15	59.8	59.7	60.9	67.0	65.4	66.3	66.8	71.8	73.8	69.1	66.3	65.5	66.3	67.1	69.5	72.0	71.9	72.2	66.8	63.3	63.8	63.2	61.9	61.9	66.3
16	62.4	62.9	63.7	63.9	64.0	68.6	65.1	67.5	64.7	65.3	66.1	66.5	66.9	67.6	69.3	70.6	72.0	75.0	69.6	67.2	63.2	61.6	60.5	59.0	66.0
17	59.5	59.4	55.1	58.5	61.0	59.7	62.0	63.5	65.6	67.7	68.9	68.4	67.0	67.3	69.8	70.5	69.8	69.9	65.8	63.7	61.6	58.9	57.2	59.4	63.8
18	59.1	56.6	63.2	60.0	63.7	64.5	64.6	61.8	56.0	68.2	68.3	62.2	65.0	68.7	72.4	73.7	74.6	71.5	68.2	62.3	56.2	59.0	59.7	61.0	64.2
19	62.5	61.8	63.5	66.5	64.5	64.0	64.0	56.9	64.6	67.3	68.2	67.1	61.8	66.3	70.5	71.4	70.4	69.7	68.3	67.3	61.2	59.0	57.8	58.5	64.7
20 D	61.0	57.9	58.0	76.9	57.9	63.9	45.5	66.1	67.0	81.4	71.9	70.8	65.9	73.2	73.8	75.3	74.1	69.8	65.6	63.6	61.8	61.8	60.6	57.0	65.9
21 D	53.1	52.7	57.4	49.4	55.3	57.9	58.4	67.8	72.1	74.9	88.5	78.0	81.8	69.1	69.6	66.5	70.2	70.0	72.6	70.0	67.5	63.5	64.1	59.0	66.2
22	58.7	56.5	60.3	60.8	66.4	65.5	65.5	65.3	65.3	65.3	65.9	64.9	60.7	66.3	72.6	75.6	74.9	76.2	74.8	65.3	66.3	62.6	60.7	59.8	65.7
23 D	60.9	60.3	59.3	59.7	59.5	63.6	69.6	53.0	64.5	76.8	70.6	59.5	66.1	69.4	71.0	73.1	68.4	58.7	64.7	67.0	59.9	59.5	60.5	57.1	63.9
24 D	59.2	58.0	58.1	57.1	64.2	73.1	74.8	72.4	71.2	76.9	75.0	69.5	70.1	69.8	73.1	76.0	77.0	76.5	73.1	69.0	68.7	63.6	57.8	54.0	68.2
25 D	54.8	53.0	63.8	59.5	64.1	65.1	65.8	74.3	67.2	70.3	65.1	61.7	61.5	66.1	66.4	70.0	71.4	70.2	68.4	65.6	61.4	60.4	62.2	58.2	64.4
26	55.1	61.2	62.2	56.9	62.4	68.8	60.4	67.0	65.5	66.2	63.5	64.0	64.3	67.1	66.4	68.2	70.2	71.0	68.8	70.7	64.9	61.7	60.5	59.6	64.4
27	56.7	57.8	57.4	58.8	59.3	61.5	60.2	67.0	71.8	69.5	73.6	71.8	76.8	71.0	69.0	72.6	72.9	70.1	58.3	61.3	61.4	60.1	57.0	57.3	64.7
28	54.7	54.9	50.8	58.7	63.4	62.3	62.9	63.0	63.8	64.2	64.6	64.3	65.2	66.3	71.1	71.7	70.3	69.9	69.2	62.2	59.1	57.8	57.7	58.4	62.8
29	58.6	59.6	57.9	58.4	54.9	53.1	59.6	60.1	57.7	71.2	69.2	69.0	71.4	72.5	72.8	69.9	68.7	68.2	66.5	63.2	59.3	56.6	55.5	55.4	62.9
30	55.6	56.4	55.9	52.4	58.0	61.4	62.2	70.7	60.9	60.7	60.9	62.5	64.5	65.3	67.1	69.1	70.2	69.2	67.3	63.9	59.5	57.0	55.8	54.4	61.7
31	54.7	57.5	56.8	57.3	57.3	58.4	59.8	59.5	73.5	65.9	67.9	66.8	65.1	65.8	64.9	65.1	67.9	68.1	64.1	60.4	56.4	55.6	56.5	56.6	61.7
Mean	60.3	60.4	61.1	61.8	62.7	64.1	64.0	65.2	65.8	67.9	67.9	66.6	66.6	67.7	69.4	70.8	71.5	71.0	68.3	65.4	62.5	60.9	60.4	59.9	65.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 137. Meanook. (Z). 59,000 γ + March, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	353	337	337	340	352	355	354	333	218	264	329	339	341	340	339	337	336	332	329	332	333	337	339	336	331
2	334	332	335	333	333	335	333	327	334	334	333	332	330	328	325	325	325	331	331	328	333	336	335	330	331
3 Q	335	335	333	331	331	330	330	329	329	330	331	332	333	334	333	334	337	334	335	335	341	341	339	334	334
4 Q	332	340	358	359	357	358	357	358	358	358	354	352	350	349	350	353	354	348	339	338	341	349	354	356	351
5	359	352	369	364	358	355	352	351	348	344	338	333	341	344	348	348	349	343	343	346	355	360	367	373	352
6	375	372	373	372	372	371	371	367	362	334	335	352	344	354	359	358	358	359	361	361	367	372	374	377	362
7 Q	381	371	371	366	364	364	378	368	363	359	353	352	337	333	349	352	350	350	348	348	350	350	351	352	357
8	352	354	354	354	354	343	361	359	354	344	312	250	299	333	345	311	320	338	334	346	361	367	367	363	341
9	362	366	368	367	360	363	362	357	351	348	339	326	218	234	288	299	321	332	346	359	361	361	363	363	338
10	364	364	363	370	370	369	311	341	325	234	216	269	300	345	353	359	359	358	358	359	360	365	363	361	339
11 Q	365	366	364	364	363	363	363	363	362	354	355	359	359	360	367	367	364	361	360	359	360	362	362	363	362
12 Q	362	361	361	361	361	361	361	361	360	359	352	346	346	353	357	357	358	358	358	357	365	366	368	367	359
13	366	359	360	360	361	363	363	360	330	337	353	353	356	357	360	363	356	353	351	349	352	357	361	361	356
14	362	360	362	362	361	361	360	360	359	359	358	358	357	357	356	356	355	351	351	351	350	347	351	361	357
15	368	383	402	417	383	385	377	301	282	360	368	362	357	361	361	367	364	366	367	370	370	375	380	382	367
16	378	371	367	368	402	392	390	381	370	366	363	359	358	353	352	353	355	355	355	358	353	356	363	368	366
17	371	372	382	382	380	377	376	378	373	369	367	366	362	363	360	358	335	338	342	347	350	355	376	378	365
18	376	375	387	382	362	356	357	319	196	317	333	275	291	343	347	346	346	346	344	354	349	367	389	400	344
19	411	393	397	397	383	381	372	273	320	330	341	310	293	314	341	357	360	361	357	355	362	381	372	369	355
20 D	367	383	396	410	469	401	114	319	352	275	356	315	200	161	314	320	330	333	346	356	367	379	385	417	336
21 D	455	464	501	486	415	417	123	235	357	248	1	107	161	303	360	375	349	357	373	407	421	431	431	427	342
22	436	461	398	397	393	391	385	371	367	364	359	323	243	262	342	363	365	366	371	370	405	398	377	373	370
23 D	374	375	385	416	393	202	372	195	288	283	323	184	332	354	368	350	320	305	338	404	383	363	365	382	336
24 D	385	426	418	449	414	374	138	268	352	320	335	351	332	275	200	339	364	367	370	378	401	439	445	443	358
25 D	460	430	411	405	380	374	376	342	296	272	299	268	300	263	317	370	381	381	380	378	380	401	442	437	364
26	445	442	442	443	416	406	383	366	339	337	318	360	362	370	386	385	382	382	379	380	390	398	402	391	388
27	404	422	438	443	398	388	287	323	310	263	239	198	231	347	352	359	366	355	358	388	430	410	411	412	356
28	432	466	495	486	454	421	401	388	375	370	366	365	365	363	362	361	361	361	360	362	362	370	372	372	391
29	371	369	380	398	405	434	415	335	360	296	341	326	301	306	335	352	365	372	373	374	375	375	377	376	363
30	374	382	387	407	413	415	391	331	374	372	352	352	363	365	371	372	371	369	364	359	361	367	372	378	373
31	384	383	387	390	404	412	401	385	258	332	336	288	347	356	372	369	365	367	371	374	377	377	373	371	366
Mean	380	383	386	390	383	372	342	337	333	327	324	315	316	328	344	352	352	352	354	361	367	371	375	376	355

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 138. Meanook — March, 1936.

Day	Horizontal Force						Declination							Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	6	54	765	8	50	580	185	10	5	73.3	8	54	55.1	18.2	5	0	360	8	49	137	223	1583	1
2	6	23	762	22	0	715	47	6	18	70.8	22	25	60.2	10.6	6	55	336	5	30	321	15	143	1
3 Q	13	4	759	18	43	717	42	17	17	71.5	21	12	60.9	10.6	22	0	341	8	0	329	12	124	0
4 Q	12	25	766	18	27	710	56	17	41	74.7	20	23	61.2	13.5	23	25	369	0	36	332	37	290	0
5	12	56	766	19	13	704	62	16	12	78.1	20	32	60.1	18.0	23	30	374	11	0	324	50	378	1
6	13	50	765	22	49	699	66	15	24	76.3	22	6	58.9	17.4	24	0	387	13	8	308	79	588	1
7 Q	8	0	759	19	51	699	60	15	53	74.3	22	32	59.1	15.2	6	19	385	13	20	320	65	480	1
8	5	26	770	15	28	684	86	11	35	77.7	15	57	59.8	17.9	22	20	374	11	4	225	149	1000	1
9	15	34	760	12	59	608	162	18	38	80.6	12	21	53.6	27.0	23	40	372	12	44	136	236	1625	1
10	6	41	775	10	9	626	149	6	24	79.9	9	54	54.1	25.8	4	26	383	10	8	175	208	1389	1
11 Q	15	38	763	19	44	704	59	17	45	76.9	22	13	60.7	16.2	15	30	368	9	46	348	20	191	0
12 Q	16	12	766	19	55	710	56	16	25	728	20	43	60.3	12.5	22	10	368	11	36	338	30	254	0
13	13	20	764	20	14	712	52	17	16	76.2	8	22	59.9	16.3	0	10	366	8	48	286	80	542	1
14	8	9	789	21	39	715	74	9	30	76.4	23	23	58.0	18.4	24	0	368	21	0	343	25	243	1
15	7	32	778	7	46	645	133	7	12	81.1	1	13	58.7	22.4	3	19	445	8	1	203	242	1605	1
16	4	58	766	19	24	712	54	17	15	77.7	23	45	57.1	20.6	4	44	426	14	30	352	74	508	1
17	2	31	766	21	26	695	71	18	3	75.1	2	45	49.9	25.2	3	52	405	16	28	331	74	529	1
18	9	40	760	8	21	575	185	16	26	76.7	8	14	45.1	31.6	24	0	431	8	14	152	279	1889	1
19	2	2	774	7	58	607	167	4	0	73.8	7	35	44.4	29.4	0	10	437	7	20	227	210	1457	1
20 D	6	9	851	6	28	222	629	9	28	96.0	6	30	11.9	84.1	4	37	507	6	32	-93	600	4358	2
21 D	2	21	1007	10	31	160	847	10	47	131.9	6	48	0.5	131.4	2	44	547	10	48	-79	626	4788	2
22	1	58	863	12	36	538	325	17	54	81.2	1	41	53.5	27.7	1	13	475	12	28	214	261	1961	1
23 D	4	22	964	11	4	281	683	4	54	101.9	5	35	3.0	98.9	4	6	511	5	20	-56	567	4228	2
24 D	3	56	864	13	58	426	438	6	0	116.0	6	35	7.9	108.1	22	20	490	6	33	-31	521	3646	2
25 D	2	13	1139	11	22	544	595	2	47	79.3	2	17	45.4	33.9	0	30	502	11	24	231	271	2364	1
26	1	52	1089	2	56	673	416	1	53	93.2	3	28	51.1	42.1	2	26	491	1	51	184	307	2351	1
27	6	27	827	9	17	555	272	11	0	85.3	6	47	44.9	40.4	3	10	458	11	47	160	298	2112	1
28	1	0	920	19	47	690	230	15	30	72.8	1	52	41.3	31.5	2	28	515	14	45	360	155	1211	1
29	5	20	855	8	45	532	323	7	48	77.1	8	30	42.9	34.2	5	17	456	9	25	255	201	1602	1
30	7	38	872	19	53	697	175	7	26	81.7	3	32	50.8	30.9	4	33	427	7	34	294	133	894	1
31	8	0	908	11	14	571	337	8	8	81.8	7	52	53.7	28.1	5	32	421	8	22	174	247	1893	1
Mean			830			603	227			82.0			47.9	34.1			422			219	203	1491	1.00
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 139. Meanook. (H). 12,000 γ + April, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	742	751	750	749	749	752	757	761	749	763	753	750	766	764	731	690	659	692	681	686	713	721	737	727	733
2	741	756	741	745	746	749	747	728	737	746	752	752	749	747	740	731	734	719	715	718	731	721	709	728	736
3	738	737	739	744	747	750	754	754	764	754	752	753	756	754	752	731	710	695	676	675	682	711	747	758	732
4	731	733	727	738	768	793	679	538	717	747	748	757	755	748	744	736	727	725	722	717	706	707	712	722	724
5 Q	731	736	736	738	739	742	747	749	747	748	743	740	733	716	723	733	722	710	705	709	712	712	723	733	730
6 Q	742	745	744	749	749	750	753	759	757	734	730	760	763	763	759	747	729	715	709	705	714	721	735	743	740
7	749	752	757	757	754	756	754	757	762	759	749	698	680	694	704	740	730	718	716	711	718	729	734	739	734
8	746	748	756	764	762	779	785	633	506	728	689	661	603	721	773	757	730	715	705	708	713	721	735	727	715
9	748	756	763	762	762	758	764	765	769	775	774	778	767	774	777	767	755	745	732	731	726	725	723	723	754
10 Q	723	730	740	750	751	751	752	757	758	760	759	759	757	763	761	759	739	732	722	722	719	715	723	731	743
11	729	728	736	741	745	749	747	731	675	659	674	691	755	760	763	773	753	745	737	734	724	733	741	760	732
12	737	741	754	754	745	748	748	752	751	745	620	557	701	749	694	677	726	706	703	709	728	722	758	787	721
13	791	760	743	747	777	758	750	745	669	694	718	704	703	684	736	734	714	708	719	716	706	715	730	725	726
14	726	741	742	746	746	748	749	750	713	722	703	752	755	750	749	738	724	705	704	698	700	684	712	717	728
15	716	730	722	742	747	767	830	704	377	466	533	456	624	686	684	680	613	654	726	712	757	794	783	833	600
16	885	900	938	823	764	806	752	718	717	721	723	724	721	707	710	714	702	701	705	710	709	721	725	744	752
17	768	767	742	736	742	745	750	744	742	727	721	721	727	718	727	713	678	689	706	709	720	730	772	814	734
18 D	891	865	1097	1057	923	395	413	633	660	615	742	731	745	704	685	649	664	666	678	736	769	715	756	769	732
19 D	813	834	918	1014	886	646	596	698	647	390	411	430	531	525	662	657	611	672	745	725	748	713	786	994	694
20 D	894	868	933	893	874	823	699	647	619	697	695	633	490	387	430	710	688	596	601	699	746	846	905	893	724
21 D	849	948	799	796	748	757	747	562	348	551	641	414	360	470	589	730	720	696	696	685	749	853	1135	1070	704
22 D	1034	848	846	920	801	724	560	386	324	394	445	549	509	551	461	692	724	705	731	739	763	791	798	844	672
23	761	784	774	748	724	656	742	552	511	541	630	650	690	621	456	569	664	678	747	743	739	775	757	767	678
24	764	761	758	754	754	767	713	721	565	695	661	710	700	709	691	708	711	716	721	727	733	731	745	760	716
25	784	769	767	731	739	737	734	731	732	732	726	667	653	709	721	735	725	716	716	711	709	716	721	734	726
26 Q	736	746	740	740	747	751	746	734	731	679	677	742	742	746	746	749	745	735	726	721	715	714	716	722	731
27	723	730	736	737	737	737	739	741	741	735	738	738	741	742	740	749	737	733	731	728	724	719	730	729	734
28	732	744	736	763	786	801	766	745	675	740	750	745	740	733	730	716	698	694	707	710	734	744	713	726	734
29 Q	726	735	738	739	730	729	734	739	745	745	738	733	744	743	744	742	730	724	721	716	718	719	721	728	732
30	745	747	754	751	763	785	757	730	595	699	758	763	762	756	747	746	737	729	723	724	729	736	759	787	740
31																									
Mean	773	776	780	780	766	740	725	698	660	679	692	684	690	696	698	719	710	704	710	714	725	735	758	774	724

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 140. Meanook. (D.) East. 25° + . . . ′ April, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	58.0	59.6	60.3	60.6	61.2	61.1	61.1	61.2	66.4	68.2	66.2	66.3	65.9	66.8	65.9	66.9	60.3	60.8	55.9	48.8	55.1	57.2	58.8	60.2	61.4
2	61.2	60.4	61.4	61.2	61.1	63.8	62.2	62.1	63.3	64.4	65.3	65.0	65.9	67.7	68.6	68.7	69.0	68.0	63.3	59.4	58.7	59.2	54.1	56.7	62.9
3	57.5	59.3	60.1	60.7	60.1	60.1	60.3	61.3	62.8	65.0	66.6	67.0	65.6	68.6	71.8	71.6	69.4	64.0	69.2	62.1	53.9	49.2	53.4	54.4	62.2
4	58.1	57.4	61.3	60.3	61.4	55.9	58.4	50.0	66.9	65.2	64.9	66.6	66.4	67.3	69.6	70.7	71.2	68.8	64.7	61.2	59.3	59.0	59.0	59.5	62.6
5 Q	60.0	59.3	60.0	61.1	61.1	61.4	62.7	61.8	62.0	63.0	62.2	65.3	64.5	65.4	68.7	70.1	70.3	66.9	61.5	57.2	56.5	56.2	57.9	59.1	62.2
6 Q	59.2	59.0	59.5	60.0	60.2	60.2	60.3	60.1	64.4	69.6	67.5	68.8	68.1	69.6	71.6	71.5	69.8	67.7	63.0	59.2	57.2	57.2	57.6	57.9	63.3
7	58.4	58.6	59.2	59.5	60.6	60.1	61.9	61.2	62.4	62.2	63.2	63.7	63.1	69.4	71.0	70.8	68.1	63.9	59.3	58.4	58.3	57.5	57.5	57.3	61.9
8	58.0	59.1	60.0	59.9	59.2	61.4	60.1	60.5	73.6	70.8	77.0	78.2	83.0	79.1	71.7	72.0	73.5	67.8	68.3	68.0	57.1	57.2	58.6	60.1	66.4
9	61.1	61.6	62.7	62.0	61.9	63.0	62.1	62.9	62.0	63.7	62.9	62.9	62.0	65.6	70.2	71.6	72.0	69.6	65.7	59.5	57.3	56.9	58.1	59.5	63.2
10 Q	60.5	60.2	61.1	61.7	61.7	63.8	65.7	64.8	61.9	63.5	62.9	64.3	65.7	66.7	66.9	69.7	69.1	68.5	64.8	61.9	59.3	59.3	59.3	59.5	63.4
11	60.1	61.0	61.2	61.3	61.1	62.5	71.6	65.7	68.6	73.1	77.0	77.1	69.6	66.7	68.4	70.0	70.3	70.0	67.7	63.6	59.2	57.3	55.9	56.1	65.6
12	57.0	57.5	58.6	61.4	60.6	63.6	68.5	64.0	61.9	61.8	60.9	68.3	67.7	68.0	64.5	61.1	69.0	70.4	63.6	62.7	61.4	56.0	54.2	52.7	62.3
13	49.4	51.8	58.2	59.9	67.1	72.9	64.9	63.7	56.6	61.5	69.4	65.7	66.3	68.5	75.4	75.6	69.2	63.3	62.9	62.8	60.4	57.9	57.1	57.7	63.2
14	60.1	60.2	60.7	61.9	62.8	63.6	62.9	63.7	73.3	62.8	64.8	67.4	67.4	68.3	69.9	72.3	75.2	73.3	68.3	68.0	59.0	55.3	57.5	57.1	64.8
15	59.7	61.8	62.3	61.7	62.2	61.8	64.2	75.0	78.1	83.0	76.0	80.2	85.1	77.1	70.8	74.8	63.5	59.8	65.7	64.5	62.1	59.0	56.6	52.3	67.4
16	51.3	48.5	48.9	57.1	61.0	62.4	62.6	63.0	63.9	63.8	64.8	65.7	67.5	70.5	72.8	73.5	72.5	70.0	66.8	62.9	59.6	58.5	57.3	56.5	62.6
17	57.8	56.1	56.1	60.4	60.6	61.8	61.5	68.6	64.8	64.8	72.3	71.3	72.3	71.7	75.3	76.4	73.8	65.5	63.8	58.1	57.5	56.3	54.3	53.1	63.9
18 D	52.5	52.8	46.9	31.1	26.8	49.3	57.4	60.5	64.1	64.7	67.4	67.8	68.5	72.0	78.5	76.2	70.5	68.9	68.7	61.4	58.7	56.9	56.6	56.3	59.8
19 D	57.5	50.0	50.7	53.2	60.9	58.7	69.9	72.2	67.0	56.5	77.0	76.1	78.9	71.4	80.4	79.2	77.1	72.1	69.7	66.8	66.5	63.9	57.4	53.3	66.1
20 D	52.0	51.3	51.7	67.8	61.8	70.8	79.7	79.0	74.2	66.0	63.9	64.0	70.4	79.4	71.3	67.8	78.7	67.9	65.6	60.9	59.3	64.9	56.3	61.1	66.1
21 D	52.4	58.0	61.1	66.2	67.5	63.5	63.7	62.7	68.7	77.5	72.9	76.6	67.4	79.9	73.6	66.7	74.6	74.6	74.3	67.1	67.8	63.7	67.9	62.7	68.0
22 D	51.2	56.0	51.7	66.8	66.2	59.8	62.2	19.2	67.6	60.8	73.9	71.1	71.3	77.1	78.9	76.3	73.3	76.1	74.4	70.0	61.6	62.4	61.9	63.9	64.7
23	60.0	61.9	66.0	64.7	68.4	60.7	67.4	68.4	74.2	68.7	64.5	68.5	71.5	72.7	74.6	73.3	69.9	69.7	64.3	67.7	69.9	66.6	64.1	64.1	67.6
24	63.9	62.8	63.7	67.2	68.7	69.4	73.1	72.1	65.6	67.0	73.3	74.1	68.9	73.5	72.3	73.4	73.5	72.9	70.1	67.0	65.6	64.8	62.0	61.1	68.6
25	62.4	64.1	64.1	63.5	67.5	66.6	65.8	65.4	67.4	66.5	65.1	62.4	66.5	78.9	75.6	76.0	75.9	72.9	69.9	67.2	63.9	62.7	60.9	58.6	67.1
26 Q	58.9	61.0	63.8	65.9	70.8	70.1	68.3	69.3	69.0	64.4	62.9	67.8	69.7	71.5	73.0	75.7	76.4	77.2	73.3	68.4	63.5	61.3	59.5	58.6	67.5
27	60.7	62.3	63.8	64.8	64.8	65.0	65.5	66.4	67.1	68.5	71.3	69.9	71.9	73.4	75.0	76.4	76.9	72.8	67.1	66.8	63.8	63.4	62.3	61.5	67.6
28	62.6	65.1	65.8	63.8	64.0	63.8	64.0	70.3	63.9	73.5	69.6	69.4	69.8	71.8	75.5	75.7	74.5	63.8	61.2	60.2	64.1	63.0	63.6	63.4	66.8
29 Q	63.5	64.7	66.6	68.8	68.0	66.5	66.6	66.7	66.6	66.7	66.7	68.2	72.6	72.8	76.0	76.6	77.4	73.2	68.4	65.2	63.8	63.6	63.8	63.8	68.2
30	64.3	64.5	64.6	65.6	64.7	68.8	73.8	64.6	67.3	67.8	71.7	70.9	73.2	76.4	75.6	75.1	72.6	67.1	63.9	62.3	62.1	62.7	63.1	61.8	67.7
31																									
Mean	58.3	58.9	59.8	61.3	62.1	63.1	64.9	63.5	66.5	66.5	68.1	69.0	69.6	71.6	72.4	72.5	71.9	68.9	66.2	63.0	60.8	59.6	58.9	58.7	64.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 141. Meanook. (Z). 59,000 γ + April, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	371	368	354	353	353	353	360	369	342	362	333	321	340	350	318	288	277	319	340	362	367	372	375	375	347
2	365	372	371	365	363	362	338	315	321	341	342	344	345	346	341	337	342	347	345	345	350	367	362	353	349
3	343	344	345	344	341	343	343	344	360	327	313	297	330	342	341	332	335	340	352	373	413	429	415	411	352
4	408	397	383	385	405	361	244	195	291	333	319	349	349	349	354	353	345	346	345	345	346	344	345	347	343
5 Q	347	347	347	351	352	353	353	350	353	351	339	323	320	310	301	321	334	342	341	342	350	354	355	357	341
6 Q	352	348	346	345	345	347	350	360	341	307	297	309	342	350	348	348	347	347	347	347	348	349	349	349	342
7	346	346	350	350	350	350	349	349	347	345	328	252	220	211	200	256	310	338	338	340	341	345	348	348	319
8	343	344	348	351	355	384	381	234	182	288	257	225	176	254	338	352	363	364	366	370	368	359	358	360	322
9	353	348	338	336	336	335	335	336	330	325	324	324	319	323	331	332	332	333	327	335	336	341	337	337	333
10 Q	332	334	341	342	341	343	344	340	339	339	338	338	337	337	337	338	338	336	326	333	345	345	346	350	339
11	356	355	356	350	348	343	287	275	197	198	206	260	314	328	347	348	352	355	353	352	356	357	361	372	322
12	371	370	381	399	383	376	357	361	349	333	157	162	285	326	312	295	339	355	356	362	383	380	411	428	343
13	411	423	385	374	374	336	339	340	282	283	282	275	310	301	317	324	323	325	349	356	368	396	379	359	342
14	354	353	349	353	352	355	349	348	309	306	261	322	344	345	348	348	344	343	345	366	395	378	344	339	344
15	343	345	347	360	380	387	369	271	218	185	273	250	273	309	341	334	300	348	376	383	409	419	410	425	336
16	462	467	456	430	420	406	384	363	350	349	346	347	347	346	344	352	350	349	343	343	343	346	346	350	372
17	359	382	364	356	360	358	356	317	332	325	409	398	322	312	322	322	315	315	327	329	334	376	422	424	352
18 D	415	411	363	200	164	-30	176	336	370	317	320	302	320	297	287	255	286	315	339	409	405	343	359	387	306
19 D	403	427	485	424	427	174	250	308	312	179	81	214	275	246	248	255	271	339	357	352	365	394	430	470	320
20 D	421	435	433	402	456	428	325	311	356	398	389	338	213	100	225	339	391	372	394	470	459	494	481	470	379
21 D	477	484	473	447	427	443	418	427	292	278	298	299	163	67	161	302	383	393	406	417	467	507	480	362	369
22 D	360	389	465	344	396	426	212	135	244	289	354	232	133	171	224	372	402	409	433	433	457	466	462	459	344
23	454	453	453	425	317	197	351	285	300	360	302	345	372	380	301	355	386	398	433	433	444	466	456	447	380
24	434	417	415	408	402	350	318	392	393	361	347	363	349	372	384	384	393	404	414	416	421	416	416	428	392
25	448	447	406	398	385	378	378	379	380	387	373	292	258	321	360	376	383	385	392	394	397	401	412	402	380
26 Q	394	403	402	398	384	363	372	376	372	314	307	366	382	393	400	398	396	395	393	391	392	394	398	398	382
27	401	400	399	397	396	395	394	393	385	365	367	385	395	397	397	397	397	396	397	398	407	409	414	417	396
28	414	411	412	419	464	467	445	429	337	407	429	423	417	412	409	413	413	404	405	407	430	470	466	443	423
29 Q	427	415	422	427	435	421	418	416	413	407	397	392	410	411	418	421	422	421	422	417	417	417	420	421	417
30	415	415	408	408	415	461	430	405	351	359	400	424	430	430	430	430	438	439	437	434	436	441	454	480	424
31																									
Mean	389	392	390	375	374	352	344	335	325	324	316	316	313	314	326	342	354	362	370	378	388	396	397	396	357

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 142 Meanook — April, 1936.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	12	28	772	16	50	639	133	9	14	70.9	9	12	44.0	26.9	22	45	384	16	38	253	131	946	1
2	21	19	768	21	53	672	96	17	45	71.6	22	23	52.9	18.7	1	14	380	7	55	269	111	780	1
3	8	30	781	20	28	648	133	18	9	76.3	21	23	46.7	29.6	20	50	450	11	3	278	172	1189	1
4	5	8	834	7	10	301	533	7	39	91.9	7	7	12.5	79.4	4	40	428	7	8	7	421	3174	1
5 Q	6	56	757	18	40	701	56	15	37	71.4	21	2	55.4	16.0	21	56	357	14	8	290	67	467	1
6 Q	8	15	793	9	18	695	98	9	17	72.7	10	43	56.7	16.0	7	54	371	10	0	278	93	675	1
7	9	32	768	12	11	659	109	13	38	77.3	23	43	57.1	20.2	6	25	357	14	11	175	182	1217	1
8	6	41	809	8	0	96	713	8	35	93.0	8	15	24.0	69.0	5	30	396	7	49	-161	557	4210	2
9	11	33	787	21	58	717	70	16	12	73.3	21	22	56.4	16.9	0	5	356	12	40	305	51	391	0
10 Q	9	50	768	21	30	713	55	15	29	71.5	20	41	58.1	13.4	23	30	354	8	53	328	26	224	1
11	15	33	771	8	55	617	154	11	8	82.2	22	57	54.5	27.7	24	0	381	8	56	157	224	1524	1
12	23	13	800	11	20	461	339	17	6	75.3	10	43	50.9	24.4	23	14	447	10	50	17	430	2981	1
13	4	31	826	8	50	578	248	4	48	79.5	8	37	45.1	34.4	1	12	427	8	48	205	222	1631	1
14	12	20	759	8	34	648	111	8	36	85.5	21	18	50.5	35.0	20	51	402	10	18	232	170	1152	1
15	23	33	849	11	22	255	594	8	15	144.6	8	33	23.2	121.4	23	32	439	8	2	-68	507	3759	2
16	2	38	982	17	3	692	290	15	45	75.2	2	13	32.2	43.0	2	18	528	20	16	336	192	1506	1
17	24	0	861	16	55	664	197	16	13	78.1	22	38	51.4	26.7	24	0	448	7	45	276	172	1270	1
18 D	2	33	1175	6	2	72	1103	5	28	99.5	4	54	10.4	89.1	6	44	464	4	35	-129	593	4917	2
19 D	23	40	1220	11	6	98	1122	10	59	107.1	9	50	-9.5	116.6	2	45	528	9	45	-92	620	5102	2
20 D	1	46	1050	14	22	222	828	13	39	123.1	2	14	40.2	82.9	21	36	534	13	11	48	486	3934	2
21 D	22	28	1316	12	10	187	1129	9	1	140.6	8	12	39.6	101.0	22	17	582	13	8	-67	649	5283	2
22 D	1	2	1098	14	12	138	960	18	12	122.3	7	20	-31.4	153.7	2	56	530	7	20	-13	543	4439	2
23	2	15	819	9	7	353	466	14	43	91.7	5	28	29.1	62.6	2	16	508	5	12	68	440	3201	2
24	4	53	804	8	34	367	437	5	42	89.0	5	17	53.2	35.8	8	37	469	6	9	254	215	1831	1
25	2	57	836	12	4	605	231	13	22	82.8	23	45	57.9	24.9	0	10	457	11	55	224	233	1675	1
26 Q	4	33	765	10	3	627	138	17	10	79.3	23	46	57.7	21.6	1	13	405	10	16	275	130	946	1
27	15	20	750	21	28	714	36	17	10	78.4	23	34	60.3	18.1	22	26	424	9	52	356	68	450	0
28	4	54	849	8	55	607	242	9	13	80.8	8	48	55.1	25.7	4	38	488	8	45	244	244	1754	1
29 Q	3	16	752	18	52	715	37	16	15	77.4	23	30	62.9	14.5	4	10	445	11	30	389	56	379	0
30	23	59	807	8	10	529	278	6	0	82.1	9	4	58.3	23.8	23	53	495	9	4	195	300	2132	1
31																							
Mean			864			500	364			88.2			41.9	46.3			441			164	277	2105	1.17
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 143. Meanook. (H.) 12,000 γ + May, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	787	758	803	762	738	736	740	747	736	740	733	681	691	738	747	734	706	699	697	698	708	720	731	743	732
2	739	756	742	732	737	741	743	745	745	746	744	732	708	702	730	739	732	716	706	709	715	725	730	731	731
3	732	745	740	744	742	743	745	747	747	754	754	756	764	764	762	750	742	734	723	710	708	709	722	736	740
4	740	747	752	745	754	747	744	710	756	755	753	764	753	736	657	736	758	737	676	725	770	749	775	762	742
5	747	759	748	742	748	751	752	749	753	748	741	722	736	740	739	727	722	699	700	716	712	741	745	752	737
6	750	749	744	743	742	746	748	749	751	756	756	759	759	755	758	752	746	733	731	731	726	729	726	727	744
7 Q	739	741	750	747	746	746	747	750	752	743	750	753	754	745	763	752	738	721	716	711	720	728	724	724	740
8 Q	726	735	738	738	740	748	750	747	746	735	745	749	746	749	759	761	751	741	726	722	721	719	727	734	740
9 Q	736	728	729	735	739	746	748	748	749	752	752	751	759	758	757	752	750	748	742	741	735	728	726	728	743
10	722	727	731	735	738	738	742	740	753	758	753	685	642	753	770	771	768	735	703	690	696	735	758	749	733
11 D	750	754	822	775	740	754	752	749	735	728	758	761	752	759	738	768	752	742	734	732	739	734	735	734	750
12 D	734	751	762	763	778	772	724	733	629	690	750	709	650	693	716	735	727	716	703	761	746	841	843	779	738
13	826	801	745	755	736	730	710	694	706	718	711	707	739	742	743	739	716	719	718	720	727	726	748	734	734
14	729	732	735	753	740	740	746	722	720	738	695	726	740	699	692	663	668	698	681	698	717	737	737	734	718
15	793	854	776	766	751	730	737	723	587	655	710	711	736	759	755	743	728	699	692	693	700	725	728	773	730
16	737	770	810	764	779	558	712	696	652	558	607	689	393	497	655	700	692	674	688	716	722	757	821	878	688
17	800	773	818	761	728	750	686	728	704	714	723	738	739	728	720	732	725	716	712	715	728	734	780	774	738
18 D	1014	791	761	761	741	751	699	490	326	664	712	722	671	695	694	723	761	735	733	723	767	785	824	903	726
19 D	806	840	800	778	755	685	409	713	474	569	511	546	581	644	696	669	709	715	705	709	762	846	806	757	686
20	789	796	789	807	789	768	662	657	711	676	781	789	783	758	697	666	718	711	724	757	774	789	761	743	746
21	750	755	775	734	688	755	757	762	738	742	752	758	762	760	769	753	743	743	739	718	730	745	743	753	746
22	727	746	740	719	715	719	722	728	727	722	709	710	720	722	721	721	720	722	722	721	700	717	717	722	721
23 Q	734	742	733	734	731	726	723	725	730	730	728	712	709	723	719	724	728	719	712	708	706	704	721	728	723
24 Q	739	740	743	742	739	736	734	729	734	736	738	740	745	748	744	743	734	729	718	712	711	710	715	729	732
25	744	748	747	744	745	739	740	740	744	748	748	753	757	758	755	751	736	725	723	721	699	709	741	748	740
26	762	757	766	750	745	743	748	751	734	669	588	557	596	721	757	732	701	684	697	720	739	750	747	747	715
27	747	747	742	751	749	740	743	743	710	609	664	753	747	766	775	767	743	738	722	723	733	743	716	740	734
28	769	750	734	738	756	751	743	743	744	745	748	748	736	745	749	756	736	711	709	721	719	730	740	758	740
29 D	760	753	751	748	750	750	749	756	759	622	480	424	324	379	569	742	766	731	731	725	739	764	747	724	676
30	744	739	758	768	779	768	765	675	735	733	742	741	744	740	755	749	743	732	703	701	708	715	717	734	737
31	747	763	820	837	756	740	728	733	732	737	736	727	733	749	750	746	739	730	728	728	726	731	734	734	745
Mean	762	760	761	754	746	737	724	723	704	709	712	712	699	716	729	735	732	721	713	718	726	741	748	752	730

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 144. Meanook. (D.) East. 25° + . . . ′ May, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	61.2	63.1	59.0	65.1	64.8	73.7	65.9	65.5	64.0	63.9	63.4	63.3	68.2	74.7	74.2	73.4	72.3	67.7	63.1	61.2	61.3	60.9	61.0	62.1	65.5
2	63.7	65.0	65.7	64.0	62.8	61.7	61.2	64.7	63.5	61.8	61.9	61.8	66.4	72.7	75.1	73.4	71.3	68.2	65.7	63.6	61.3	60.1	59.9	59.3	64.8
3	60.0	60.2	61.0	61.7	62.9	62.0	61.0	61.1	61.9	62.0	63.5	65.4	67.6	70.6	73.7	74.1	74.4	72.4	66.4	61.9	58.5	57.8	57.3	55.8	63.9
4	55.3	57.4	57.7	60.6	61.5	62.8	63.9	64.5	63.9	61.9	60.2	62.8	63.7	64.6	68.5	69.3	67.6	76.9	67.7	54.7	59.1	62.5	57.7	57.7	62.6
5	57.3	56.5	58.9	58.7	59.5	60.1	62.0	64.0	65.5	61.4	61.9	62.0	65.4	69.8	71.6	70.8	67.4	63.9	60.9	57.4	54.9	55.3	56.2	56.3	61.6
6	57.4	58.2	58.6	58.8	59.3	59.9	60.7	61.4	60.9	59.5	60.7	61.5	61.8	66.6	67.5	67.3	67.4	65.8	62.6	60.9	60.1	59.2	59.0	58.0	61.4
7 Q	56.7	57.6	58.9	59.8	59.3	59.3	59.8	59.9	59.1	62.7	62.1	63.3	64.1	67.2	69.2	70.0	69.3	67.7	65.6	61.6	59.8	58.4	57.3	56.0	61.9
8 Q	56.5	57.7	59.3	59.9	60.2	60.2	60.4	63.0	63.5	57.9	60.9	62.6	65.4	68.2	70.8	73.3	73.4	71.4	67.1	62.8	60.1	59.5	58.3	58.2	62.9
9 Q	57.6	58.0	59.8	60.1	60.3	60.7	60.7	61.4	61.1	60.9	61.0	61.1	63.4	64.7	67.6	68.6	70.2	68.6	64.8	62.5	60.6	59.1	58.0	56.8	62.0
10	56.8	58.4	59.0	59.8	60.7	60.9	60.9	61.1	59.9	59.3	57.2	57.9	71.4	77.3	75.5	81.1	78.5	80.9	70.6	70.6	44.8	50.2	47.9	48.2	62.9
11 D	46.9	49.5	51.1	54.5	56.2	59.5	58.1	59.0	60.0	62.9	64.8	66.3	68.4	70.5	74.1	75.3	75.3	74.5	69.7	64.6	62.9	60.0	56.5	56.3	62.4
12 D	57.9	58.8	52.3	53.5	55.0	64.8	58.2	63.6	68.6	67.7	60.9	61.2	63.3	63.3	67.8	70.0	69.7	69.3	74.3	70.7	60.0	59.8	57.6	48.5	62.4
13	51.2	59.0	59.5	59.2	59.5	59.7	59.7	59.8	60.4	60.8	59.0	56.8	61.0	61.6	61.0	61.7	65.4	66.7	64.3	59.2	58.0	57.1	54.1	52.3	59.4
14	51.6	52.3	56.4	57.3	58.9	59.6	58.3	54.3	58.1	60.6	61.9	62.4	65.9	67.9	68.4	67.6	68.9	67.7	69.5	56.4	52.3	51.4	50.4	52.2	59.6
15	51.9	59.8	56.4	57.6	51.5	56.4	59.1	58.1	56.2	61.1	61.4	58.9	62.1	66.2	68.9	71.7	72.5	71.5	67.9	67.6	62.7	58.1	54.2	52.2	61.0
16	51.4	50.1	54.3	56.0	55.9	43.7	56.7	59.2	64.8	65.1	67.0	69.9	74.8	71.8	76.1	74.3	73.5	71.8	62.4	59.2	58.1	59.3	61.1	59.0	62.3
17	55.5	56.7	54.5	58.8	58.1	58.4	50.2	61.0	66.7	61.9	62.4	65.2	69.3	71.5	75.9	75.4	73.8	68.6	65.9	60.7	59.6	56.9	55.9	55.0	62.4
18 D	54.6	59.5	54.4	58.5	58.9	58.7	63.3	66.7	63.6	62.9	61.3	60.7	70.5	74.3	74.3	72.9	70.1	66.3	62.6	60.9	57.6	55.2	54.1	57.9	62.5
19 D	54.6	54.5	58.5	61.5	63.7	54.0	51.8	58.5	52.2	61.4	52.2	51.8	70.2	68.9	70.9	71.8	71.4	66.6	67.7	66.6	62.5	64.7	59.5	57.3	61.4
20	57.0	58.3	60.5	65.2	65.1	60.4	47.1	57.5	65.2	58.3	62.6	64.8	66.9	69.7	71.0	68.6	65.2	72.1	67.2	56.1	58.9	61.4	58.9	59.4	62.4
21	58.7	58.3	60.2	65.2	63.7	61.8	68.3	68.7	65.2	61.8	63.4	67.3	71.5	71.5	69.6	70.1	69.6	68.2	66.6	63.3	58.9	61.0	59.4	57.0	64.6
22	57.9	59.8	57.8	59.9	58.0	58.6	59.6	62.8	61.6	63.3	61.4	61.3	63.1	67.1	64.5	66.4	69.7	68.0	67.5	64.7	62.8	60.7	57.9	56.8	62.1
23 Q	56.2	57.6	59.7	61.1	64.2	62.0	60.9	60.7	61.0	60.8	59.9	60.1	62.1	68.0	69.3	71.8	72.3	70.5	67.4	62.7	58.7	56.6	55.7	54.9	62.2
24 Q	54.5	55.1	58.7	59.9	59.3	59.3	58.6	57.9	60.2	59.5	58.9	60.7	62.6	65.6	69.3	72.1	72.7	71.4	67.3	60.9	56.7	55.0	54.3	54.9	61.0
25	56.5	58.4	59.8	60.3	61.3	61.2	60.6	61.0	60.9	59.9	60.5	61.5	65.4	67.9	71.5	72.7	72.6	71.0	68.2	63.6	54.8	53.7	54.2	54.6	62.2
26	55.4	59.4	59.4	65.3	60.8	60.6	60.4	59.9	60.4	72.4	73.2	74.9	75.6	78.9	73.2	74.1	74.9	62.7	56.7	52.8	51.9	54.8	56.6	57.6	63.8
27	58.8	59.8	60.3	61.0	62.4	61.3	61.5	62.4	76.3	72.0	75.1	66.9	68.4	72.1	74.9	74.7	75.1	68.7	66.5	63.0	61.7	60.4	59.6	59.3	65.9
28	59.6	63.8	63.2	62.3	63.5	63.4	61.9	62.6	63.1	63.5	62.7	66.3	66.1	72.7	73.8	71.3	72.2	73.8	60.2	59.8	58.1	58.6	60.4	62.0	64.4
29 D	62.5	62.9	62.8	62.7	62.9	63.4	64.6	63.7	62.2	71.3	76.6	77.5	65.9	81.0	83.2	77.5	75.3	71.8	63.6	64.4	66.1	64.3	61.2	58.8	67.8
30	58.6	61.2	62.5	63.5	61.7	64.6	63.2	63.4	67.4	64.1	63.6	67.3	71.2	75.1	75.4	74.7	74.1	73.8	67.3	62.8	56.0	55.5	55.7	54.8	64.9
31	55.8	57.5	55.5	59.1	60.4	58.5	61.3	62.2	64.6	64.5	63.9	64.2	69.1	72.0	72.6	73.3	72.5	69.2	64.3	61.3	60.7	60.8	63.9	63.5	63.8
Mean	56.4	58.2	58.6	60.4	60.4	60.4	60.0	61.6	62.6	62.8	62.8	63.5	66.8	70.1	71.6	71.9	71.6	69.9	65.8	61.9	58.7	58.3	57.2	56.5	62.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 145. Meanook. (Z.) 59,000 γ + May, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	398	395	414	412	362	312	309	329	315	317	318	263	249	284	322	337	337	334	338	343	351	351	356	356	338
2	367	372	374	371	370	370	369	375	372	366	364	352	304	303	332	366	377	377	375	375	376	377	377	374	364
3	371	374	374	377	390	388	383	376	371	372	373	375	375	375	378	373	371	371	370	367	370	371	372	373	374
4	370	369	371	365	371	384	383	329	365	368	368	371	362	344	291	327	350	355	355	375	394	415	437	426	368
5	375	357	356	353	358	363	348	314	357	350	335	321	332	344	352	353	360	356	350	355	360	359	364	365	352
6	363	362	362	361	362	362	363	362	362	359	360	361	360	358	365	360	359	357	354	356	359	360	360	361	360
7 Q	360	357	357	356	356	355	355	355	353	302	316	342	350	343	356	356	354	354	354	355	358	361	363	359	351
8 Q	355	352	354	353	353	353	354	340	337	282	330	351	356	355	354	351	344	337	336	336	347	353	351	353	345
9 Q	352	351	355	355	355	354	354	354	355	355	351	350	359	360	359	358	354	349	349	348	353	352	353	357	354
10	358	359	345	344	343	343	343	343	343	342	335	214	217	330	341	341	338	334	338	349	352	371	363	363	335
11 D	377	388	454	401	384	380	366	348	350	349	368	368	345	347	344	351	350	343	338	343	350	353	355	355	363
12 D	365	368	377	380	349	360	347	310	186	311	372	334	304	319	336	358	362	364	378	466	435	463	415	423	362
13	429	370	351	351	312	297	272	235	250	256	253	260	300	305	307	309	311	335	302	302	296	287	286	282	302
14	292	307	307	316	316	313	306	273	197	202	171	203	260	257	235	241	279	306	315	336	357	367	350	340	285
15	372	408	357	358	270	306	315	287	118	197	256	271	295	327	331	328	319	315	314	316	341	368	371	383	313
16	371	384	385	378	345	237	335	281	283	268	184	236	130	94	168	244	288	296	308	326	344	344	384	397	292
17	357	356	393	366	345	341	172	205	307	328	306	310	323	326	309	317	311	307	309	320	336	341	357	363	321
18 D	449	364	353	360	320	311	97	14	161	251	200	277	249	250	295	290	320	323	317	328	377	368	378	386	293
19 D	371	396	375	363	287	221	167	271	102	188	131	94	182	258	277	287	334	338	345	364	387	406	373	341	286
20	349	347	338	301	301	322	250	251	184	130	296	325	329	322	278	279	294	305	328	335	331	340	344	337	301
21	335	331	347	333	331	310	214	263	299	309	292	301	299	311	331	337	331	326	340	338	338	343	348	352	319
22	373	376	360	347	336	328	323	315	306	303	284	279	311	307	277	313	326	333	339	336	333	335	344	346	326
23 Q	360	359	344	338	316	322	325	325	325	325	324	316	314	325	327	337	339	339	337	328	329	334	341	344	332
24 Q	351	350	347	342	342	340	335	314	319	323	329	334	336	339	340	337	337	338	332	332	331	331	329	330	335
25	336	334	334	333	333	336	336	335	334	333	335	336	332	333	333	335	330	325	328	327	330	334	348	352	334
26	361	363	364	350	339	334	332	332	292	169	142	215	203	258	338	344	332	313	322	347	349	354	347	348	310
27	342	343	332	339	356	346	348	335	168	156	211	321	327	341	354	348	332	323	318	319	324	332	340	355	317
28	362	372	327	325	340	349	348	333	329	336	339	343	341	333	332	334	335	335	341	341	336	337	342	352	340
29 D	347	335	331	325	326	329	340	338	325	77	59	141	439	442	260	328	344	340	353	352	372	399	435	400	322
30	361	354	375	397	409	385	373	232	337	336	341	366	363	346	342	351	355	357	358	346	349	347	342	390	355
31	394	428	415	376	383	365	363	365	360	359	358	349	344	355	363	364	365	367	369	357	359	359	362	361	368
Mean	365	364	362	356	344	336	317	304	292	288	290	299	309	319	320	331	337	337	339	346	352	358	361	362	333

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 146 Meanook — May, 1936.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	2	57	833	11	27	655	178	5	22	81.5	2	48	53.2	28.3	2	58	467	11	50	219	248	1697	1
2	1	42	762	13	12	687	75	14	3	77.5	11	55	58.4	19.1	22	0	379	13	13	195	184	1186	1
3	12	50	764	20	20	706	58	16	7	75.8	24	0	54.9	20.9	4	51	395	20	0	364	31	245	1
4	21	4	807	14	42	602	205	17	49	86.5	19	7	49.6	36.9	22	35	444	14	44	251	193	1404	1
5	0	13	776	11	37	698	78	14	41	72.1	1	17	54.2	17.9	0	0	398	7	15	288	110	751	1
6	1	7	761	20	15	721	40	13	45	69.3	0	8	56.8	12.5	14	30	367	18	30	354	13	125	0
7 Q	14	11	774	19	10	706	68	14	6	71.6	23	18	55.3	16.3	21	30	366	9	26	285	81	566	1
8 Q	15	27	763	10	0	721	42	15	45	74.2	9	16	56.5	17.7	13	0	356	9	50	259	97	631	1
9 Q	13	0	759	22	50	725	34	16	56	71.2	23	55	56.5	14.7	14	0	362	18	32	344	18	148	0
10	22	2	773	12	8	547	226	17	59	93.4	20	13	38.5	54.9	21	17	373	12	0	125	248	1758	1
11 D	2	45	863	14	42	701	162	14	35	82.0	2	27	43.4	38.6	2	36	501	14	40	326	175	1242	1
12 D	22	2	986	8	48	442	544	7	17	88.5	6	56	38.3	50.2	19	4	498	8	32	103	395	3033	2
13	0	8	858	7	48	679	179	16	50	67.5	23	47	50.7	16.8	0	10	456	7	46	218	238	1534	1
14	21	31	764	16	30	644	120	15	59	71.9	7	47	43.7	28.2	21	28	378	10	30	139	239	1569	1
15	1	20	903	8	37	470	433	9	14	82.8	4	36	26.5	56.3	1	12	429	8	50	9	420	3040	1
16	23	12	909	12	26	253	656	13	53	93.8	5	12	14.4	79.4	23	12	441	13	27	23	418	3312	2
17	2	35	848	6	50	538	310	14	9	77.2	6	39	29.0	48.2	2	40	418	6	42	29	389	2701	1
18 D	23	28	936	8	28	182	754	8	47	103.5	8	24	42.9	60.6	0	37	542	8	0	-91	633	4710	2
19 D	21	46	941	6	4	174	767	12	17	88.6	8	9	27.4	61.2	21	40	450	6	11	-19	469	3755	2
20	3	17	826	6	50	429	397	8	45	84.8	6	47	23.6	61.2	22	58	351	9	0	45	306	2318	1
21	5	22	808	6	20	541	267	6	12	75.0	5	26	53.8	21.2	23	50	363	6	25	142	221	1650	1
22	1	34	756	11	9	690	66	16	10	72.2	23	58	55.7	16.5	1	0	385	11	10	248	137	895	1
23 Q	1	31	756	20	0	701	55	15	31	73.1	23	58	54.2	18.9	1	29	368	12	16	310	58	413	1
24 Q	12	50	750	21	0	710	40	15	53	73.1	22	0	54.2	18.9	0	2	357	7	35	305	52	359	0
25	23	28	769	20	42	688	81	16	7	73.9	21	8	52.7	21.2	23	30	355	17	30	324	31	286	0
26	2	24	777	11	30	472	305	11	36	89.2	20	2	48.3	40.9	2	30	372	11	32	79	293	2124	1
27	8	12	793	10	0	581	212	8	22	82.2	23	12	58.6	23.6	14	12	359	8	42	68	291	1995	1
28	4	25	763	17	33	695	68	17	8	79.9	20	33	57.3	22.6	1	22	385	3	45	320	65	471	1
29 D	15	56	790	12	20	154	636	11	49	155.6	11	53	24.4	131.2	12	59	610	8	30	14	596	4342	2
30	7	2	841	7	33	615	226	17	39	79.7	23	55	47.8	31.9	23	54	444	7	14	149	295	2036	1
31	3	2	1014	21	12	721	293	16	8	74.5	3	6	49.0	25.5	1	30	447	11	53	325	122	1095	1
Mean			820			576	244			82.0			46.1	35.9			413			185	228	1658	1.03
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 147. Meanook. (H.) 12,000 γ + June, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	739	738	737	734	738	741	749	743	693	559	408	400	562	728	782	782	765	753	729	734	744	742	736	740	699
2 D	719	719	739	760	868	830	725	739	727	726	750	756	760	763	770	767	748	706	694	688	738	759	802	890	756
3	850	812	769	808	788	747	721	728	712	687	667	695	692	730	748	748	749	745	752	735	727	730	745	734	742
4	734	732	730	727	731	735	736	733	740	741	743	741	745	743	728	740	738	726	720	717	716	721	734	726	732
5 Q	739	740	745	733	728	722	724	722	688	701	659	703	713	736	750	747	742	728	723	723	726	725	726	733	724
6 Q	738	743	741	729	728	734	737	732	736	742	746	746	744	746	748	738	736	721	710	712	719	725	732	735	734
7	742	746	747	740	735	739	734	747	742	721	699	733	758	769	773	765	757	738	721	712	714	720	728	747	738
8	767	762	754	739	741	739	746	744	736	707	736	742	745	748	728	744	736	713	719	726	744	770	826	851	748
9 D	747	743	776	885	858	848	704	206	252	411	572	775	835	713	458	544	747	757	764	757	736	736	798	719	680
10 D	716	721	757	810	767	743	771	760	738	747	724	602	622	720	742	748	716	719	720	718	757	776	787	775	736
11	771	831	748	744	724	738	733	734	733	734	725	711	691	697	711	725	717	720	720	726	726	726	736	763	732
12	758	775	763	750	743	704	702	680	699	718	736	737	739	738	736	734	735	735	730	729	731	761	757	755	735
13	751	772	776	751	749	749	742	741	740	737	739	749	749	739	732	732	736	727	729	723	740	749	731	731	742
14	751	747	793	746	760	788	688	578	713	653	654	732	726	749	754	743	726	723	736	742	749	737	765	825	732
15	773	798	826	772	752	720	734	750	664	610	729	734	739	753	724	694	692	691	678	695	720	735	776	759	730
16	838	816	796	753	744	711	724	704	569	690	654	654	690	723	670	709	742	739	726	709	723	727	721	762	720
17	772	767	774	756	736	742	733	731	730	735	746	731	731	729	736	726	713	699	681	685	699	717	722	735	730
18	766	743	740	740	750	753	750	744	744	749	745	711	736	761	748	751	727	728	717	722	708	742	778	838	745
19 D	827	835	1112	969	822	552	−4	377	−2	259	466	201	239	517	552	660	769	774	771	755	764	762	760	758	604
20	756	754	738	737	755	768	791	650	723	729	735	722	722	741	743	754	755	748	731	710	718	717	719	719	734
21	729	731	739	741	736	749	743	741	742	738	724	733	737	752	753	762	746	733	728	731	733	729	727	729	738
22	740	747	743	761	755	748	745	749	745	743	743	753	761	758	748	731	709	719	731	730	748	741	731	734	742
23 Q	726	741	742	741	742	744	743	744	744	745	744	744	743	742	744	743	748	741	741	743	736	730	724	738	740
24	741	740	755	748	747	743	742	743	745	749	753	758	761	754	743	753	734	731	728	722	719	697	739	750	741
25	740	710	751	753	748	742	742	741	742	742	745	753	757	762	766	767	769	758	749	748	742	729	729	733	746
26	748	749	749	756	754	754	754	760	770	751	762	770	765	769	765	769	752	758	745	736	735	739	749	769	755
27	783	809	792	753	740	740	742	742	742	742	741	742	742	742	744	743	744	738	732	723	716	711	719	735	744
28	738	718	722	723	723	726	730	736	740	744	746	747	751	754	755	758	745	730	723	724	724	727	733	734	735
29 Q	735	746	749	746	746	746	746	748	752	751	750	751	754	751	751	741	729	726	717	706	702	699	709	728	736
30 Q	744	746	754	753	747	743	747	748	748	750	742	739	738	737	737	743	737	726	722	719	713	714	719	742	738
31																									
Mean	756	758	768	762	755	741	712	700	684	694	702	702	714	735	728	735	738	732	726	723	728	733	745	756	730

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 148. Meanook. (D.) East. 25° + . . . ′ June, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	63.0	63.6	64.3	64.5	63.1	63.3	63.9	70.0	77.3	71.8	73.6	76.9	78.6	77.5	77.4	77.5	75.4	68.0	65.9	66.0	65.7	59.3	57.3	58.8	68.4
2 D	59.7	60.2	58.6	57.3	60.5	76.1	77.1	66.9	64.8	66.4	67.0	69.7	71.6	73.7	75.2	75.9	74.7	77.7	80.6	75.0	63.5	58.4	55.1	58.9	67.7
3	59.3	62.7	62.5	63.5	66.2	70.4	64.9	61.6	64.7	64.3	67.8	69.3	73.1	75.2	76.4	75.8	76.6	71.1	68.3	63.0	59.6	60.2	59.5	59.1	66.5
4	59.2	60.4	61.4	62.1	62.5	63.3	64.3	65.9	65.2	64.0	65.0	64.8	67.2	71.4	72.2	75.0	73.7	70.8	66.6	63.4	60.4	60.1	59.6	59.4	64.9
5 Q	60.5	63.1	63.6	63.6	63.6	63.7	63.5	65.8	65.4	67.6	59.7	62.8	69.3	75.3	75.9	75.9	75.6	73.3	69.3	65.1	61.6	61.2	61.1	61.1	66.2
6 Q	62.2	63.7	64.1	63.3	63.3	63.3	64.2	66.0	64.7	64.3	64.5	65.4	67.1	69.3	73.1	75.1	75.0	72.5	68.3	63.5	60.1	57.9	58.5	59.5	65.4
7	60.5	61.1	62.8	63.9	63.1	63.2	64.0	62.1	61.5	62.1	61.5	66.8	73.6	75.0	77.6	77.1	76.6	74.0	65.0	62.5	57.5	58.5	59.7	60.6	65.4
8	62.0	62.5	63.0	64.0	62.8	61.7	61.7	61.0	67.9	66.7	67.7	67.9	71.8	73.3	71.5	74.3	77.8	79.5	62.5	59.1	52.1	55.3	55.4	60.7	65.1
9 D	59.6	58.1	56.7	51.8	58.4	46.8	61.3	80.6	89.2	75.8	67.2	70.7	65.3	84.9	82.5	86.8	74.8	73.9	66.1	60.4	59.3	55.4	56.3	61.2	66.8
10 D	59.2	59.9	57.2	59.4	63.4	51.8	63.6	63.3	62.0	65.7	67.1	69.3	68.2	76.3	76.8	74.0	75.4	66.3	69.7	67.4	65.2	62.6	62.3	61.3	65.3
11	59.3	60.6	62.2	60.6	62.2	64.5	62.8	63.3	63.1	67.3	65.3	67.2	66.6	76.0	74.4	73.8	75.8	73.5	69.6	65.3	62.5	62.1	62.6	60.7	65.9
12	61.4	60.1	60.3	61.1	62.5	62.1	64.2	73.7	65.6	69.0	67.1	68.7	72.3	73.7	73.0	71.6	69.9	68.6	66.3	65.5	63.0	65.1	62.6	59.3	66.1
13	57.7	57.1	60.6	59.3	63.6	68.7	60.5	61.8	62.8	63.2	63.3	65.8	67.2	69.7	71.3	73.7	72.5	71.8	70.1	63.8	56.5	56.7	55.9	54.4	63.7
14	57.0	59.4	57.2	62.4	56.3	68.1	53.6	55.7	68.7	65.1	59.5	67.2	67.9	70.7	74.4	72.7	69.7	67.1	66.4	64.2	61.6	62.7	65.5	66.2	64.1
15																									
16	63.6	66.5	61.3	67.3	62.4	72.4	67.5	70.0	67.9	65.2	65.2	66.5	68.5	72.1	72.4	72.5	75.2	72.9	72.9	66.8	64.3	58.2	57.6	59.0	67.0
17	62.7	60.7	63.5	64.7	64.7	63.8	66.4	63.6	63.5	63.4	63.4	64.3	68.7	70.0	71.2	73.5	72.4	70.8	67.8	62.4	60.1	59.3	58.0	58.5	64.9
18	60.0	62.0	63.4	63.4	65.2	62.7	61.8	62.3	62.0	62.3	62.8	60.8	70.6	76.2	78.3	78.9	77.2	73.1	64.9	63.3	59.3	56.8	51.4	49.6	64.5
19 D	52.7	44.2	45.2	29.4	6.0	45.3	84.0	58.1	63.2	79.4	57.4	46.1	86.3	77.5	84.6	72.9	80.3	78.6	75.4	65.4	60.9	57.6	57.1	56.6	61.0
20	55.7	54.2	57.4	60.5	57.2	59.3	59.0	64.6	66.8	65.5	67.1	65.8	68.8	72.9	74.6	75.3	74.4	71.9	69.7	64.1	62.2	60.5	60.8	60.6	64.5
21	60.6	62.1	63.5	64.7	63.2	63.4	64.7	64.8	65.6	62.6	60.8	62.3	68.2	72.5	72.6	72.3	70.7	67.0	65.6	64.4	62.8	60.8	61.3	61.8	64.9
22	62.0	61.1	62.3	63.1	66.2	63.2	63.1	64.0	64.7	65.1	64.8	65.9	69.3	71.3	72.2	75.3	75.4	73.3	70.9	66.4	62.7	59.9	57.3	57.2	65.7
23 Q	58.2	61.0	63.0	62.5	63.0	63.9	64.2	64.9	63.8	64.0	65.1	67.2	69.2	71.2	73.9	75.4	75.5	72.4	68.2	64.4	64.1	61.6	58.5	57.2	65.5
24	62.8	64.2	62.5	64.2	64.0	64.1	64.1	63.9	64.2	64.0	63.7	64.3	66.8	71.3	74.1	77.6	76.4	70.5	65.8	67.0	63.5	56.3	55.6	57.3	65.3
25	59.4	62.3	65.3	67.5	68.1	65.9	63.5	62.3	62.3	62.6	63.9	64.1	66.6	69.0	70.8	72.4	73.5	74.5	73.4	69.5	64.8	60.8	58.1	58.2	65.8
26	59.9	61.5	62.4	61.9	62.5	63.0	63.3	63.2	64.7	71.4	73.0	67.2	67.8	71.1	71.8	76.4	75.4	72.8	70.7	66.9	60.4	57.0	53.7	56.1	65.6
27	56.8	58.2	57.7	61.0	62.1	62.0	65.3	67.5	66.4	64.4	65.1	66.2	68.7	70.9	73.8	74.2	73.9	73.2	71.8	69.9	67.0	63.1	59.2	58.4	65.7
28	58.6	62.2	62.2	62.2	62.5	63.1	63.5	64.5	65.0	65.5	66.0	67.1	68.9	70.9	74.8	77.9	78.2	76.6	73.3	67.9	62.0	58.3	57.2	58.2	66.1
29 Q																									
30 Q	59.3	60.4	62.2	62.6	62.5	62.3	61.7	61.9	62.6	62.6	63.7	66.9	69.2	73.3	72.8	75.8	77.1	75.3	72.1	65.5	59.0	56.0	54.9	56.9	64.8
31																									
Mean	59.7	60.5	60.9	61.1	60.8	62.9	64.3	64.8	65.9	66.1	64.9	66.0	69.9	73.3	74.6	75.3	75.0	72.5	69.2	65.3	61.5	59.3	58.3	58.8	65.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 149. Meanook. (Z.) 59,000 γ + June, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	354	346	344	348	350	351	350	310	242	186	304	358	174	345	368	366	367	366	364	372	397	408	390	379	339
2 D	415	356	365	384	417	342	318	346	351	350	380	380	376	398	383	382	373	370	384	415	452	460	450	461	388
3	451	429	440	449	403	275	314	332	320	294	308	306	302	340	359	370	380	372	379	377	375	387	393	389	364
4	378	368	361	361	361	363	361	361	361	361	362	360	364	359	350	360	365	362	355	358	368	373	382	382	364
5 Q	375	366	366	360	358	360	359	341	228	244	248	316	317	340	365	366	365	364	364	364	365	366	375	379	344
6 Q	381	378	367	361	361	362	359	359	365	365	366	368	367	361	355	350	351	351	352	353	364	365	367	371	362
7	372	370	363	363	363	370	375	372	363	288	222	284	345	364	367	365	354	356	359	356	352	355	365	369	350
8	388	398	408	393	380	370	368	366	346	287	317	314	331	349	324	326	344	346	346	346	362	377	406	484	362
9 D	387	359	380	450	236	324	326	159	354	424	367	392	407	312	258	272	353	398	399	398	392	386	410	391	356
10 D	378	374	392	421	405	290	381	396	362	387	364	299	308	338	371	386	374	370	372	387	421	414	413	414	376
11	405	439	378	377	369	370	367	363	352	343	332	340	327	333	354	361	364	369	367	362	366	364	368	389	365
12	403	406	395	390	347	288	325	238	299	314	372	371	369	361	361	360	358	359	359	355	354	370	388	398	356
13	397	417	406	397	398	354	375	370	365	363	365	374	377	372	369	368	372	367	367	370	381	394	395	385	379
14	379	378	413	417	394	391	326	270	330	318	317	360	356	373	382	381	374	363	373	384	375	382	410	443	370
15																									
16	423	417	430	419	390	299	325	307	158	266	278	231	287	332	306	336	367	379	376	379	406	412	392	393	346
17	411	395	400	375	375	379	350	323	320	355	371	363	358	358	370	372	367	360	357	356	367	380	391	392	368
18	410	391	383	371	371	365	362	356	363	363	358	311	308	338	348	354	348	341	339	336	334	362	369	369	356
19 D	442	451	320	287	263	375	230	602	453	608	613	374	504	400	350	410	372	404	400	394	399	397	393	391	410
20	388	386	375	380	374	380	375	254	305	331	344	357	362	372	366	365	367	367	363	358	356	360	361	363	359
21	364	364	362	363	359	366	351	334	345	341	307	326	341	360	362	362	364	360	343	341	343	345	352	362	351
22	364	363	356	359	364	358	359	358	348	345	322	342	351	355	353	351	334	331	333	334	344	348	349	356	349
23 Q	356	355	353	347	349	350	351	352	346	344	343	350	351	348	345	345	340	340	340	340	341	345	340	344	346
24	346	349	355	353	352	359	358	351	348	347	348	349	353	345	328	336	340	334	331	338	352	359	368	384	349
25	385	375	372	374	371	361	352	348	347	347	352	360	361	360	358	355	352	349	347	348	348	350	354	357	358
26	357	359	353	348	345	346	346	347	341	301	330	348	358	358	349	346	346	346	335	333	339	349	364	408	348
27	452	449	428	401	372	367	363	334	344	351	351	357	359	360	367	369	367	356	349	343	344	345	353	366	369
28	373	360	363	358	356	357	357	358	359	358	361	361	362	364	367	368	367	368	368	359	357	359	369	372	362
29 Q																									
30 Q	373	373	384	377	372	371	371	371	374	373	371	368	373	368	362	371	372	364	359	355	361	369	381	397	371
31																									
Mean	390	385	379	378	363	352	348	342	335	341	345	344	348	356	353	359	361	361	360	361	368	374	380	389	361

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 150 Meanook — June, 1936.

Day	Horizontal Force: Maximum 12,000 γ +			Horizontal Force: Minimum 12,000 γ +			Horizontal Force: Range	Declination: Maximum 25° East +			Declination: Minimum 25° East +			Declination: Range	Vertical Force: Maximum 59,000 γ +			Vertical Force: Minimum 59,000 γ +			Vertical Force: Range	Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 D	14	32	792	11	33	299	493	9	57	123.5	10	48	34.3	89.2	10	0	553	8	40	74	479	3466	1
2 D	23	52	952	9	7	660	292	5	23	92.8	21	23	51.0	41.8	21	12	481	6	5	267	214	1640	1
3	0	0	896	10	33	626	270	5	38	84.6	0	3	51.1	33.5	3	28	470	6	2	210	260	1885	1
4	22	18	759	19	50	708	51	15	37	76.3	20	47	58.3	18.0	0	0	390	14	48	342	48	350	1
5 Q	2	34	754	10	41	607	147	14	4	77.0	10	38	55.9	21.1	24	0	381	8	10	173	209	1421	1
6 Q	1	24	748	18	30	709	39	15	26	76.4	21	22	57.3	19.1	4	0	374	6	53	349	25	196	0
7	14	1	779	9	56	685	94	14	12	78.2	10	2	55.8	22.4	24	0	379	10	13	204	175	1157	1
8	23	10	942	9	11	649	293	17	52	85.7	19	59	49.8	35.9	23	8	511	9	12	201	310	2210	1
9 D	4	6	953	7	33	132	821	8	39	121.5	4	48	23.8	97.7	9	43	549	6	54	40	509	4061	2
10 D	23	18	839	11	39	517	322	14	37	79.3	5	33	39.9	39.4	4	53	443	5	38	164	279	2063	1
11	1	41	840	11	58	679	161	16	37	79.8	1	17	55.6	24.2	1	18	451	10	35	306	145	1064	1
12	1	21	794	5	18	651	143	7	8	85.9	5	4	50.8	35.1	23	27	408	5	17	186	222	1498	1
13	21	47	796	20	2	696	100	5	9	78.6	23	50	50.9	27.7	1	41	442	5	23	307	135	928	1
14	23	3	864	7	11	440	424	7	33	80.2	7	7	22.0	58.2	23	4	452	7	30	233	219	1837	1
15	2	45	858	9	30	508	350																1
16	1	28	835	8	10	508	327	5	14	90.3	22	9	55.1	35.2	3	30	459	8	16	66	393	2740	1
17	2	47	796	19	30	681	115	17	4	76.5	22	46	56.2	20.3	0	10	420	7	53	184	236	1545	1
18	23	58	905	11	33	683	222	16	16	82.5	23	7	41.5	41.0	23	30	530	11	48	276	254	1787	1
19 D	2	42	1347	5	40	-359	1706	10	56	121.4	4	4	-67.8	189.2	9	41	789	6	46	40	749	6609	2
20	6	12	837	7	23	519	318	7	23	85.5	4	45	50.9	34.6	5	33	398	7	57	133	265	1975	1
21	15	30	769	10	33	713	56	14	10	74.2	10	39	58.4	15.8	16	25	371	10	38	288	83	562	1
22	3	35	773	16	52	701	72	15	42	77.1	23	0	56.9	20.2	13	36	364	10	27	305	59	441	0
23 Q	23	54	763	22	43	717	46	16	19	77.1	23	52	56.3	20.8	1	25	361	23	0	336	25	206	0
24	15	20	774	21	4	684	90	15	57	80.0	21	38	54.3	25.7	23	45	391	14	12	311	80	588	0
25	15	51	775	21	9	727	48	17	25	75.4	22	47	57.3	18.1	0	7	392	7	50	346	46	334	0
26	23	19	808	19	35	727	81	16	28	81.4	22	38	51.5	29.9	24	0	436	9	34	268	168	1099	1
27	0	12	837	21	50	696	141	14	30	75.0	1	49	54.6	20.4	1	8	461	7	30	318	143	1027	1
28	14	40	759	21	20	720	39	15	20	78.4	22	35	56.9	21.5	0	11	381	4	53	354	27	210	0
29 Q	13	0	754	21	40	696	58																0
30 Q	2	35	761	21	14	708	53	16	12	78.2	22	27	54.7	23.5	24	0	398	18	50	353	45	334	0
31																							
Mean			835			590	245			84.7			46.2	38.5			444			237	207	1544	0.80
No. days			30			30	30			28			28	28			28			28	28	28	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 151. Meanook. (H.) 12,000 γ + July, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	747	747	748	721	709	702	711	717	717	722	735	745	742	745	745	746	753	755	753	750	758	752	744	739	738
2 D	746	767	769	768	774	769	787	589	258	170	214	221	27	-66	52	315	750	813	785	773	775	787	785	803	596
3	816	808	740	745	749	725	737	700	736	718	695	694	718	713	736	755	749	735	724	721	730	730	727	726	734
4	723	728	731	738	732	736	738	739	728	673	711	745	742	741	757	765	748	731	712	715	714	721	708	719	728
5	728	737	759	775	774	853	805	690	736	484	241	285	362	599	729	786	777	745	737	735	729	735	740	764	526
6 D	861	938	849	710	714	720	723	728	711	722	564	-15	248	389	568	673	729	751	749	722	718	723	821	839	521
7	850	847	772	794	742	730	729	726	657	552	645	742	703	732	766	761	726	713	704	707	709	713	719	748	564
8	739	763	763	783	775	759	692	689	722	733	735	733	757	751	747	749	720	710	709	700	703	704	705	724	732
9	729	728	735	740	742	745	737	732	721	718	742	742	741	726	706	715	733	741	724	711	682	685	728	760	727
10 D	767	754	753	747	809	745	724	733	753	742	735	715	713	729	689	575	596	674	712	846	952	964	936	930	762
11 D	897	889	901	790	722	723	715	621	334	477	457	569	447	611	661	721	723	726	723	739	738	735	744	762	684
12	753	791	772	741	726	726	728	739	729	743	741	743	750	746	735	737	729	716	714	717	715	722	707	757	736
13	737	754	781	796	758	771	753	741	708	646	635	626	624	688	709	727	743	732	737	733	725	725	731	736	722
14 Q	747	750	751	750	750	748	752	744	744	746	748	750	752	754	756	741	730	720	710	707	709	713	730	741	739
15 Q	744	732	730	730	725	737	732	727	730	730	733	730	745	752	748	742	729	711	699	698	698	704	713	728	726
16	732	759	830	813	828	813	776	738	735	728	728	725	727	722	735	739	732	717	704	702	696	704	715	745	743
17	731	764	837	761	750	748	740	736	736	731	727	700	719	729	750	746	746	729	732	731	723	728	724	755	740
18	769	762	802	773	747	739	737	732	730	743	744	751	757	756	766	759	752	742	727	725	723	723	724	746	747
19	734	751	745	746	745	740	742	739	739	733	718	736	737	718	700	745	744	734	720	733	728	736	751	746	736
20	762	763	758	753	751	740	738	706	687	725	740	737	745	749	737	727	733	718	706	707	707	715	719	728	731
21 Q	736	739	739	742	741	740	741	745	746	747	747	750	756	762	771	763	750	732	722	732	725	725	722	734	742
22	742	742	754	744	748	745	739	742	726	735	751	750	754	751	736	737	739	733	725	730	735	737	745	727	740
23 Q	733	748	750	746	740	737	737	739	739	743	740	738	751	752	747	742	728	722	710	702	695	704	724	739	734
24 Q	744	751	744	743	743	744	744	745	738	740	731	744	737	739	754	756	742	735	727	710	710	721	732	750	638
25	737	746	749	759	750	742	747	745	746	746	730	719	720	742	759	757	737	715	699	697	702	693	722	735	733
26	751	756	746	748	743	737	733	738	735	737	742	748	755	760	754	751	743	738	726	719	716	716	724	730	639
27	735	749	748	746	746	748	748	754	749	741	743	748	756	717	720	724	742	718	693	701	705	707	728	764	734
28	778	764	778	807	788	754	746	743	748	750	746	757	765	773	764	748	739	729	730	728	729	726	730	735	752
29 D	736	737	744	745	743	742	759	759	709	536	541	553	329	536	514	529	725	734	702	715	743	732	731	754	668
30	805	920	848	893	799	744	702	662	661	663	727	700	711	739	750	745	733	721	711	716	721	728	736	741	744
31	736	734	735	734	734	735	737	741	752	694	652	733	758	759	757	759	735	732	711	714	712	742	731	744	732
Mean	760	772	770	760	752	746	740	722	698	680	672	664	662	688	704	717	734	730	720	724	726	730	738	753	724

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 152. Meanook. (D.) East 25° + . . . ′ July, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	59.3	62.2	62.7	63.5	61.8	61.6	62.1	62.2	62.8	63.7	65.0	67.1	68.8	71.5	74.1	76.1	75.8	74.4	71.2	66.0	61.4	57.0	54.1	54.7	65.0
2 D	55.4	54.9	55.5	57.1	56.3	57.8	54.1	60.3	81.6	86.2	87.5	95.9	88.8	80.7	91.5	101.3	78.7	78.3	76.3	75.4	66.1	65.1	62.4	62.6	72.1
3	61.1	63.6	62.0	63.4	63.7	65.6	64.6	70.5	65.5	64.4	66.6	66.5	69.7	72.4	74.1	76.7	76.7	75.1	70.4	66.8	63.6	60.8	60.6	61.5	66.9
4	61.9	62.7	63.8	63.3	63.5	63.2	63.5	63.6	63.4	61.5	66.3	66.5	67.1	68.4	71.3	73.8	73.9	70.4	69.2	63.9	62.3	60.6	57.2	57.0	64.9
5	59.4	61.6	61.6	62.0	61.7	63.5	63.5	74.7	64.4	70.7	88.3	93.9	85.9	82.7	74.9	74.1	73.0	70.9	63.4	62.3	56.4	56.5	56.0	59.5	68.4
6 D	56.4	56.3	55.7	63.5	63.9	64.0	67.5	63.4	63.2	59.7	61.0	57.8	102.6	92.4	81.5	75.8	78.5	73.1	68.9	65.2	60.6	60.5	63.0	59.6	67.2
7	55.5	59.0	57.4	65.3	60.1	62.8	62.3	63.4	57.4	56.5	67.8	65.1	66.2	66.2	70.4	73.7	77.5	75.2	69.8	63.9	58.4	55.5	55.5	55.4	63.3
8	56.4	58.5	58.3	66.6	59.0	63.1	58.7	61.2	61.6	61.9	62.1	62.7	66.8	68.6	71.5	71.7	73.6	70.2	66.5	71.4	56.4	57.0	56.4	57.8	63.2
9	58.8	60.8	61.9	61.9	61.5	61.9	63.6	63.4	61.4	60.9	62.9	64.2	65.4	66.5	67.8	70.1	72.2	69.1	67.1	63.5	57.7	54.0	53.7	54.0	62.7
10 D	54.7	58.7	58.8	60.1	63.5	72.0	59.9	64.0	62.6	60.3	60.5	62.6	65.8	71.6	71.1	69.7	49.5	53.0	78.4	80.2	75.9	69.9	66.2	60.2	64.6
11 D	54.5	52.6	49.0	57.4	56.6	60.2	61.2	58.6	64.3	62.2	69.8	71.0	78.4	71.9	72.3	65.9	74.6	70.0	69.2	63.8	61.1	57.8	55.9	57.2	63.1
12	57.3	51.3	59.4	55.8	55.9	57.7	58.2	59.2	60.6	60.9	62.2	63.8	65.9	68.2	71.7	74.2	76.1	73.0	69.9	66.0	61.1	56.7	52.7	51.0	62.0
13	54.4	53.2	53.7	56.0	65.6	61.0	62.1	58.8	55.3	57.3	63.7	65.8	60.8	69.0	70.1	73.7	71.5	69.2	66.6	60.2	58.3	58.9	58.6	58.5	61.8
14 Q	60.0	61.6	62.2	62.2	62.0	64.0	64.7	59.7	61.2	62.8	64.5	66.1	67.7	69.3	70.8	72.7	73.3	70.2	68.1	61.8	57.1	56.8	57.3	57.0	63.9
15 Q	56.8	58.8	60.9	60.2	60.1	64.5	62.2	63.3	60.4	60.4	61.2	63.5	67.7	67.8	68.3	68.1	67.5	67.4	68.5	63.0	60.4	57.4	55.9	56.2	62.5
16	57.3	58.5	60.4	67.6	60.8	56.3	60.9	57.3	59.2	60.7	62.7	65.1	69.5	72.3	73.2	74.3	74.8	74.0	67.6	61.6	56.1	53.0	52.5	53.5	62.9
17	55.8	56.3	55.3	59.0	57.6	57.3	57.3	57.3	57.4	59.8	60.3	60.4	62.4	67.1	72.8	74.4	73.7	76.3	69.3	56.3	54.1	52.4	52.0	53.2	60.7
18	54.7	52.9	51.5	59.0	62.1	64.6	58.4	61.6	62.2	61.0	61.7	62.6	65.4	65.2	69.0	68.1	69.5	70.4	67.0	62.9	56.7	55.7	55.4	58.0	61.5
19	60.7	63.3	64.4	60.8	61.7	63.9	63.5	60.2	61.3	59.8	58.3	61.8	63.7	64.8	63.5	68.7	72.4	68.7	63.7	60.4	56.9	55.2	55.5	57.8	62.1
20	59.5	63.8	62.8	60.7	61.8	69.2	61.7	63.9	64.0	61.0	59.8	60.7	64.6	67.1	66.7	67.7	68.7	65.7	62.8	57.5	53.9	55.1	55.6	57.9	62.2
21 Q	60.7	61.7	63.1	62.4	62.2	61.6	61.6	62.0	64.1	61.6	61.2	60.8	63.0	66.1	70.1	70.7	71.9	71.0	65.4	59.0	55.5	53.8	55.2	57.8	62.6
22	59.5	60.8	62.0	63.6	63.6	62.2	61.2	60.5	58.0	59.2	61.2	62.1	64.3	65.4	66.8	68.6	68.9	68.6	64.5	59.4	55.2	53.9	55.8	57.2	61.8
23 Q	58.7	60.1	61.5	61.7	61.7	61.5	61.2	60.8	61.1	60.8	59.6	62.2	65.2	68.0	70.1	71.0	71.8	69.4	65.2	62.4	58.7	56.5	56.5	57.3	62.6
24 Q	58.8	60.8	61.5	61.5	62.0	61.5	61.1	61.7	65.9	63.9	62.1	63.9	65.7	70.6	73.7	72.6	71.3	69.2	65.0	62.3	58.9	56.4	55.3	55.4	63.4
25	57.5	57.1	57.5	56.4	59.6	56.0	57.5	58.0	58.5	59.8	60.1	60.3	62.6	69.7	74.1	72.3	71.0	67.8	63.3	60.0	57.8	55.5	53.4	54.5	60.8
26	53.3	54.8	57.6	58.4	59.8	58.9	59.3	60.3	58.8	60.3	62.4	63.4	65.1	66.9	71.1	71.9	71.2	67.7	64.0	59.9	57.6	57.0	57.4	56.8	61.4
27	57.4	58.9	60.6	61.0	60.9	60.8	60.8	60.4	61.2	61.4	63.0	63.2	65.4	64.4	68.7	70.7	70.3	70.1	64.8	58.9	57.9	55.9	54.1	53.2	61.8
28	55.1	57.5	58.8	64.2	59.5	60.0	59.5	61.2	60.4	60.8	61.3	62.9	65.4	67.7	69.2	70.5	70.9	70.2	67.2	61.5	58.9	56.7	55.9	56.2	62.1
29 D	57.6	59.0	59.5	60.4	60.5	61.3	60.3	61.4	63.7	80.6	74.8	67.3	60.6	67.6	85.7	87.8	80.9	75.8	63.3	57.5	56.1	55.9	57.2	57.6	65.5
30	58.4	65.8	66.2	63.7	80.2	64.3	63.5	59.0	66.4	58.7	61.4	61.3	62.5	68.2	71.5	71.0	69.6	66.2	61.3	57.8	54.7	54.8	55.3	56.6	63.3
31	58.3	59.9	59.9	60.2	60.5	60.2	60.5	60.4	58.7	56.0	62.9	66.0	66.2	72.0	74.3	72.8	71.3	67.3	64.4	60.4	57.1	56.6	55.6	57.8	62.5
Mean	57.6	58.9	59.5	61.2	61.6	62.0	61.2	61.7	62.1	62.4	64.6	65.7	68.4	70.0	72.3	73.2	72.3	70.2	67.2	62.9	58.8	57.1	56.4	56.9	63.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 153. Meanook. (Z.) 59,000 γ + July, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	403	391	378	366	363	363	363	364	365	366	368	370	367	364	361	364	360	348	343	345	353	358	360	365	364
2 D	364	362	364	366	355	364	375	117	63	312	437	482	460	284	249	452	387	366	374	383	389	472	404	425	358
3	446	434	384	385	395	392	382	295	352	343	295	316	336	334	348	376	372	371	370	368	369	370	373	375	366
4	373	372	365	365	364	365	368	359	330	243	297	349	364	356	363	370	367	365	365	366	363	368	374	370	356
5	374	372	373	394	429	417	329	325	327	339	131	175	105	169	298	381	409	384	385	386	392	391	396	409	337
6 D	449	475	446	381	369	373	378	357	312	313	252	309	357	318	250	328	370	381	373	378	375	404	450	445	368
7	432	398	415	387	385	384	379	366	172	120	220	332	325	365	384	383	369	367	362	361	351	360	370	388	349
8	392	394	388	408	403	395	295	298	309	328	337	348	372	369	369	372	362	354	346	349	357	371	370	376	361
9	376	370	355	353	353	357	364	355	323	314	345	355	360	350	319	323	335	343	348	346	344	346	367	381	349
10 D	408	377	375	373	373	316	322	323	323	328	331	331	330	331	330	291	347	373	431	505	457	435	463	441	371
11 D	299	410	412	410	408	394	383	368	318	264	246	254	256	259	272	288	296	317	317	318	335	341	348	346	327
12	333	357	349	348	329	325	321	323	320	324	331	334	341	342	340	343	342	334	328	329	339	351	342	359	337
13																									
14 Q	346	346	347	351	347	346	342	316	297	312	319	324	329	334	339	333	332	329	329	332	333	340	350	357	334
15 Q	357	350	344	340	339	331	283	314	330	334	338	334	341	345	350	345	341	331	333	334	335	340	349	352	337
16	353	353	397	401	419	377	404	354	350	329	341	346	343	332	334	336	336	336	334	331	332	330	339	352	352
17	354	358	421	357	337	332	334	331	332	332	332	331	330	329	328	325	325	322	319	315	315	315	313	317	334
18	309	363	391	388	362	351	342	345	325	330	336	343	345	343	345	355	356	349	342	339	344	348	351	366	349
19	367	378	358	345	343	335	322	330	320	311	307	324	323	305	286	325	336	337	335	335	338	339	349	356	334
20	358	366	349	346	344	334	323	281	246	288	327	333	339	339	330	319	329	338	331	331	328	328	328	338	328
21 Q	346	340	338	336	334	329	328	325	316	324	326	332	336	339	339	339	333	331	328	326	324	329	332	339	332
22	339	338	331	330	328	327	325	323	291	273	313	327	328	322	314	307	317	323	317	320	327	326	329	333	321
23 Q	329	329	331	328	326	325	322	320	319	320	318	305	320	327	327	326	321	315	317	317	312	312	315	323	321
24 Q	326	324	319	318	317	316	316	316	311	312	294	302	306	307	312	316	315	311	310	306	309	312	316	326	313
25	326	324	323	325	341	332	318	317	316	318	316	234	250	285	316	320	316	315	310	311	317	323	334	339	314
26	338	351	352	341	341	329	317	315	292	280	314	324	327	328	326	332	326	323	319	316	314	313	320	326	324
27	326	323	319	315	315	314	315	317	311	303	303	314	317	288	284	287	294	301	300	293	311	319	335	345	310
28	363	349	367	393	398	363	324	320	317	318	317	328	327	324	323	319	321	323	322	315	315	314	310	315	333
29 D	315	313	310	310	309	309	311	314	275	267	67	249	269	89	77	253	229	265	292	310	351	364	377	364	274
30	385	389	385	363	313	321	290	272	260	263	293	280	292	322	322	321	321	322	322	320	323	324	325	324	319
31	323	319	311	308	306	306	306	309	311	182	106	267	310	312	308	315	308	315	314	321	323	336	347	345	300
Mean	360	364	363	358	355	347	336	319	301	300	295	318	324	314	315	335	336	336	337	340	342	349	354	360	336

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 154 Meanook — July, 1936.

Day	Horizontal Force							Declination							Vertical Force							Character $\frac{HR_H+ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	16	18	761	5	41	691	70	15	50	78.4	22	23	53.2	25.2	0	35	406	17	42	339	67	486	0
2 D	16	59	852	13	9	-263	1115	12	19	172.7	7	27	42.7	130.0	12	28	833	13	24	-131	964	7010	2
3	1	12	843	9	39	652	191	16	13	80.8	22	20	60.0	20.8	0	58	477	7	41	229	248	1714	1
4	14	54	774	9	38	632	142	15	33	75.1	22	49	55.5	19.6	15	45	375	9	37	195	180	1246	1
5	6	0	897	10	1	-18	915	8	52	142.3	22	32	54.2	88.1	9	34	458	10	16	-87	545	4394	2
6 D	1	6	959	11	29	-493	1452	12	2	240.4	11	33	-7.5	247.9	12	47	760	11	28	-66	826	6733	2
7	0	53	964	9	17	478	486	16	25	80.8	9	14	36.4	44.4	0	56	506	8	53	25	481	3469	1
8	3	33	816	6	29	637	179	3	34	80.4	6	23	51.6	28.8	3	27	468	7	21	254	214	1487	1
9	23	18	770	20	59	665	105	16	16	73.5	22	48	52.6	20.9	23	57	390	9	14	290	100	726	1
10 D	21	57	1095	15	48	457	638	4	56	99.3	16	13	37.3	62.0	19	51	588	15	22	273	315	2678	2
11 D	2	49	998	8	22	-33	1031	11	55	109.1	9	28	-13.2	122.3	2	45	424	10	50	208	216	2581	2
12	23	28	814	20	25	681	133	16	19	79.9	23	21	47.1	32.8	2	10	401	19	25	319	82	656	1
13	4	9	867	12	6	550	317	13	57	76.6	9	7	43.7	32.9									1
14 Q	0	12	770	9	15	698	72	15	58	75.2	20	48	55.5	19.7	23	27	360	8	28	293	67	488	1
15 Q	6	14	757	20	0	684	73	5	47	74.6	22	12	54.0	20.6	0	50	361	6	22	252	109	740	1
16	2	51	890	20	44	684	206	16	13	76.4	5	41	48.7	27.7	2	48	464	9	22	319	145	1123	1
17	2	48	920	0	47	685	235	17	20	81.3	23	38	48.4	32.9	2	43	493	22	30	308	185	1395	1
18	1	21	838	18	25	709	129	17	9	72.7	2	9	485	24.2	2	51	439	8	35	316	123	893	1
19	1	48	800	14	8	679	121	16	12	74.9	21	28	54.0	20.9	1	47	391	14	10	273	118	855	1
20	2	58	765	8	41	625	140	5	38	74.5	20	23	52.0	22.5	1	17	375	8	41	202	173	1204	1
21 Q	14	52	774	22	16	714	60	16	34	72.9	21	4	53.0	19.9	0	40	348	8	12	310	38	301	0
22	2	9	763	11	2	711	52	17	21	70.0	21	22	53.2	16.8	0	12	344	9	10	240	104	683	1
23 Q	13	10	755	20	25	695	60	16	22	73.9	21	20	56.3	17.6	2	20	334	11	37	295	39	307	0
24 Q	14	38	760	20	10	701	59	14	28	74.5	22	53	54.5	20.0	23	59	333	10	43	288	45	342	0
25	4	5	767	21	39	678	89	13	48	75.9	22	40	52.6	23.3	4	34	353	11	29	221	132	896	1
26	2	0	774	21	34	714	60	15	49	72.3	0	17	52.2	20.1	2	2	363	9	2	248	115	758	1
27	23	50	768	18	49	677	91	17	51	72.6	23	30	52.8	19.8	24	0	353	14	6	265	88	636	1
28	3	11	873	21	30	716	157	3	23	78.2	22	1	55.1	23.1	3	13	462	7	56	309	153	1108	1
29 D	16	19	801	12	40	-4	805	14	53	115.4	12	43	44.6	70.8	15	11	447	10	48	5	442	3645	2
30	4	0	973	9	19	596	377	4	36	103.4	5	49	52.3	51.1	2	50	410	9	21	221	189	1600	1
31	14	58	772	10	28	621	151	16	15	77.2	9	29	52.0	25.2	22	14	357	10	31	76	281	1858	1
Mean			836			523	313			90.5			46.9	43.6			436			210	226	1733	1.06
No. days			31			31	31			31			31	31			30			30	30	30	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 155. Meanook. (H.) 12,000 γ + August, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	749	813	791	762	744	727	617	733	737	741	746	749	750	750	744	735	726	717	703	705	712	715	732	740	735
2	748	750	742	736	737	734	733	738	740	745	748	749	755	760	763	752	746	730	717	715	721	728	723	727	739
3	750	751	743	740	745	735	740	746	746	748	750	752	750	748	745	754	743	740	725	723	727	730	717	737	741
4	749	745	741	757	745	744	739	741	740	740	727	736	740	748	757	757	748	727	714	710	706	721	725	734	737
5 D	740	756	758	740	741	748	746	746	739	742	731	728	709	705	697	729	742	714	706	712	716	721	728	750	731
6 D	758	772	807	775	832	762	526	741	732	736	734	679	708	729	702	743	747	736	725	709	710	708	720	734	730
7 Q	741	743	739	738	737	737	741	743	745	746	746	747	748	752	751	740	728	721	728	729	728	731	742	740	739
8 D	744	753	748	748	746	746	751	747	744	744	741	743	744	733	736	731	723	711	714	714	717	710	720	743	735
9	746	751	761	787	761	755	751	750	741	728	685	668	393	729	723	723	725	720	712	704	714	729	737	761	719
10 D	760	751	760	780	842	806	745	715	695	651	667	640	602	696	745	751	737	735	736	724	714	713	719	738	726
11 Q	746	750	746	737	739	737	746	746	741	729	743	743	741	743	742	743	730	722	716	718	717	726	721	732	736
12	745	745	747	747	743	738	745	745	745	745	743	746	752	756	743	738	728	727	723	714	707	701	727	733	737
13	719	733	738	751	743	749	747	724	671	688	721	745	744	742	741	728	716	703	707	708	709	706	715	726	724
14	737	746	743	742	742	743	744	747	751	752	755	757	760	759	756	736	729	714	705	713	723	728	733	737	740
15	743	737	734	749	739	741	723	723	681	753	746	745	748	749	734	748	733	715	706	702	703	712	714	729	729
16	736	738	736	738	737	739	738	738	742	745	740	746	750	753	753	746	724	710	709	710	711	711	721	737	734
17	747	753	742	734	728	733	736	737	737	738	737	737	739	749	748	736	717	703	696	699	706	722	729	740	731
18 Q	752	749	738	736	733	738	740	740	742	745	744	745	743	744	747	738	721	712	713	715	725	728	734	744	736
19 Q	747	738	737	742	742	741	742	743	745	746	750	745	736	750	759	755	746	723	707	707	713	720	730	743	738
20	744	743	742	742	743	742	744	746	747	750	748	749	755	765	748	736	729	719	714	714	714	713	724	738	738
21	729	723	736	738	738	742	740	742	716	733	724	733	737	739	749	750	735	717	710	709	716	721	729	747	731
22	751	747	742	745	741	743	730	732	737	741	746	742	741	739	755	747	724	704	691	700	710	716	718	728	732
23 Q	734	740	742	742	741	740	746	744	742	745	746	747	751	755	754	752	741	726	723	723	720	715	718	729	738
24	728	738	740	740	740	738	744	745	748	753	753	744	752	744	747	742	725	717	718	715	718	719	722	732	736
25	741	749	739	735	737	739	745	745	748	751	752	753	755	760	758	741	716	700	681	690	702	727	732	744	735
26	751	725	730	742	743	746	747	752	755	756	752	749	757	762	760	745	721	699	699	700	711	722	725	729	736
27	736	730	741	741	738	744	749	758	759	756	746	714	707	677	699	742	728	703	685	696	703	714	725	738	726
28	728	730	741	742	755	738	736	723	745	752	744	743	745	749	753	743	718	699	694	699	701	710	726	737	731
29	743	735	742	750	741	741	742	746	746	747	747	746	745	747	747	728	717	708	708	709	713	720	730	736	735
30 D	756	768	825	876	829	792	772	761	734	723	727	728	730	734	717	725	712	686	674	714	726	731	740	746	747
31	736	736	722	747	727	731	742	744	733	735	737	735	735	735	727	717	711	703	703	695	690	701	708	721	724
Mean	743	746	748	751	750	745	732	741	736	739	738	735	726	742	742	740	728	715	708	710	713	718	725	737	734

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 156. Meanook. (D.) East 25° + . . . ′ August, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	60.7	62.2	62.1	65.0	61.0	61.5	62.7	58.5	63.6	61.0	60.5	61.8	64.0	66.1	66.9	67.7	68.4	64.8	59.8	56.1	55.0	53.6	54.8	57.1	61.4
2	60.3	62.0	61.6	60.8	61.8	63.6	61.4	60.0	59.7	60.5	60.3	62.4	65.8	68.6	71.4	72.4	73.1	70.8	66.4	59.3	57.2	55.3	55.5	55.7	62.7
3	56.2	57.0	59.2	59.9	59.3	61.7	60.7	60.0	59.9	61.0	61.4	62.6	63.5	66.4	71.6	74.5	73.3	69.4	63.3	55.7	56.1	54.9	52.8	52.5	61.4
4	53.2	57.9	61.0	64.7	65.0	61.0	59.3	59.3	59.3	58.5	57.6	62.0	64.5	66.6	70.2	70.5	71.4	70.8	65.7	60.0	55.9	54.0	54.3	55.3	61.6
5 D	57.1	57.5	58.4	58.9	58.8	58.4	58.8	59.2	58.1	61.6	61.0	63.1	70.2	66.7	67.5	70.2	75.9	76.0	67.5	59.9	53.1	52.3	52.6	52.6	61.5
6 D	52.5	53.2	58.9	56.3	54.2	60.5	54.1	67.0	60.8	59.8	58.8	56.5	64.3	69.7	69.5	72.0	74.4	70.4	65.8	60.1	56.0	54.2	52.1	52.3	60.6
7 Q	54.4	57.4	59.5	59.8	60.5	60.8	61.1	61.3	61.6	61.7	62.2	63.6	65.8	68.5	71.4	73.1	72.3	67.4	62.0	58.0	53.7	52.1	51.7	53.2	61.4
8 D	55.2	57.5	58.0	58.5	57.0	58.7	57.0	63.8	61.7	61.0	61.7	63.7	64.2	65.3	69.0	70.6	74.0	73.3	59.0	61.8	54.9	49.3	50.7	51.7	60.7
9	53.5	56.4	59.5	66.0	67.0	61.6	62.8	61.7	59.9	59.9	60.0	60.1	67.7	70.1	69.3	68.5	68.4	66.9	63.6	59.1	53.3	53.0	53.2	54.7	61.5
10 D	53.2	55.2	56.2	55.5	51.6	57.6	60.6	65.9	64.8	61.9	62.0	56.4	61.7	63.2	70.1	73.3	73.4	68.4	62.8	58.8	57.1	56.7	56.7	57.2	60.8
11 Q	58.3	58.8	59.1	59.3	59.4	61.1	63.0	62.8	59.9	57.4	59.4	61.8	64.5	67.6	69.6	69.9	69.1	66.6	60.1	57.3	55.3	54.5	54.7	56.7	61.1
12	58.3	58.8	59.4	59.3	59.4	59.4	59.7	59.9	60.1	61.2	62.6	63.0	64.9	66.1	68.2	70.8	69.8	68.7	65.9	60.0	56.4	54.3	53.9	54.4	61.4
13	56.5	57.7	58.0	57.5	57.4	56.2	57.2	55.8	60.6	62.1	61.4	61.9	65.4	66.9	68.0	69.5	70.7	67.7	64.1	59.7	54.5	52.6	51.8	52.9	60.2
14	54.6	57.2	57.7	57.4	57.4	57.5	57.6	58.0	58.9	59.0	59.8	60.8	62.0	62.2	65.8	66.6	67.7	63.3	57.8	53.4	52.5	53.5	53.3	55.2	58.7
15	56.5	58.4	57.5	58.3	58.6	56.9	67.9	63.1	64.1	61.5	58.5	60.4	62.6	66.1	67.6	69.0	68.9	66.2	60.5	57.5	55.6	55.5	55.5	56.5	61.0
16	57.7	59.9	59.6	59.5	59.4	57.9	59.9	59.9	58.5	58.3	57.7	59.9	62.4	64.6	67.3	70.4	70.4	66.4	62.4	59.3	56.9	54.2	53.6	54.7	60.4
17																									
18 Q	57.3	62.6	59.2	60.2	62.1	57.9	57.8	57.3	58.1	58.0	58.2	60.3	61.7	64.5	67.6	69.5	68.0	62.5	57.2	55.8	54.9	55.0	55.9	57.2	60.0
19 Q	58.5	58.2	57.3	57.5	57.7	57.1	57.3	57.9	58.4	59.0	59.7	59.0	59.8	62.5	66.6	68.7	69.3	67.0	62.7	57.7	54.3	52.4	52.3	53.7	59.4
20	56.8	58.4	58.3	58.8	58.9	58.3	58.1	58.2	58.3	57.8	60.3	60.5	62.7	64.6	67.0	70.0	71.3	67.3	63.1	57.0	51.7	49.1	50.7	54.1	59.6
21	57.5	59.4	59.5	59.4	58.6	58.3	58.6	64.9	62.1	63.3	60.6	63.1	60.7	63.8	69.4	68.3	66.9	65.0	60.8	57.4	54.9	54.3	54.4	54.2	60.6
22	55.5	58.1	58.5	57.9	56.5	55.5	58.6	62.7	61.3	60.9	57.9	58.0	59.1	62.5	68.1	69.4	70.3	70.2	63.4	55.9	53.6	52.3	53.6	55.5	59.8
23 Q	57.7	58.8	58.0	57.9	57.7	58.1	58.3	58.8	61.2	59.8	59.0	58.8	61.3	64.1	66.7	68.4	69.3	68.3	64.8	60.6	56.7	54.7	54.2	54.6	60.3
24	56.6	58.1	57.7	56.9	56.8	56.9	56.9	57.4	58.8	58.9	59.4	59.4	62.3	63.5	68.3	71.6	72.0	68.0	63.2	60.1	58.2	56.3	55.0	55.1	60.3
25	55.5	55.4	57.0	56.2	56.1	56.9	57.0	56.4	58.3	58.9	59.8	60.5	62.5	66.8	69.8	71.5	71.0	69.0	62.8	55.0	51.5	51.1	50.5	50.3	59.2
26	51.2	55.4	57.0	57.1	57.1	57.2	57.3	58.3	58.5	57.2	59.2	59.7	63.1	66.2	69.5	69.3	69.4	65.8	61.0	56.2	53.3	52.2	53.4	55.4	59.2
27	54.6	57.2	56.0	55.4	55.9	56.7	57.3	57.4	58.4	58.3	58.2	64.1	65.5	62.1	72.7	69.2	66.9	63.3	59.7	55.5	53.6	53.6	55.3	56.5	59.3
28	59.2	58.5	58.4	60.5	70.3	57.5	58.4	58.3	57.4	58.0	60.0	63.9	65.7	67.4	68.0	66.1	62.7	60.2	57.5	56.4	55.0	54.2	55.4	56.6	60.2
29	57.6	58.8	58.0	57.7	57.6	57.9	58.4	60.8	60.4	59.6	59.7	60.4	61.7	64.4	65.7	67.9	68.8	66.6	61.7	58.7	55.4	53.2	53.1	55.0	60.0
30 D	56.6	51.1	46.7	55.5	50.2	55.1	55.5	55.7	57.2	60.1	60.2	61.2	63.0	66.5	69.6	69.6	68.2	70.6	52.2	58.3	46.7	49.6	51.0	53.2	57.6
31	56.2	55.4	55.7	60.1	58.2	57.1	57.0	58.0	58.2	59.5	59.8	62.7	64.7	67.6	67.6	67.5	66.1	63.5	62.1	59.2	53.3	54.7	56.0	56.1	59.8
Mean	56.3	57.8	58.1	58.9	58.7	58.5	59.0	60.0	59.9	59.8	59.9	61.0	63.6	65.7	68.7	69.9	70.0	67.5	62.0	58.0	54.6	53.4	53.6	54.7	60.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 157. Meanook. (Z.) 59,000 γ + August, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	348	339	392	375	370	359	300	112	260	290	300	302	304	306	308	310	313	312	309	305	305	307	319	327	311
2	335	337	328	319	325	297	304	314	295	293	303	315	322	323	318	311	308	311	310	312	314	325	324	318	315
3	318	318	315	308	309	309	308	307	307	306	307	313	311	307	304	311	309	302	298	295	295	306	315	325	308
4	326	345	340	337	335	348	333	325	324	323	291	318	331	336	339	337	331	327	329	327	325	322	319	314	328
5 D	310	308	308	303	302	302	303	301	293	286	285	257	230	240	253	278	303	309	310	317	332	344	338	341	298
6 D	348	378	355	366	413	354	29	299	305	298	296	243	251	278	271	298	306	300	295	295	295	293	293	295	298
7 Q	295	295	291	291	291	291	291	291	294	295	296	298	300	302	302	299	296	287	279	281	287	291	292	292	293
8 D	303	308	302	299	299	296	296	299	295	296	293	298	298	291	284	284	288	295	288	288	301	325	308	307	298
9	306	316	329	327	298	337	318	313	304	287	238	194	226	266	269	289	292	295	306	310	312	315	326	347	297
10 D	347	345	358	391	424	382	340	181	143	175	221	224	171	263	308	319	308	300	295	296	300	306	308	314	292
11 Q	313	311	297	296	295	299	295	292	296	281	298	317	321	324	324	327	328	318	318	311	308	307	309	308	308
12	309	306	296	294	295	295	296	295	295	294	299	302	304	305	297	296	293	290	290	293	296	295	304	313	298
13	301	298	300	310	309	307	311	289	182	235	260	288	305	305	306	306	308	302	298	298	302	301	303	303	293
14	299	298	300	300	300	299	299	300	300	301	304	306	307	306	307	303	301	295	298	300	303	308	312	314	302
15	315	310	310	312	313	328	309	287	211	297	311	318	317	306	291	302	307	307	305	308	318	328	326	327	307
16	323	325	310	308	308	307	294	296	296	296	294	305	314	314	314	312	307	303	300	304	315	321	329	333	310
17																									
18 Q	325	324	317	316	308	306	306	304	304	304	296	308	308	300	302	307	308	308	309	312	314	317	319	317	310
19 Q	311	300	302	302	301	301	300	301	301	301	303	298	292	293	300	301	302	301	293	300	303	305	308	309	301
20	305	296	297	297	299	299	298	299	297	296	282	300	305	310	299	280	282	287	291	297	300	314	334	341	300
21	331	324	313	304	302	301	299	260	242	274	259	226	257	277	288	297	307	308	308	309	308	307	307	313	292
22	316	319	314	311	314	320	267	276	291	284	296	296	294	283	303	308	304	299	301	296	297	303	308	309	300
23 Q	304	299	294	294	293	293	294	298	294	297	294	290	297	297	287	285	294	295	295	296	299	305	309	309	296
24	305	301	301	298	297	296	296	295	297	297	295	293	292	291	286	286	288	288	287	288	293	300	303	308	295
25	311	310	307	302	295	294	294	294	292	292	292	293	296	296	295	290	280	280	275	277	286	290	300	305	294
26	309	298	302	302	300	300	299	301	300	299	282	278	287	297	302	301	301	299	298	302	304	309	314	314	300
27	311	292	285	284	283	282	282	281	283	280	256	189	204	171	179	223	250	271	276	283	292	294	296	298	264
28	298	289	288	259	252	274	205	222	274	278	281	285	290	286	278	278	277	278	283	290	295	302	303	299	278
29	292	282	281	280	278	278	277	273	272	277	280	281	281	281	281	279	275	274	273	275	280	283	290	308	280
30 D	314	333	376	371	409	363	335	305	293	281	279	281	282	283	277	275	278	274	278	279	303	302	292	294	306
31	300	295	287	300	264	285	278	286	276	278	278	275	272	275	277	278	281	277	281	283	283	284	287	287	282
Mean	314	313	313	312	313	310	288	283	280	286	286	283	286	290	292	296	298	296	296	298	302	307	310	313	298

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 158 Meanook — August, 1936.

Day	Horizontal Force						Declination						Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	1	57	899	6	2	438	461	2	58	78.9	7	2	33.6	45.3	2	57	459	7	14	14	445	3224	1
2	13	32	766	22	40	712	54	16	30	74.1	22	6	55.1	19.0	1	56	337	5	41	264	73	502	1
3	2	5	760	22	32	707	53	15	6	75.8	23	33	50.4	25.4	23	35	334	19	52	291	43	322	0
4	0	51	798	19	49	702	96	3	58	73.8	21	42	53.1	20.7	5	0	350	10	30	258	92	669	1
5 D	2	48	774	13	0	681	93	17	13	80.7	20	53	51.2	29.5	21	7	349	12	20	211	138	936	1
6 D	4	40	873	6	24	256	617	6	41	99.8	6	19	-9.9	109.7	4	37	443	7	19	-141	584	4248	2
7 Q	13	30	755	17	16	718	37	15	34	73.5	22	49	51.1	22.4	15	0	302	18	47	277	25	195	0
8 D	23	50	807	20	48	692	115	16	56	78.5	21	35	47.6	30.9	21	30	334	14	50	280	54	466	1
9	3	38	820	11	33	649	171	3	52	84.1	21	51	52.2	31.9	3	30	372	11	30	179	193	1361	1
10 D	5	23	880	12	48	535	345	8	8	87.3	4	36	45.7	41.6	4	15	455	8	16	69	386	2727	1
11 Q	6	48	763	20	28	709	54	15	21	70.8	21	58	53.8	17.0	17	0	329	9	40	251	78	530	0
12	13	20	762	21	30	692	70	15	54	73.4	22	23	52.6	20.8	23	45	321	9	17	289	32	279	0
13	7	8	778	8	23	605	173	7	49	76.5	7	23	41.5	35.0	7	12	330	8	10	97	233	1602	1
14	14	17	769	18	30	704	65	16	7	70.5	20	42	51.5	19.0	23	11	317	2	45	292	25	233	0
15	9	28	762	8	27	587	175	6	36	74.1	21	56	54.6	19.5	5	42	339	8	19	114	225	1544	1
16	15	0	756	18	0	705	51	16	23	71.7	23	15	53.2	18.5	23	17	339	6	43	274	65	450	0
17	1	14	760	18	36	693	67																0
18 Q	0	42	759	18	10	705	54	15	40	69.9	21	2	54.7	15.2	1	32	326	10	13	279	47	346	0
19 Q	14	10	764	18	54	704	60	15	57	70.4	21	48	52.0	18.4	23	10	313	12	38	284	29	248	0
20	13	21	767	21	30	704	63	16	22	72.7	21	34	48.5	24.2	23	0	344	10	15	268	76	531	0
21	7	18	759	8	16	692	67	14	39	70.2	23	23	53.7	16.5	0	1	333	10	52	197	136	890	1
22	6	30	764	18	27	689	75	16	53	72.7	21	43	52.1	20.6	5	58	327	6	45	209	118	818	1
23 Q	14	7	758	21	20	709	49	16	52	70.0	23	38	53.9	16.1	23	40	311	8	18	283	28	230	0
24	10	12	755	19	49	707	48	16	15	73.3	22	18	54.6	18.7	24	0	310	15	0	282	28	227	0
25	14	47	772	18	53	655	117	16	57	74.8	23	5	49.5	25.3	1	3	313	18	52	266	47	428	0
26	0	43	779	18	4	690	89	14	41	70.9	21	31	51.4	19.5	23	50	314	11	45	265	49	404	0
27	7	44	766	13	30	655	111	14	38	77.5	10	54	51.0	26.5	0	0	313	13	27	146	167	1131	1
28	4	29	777	17	42	689	88	3	13	76.1	6	26	47.9	28.2	22	6	306	7	7	153	153	1019	1
29	23	59	759	18	51	700	59	16	37	71.3	21	43	51.8	19.5	23	55	326	8	19	267	59	424	0
30 D	3	10	961	17	52	652	309	17	50	82.9	2	17	41.9	41.0	4	39	427	14	58	266	161	1347	1
31	3	47	773	19	58	685	88	3	51	79.7	4	24	51.5	28.2	3	40	338	4	10	235	103	724	1
Mean			787			659	128			75.9			48.4	27.5			344			214	130	934	0.55
No. days			31			31	31			30			30	30			30			30	30	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 159. Meanook. (H.) 12,000 γ + September, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	730	737	748	747	740	738	739	736	736	737	730	725	729	739	737	722	715	705	702	706	707	714	730	735	728
2	747	754	740	741	741	739	741	741	741	739	740	728	727	745	740	735	717	700	685	680	679	692	712	728	726
3 Q	734	736	735	735	738	736	735	736	737	739	740	739	740	742	741	723	702	690	684	686	698	709	729	734	726
4	748	744	736	734	741	724	727	738	737	718	744	745	745	746	746	730	702	689	683	684	694	724	739	744	728
5	743	735	733	730	728	734	730	733	734	735	737	739	743	744	745	737	720	700	684	687	695	701	720	735	726
6	742	741	744	732	735	735	735	735	733	734	737	737	740	737	735	728	715	704	697	695	702	711	720	728	727
7 Q	735	736	737	738	739	741	743	743	743	744	742	738	742	744	743	731	723	715	705	709	719	724	724	728	733
8	733	737	743	747	748	748	747	750	717	724	728	753	755	755	757	745	724	714	717	719	724	723	728	747	737
9	739	725	742	741	740	741	736	716	730	642	615	721	743	723	715	742	739	711	704	712	723	726	736	742	721
10	737	744	737	743	740	737	737	739	741	741	705	708	734	733	719	723	721	699	698	703	721	737	735	740	728
11 D	726	725	726	730	736	732	744	741	737	671	569	646	704	676	652	662	643	689	709	722	731	737	744	744	704
12	731	721	731	733	733	730	731	731	730	729	735	740	741	744	743	727	712	709	710	715	725	732	738	734	729
13 Q	729	734	737	737	737	737	744	745	745	745	745	745	745	743	741	739	720	701	701	701	702	714	719	730	731
14	726	726	731	734	734	735	735	734	737	729	735	740	745	747	734	712	713	717	716	713	717	729	734	739	730
15	735	730	735	738	744	743	743	739	742	731	714	701	716	733	733	734	733	716	702	712	721	732	733	730	729
16 Q	729	734	739	739	738	740	745	744	744	744	745	745	742	739	735	732	728	711	711	710	721	732	733	738	734
17	735	736	737	739	737	736	745	743	745	746	750	752	750	750	748	740	727	719	715	715	719	731	743	744	738
18	749	752	755	754	754	749	752	750	735	661	696	729	736	759	756	743	725	715	717	722	726	731	738	736	735
19	746	743	739	740	740	741	742	743	744	745	747	747	745	745	747	745	734	722	713	715	723	735	742	744	739
20	748	745	747	745	746	746	744	744	743	743	744	747	747	745	741	732	723	708	700	701	708	722	732	737	735
21	738	739	742	744	744	746	750	748	746	742	746	761	755	751	752	741	728	716	704	709	717	725	734	728	738
22	739	741	746	748	749	746	752	753	754	754	748	742	742	744	743	737	723	705	698	699	711	726	744	746	737
23 D	742	747	741	745	768	782	682	722	759	726	662	795	711	708	731	748	737	722	717	714	720	733	738	743	729
24	742	737	737	737	749	739	737	741	745	747	737	739	733	738	737	726	719	710	710	717	728	735	737	732	734
25 Q	725	730	731	732	738	736	737	737	738	738	742	741	739	740	740	734	723	709	707	708	719	734	738	747	732
26 D	734	725	723	744	788	814	507	580	500	620	655	447	449	500	638	618	656	665	668	723	732	741	740	738	654
27 D	739	739	735	732	732	732	734	734	742	747	749	745	746	743	738	733	723	717	720	726	726	727	735	726	734
28	724	726	727	728	731	732	734	736	740	741	743	726	728	745	735	728	721	709	707	704	717	723	732	735	728
29 D	725	726	735	731	739	760	764	752	762	728	741	708	668	663	700	719	722	717	705	697	708	723	725	726	723
30	727	730	733	733	733	735	734	737	737	737	739	739	737	732	729	733	730	721	716	708	711	720	720	723	729
31																									
Mean	736	736	737	738	742	743	731	734	732	726	722	722	726	728	732	727	717	708	704	707	714	725	732	736	727

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 160. Meanook. (D.) East 25° + . . . ′ September, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	57.2	57.9	58.4	58.3	58.0	57.5	60.0	57.1	59.2	60.4	61.9	62.3	64.4	64.6	65.1	66.5	68.0	65.3	60.8	59.2	55.7	54.3	54.6	55.1	60.1
2	55.9	56.9	57.6	57.6	56.6	59.3	60.1	59.1	59.4	59.9	66.5	63.7	66.4	66.1	71.0	72.4	70.5	66.5	63.0	57.9	54.0	53.0	53.8	56.1	61.0
3 Q	58.2	59.1	59.1	59.1	59.1	59.3	59.3	59.4	59.9	60.1	60.3	61.3	63.1	66.6	67.9	71.3	68.8	64.9	59.7	55.4	53.9	53.9	55.0	58.3	60.5
4	57.0	58.4	59.1	56.0	56.9	59.3	60.5	56.9	58.4	53.7	57.3	60.5	63.6	65.4	67.0	67.2	66.5	62.7	61.4	56.5	53.4	52.4	51.7	52.6	58.9
5	54.5	54.8	56.4	56.6	61.6	60.0	63.4	59.5	58.6	59.4	59.7	60.5	62.0	64.3	66.7	68.4	67.2	65.5	60.5	57.5	55.0	54.7	55.8	56.0	59.9
6	57.2	56.5	55.9	54.9	59.1	58.7	59.6	60.2	60.8	61.4	61.5	61.5	61.7	63.5	65.7	67.3	68.0	67.3	64.9	61.0	57.2	55.6	56.2	56.9	60.5
7 Q	57.1	57.5	58.6	59.3	59.8	59.9	60.1	60.8	60.8	61.0	60.8	62.6	64.7	65.7	67.2	67.5	67.0	63.6	60.9	58.1	57.4	56.8	56.8	56.6	60.8
8	56.8	57.2	57.9	58.1	58.5	59.0	59.9	60.6	69.3	69.6	70.2	65.6	63.7	65.7	66.1	66.4	64.5	60.8	56.1	55.8	54.6	55.2	56.2	57.1	61.0
9	58.0	60.0	59.8	60.1	59.9	60.0	60.3	62.0	63.4	65.9	84.2	71.0	65.1	66.7	67.7	68.7	68.4	67.4	61.4	57.8	58.3	57.8	57.6	59.0	63.4
10	60.0	60.2	61.2	59.3	61.2	61.3	59.1	59.1	59.3	60.0	60.4	66.0	67.0	72.1	70.9	70.0	66.1	63.1	58.9	56.4	54.9	57.4	59.8	61.7	61.9
11 D	62.4	61.4	61.5	60.5	60.8	59.6	62.6	61.1	61.3	62.3	62.1	79.4	66.7	74.7	73.8	74.0	57.9	52.8	52.6	55.0	55.2	56.8	58.7	61.3	62.3
12	61.8	61.8	61.4	69.2	57.2	55.9	61.0	60.6	61.7	64.6	66.5	64.0	64.5	66.3	66.7	67.6	68.0	64.3	61.2	58.7	56.7	57.0	57.8	59.6	62.2
13 Q	59.7	59.4	60.6	59.8	60.5	58.8	58.8	58.8	59.7	60.1	60.8	61.2	62.6	63.8	65.6	67.5	69.1	67.1	62.0	56.0	53.9	54.5	57.1	59.2	60.7
14	60.3	59.9	59.0	58.9	58.0	57.9	57.4	60.9	59.9	65.1	64.6	62.0	62.7	63.7	64.9	63.5	62.0	59.3	59.1	57.5	56.7	56.7	57.7	57.5	60.2
15	57.8	58.1	58.3	64.8	58.0	57.9	59.7	58.3	59.2	56.6	62.1	68.1	70.0	69.0	66.8	65.7	64.3	64.2	58.5	56.6	54.5	54.3	56.0	58.0	60.7
16 Q	59.6	59.1	58.4	58.6	58.6	58.5	58.8	60.0	60.5	60.6	61.1	61.7	62.2	63:0	63.8	64.5	65.3	63.9	59.7	58.2	58.2	58.9	58.9	58.6	60.4
17	59.1	58.7	58.7	58.6	59.2	57.8	59.0	59.0	60.7	60.6	61.4	61.9	62.4	63.4	65.0	66.9	66.8	64.7	62.1	59.5	57.4	55.4	55.4	56.4	60.4
18	56.9	57.2	57.8	58.0	57.9	57.6	58.2	58.3	70.4	80.6	71.6	67.7	64.3	66.3	68.1	70.4	69.9	65.0	62.3	60.3	57.8	56.0	56.5	58.2	62.8
19	59.0	59.2	59.4	59.5	59.5	59.6	59.6	59.7	59.9	60.5	60.9	61.4	62.5	64.3	67.1	69.1	69.3	66.5	62.0	57.7	55.7	55.7	56.1	56.7	60.9
20	57.2	58.2	58.7	58.9	59.1	57.2	57.5	59.7	60.0	60.7	62.0	62.7	62.3	64.6	67.7	70.4	68.8	68.6	63.5	58.3	55.0	55.3	57.1	58.4	60.9
21	59.1	58.7	58.9	58.1	57.3	57.7	58.1	58.9	59.7	62.2	63.0	64.0	64.2	65.0	67.0	68.5	69.1	66.9	62.6	57.3	55.0	54.7	54.5	57.5	60.8
22	57.8	57.4	58.1	58.1	58.1	61.8	61.0	62.3	60.0	62.4	63.1	63.2	63.7	65.5	67.7	71.6	72.2	70.2	63.7	60.5	56.4	54.7	54.3	54.6	61.6
23 D	55.8	55.5	56.5	56.5	56.7	54.6	69.7	59.4	60.8	61.9	56.3	60.7	66.5	71.4	74.2	68.6	69.6	68.2	64.6	60.1	58.3	58.4	58.4	58.9	61.7
24	59.1	59.1	58.2	58.8	58.7	57.1	59.5	58.5	61.0	66.2	67.2	67.6	66.5	67.7	67.6	69.3	67.7	65.1	61.0	57.6	57.4	57.8	59.2	60.0	62.0
25 Q	60.7	59.9	59.5	59.6	59.7	59.1	59.6	60.2	60.6	61.7	62.1	63.2	64.2	65.6	68.0	69.9	70.1	69.0	64.7	60.3	58.3	58.7	60.8	59.3	62.3
26 D	56.7	58.9	56.5	54.6	52.0	48.2	25.4	61.7	76.8	76.3	79.4	99.8	85.2	86.4	90.4	69.0	56.4	59.8	51.0	51.7	53.5	54.5	56.6	57.6	63.3
27 D	59.2	60.2	59.3	59.9	60.0	59.8	60.3	61.2	61.4	62.4	63.2	63.0	63.2	64.9	66.6	67.9	66.5	65.1	64.2	61.8	59.7	59.4	58.7	60.2	62.0
28	59.3	59.7	60.0	59.9	60.0	60.1	60.2	61.0	61.5	62.1	62.9	62.8	66.6	66.6	69.7	70.6	69.8	68.3	65.9	62.6	59.9	59.0	58.0	56.4	62.6
29 D	57.1	54.4	53.6	55.2	57.9	56.2	54.4	56.8	59.5	66.0	66.2	66.5	72.4	79.1	73.7	66.7	65.0	66.4	62.3	59.3	55.9	57.0	57.1	58.5	61.6
30	59.2	58.7	58.4	59.4	59.7	59.6	59.8	60.7	61.2	61.5	61.9	62.3	63.0	64.3	66.2	66.9	67.7	67.3	66.1	63.9	62.0	59.9	59.3	58.4	62.0
31																									
Mean	58.3	58.5	58.6	58.8	58.6	58.3	58.8	59.7	61.5	62.9	64.0	65.3	65.2	67.2	68.5	68.5	67.0	65.0	61.2	58.3	56.4	56.2	56.8	57.8	61.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 161. Meanook. (Z.) 59,000 γ + September, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	285	285	289	286	282	283	284	283	282	282	281	282	282	281	281	277	274	276	275	277	281	284	289	285	282
2	287	294	299	304	301	283	280	280	278	249	256	265	262	277	273	276	277	276	274	274	281	284	285	286	279
3 Q	282	280	275	275	275	274	274	273	271	270	271	271	270	272	275	272	267	263	264	264	269	271	273	270	272
4	273	280	281	278	272	258	262	270	277	233	253	268	269	270	269	262	259	258	255	261	270	282	297	299	269
5	302	274	287	309	300	290	269	253	248	248	247	249	252	256	260	261	257	255	263	266	266	263	261	262	266
6	261	244	252	253	248	240	229	227	226	226	225	226	232	235	237	237	237	236	234	229	230	227	226	227	235
7 Q	223	222	224	223	223	222	222	221	223	223	221	217	216	223	224	223	222	222	222	222	223	224	225	224	222
8	222	225	237	238	238	237	235	235	233	232	228	231	231	231	226	224	220	217	218	220	225	221	219	217	228
9	216	229	233	231	228	227	210	128	182	29	41	141	199	170	132	182	224	231	241	249	249	253	245	232	196
10	228	232	242	250	248	251	234	231	231	228	173	146	187	179	160	161	190	214	234	244	254	255	245	238	219
11 D	233	233	236	240	238	243	241	240	237	207	4	92	181	122	82	113	157	164	213	234	246	250	252	254	196
12	250	246	247	254	247	246	249	251	238	220	229	230	232	232	231	231	231	234	238	238	245	253	254	253	241
13 Q	239	239	243	244	244	237	233	232	232	232	231	231	230	231	225	229	229	225	227	230	233	236	231	233	233
14	231	231	230	231	231	228	231	231	223	192	208	213	221	229	227	213	207	210	214	221	228	234	236	234	223
15	235	233	230	229	227	227	230	228	226	205	166	133	163	196	205	202	213	222	220	223	226	226	231	232	214
16 Q	226	222	222	221	221	223	224	226	229	227	227	227	227	226	227	226	226	223	223	224	226	228	231	229	225
17	228	223	223	222	226	228	230	227	221	219	220	221	222	224	225	224	217	217	217	221	225	226	221	221	223
18	217	215	216	216	218	220	224	215	178	135	171	201	200	220	226	225	220	221	222	225	226	227	225	220	212
19	216	213	214	214	212	212	213	213	213	212	212	212	213	214	213	213	211	210	209	208	210	212	212	212	212
20	211	206	207	206	207	213	214	211	210	210	204	201	203	203	210	217	205	202	201	200	204	209	209	211	207
21	208	207	209	205	206	208	208	208	199	197	182	197	201	207	208	208	207	203	199	197	199	202	207	206	203
22	203	206	205	205	208	210	202	202	210	205	198	199	201	203	207	209	208	204	198	194	198	203	201	201	203
23 D	200	202	210	229	249	205	-29	142	228	197	114	128	142	117	132	196	214	216	222	223	225	225	224	219	184
24	217	215	212	212	214	218	218	188	205	222	216	195	194	207	211	205	207	205	205	207	212	216	218	219	210
25 Q	209	206	206	206	205	207	211	213	208	205	204	203	204	205	205	206	209	209	204	203	201	203	203	208	206
26 D	216	235	228	225	256	266	94	184	165	111	103	-5	-71	-122	4	84	149	188	213	229	235	235	239	233	154
27 D	230	218	216	212	209	209	211	211	211	211	205	205	208	210	210	209	210	208	209	210	206	206	208	206	210
28	207	206	203	202	202	202	203	204	203	202	200	181	173	189	198	199	201	206	207	208	213	215	213	214	202
29 D	217	220	229	223	216	245	248	236	247	187	179	146	58	78	139	188	166	175	179	182	180	176	177	175	186
30	166	167	172	168	167	165	167	168	168	167	167	166	167	167	169	170	170	170	170	172	174	176	182	184	170
31																									
Mean	231	230	232	234	234	232	217	221	223	206	194	196	199	198	203	211	216	219	222	225	229	231	231	230	219

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 162 Meanook — September, 1936.

Day	Horizontal Force						Declination							Vertical Force						Character $\frac{HR_H+ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	24	0	752	19	14	697	55	16	24	69.1	22	10	53.2	15.9	22	16	297	16	47	273	24	212	1
2	1	59	759	20	6	675	84	14	54	73.5	21	33	52.4	21.1	5	0	308	9	28	232	76	557	1
3 Q	22	31	745	20	43	680	65	15	46	73.6	21	7	535	20.1	0	0	283	18	38	263	20	201	0
4	23	44	755	18	32	674	81	16	4	68.6	9	22	435	25.1	23	45	307	9	25	198	109	747	1
5	13	55	748	18	0	678	70	15	50	69.2	21	32	54.6	14.6	2	52	321	8	24	246	75	533	1
6	2	6	745	19	0	691	54	16	30	68.5	3	8	53.7	14.8	3	18	261	24	0	223	38	295	0
7 Q	9	46	751	18	45	705	46	16	0	68.5	23	25	56.1	12.4	13	38	225	24	0	216	9	111	0
8	13	4	766	8	25	686	80	8	47	75.2	20	53	54.2	21.0	4	0	243	24	0	214	29	272	1
9	11	57	760	9	27	513	247	10	13	92.0	6	54	54.7	37.3	21	2	260	9	32	-59	319	2202	1
10	4	54	784	10	59	647	137	13	40	74.5	3	53	48.8	25.7	3	43	271	10	54	74	197	1340	1
11 D	5	7	757	10	4	464	293	11	24	87.3	9	53	45.2	42.1	5	58	270	10	2	-30	300	2148	1
12	3	56	752	18	20	705	47	3	41	75.8	5	34	50.0	25.8	3	30	272	9	32	215	57	397	1
13 Q	11	40	747	19	46	693	54	16	7	70.4	20	32	53.4	17.0	4	29	246	18	0	224	22	197	0
14	12	49	750	15	58	707	43	9	25	67.6	21	25	56.5	11.1	24	0	239	9	42	170	69	463	1
15	6	36	753	10	3	689		12	19	71.1	9	52	50.3	20.8	23	15	237	11	41	112	125	821	1
16 Q	7	59	747	17	46	708	39	16	8	66.6	9	58	57.7	8.9	23	0	233	4	0	221	12	122	0
17	21	58	760	19	20	711	49	15	50	67.7	21	59	53.9	13.8	5	47	234	17	0	216	18	169	0
18	8	52	774	9	38	634	140	9	22	91.0	8	0	55.3	35.7	14	22	232	9	15	95	137	989	1
19	11	40	751	19	0	711	40	16	17	71.0	21	0	55.0	16.0	13	40	217	19	50	207	10	111	0
20	2	43	754	19	8	699	55	15	27	71.7	20	35	56.3	15.4	5	42	218	18	58	199	19	182	0
21	10	53	768	18	51	700	68	15	40	69.7	22	9	53.3	16.4	15	38	209	9	2	165	44	346	0
22	22	47	770	18	27	692	78	16	14	74.0	22	50	51.7	22.3	5	27	220	7	5	188	32	287	1
23 D	5	43	853	6	56	608	245	6	31	88.4	5	50	41.8	46.6	4	9	262	6	41	-181	443	2934	1
24	8	37	765	18	20	706	59	17	0	70.0	7	23	53.2	16.8	9	52	231	7	17	161	70	489	1
25 Q	23	41	759	19	21	699	60	16	32	71.1	23	49	56.6	14.5	24	0	219	11	6	201	18	183	0
26 D	5	10	895	8	38	281	614	12	0	121.4	6	22	-25.1	146.5	5	18	327	13	33	-221	548	4024	2
27 D	11	6	761	13	51	700	61	15	39	71.3	20	32	57.6	13.7	0	55	230	13	54	191	39	310	0
28	23	48	756	11	58	681	75	15	27	72.5	23	50	52.3	20.2	23	54	232	12	2	133	99	681	1
29 D	6	16	778	13	32	645	133	13	31	84.8	6	18	49.1	35.7	8	42	276	12	54	31	245	1619	1
30	1	58	743	20	25	706	37	16	4	68.8	2	1	57.3	11.5	24	0	189	5	30	165	24	189	0
31																							
Mean			765			660	105			75.5			50.2	25.3			252			145	107	767	0.63
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 163. Meanook. (H.) 12,000 γ + October, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	720	720	729	739	732	734	726	645	701	703	712	716	727	732	734	730	721	712	693	693	706	713	718	717	716
2 Q	720	724	728	730	733	735	737	738	739	740	744	743	740	737	741	740	734	729	722	713	711	721	725	733	732
3 Q	737	740	740	740	740	739	738	740	741	741	746	750	750	750	750	750	742	736	722	715	718	723	728	732	738
4	734	739	744	745	743	742	743	742	744	746	752	752	752	753	753	750	739	726	709	706	712	717	724	724	737
5	737	743	741	738	735	739	739	742	743	753	753	746	735	753	755	745	725	697	683	681	696	712	708	718	730
6	742	752	749	760	757	764	742	736	666	662	602	707	759	756	751	721	717	703	692	684	691	716	721	746	721
7	739	733	734	734	736	738	738	738	602	615	674	710	746	760	740	734	730	714	694	695	683	724	734	732	716
8	726	726	738	776	749	728	718	667	714	729	738	734	729	713	689	706	711	716	707	689	714	711	713	715	719
9	719	724	731	722	728	732	732	733	671	723	719	627	618	663	690	654	698	696	685	682	715	720	712	728	701
10 D	740	800	826	924	942	747	527	658	435	314	510	371	529	631	752	730	730	730	713	714	707	716	724	723	675
11	721	725	722	723	723	724	726	729	732	734	734	735	734	736	742	738	731	726	725	730	735	734	728	723	730
12	719	724	728	729	729	730	733	737	730	727	731	745	745	737	736	732	723	714	708	708	715	723	728	726	727
13	730	732	732	734	736	736	743	742	743	746	749	749	742	739	738	727	716	710	715	716	723	723	724	728	732
14	731	733	734	734	736	736	739	739	740	743	744	733	692	689	706	706	694	710	711	719	726	732	741	739	725
15	731	736	726	750	757	740	738	736	699	692	752	742	736	737	731	718	705	702	704	710	720	715	719	728	726
16 D	727	737	738	731	724	713	661	689	718	726	727	735	726	740	736	718	634	612	622	654	698	731	819	804	713
17 D	851	925	991	888	713	428	375	319	395	333	268	403	712	631	716	754	736	721	706	712	714	710	718	721	643
18	716	719	723	723	721	725	721	723	710	728	699	685	717	727	729	724	715	706	704	703	703	708	715	717	715
19	715	719	721	722	722	720	726	728	727	729	721	669	689	714	741	740	717	709	700	693	695	693	712	715	714
20	731	780	771	741	734	723	723	722	723	723	720	722	733	717	702	708	684	683	682	695	703	707	717	725	720
21	723	720	729	732	733	736	740	742	736	730	717	732	735	731	729	740	724	720	713	712	712	720	731	734	728
22 Q	732	736	737	737	736	736	736	737	739	741	744	744	741	737	741	738	728	719	717	717	723	727	730	729	733
23	732	739	740	736	738	740	741	742	743	744	747	745	745	743	740	737	730	720	707	689	705	716	713	716	731
24 D	722	733	740	745	750	741	740	740	736	709	618	561	603	670	742	690	606	588	646	693	727	728	719	734	695
25	732	727	727	728	728	729	732	734	738	736	732	716	721	739	736	726	717	708	705	706	708	712	717	718	724
26	726	732	732	734	735	737	737	739	733	728	721	718	688	725	737	742	733	720	714	718	723	725	728	728	727
27 Q	731	733	734	735	736	736	738	738	740	740	739	741	739	737	736	734	729	727	724	727	735	736	734	732	735
28 Q	731	733	736	737	735	741	739	739	736	717	720	736	739	739	739	737	725	723	714	715	723	730	732	736	731
29	736	738	741	742	741	741	741	739	733	740	751	746	746	746	737	728	730	723	716	715	718	723	720	729	734
30	731	737	735	736	740	742	742	740	740	740	742	745	745	744	741	736	727	717	716	714	716	723	732	735	734
31 D	725	733	730	741	748	750	774	759	640	301	295	237	214	472	638	732	702	689	700	711	708	720	726	725	632
Mean	732	742	746	748	742	726	716	714	700	685	688	684	701	716	730	728	715	707	702	704	712	720	726	729	717

MAGNETIC DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 164. Meanook. (D.) East 25° + . . . ' October, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	58.3	58.5	53.2	51.6	56.1	59.9	58.9	50.4	65.0	67.9	65.2	61.0	58.2	60.3	62.4	64.0	65.8	67.7	63.0	59.0	57.9	56.1	54.0	56.3	59.6
2 Q	55.9	56.7	57.3	57.7	58.1	58.4	58.4	58.6	59.0	59.3	59.5	59.1	59.6	60.2	62.7	63.9	63.5	64.8	63.7	60.9	57.6	56.3	56.0	55.4	59.3
3 Q	56.0	56.6	57.4	58.2	58.5	57.6	57.3	60.2	61.1	61.4	62.1	59.9	57.9	59.3	61.4	64.0	64.8	65.4	63.1	59.9	56.4	54.6	54.0	54.5	59.2
4	56.8	57.8	57.9	58.4	58.3	58.7	58.4	58.7	58.8	58.9	58.9	59.5	60.5	61.9	64.5	68.2	69.9	68.3	64.2	59.4	55.9	55.6	56.3	57.5	60.1
5	57.2	57.1	57.6	57.5	58.6	57.5	57.9	58.5	58.6	61.6	60.0	58.9	58.8	63.6	66.8	68.1	67.0	65.5	62.6	47.1	44.0	49.9	52.3	55.5	58.4
6	54.8	53.4	58.1	56.0	58.1	58.6	59.1	60.8	62.0	60.9	71.1	70.5	63.4	64.0	66.8	67.4	66.7	66.3	60.6	58.8	55.2	53.7	54.4	51.9	60.5
7	53.7	57.6	58.6	58.4	58.3	58.2	60.2	61.8	60.5	78.1	71.3	65.3	63.8	60.7	63.6	66.3	66.6	70.0	67.2	64.6	59.0	56.9	56.6	56.3	62.2
8	56.8	59.1	62.7	55.3	58.7	71.5	64.3	63.9	63.9	60.9	59.8	59.9	60.3	60.5	58.9	61.5	62.7	67.5	67.3	62.1	60.3	59.1	59.1	59.3	61.5
9	59.3	59.1	58.0	62.1	60.4	58.5	59.2	62.7	63.9	67.0	66.7	69.7	75.7	63.5	63.1	61.3	60.6	65.1	63.2	52.7	54.6	55.4	57.4	57.5	61.5
10 D	55.8	59.3	57.6	58.5	51.9	49.0	66.0	63.3	64.1	79.1	75.2	72.6	80.1	85.6	69.3	66.4	64.0	62.9	60.0	59.4	58.3	60.9	61.8	61.5	64.3
11	61.6	60.3	60.2	60.3	59.7	59.5	59.6	59.7	60.1	60.7	61.2	61.6	61.5	63.3	66.3	68.5	68.9	65.2	61.3	58.3	58.1	59.1	60.6	60.9	61.5
12	60.2	59.4	59.4	59.4	59.4	59.5	59.6	59.4	59.5	64.7	65.0	64.6	62.8	63.3	64.6	65.1	66.2	63.8	60.7	58.1	58.1	58.8	59.3	59.5	61.3
13	58.8	58.6	58.9	59.1	59.2	59.1	58.9	59.3	59.7	60.4	60.9	61.5	62.5	63.5	65.9	68.5	69.8	62.6	58.9	58.7	58.7	59.8	60.5	59.8	61.0
14	59.1	59.6	59.7	59.8	60.0	60.0	60.0	60.2	60.2	60.4	60.6	60.9	59.6	57.6	58.5	61.7	57.1	56.9	54.7	55.2	58.3	60.0	60.9	60.3	59.2
15	59.2	57.2	60.1	59.9	57.3	57.1	58.5	60.3	66.8	63.5	64.9	65.6	66.0	66.2	67.9	69.0	67.9	66.6	62.7	60.0	58.8	59.3	58.6	59.7	62.2
16 D	60.1	60.0	59.4	59.9	63.6	68.8	52.7	70.4	63.8	66.3	64.7	64.0	62.2	66.2	67.4	66.7	62.0	66.7	65.2	50.8	49.5	55.9	56.6	57.0	61.7
17 D	56.4	58.6	50.2	54.5	72.9	67.9	89.8	83.1	69.3	73.2	71.1	90.4	63.6	63.1	65.9	68.6	68.4	66.5	63.2	62.5	60.3	61.4	60.4	60.2	66.7
18	60.2	59.6	60.0	60.4	60.5	60.2	61.2	61.5	66.5	64.0	66.5	64.7	68.1	67.8	69.2	69.4	67.3	64.2	61.2	60.2	60.0	60.5	60.8	61.1	63.1
19	60.6	60.4	60.3	60.0	59.0	61.5	62.4	61.2	61.6	62.1	62.0	60.7	63.1	62.5	66.7	69.2	70.0	63.9	61.2	60.3	57.3	56.6	56.4	58.7	61.6
20	54.3	54.1	59.9	58.0	58.3	58.5	60.5	60.5	61.3	61.4	61.6	60.1	63.3	64.8	67.8	69.2	63.7	58.7	54.7	53.7	56.6	57.2	57.5	57.6	59.7
21	57.7	60.0	60.7	60.8	60.2	60.7	59.7	63.1	58.4	62.0	66.0	65.3	64.1	66.8	70.5	70.1	68.2	65.3	62.3	61.2	59.7	60.0	60.5	61.2	62.7
22 Q	60.7	60.0	60.0	60.0	60.5	60.9	60.7	60.5	61.4	61.1	61.6	61.4	61.4	61.4	62.3	64.6	66.9	66.2	63.5	61.1	60.9	60.9	60.5	60.0	61.6
23	59.5	59.2	59.4	59.6	61.8	60.4	60.4	60.5	60.5	60.6	61.3	62.0	62.5	63.7	66.8	69.0	68.6	67.4	67.3	58.3	53.6	54.9	53.3	52.6	61.0
24 D	55.8	58.3	58.4	60.1	59.7	59.4	61.9	61.3	63.4	67.3	71.2	92.7	91.1	69.8	62.6	65.4	61.7	53.1	38.7	48.8	60.3	60.5	59.7	59.7	62.5
25	61.3	61.7	61.8	61.4	60.8	60.7	61.4	61.7	62.2	62.6	62.5	62.2	64.0	66.5	68.3	67.5	67.6	65.4	63.7	62.3	61.3	60.8	60.7	60.7	62.9
26	59.8	59.6	59.8	60.1	60.1	60.4	60.7	60.7	61.3	62.6	64.7	67.4	63.9	60.8	64.6	64.8	65.4	62.7	59.9	58.1	58.9	59.2	60.2	60.8	61.5
27 Q	60.9	60.6	60.7	60.2	60.2	60.4	60.2	60.3	60.6	61.0	61.7	62.1	62.6	63.6	64.3	64.5	64.1	62.6	61.3	60.6	60.7	61.6	61.9	61.1	61.6
28 Q	60.0	60.8	60.7	60.0	60.2	61.6	58.2	60.0	61.5	60.6	60.4	64.2	66.1	64.4	65.8	65.7	64.4	63.6	61.6	60.5	60.7	59.9	60.7	60.3	61.7
29	60.0	59.7	60.4	60.8	60.0	60.0	60.5	61.0	61.6	59.9	63.5	63.6	64.4	63.8	65.6	65.0	63.6	64.1	62.9	60.0	59.0	57.9	58.3	56.3	61.3
30	59.4	59.2	60.1	62.9	59.0	59.1	59.5	59.7	60.1	61.5	62.1	62.6	63.0	63.7	64.5	66.6	68.0	65.0	60.8	59.8	59.7	60.1	59.8	59.2	61.5
31 D	59.2	59.9	64.0	58.6	58.8	58.0	60.1	63.0	68.4	129.0	107.9	140.5	129.9	94.6	68.1	64.9	66.4	60.7	61.1	60.8	61.4	62.1	62.8	62.7	74.3
Mean	58.4	58.8	59.1	59.0	59.6	60.0	60.8	61.5	62.1	65.8	65.5	67.6	66.6	65.1	65.3	66.3	65.7	64.3	61.3	58.5	57.8	58.2	58.4	58.6	61.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 165. Meanook. (Z.) 59,000 γ + October, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	193	197	210	219	211	219	220	133	167	163	163	178	195	194	200	205	204	203	203	199	201	204	201	201	195
2 Q	198	196	195	194	194	193	194	193	193	192	191	190	186	188	187	195	195	195	194	198	199	199	198	199	194
3 Q	198	197	198	197	198	198	187	193	188	182	162	168	180	186	192	196	194	192	189	190	192	196	198	199	190
4	195	190	188	186	187	187	187	186	186	187	187	185	185	186	188	189	187	180	174	171	174	181	184	183	185
5	183	185	184	184	187	195	192	182	139	167	174	167	137	161	179	187	182	173	167	165	174	200	213	221	179
6	222	236	246	259	219	209	203	201	120	76	22	65	180	191	190	176	179	179	177	185	196	212	224	233	183
7	225	204	190	186	186	194	203	199	- 3	2	75	117	170	196	189	191	185	184	185	194	206	242	231	218	174
8	213	216	239	271	252	152	176	88	147	181	183	184	182	178	146	191	208	204	202	214	212	200	193	192	193
9	187	183	188	193	195	193	182	158	39	104	149	10	-60	38	77	96	123	155	191	215	225	229	196	201	144
10 D	217	264	305	246	124	100	141	217	263	80	163	126	12	14	124	175	195	198	197	199	201	201	201	200	173
11	192	198	193	187	187	184	183	182	180	182	182	182	181	187	189	187	185	180	178	178	179	184	185	182	184
12	178	180	180	179	179	178	178	178	171	131	137	156	176	177	174	175	175	174	174	175	177	181	181	183	173
13	183	184	184	184	184	183	183	183	184	184	184	183	182	183	184	184	183	181	176	184	188	189	189	187	184
14	184	179	179	178	179	178	178	179	179	179	178	165	116	101	76	80	109	124	151	164	181	185	184	182	158
15	180	186	228	258	241	227	202	197	173	136	201	205	193	191	190	189	189	188	184	185	197	199	205	210	198
16 D	190	185	189	189	195	206	157	131	141	158	162	177	167	184	182	175	144	164	191	244	233	233	286	297	191
17 D	277	226	122	172	79	98	86	185	172	115	152	74	130	88	120	165	184	186	186	188	186	187	185	183	156
18	179	177	176	175	175	175	180	171	181	168	130	157	169	179	180	181	181	183	189	189	189	189	187	187	177
19	183	178	178	177	177	179	181	177	178	175	169	116	109	117	157	189	182	181	188	191	193	194	195	188	173
20	201	248	251	231	213	201	185	182	180	176	155	164	175	172	163	176	174	175	172	173	179	184	191	195	188
21	196	191	185	183	184	191	202	186	191	178	159	173	178	172	172	177	179	176	179	187	190	190	190	187	183
22 Q	181	177	180	180	179	179	182	182	181	178	179	179	178	176	175	176	177	176	176	176	180	180	180	180	179
23	180	180	180	181	180	178	178	178	177	177	177	176	176	176	177	180	179	174	172	176	179	189	192	202	180
24 D	202	208	214	209	188	202	202	183	174	130	-37	-52	61	122	162	146	117	116	115	161	186	187	187	194	149
25	191	182	181	181	181	181	183	181	185	181	180	162	128	159	177	177	180	184	188	190	190	189	189	188	180
26	186	185	184	184	183	181	180	180	175	158	155	145	123	156	157	182	177	178	178	180	183	183	182	182	173
27 Q	180	178	174	174	173	173	173	173	172	171	171	171	171	171	172	174	176	179	182	182	179	179	176	173	175
28 Q	171	172	175	175	176	179	177	177	173	148	139	161	173	176	178	177	180	179	178	181	182	181	176	175	173
29	173	174	176	176	175	180	179	179	146	155	175	173	170	173	173	174	177	178	176	179	175	173	177	180	174
30	178	181	181	185	188	189	180	174	175	175	174	173	172	171	171	173	175	174	172	174	175	176	175	171	176
31 D	171	181	201	188	184	188	196	163	163	-55	75	42	111	75	60	157	182	182	191	202	204	206	206	201	153
Mean	193	194	195	196	186	183	182	176	164	146	150	144	148	156	163	174	176	177	180	187	190	194	195	196	177

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 166 Meanook — October, 1936.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	3	34	750	7	29	585	165	9	47	70.0	7	31	36.3	33.7	6	14	230	8	24	70	160	1157	1
2 Q	10	33	747	20	5	710	37	18	23	65.3	23	29	54.8	10.5	21	41	200	15	13	178	22	177	0
3 Q	11	44	754	18	58	714	40	17	20	66.9	22	13	53.3	13.6	23	26	201	10	29	155	46	323	0
4	14	0	753	19	20	704	49	16	30	70.9	21	20	55.1	15.8	0	10	197	19	12	169	28	230	0
5	14	57	759	19	20	677	82	15	4	70.0	20	7	39.5	30.5	23	30	224	8	20	106	118	803	1
6	5	44	786	10	29	541	245	10	47	79.5	23	33	48.6	30.9	4	30	276	10	28	-9	285	1997	1
7	13	18	762	8	28	507	255	9	17	83.1	8	12	41.8	41.3	21	33	260	8	59	-71	331	2284	1
8	3	56	804	7	27	625	179	5	34	98.2	3	31	52.1	46.1	3	43	298	7	21	55	243	1668	1
9	7	44	756	11	57	506	250	12	2	82.3	19	20	47.6	34.7	21	24	247	11	57	-164	411	2752	1
10 D	4	25	1054	9	5	-50	1104	9	17	115.9	8	52	4.9	111.0	8	37	459	9	23	-115	574	4683	2
11	13	34	776	8	59	717	59	16	21	71.3	20	4	57.6	13.7	13	41	202	8	27	178	24	217	0
12	12	36	752	19	44	703	49	16	25	67.9	8	51	55.7	12.2	24	0	183	9	30	113	70	476	1
13	5	59	753	17	41	703	50	16	32	70.1	19	55	58.0	12.1	22	0	189	18	1	175	14	147	0
14	11	6	750	13	36	666	84	15	0	64.4	13	42	52.2	12.2	22	5	186	14	52	61	125	847	1
15	4	0	773	9	17	625	148	15	24	71.2	3	36	52.9	18.3	4	40	269	9	16	95	174	1212	1
16 D	22	56	918	6	48	571	347	4	59	75.0	6	40	39.5	35.5	22	59	366	6	44	47	319	2329	1
17 D	2	33	1080	9	55	-49	1129	7	18	124.3	2	32	0.8	123.5	9	29	537	5	52	-151	688	5507	2
18	9	2	748	10	58	659	89	15	14	72.4	8	4	57.1	15.3	22	0	189	11	23	112	77	569	1
19	15	13	758	11	52	644	114	16	37	75.5	22	22	52.9	22.6	22	18	202	11	50	75	127	897	1
20	1	57	996	16	43	671	325	2	13	73.3	0	58	49.9	23.4	1	57	380	10	28	136	244	1857	1
21	7	10	751	20	22	707	44	14	54	72.9	8	26	56.3	16.6	6	55	212	10	17	148	64	435	1
22 Q	1	51	745	18	13	713	32	15	30	70.6	23	10	59.1	11.5	1	49	184	15	15	175	9	105	0
23	12	17	751	20	1	680	71	16	14	70.9	20	1	51.0	19.9	23	59	217	20	3	171	46	362	1
24 D	4	8	773	10	41	505	268	11	51	112.7	18	0	27.6	85.1	4	1	221	11	0	-109	330	2293	2
25	14	2	748	11	53	689	59	15	16	70.5	11	58	59.8	10.7	20	0	191	12	34	117	74	513	1
26	14	49	750	12	34	650	100	12	12	71.3	13	18	57.4	13.9	1	24	187	12	32	89	98	707	1
27 Q	8	19	741	98	42	722	19	16	12	66.3	18	38	59.5	6.8	18	50	183	1	15	170	13	101	0
28 Q	11	15	742	19	0	714	28	12	8	68.4	9	27	56.0	12.4	20	0	182	9	28	119	63	410	1
29	8	50	752	19	20	707	45	15	15	68.1	23	27	54.3	13.8	5	35	183	8	17	113	70	470	1
30	11	55	749	19	10	709	40	16	0	69.8	4	53	56.3	13.5	5	4	195	13	35	170	25	199	0
31 D	6	50	844	9	55	66	778	11	53	235.7	11	43	-0.1	235.8	12	15	408	11	37	-393	801	5730	2
Mean			793			590	203			82.1			46.7	35.4			247			64	183	1337	0.87
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 167. Meanook. (H.) 12,000 γ + November, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	719	718	721	721	720	720	719	723	730	729	728	728	727	722	715	716	707	709	709	711	709	715	721	719	719
2	724	730	730	730	730	730	733	735	736	737	739	739	736	734	736	735	734	726	717	715	716	725	730	728	730
3 D	722	721	721	728	744	757	758	708	500	600	432	602	642	652	695	688	694	694	657	678	736	708	740	718	679
4	713	796	891	900	896	824	734	712	704	703	713	694	727	730	718	720	712	704	697	700	707	714	721	725	744
5	716	733	755	730	727	729	719	728	643	662	740	738	736	737	734	728	713	703	698	697	706	706	708	721	717
6	729	733	733	731	734	740	738	735	711	698	706	744	725	725	740	732	714	700	698	702	712	722	716	723	722
7	730	734	737	739	738	735	740	725	732	720	719	726	722	699	712	729	730	714	711	706	706	721	721	723	724
8	727	731	732	733	735	731	736	732	729	721	740	740	741	741	732	687	692	687	699	701	715	722	709	719	722
9	731	761	873	849	731	722	713	711	726	732	733	733	731	732	728	718	714	716	712	707	708	712	717	727	735
10	732	741	738	732	732	732	733	733	734	735	739	733	744	744	739	736	736	727	714	710	706	706	710	713	729
11 D	731	735	731	735	744	749	770	742	713	728	715	629	609	612	553	647	653	642	670	683	712	780	798	751	701
12	745	725	748	770	754	745	733	726	726	727	730	731	734	732	719	721	726	716	716	713	716	720	723	726	730
13 Q	735	734	735	735	735	735	735	734	735	736	738	740	743	743	737	735	732	728	725	726	726	726	726	730	734
14	726	730	730	731	736	735	736	736	736	715	745	737	742	741	745	734	719	712	715	721	717	724	727	730	730
15 D	736	740	740	743	749	745	736	639	718	749	722	685	635	595	673	724	743	724	716	718	713	706	735	720	713
16 D	737	740	743	748	752	738	736	736	742	710	717	698	584	601	720	726	730	725	713	702	714	714	728	736	716
17	742	751	751	752	746	748	742	738	742	749	739	737	737	735	728	733	717	725	715	711	707	704	711	726	733
18	730	733	740	759	742	739	730	753	691	730	690	655	702	706	687	696	724	724	715	714	713	711	728	730	718
19	732	747	740	751	755	746	744	743	715	737	734	714	652	710	744	742	733	730	722	716	714	716	719	730	728
20	731	736	737	737	740	743	726	718	620	731	673	676	676	667	720	727	732	723	716	716	714	717	722	731	710
21	737	740	736	737	736	736	736	736	736	731	734	732	701	703	736	740	736	729	719	710	707	716	725	734	728
22 Q	746	745	744	739	737	739	732	738	738	733	730	735	732	738	741	739	735	728	725	717	712	712	723	729	733
23 Q	734	741	737	735	736	739	740	740	741	742	744	738	745	742	743	740	736	731	726	719	717	724	730	733	736
24 Q	736	744	741	738	737	740	743	743	746	746	742	736	738	741	749	749	746	740	733	722	723	724	731	737	738
25 Q	743	745	746	745	744	739	742	739	737	736	740	743	743	744	748	746	742	736	730	727	727	734	737	739	740
26	742	748	746	746	748	748	745	745	745	746	746	746	746	746	747	748	745	723	703	702	711	721	727	735	738
27	741	748	747	746	741	741	741	740	741	741	743	745	746	745	742	739	736	727	720	715	716	726	727	731	737
28	737	743	743	742	741	741	740	740	744	746	749	748	749	748	751	750	748	742	733	727	726	731	731	744	741
29 D	733	879	782	806	533	464	605	-89	237	326	581	548	621	699	727	725	728	715	713	718	708	706	704	714	620
30	717	729	723	723	721	721	719	718	717	713	705	699	705	727	727	711	708	715	712	705	705	708	711	720	715
31																									
Mean	732	744	749	750	737	732	732	702	699	707	714	711	709	713	723	725	724	717	712	710	714	719	725	728	722

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 168. Meanook. (D.) East 25° + . . . ′ November, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	62.2	62.0	61.9	62.1	61.7	61.5	61.5	61.7	62.2	62.1	62.3	62.7	63.0	63.2	63.4	66.1	64.8	62.1	61.0	60.2	60.4	61.2	61.5	61.8	62.2
2	61.2	61.3	61.2	61.3	61.3	61.3	61.1	61.0	61.2	61.7	62.3	62.9	63.4	64.2	65.9	68.7	68.7	66.3	63.7	59.6	57.0	57.5	57.6	57.7	62.0
3 D	56.0	58.9	59.2	60.1	67.0	59.6	59.6	53.5	64.2	56.0	76.0	80.8	78.3	85.7	71.8	64.1	59.6	59.9	58.0	56.0	60.3	51.3	54.2	56.0	62.8
4	57.1	53.4	57.6	54.9	56.3	62.6	61.2	65.8	62.8	63.7	65.5	62.4	62.6	63.6	64.8	67.6	66.4	66.9	64.3	61.0	60.1	59.5	59.1	59.0	61.6
5	58.3	61.5	63.2	60.7	61.0	60.4	60.7	61.3	59.4	61.5	60.7	62.5	64.2	62.7	64.6	66.9	69.3	68.0	64.9	62.3	60.7	61.0	59.6	59.5	62.3
6	59.7	59.9	60.1	61.4	60.2	59.7	60.2	60.5	61.0	60.3	55.0	62.5	63.6	63.0	65.0	67.0	69.7	67.5	61.2	60.1	57.5	57.7	56.3	55.0	61.0
7	59.9	60.3	60.6	60.5	60.6	60.7	64.3	62.8	59.9	61.2	63.6	67.1	67.3	67.7	71.5	70.5	67.1	61.7	59.9	60.1	58.9	57.1	55.1	55.6	62.2
8	57.8	60.7	61.0	61.0	60.6	58.4	62.8	61.0	60.3	59.0	61.3	62.8	62.9	63.0	64.3	59.7	58.7	60.2	57.0	57.8	57.3	57.3	56.8	56.7	59.9
9	58.3	57.9	64.8	58.8	63.7	63.8	61.0	63.5	58.7	60.8	62.0	62.5	63.3	63.6	64.6	67.8	66.2	66.0	63.2	62.0	61.8	61.3	60.9	60.4	62.4
10	59.8	59.3	59.1	64.0	59.9	60.4	60.5	60.6	62.0	63.0	64.4	63.0	65.9	65.2	65.7	67.5	68.0	67.7	64.1	62.9	59.9	58.6	58.7	60.3	62.5
11 D	61.1	61.0	61.2	64.3	60.2	58.9	71.8	54.2	58.2	69.2	69.5	75.6	63.1	61.3	74.9	57.2	60.8	58.1	48.4	53.2	56.5	54.5	53.2	56.5	61.0
12	55.8	57.5	59.0	60.9	62.6	60.1	62.0	62.0	62.9	63.1	64.0	64.3	64.8	64.8	65.7	64.9	64.6	64.6	59.2	60.3	60.7	60.7	60.0	60.0	61.8
13 Q	61.5	62.5	62.4	62.3	62.1	62.0	61.9	61.9	62.0	62.3	62.6	62.9	63.3	63.7	64.7	66.0	66.8	66.3	64.5	63.8	64.1	63.8	62.8	62.0	63.2
14	61.8	61.3	61.7	62.0	62.0	61.7	61.7	61.8	63.2	67.5	66.5	66.9	66.6	66.6	66.6	67.7	67.7	64.9	62.0	60.7	60.6	61.0	59.3	59.1	63.4
15 D	60.0	60.2	61.0	61.1	62.1	62.3	62.3	80.9	70.7	61.0	66.4	63.8	66.6	72.4	64.6	67.6	67.8	65.9	62.8	61.0	60.9	58.9	56.6	59.6	64.0
16 D	60.7	62.2	62.2	71.7	72.1	66.9	66.5	60.2	61.3	63.3	66.3	66.4	61.3	63.7	65.2	70.2	66.7	65.9	62.9	61.1	61.1	60.2	61.6	61.5	64.2
17	61.9	61.4	61.9	62.2	63.1	63.1	63.4	63.5	59.4	63.1	63.3	63.7	65.0	65.0	64.0	66.9	67.6	65.5	64.0	62.1	60.7	60.7	61.1	60.1	63.0
18	60.5	61.1	64.5	72.4	61.7	61.9	63.3	63.6	62.5	64.0	61.2	61.5	71.7	66.3	65.2	60.9	63.8	63.8	61.1	60.9	59.5	61.8	60.4	57.8	63.0
19	60.6	61.5	62.9	65.5	68.4	62.4	61.9	62.1	58.9	60.4	64.1	65.9	63.8	66.9	67.6	66.6	66.3	62.9	61.7	60.4	59.0	59.5	60.0	60.6	62.9
20	61.6	62.5	62.6	62.1	61.9	65.3	59.6	64.0	62.4	62.1	66.1	70.5	67.1	72.3	69.8	67.5	67.1	60.4	57.3	57.7	57.3	59.3	61.1	61.9	63.3
21	63.3	62.9	63.2	63.2	63.2	63.2	62.9	62.5	61.7	61.6	61.7	63.3	63.8	59.3	64.1	67.6	69.6	67.3	66.0	63.3	61.2	60.4	60.2	60.4	63.2
22 Q	60.9	61.9	61.9	61.9	61.9	61.7	58.5	62.2	61.3	60.5	60.9	62.5	62.4	62.2	64.0	64.2	64.3	64.5	63.4	62.3	61.1	60.5	60.4	60.4	61.9
23 Q	61.1	62.1	62.4	62.7	62.1	62.3	62.4	62.3	62.1	62.1	62.8	61.7	63.6	63.8	64.1	64.6	65.0	63.4	62.0	61.9	61.9	61.4	60.3	60.8	62.4
24 Q	61.4	62.3	62.2	62.5	62.2	63.7	61.1	61.3	61.9	61.9	62.7	62.0	64.2	63.9	64.4	65.9	64.7	64.2	63.9	63.1	61.9	61.1	60.3	60.4	62.6
25 Q	60.3	61.9	61.6	61.7	62.1	62.3	62.3	62.7	63.5	65.0	63.2	63.1	63.8	63.1	63.8	64.0	64.8	65.2	64.4	62.8	61.5	60.4	60.0	60.1	62.6
26	60.9	60.6	60.8	61.7	62.4	62.5	62.6	62.2	62.1	62.9	63.0	63.3	63.8	63.9	64.9	67.2	67.6	69.6	68.4	62.5	59.2	60.2	60.0	59.2	63.0
27	60.4	60.9	60.2	61.4	62.2	62.1	62.3	62.8	62.8	62.8	62.7	63.0	63.3	63.5	64.1	65.0	65.6	65.6	64.3	62.7	61.1	60.7	60.7	60.2	62.5
28	60.6	62.1	62.0	62.3	62.2	62.1	62.0	62.0	62.1	62.2	62.4	62.9	63.3	63.6	64.3	65.5	66.9	66.0	65.1	63.7	62.6	61.9	61.1	60.1	62.9
29 D	63.2	67.8	58.9	48.2	70.7	61.7	64.0	65.9	76.9	86.4	76.3	70.0	67.8	69.0	70.5	67.5	66.9	65.5	65.0	63.5	63.8	64.0	64.3	63.9	66.7
30	63.6	63.3	64.0	64.1	64.0	63.5	63.4	62.7	62.7	62.4	62.3	61.5	63.5	63.3	64.0	66.6	66.7	66.9	66.3	63.8	63.1	62.7	61.9	60.2	63.6
31																									
Mean	60.4	61.1	61.5	62.0	62.7	61.9	62.3	62.4	62.3	63.1	64.0	64.8	64.9	65.4	65.9	66.0	66.0	64.8	62.3	61.1	60.4	59.9	59.5	59.6	62.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 169. Meanook. (Z.) 59,000 γ + November, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	199	192	188	188	187	186	185	183	173	183	184	184	184	184	179	170	168	167	168	178	185	189	193	184	182
2	185	196	205	203	201	201	197	200	203	203	202	199	197	199	202	203	203	202	203	208	208	209	209	209	202
3 D	210	217	228	241	243	247	212	186	225	185	160	172	112	53	77	91	151	180	215	237	262	238	245	237	193
4	241	267	223	258	239	183	204	195	179	171	174	187	199	215	204	204	217	221	221	221	221	221	223	224	213
5	228	264	284	241	208	204	202	195	124	63	196	207	201	205	206	213	215	217	219	221	223	222	219	217	208
6	213	210	215	212	209	208	206	205	190	147	102	187	196	180	198	208	207	208	209	210	217	225	225	245	201
7	227	226	215	207	207	204	207	205	188	172	186	198	197	197	197	190	161	185	192	203	206	210	221	227	201
8	229	228	217	209	209	206	210	209	192	177	191	203	203	203	204	197	168	193	200	212	214	219	229	233	206
9	262	297	296	328	223	206	207	161	198	214	212	209	206	204	207	207	207	208	208	211	212	210	208	207	221
10	204	214	214	216	214	209	203	188	203	206	208	192	205	208	208	208	209	209	209	209	211	212	213	210	208
11 D	209	209	206	210	222	235	151	147	162	162	131	117	107	54	136	92	134	177	227	236	251	274	288	267	184
12	247	222	214	211	215	217	213	212	204	201	197	200	200	201	197	192	193	193	200	205	205	205	203	204	206
13 Q	204	199	200	200	200	199	199	199	198	198	198	198	198	197	197	199	204	204	199	199	199	199	200	199	199
14	199	201	204	204	201	198	198	197	192	143	176	191	196	196	196	196	195	190	194	196	197	198	199	199	194
15 D	200	201	201	200	199	201	195	133	195	210	196	140	76	- 4	8	111	186	196	200	203	206	208	209	207	170
16 D	209	209	210	210	157	138	182	185	195	162	167	155	104	89	168	177	192	214	213	209	213	214	223	218	184
17	211	212	211	213	205	211	214	204	198	206	201	197	196	194	199	204	194	200	207	207	212	214	226	224	207
18	215	217	216	206	205	198	195	127	89	154	120	91	98	112	112	134	162	183	182	183	195	204	205	204	167
19	214	218	211	210	191	202	201	179	164	180	187	167	123	130	157	158	162	165	177	180	187	188	190	192	180
20	188	187	190	193	194	184	176	170	91	78	86	79	82	69	116	131	137	149	154	170	185	188	191	193	149
21	196	203	199	197	192	190	187	186	184	174	176	182	164	157	178	192	194	194	194	194	194	194	194	194	188
22 Q	192	204	203	202	202	193	166	174	189	175	171	171	170	172	176	177	177	178	178	183	188	187	189	191	184
23 Q	192	191	188	189	188	187	187	187	187	187	187	177	177	185	186	186	186	186	186	186	194	188	187	188	187
24 Q	189	190	192	192	191	191	191	190	188	185	181	170	155	168	176	177	178	177	177	181	187	187	187	188	183
25 Q	188	188	190	190	189	188	187	184	183	183	186	188	188	188	187	187	187	186	182	182	185	186	188	186	186
26	186	187	188	188	187	187	187	187	186	186	186	184	184	184	182	182	179	177	178	177	187	187	187	187	184
27	188	201	203	197	189	189	189	189	189	188	189	189	189	188	188	188	189	189	198	201	201	199	191	190	192
28	190	190	190	190	190	190	189	189	189	188	188	187	187	186	188	191	193	194	195	196	196	195	193	201	191
29 D	238	329	280	204	-21	173	184	227	247	333	290	224	150	158	211	236	228	222	220	223	224	225	224	224	219
30	223	205	202	202	202	202	202	204	202	201	193	192	190	204	212	211	210	215	216	213	220	223	223	223	208
31																									
Mean	209	216	213	210	194	198	194	186	184	180	181	178	168	162	175	180	186	193	197	201	206	207	209	209	193

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 170 Meanook — November, 1936.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	8	29	739	17	7	698	41	15	48	67.9	18	43	58.8	9.1	22	45	206	17	12	167	39	283	0
2	14	28	800	19	51	708	92	15	40	71.3	20	56	56.0	15.3	14	25	213	0	0	185	28	283	1
3 D	6	21	801	8	48	301	500	10	47	102.2	7	32	32.1	70.1	9	0	365	13	45	24	341	2655	2
4	11	41	937	11	43	679	258	5	57	75.3	1	56	44.2	31.1	4	1	308	5	24	151	157	1257	1
5	1	53	794	8	46	529	265	1	58	77.4	8	56	46.2	31.2	2	30	307	9	29	20	287	2036	1
6	11	51	752	10	0	636	116	16	22	72.4	9	53	50.0	22.4	23	46	264	9	57	36	228	1496	1
7	6	57	765	13	56	682	83	6	56	75.2	22	11	53.6	21.6	22	4	256	13	51	119	137	916	1
8	6	11	751	16	10	666	85	6	4	67.1	16	3	53.5	13.6	24	0	249	16	12	152	97	682	1
9	1	35	956	7	10	660	296	2	28	74.6	3	16	38.8	35.8	2	12	374	7	56	121	253	1875	1
10	12	2	749	20	12	699	50	17	3	80.4	21	12	57.5	22.9	3	54	221	7	37	183	38	290	1
11 D	6	35	838	14	8	429	409	14	6	110.1	7	16	30.3	79.8	21	50	305	13	54	-25	330	2476	2
12	3	30	790	19	40	707	83	17	21	68.2	0	39	52.8	15.4	0	58	257	17	28	190	67	502	1
13 Q	12	30	744	18	47	719	25	16	8	67.4	1	0	61.5	5.9	17	0	209	14	0	197	12	103	0
14	10	38	754	9	41	700	54	9	15	70.2	22	45	58.2	12.0	2	20	204	9	47	120	84	566	1
15 D	8	33	782	7	37	533	249	7	20	94.1	6	58	49.9	44.2	22	53	239	14	24	-55	294	2056	2
16 D	3	58	784	12	18	476	308	3	55	88.2	12	42	50.3	37.9	6	58	229	12	16	42	187	1498	2
17	8	20	763	19	59	693	70	15	56	69.1	8	21	54.0	15.1	22	36	235	8	49	166	69	497	1
18	7	29	784	11	16	615	169	3	7	86.5	23	50	56.4	30.1	3	8	229	11	15	63	166	1198	1
19	4	12	768	12	29	587	181	4	3	75.5	8	40	55.4	20.1	2	10	220	12	11	88	132	1011	1
20	4	18	754	8	41	518	236	13	19	75.2	9	18	52.1	23.1	3	45	200	8	44	-6	206	1520	1
21	1	29	744	13	1	666	78	16	40	70.3	13	8	55.9	14.4	1	19	207	13	4	139	68	501	1
22 Q	6	23	750	21	30	711	39	16	55	65.9	6	32	51.6	14.3	1	30	204	6	35	141	63	424	1
23 Q	12	21	748	20	50	717	31	15	47	67.4	23	3	59.7	7.7	20	0	194	11	57	168	26	193	0
24 Q	15	8	751	19	35	717	34	5	17	67.1	22	17	59.4	7.7	4	54	194	11	59	147	47	321	0
25 Q	4	26	749	19	43	725	24	17	37	65.9	22	52	59.2	6.7	5	0	190	17	50	175	15	119	0
26	16	10	756	18	7	687	69	18	4	77.4	23	33	57.7	19.7	3	0	188	19	30	174	14	171	0
27	1	44	750	19	49	713	37	17	10	66.2	23	3	59.2	7.0	2	25	207	14	0	188	19	159	0
28	23	42	805	23	40	709	96	16	53	69.2	23	43	55.4	13.8	23	44	227	23	41	175	52	430	0
29 D	1	34	977	7	34	-485	1462	9	28	170.0	3	34	35.9	134.1	9	33	685	4	35	-352	1037	7995	2
30	12	13	746	12	9	670	76	16	37	71.7	23	26	59.7	12.0	0	8	234	12	7	169	65	483	1
31																							
Mean			786			602	184			78.7			52.2	26.5			254			102	152	1134	0.90
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 171. Meanook. (H.) 12,000 γ + December, 1936.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	723	724	729	736	749	738	728	681	691	696	681	642	655	659	708	733	723	711	701	699	700	705	708	716	706
2	705	730	729	729	738	735	726	707	672	690	744	758	753	749	743	739	729	724	713	708	707	710	720	729	724
3	730	742	739	739	738	744	737	736	693	689	709	735	736	733	738	740	744	736	718	712	715	721	726	729	728
4 D	726	737	740	740	751	752	736	742	732	738	739	722	685	694	746	742	735	730	722	718	711	713	722	730	729
5	731	733	750	749	749	747	743	739	738	721	730	733	733	738	747	743	735	733	726	714	720	726	719	734	735
6	740	734	738	749	742	742	743	742	740	740	737	719	726	745	744	720	726	726	712	709	704	713	726	733	731
7	742	746	743	749	752	752	747	744	743	743	738	744	744	746	743	733	713	730	707	708	711	724	725	735	736
8	742	747	747	747	746	746	746	742	742	740	735	738	745	745	745	744	741	732	723	714	709	719	726	733	736
9 Q	741	746	743	744	744	741	739	738	736	738	741	741	741	734	721	748	746	739	729	720	717	719	723	731	741
10 Q	740	749	752	751	748	748	749	745	747	748	748	743	735	735	742	747	746	743	733	725	725	729	731	734	739
11	736	747	748	748	746	742	741	730	716	737	733	741	744	745	745	748	749	738	738	738	732	731	732	736	744
12 D	743	744	747	747	744	745	743	740	740	727	708	753	756	764	750	744	740	753	751	744	740	740	744	746	742
13 D	747	753	756	746	749	757	746	746	745	748	735	748	751	744	745	744	742	736	730	729	729	727	723	737	737
14	749	753	756	757	744	750	744	746	747	744	742	739	734	731	719	729	736	723	725	722	722	724	730	738	738
15	741	744	749	750	745	744	744	743	736	743	740	740	725	744	744	744	744	735	726	723	726	731	735	741	739
16	748	751	753	753	751	750	748	744	745	745	747	750	750	750	749	745	741	735	731	725	725	724	732	741	743
17	744	754	754	752	750	746	745	744	744	742	745	749	752	751	745	748	746	736	732	729	732	734	736	740	744
18	739	748	744	747	748	747	744	743	744	744	744	739	742	727	744	750	748	744	732	723	721	728	732	738	740
19 Q	743	744	744	744	745	743	744	743	742	743	744	745	748	750	745	744	741	727	721	721	722	725	733	741	739
20	749	749	747	747	744	740	739	741	743	743	729	735	739	751	756	755	756	745	738	734	726	727	737	736	742
21	738	748	743	743	743	746	747	741	743	741	739	717	743	739	733	731	743	740	731	732	731	733	734	743	738
22 Q	742	747	746	748	748	749	750	748	745	745	745	745	748	746	744	742	735	728	723	721	726	726	729	735	740
23	734	743	740	742	745	743	740	736	730	659	719	746	745	744	744	743	732	731	723	723	719	720	723	728	731
24 Q	734	746	745	746	745	742	744	746	746	747	746	746	745	745	745	746	740	732	729	727	727	728	732	738	740
25	741	743	744	742	740	739	738	741	746	747	749	749	749	749	750	749	744	737	736	734	728	729	731	742	742
26	750	753	753	752	749	746	747	747	749	751	752	752	752	752	753	752	747	738	734	730	732	732	734	744	746
27 D	748	750	750	751	748	733	737	722	723	705	655	719	751	742	749	760	752	725	711	700	716	714	713	738	730
28 D	791	809	857	909	872	544	645	526	512	320	-9	61	240	290	304	586	717	749	729	715	716	724	727	725	586
29	724	723	724	720	718	718	714	704	718	728	717	696	695	709	707	718	718	718	718	721	714	716	714	721	716
30	726	732	731	731	730	728	726	725	727	734	736	738	738	740	741	740	741	731	717	710	701	711	715	721	728
31	726	736	733	735	734	733	732	731	732	733	732	733	736	745	742	737	728	715	706	709	720	732	732	733	730
Mean	739	745	748	750	748	736	737	729	726	718	708	713	720	724	727	737	738	733	725	720	720	724	727	734	730

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 172. Meanook, (D.) East 25° + . . . ′ December, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	60.7	61.6	62.5	64.4	65.6	62.6	64.8	46.3	60.0	67.4	67.6	68.8	69.9	64.7	66.9	69.7	68.3	68.0	65.9	61.7	61.1	59.9	59.7	60.4	63.7
2	60.0	61.9	62.9	65.3	63.3	62.3	61.8	59.6	60.2	62.3	63.8	64.3	64.8	65.4	65.9	66.5	67.1	66.4	63.3	61.1	58.9	58.1	58.4	55.2	62.4
3	57.9	59.8	61.0	60.2	62.3	64.5	61.3	64.1	59.9	62.1	66.9	65.7	63.8	66.4	67.7	68.3	68.5	69.8	64.4	60.9	58.3	57.3	58.7	58.0	62.8
4 D	59.1	60.3	59.3	61.3	63.8	62.1	63.3	62.0	62.9	62.6	63.0	67.8	63.7	64.9	65.7	68.3	65.5	66.0	65.0	63.1	61.0	59.8	59.0	58.9	62.8
5	58.5	62.1	60.3	60.2	62.0	61.9	61.4	61.2	61.2	59.6	60.0	62.1	61.3	61.1	62.2	64.0	66.4	66.4	66.4	63.1	61.2	58.1	58.9	56.9	61.5
6	58.4	60.2	60.4	60.6	60.3	60.9	61.1	60.6	60.1	60.2	61.7	59.3	60.4	61.9	62.9	63.1	63.0	62.0	58.1	56.9	56.4	53.9	54.6	55.1	59.7
7	55.4	56.6	59.0	59.9	60.0	59.6	59.8	59.8	59.9	60.5	59.8	60.1	60.2	60.4	61.1	62.9	60.3	59.8	60.8	61.1	57.1	55.1	56.0	57.8	59.3
8	58.9	58.9	59.2	59.5	58.4	59.0	59.1	59.2	60.0	59.9	58.9	58.8	59.2	59.7	60.0	61.2	61.6	61.7	60.9	60.0	57.3	57.3	56.8	56.7	59.2
9 Q	57.2	57.8	58.1	58.1	58.1	58.0	58.3	58.2	58.3	58.5	58.5	58.8	59.7	59.6	58.1	58.9	62.0	61.7	61.1	59.2	57.3	56.1	55.7	56.4	58.5
10 Q	57.3	58.0	57.8	57.8	58.7	58.9	57.9	58.3	58.5	58.9	59.5	60.0	61.0	61.8	62.1	62.3	63.1	61.1	59.9	59.6	58.8	58.0	57.3	57.4	59.3
11	59.1	59.4	59.9	59.2	58.9	58.3	58.6	54.3	53.9	60.2	60.4	63.2	64.1	63.7	61.7	62.2	62.7	61.1	59.9	58.5	57.4	56.8	57.3	57.3	59.5
12 D	57.7	58.0	58.4	58.8	60.0	60.2	59.4	60.0	63.2	62.9	57.3	62.3	60.2	62.1	64.6	63.8	58.9	60.4	59.1	58.3	57.3	56.4	56.2	55.5	59.6
13 D	56.8	57.2	57.0	57.2	57.4	60.0	57.1	58.4	59.9	61.0	61.1	62.7	63.0	62.2	61.4	61.1	62.1	60.2	59.1	57.8	57.4	55.6	57.4	55.4	59.1
14	55.5	56.9	57.9	56.7	59.4	59.2	59.0	61.1	57.5	59.8	60.7	60.7	62.8	60.2	57.5	59.6	61.0	60.0	58.6	58.3	58.4	58.2	57.4	57.3	58.9
15	57.9	58.1	58.3	59.0	59.1	58.7	59.4	57.3	61.0	58.9	58.2	61.0	58.4	59.9	61.2	62.1	63.0	61.9	60.0	58.5	56.9	56.9	56.8	57.4	59.2
16	58.3	58.9	59.4	60.0	60.0	59.9	59.7	59.7	59.3	58.9	59.1	59.5	60.2	60.9	61.1	61.9	61.9	63.8	62.1	60.4	58.1	56.5	56.5	57.3	59.7
17	58.5	59.5	59.8	60.3	60.8	60.9	61.0	59.3	59.7	58.6	59.9	61.1	62.2	62.1	60.4	62.8	63.3	63.0	61.0	58.3	58.3	58.2	58.1	59.2	60.3
18	59.2	59.6	60.3	61.1	61.2	61.0	60.8	60.8	61.0	59.9	60.6	61.6	61.4	61.3	62.0	63.0	64.2	64.4	63.6	61.9	60.8	59.9	59.4	59.9	61.2
19 Q	60.3	59.2	59.1	61.0	61.7	61.6	61.1	61.0	59.4	60.2	59.7	61.1	62.7	59.5	62.4	64.8	64.1	62.6	61.0	60.1	59.0	58.8	59.0	58.6	60.8
20	59.6	60.0	61.0	61.1	61.4	62.4	62.4	60.0	60.5	60.8	58.8	65.9	66.9	66.0	65.5	64.2	65.5	63.7	62.1	60.7	58.3	57.3	57.9	58.6	61.7
21	59.9	61.1	60.3	60.2	61.3	65.0	63.7	63.0	62.1	62.7	65.2	68.4	67.0	66.2	63.3	58.6	60.2	58.3	62.2	63.3	61.3	59.1	59.2	60.0	62.2
22 Q	61.0	60.4	60.6	61.8	62.4	62.4	62.3	62.1	61.1	62.2	63.1	62.9	63.3	63.2	63.1	64.3	65.6	65.9	64.4	63.8	62.5	61.1	60.9	60.2	62.5
23	59.4	60.5	61.2	62.0	62.2	62.3	63.2	65.0	63.6	58.3	66.5	63.8	62.4	62.7	63.1	65.7	65.9	66.9	66.0	64.6	62.3	60.0	58.7	58.9	62.7
24 Q	59.5	58.7	60.3	62.4	62.1	60.8	62.3	62.3	61.9	62.0	62.2	62.3	62.4	62.7	63.3	64.1	65.7	66.3	65.9	65.2	63.8	63.0	62.1	62.0	62.6
25	62.1	62.6	62.7	62.7	62.8	62.3	63.0	62.1	61.7	62.8	63.0	63.1	63.0	63.1	63.7	64.8	65.7	64.5	64.2	62.7	62.7	62.6	61.5	61.4	63.0
26	61.4	61.7	61.8	62.2	62.9	63.1	62.9	61.4	61.6	61.8	62.2	63.0	63.0	63.0	63.1	63.8	64.6	66.5	65.5	65.0	63.2	61.8	60.7	60.3	62.8
27 D	60.9	61.7	62.0	61.9	61.1	66.5	66.3	67.6	65.9	64.7	67.8	66.7	64.7	68.8	61.1	65.6	67.0	64.0	61.3	58.5	58.8	59.4	59.7	58.3	63.3
28 D	60.2	58.3	54.3	53.5	54.1	65.0	67.4	76.4	73.3	80.5	80.3	73.6	77.4	79.5	59.2	66.5	65.9	60.2	60.3	60.2	60.9	61.3	61.6	63.2	65.5
29	63.3	64.0	64.0	64.2	63.8	66.1	65.0	65.6	65.0	63.0	63.0	60.9	60.4	63.1	61.1	63.3	65.6	65.9	64.1	62.0	62.9	62.6	63.0	63.1	63.5
30	63.0	63.8	65.5	66.2	65.2	64.0	63.8	64.0	63.4	63.5	64.0	63.8	63.3	64.0	64.8	66.1	68.8	69.2	68.8	66.4	61.1	61.2	61.6	63.4	64.5
31	64.0	64.9	65.8	65.8	65.6	64.9	64.1	63.8	63.9	64.8	66.1	66.1	65.7	66.3	67.6	69.5	71.5	71.7	69.6	66.4	64.0	63.0	63.2	63.7	65.9
Mean	59.4	60.0	60.3	60.8	61.2	61.8	61.6	61.1	61.3	61.9	62.5	63.2	63.2	63.4	62.7	64.0	64.5	64.0	62.7	61.2	59.8	58.8	58.8	58.8	61.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 173. Meanook. (Z.) 59,000 γ + December, 1936.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	218	218	219	222	230	226	186	110	121	164	162	139	164	177	175	194	194	196	198	206	217	221	224	221	192
2	227	213	214	213	211	211	210	189	99	139	194	197	200	203	206	210	209	208	205	206	211	212	216	231	201
3	241	237	233	248	255	241	228	216	150	108	154	202	209	197	192	194	213	214	213	217	219	219	217	223	210
4 D	225	226	231	241	245	224	210	210	207	211	211	162	122	133	203	207	203	197	197	196	200	200	204	206	203
5	214	238	243	234	228	229	228	225	222	207	202	212	215	214	214	218	218	219	217	217	220	230	230	233	222
6	234	232	231	240	244	236	233	225	227	228	227	207	194	212	213	208	215	214	211	210	211	213	234	239	222
7	247	258	251	244	233	225	226	225	223	223	217	224	222	220	216	207	201	199	201	217	228	231	228	227	225
8	227	225	225	228	224	223	221	215	214	214	202	203	212	214	215	214	216	217	210	210	211	216	223	224	217
9 Q	219	215	215	214	214	212	211	210	203	198	206	206	202	197	187	202	201	202	203	203	203	207	207	207	206
10 Q	207	206	207	205	204	202	201	200	199	194	189	173	166	175	186	191	188	190	193	193	194	194	195	195	194
11	197	196	191	188	186	185	185	152	137	151	164	166	171	177	182	181	181	178	179	178	179	179	180	183	177
12 D	184	187	191	191	189	189	189	188	176	173	154	170	184	182	170	175	180	177	174	174	183	186	186	190	181
13 D	193	193	199	208	215	213	201	204	200	195	183	180	195	198	200	199	199	199	201	202	209	209	204	213	200
14	218	218	214	216	222	242	242	233	214	199	224	214	202	200	205	208	206	208	213	221	226	226	227	226	218
15	227	225	226	226	225	225	223	213	212	223	224	226	215	216	229	232	232	232	234	238	240	240	239	239	228
16	240	240	240	241	241	240	241	240	241	241	241	241	242	241	242	243	243	240	242	244	249	251	252	254	243
17	256	254	257	257	256	256	257	256	252	244	246	255	251	247	246	248	247	247	250	252	253	256	256	256	252
18	259	256	253	254	253	253	250	245	245	239	242	249	251	251	252	256	256	254	254	251	256	256	256	256	252
19 Q	259	258	259	257	256	253	254	254	233	246	249	248	247	223	225	247	246	246	247	253	256	259	258	258	250
20	260	258	248	247	247	246	246	245	241	236	213	205	201	202	209	233	238	239	240	242	245	246	249	252	237
21	256	256	260	264	265	259	257	257	257	254	246	213	211	213	223	231	232	224	225	236	244	245	245	245	242
22 Q	247	248	249	250	249	247	245	245	243	243	243	241	241	242	242	245	246	245	245	246	245	245	244	243	245
23	244	244	245	245	244	244	243	231	233	138	193	230	237	238	239	239	238	236	234	234	238	239	239	239	233
24 Q	235	245	248	248	247	249	245	236	232	231	230	229	229	229	229	230	230	226	231	232	233	231	230	227	235
25	228	227	226	225	224	224	224	221	219	217	217	219	219	217	216	216	215	215	217	219	219	217	217	215	220
26	214	212	212	212	212	212	212	210	209	209	209	207	207	207	206	206	207	207	207	207	207	204	203	205	208
27 D	206	204	203	202	203	218	212	183	181	145	100	158	179	170	191	191	187	193	199	204	215	228	229	235	193
28 D	288	294	307	288	183	132	188	22	193	245	184	47	120	204	75	185	234	219	211	218	220	220	219	216	196
29	215	214	217	212	212	206	193	173	181	197	199	169	148	149	139	159	161	180	197	208	211	212	212	211	191
30	212	212	206	204	198	195	194	193	188	183	186	187	188	189	192	193	193	189	193	197	197	194	193	196	195
31	199	197	193	189	186	183	183	184	183	183	182	178	172	185	190	185	184	184	185	185	184	183	182	181	185
Mean	229	229	229	229	226	222	220	207	204	202	203	199	200	204	203	211	213	213	214	217	220	222	222	224	215

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 174 Meanook — December, 1936.

Day	Horizontal Force: Maximum 12,000 γ +			Horizontal Force: Minimum 12,000 γ +			Horizontal Force: Range	Declination: Maximum 25° East +			Declination: Minimum 25° East +			Declination: Range	Vertical Force: Maximum 59,000 γ +			Vertical Force: Minimum 59,000 γ +			Vertical Force: Range	Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	4	38	764	11	36	625	139	4	17	75.5	7	22	37.7	37.8	4	17	267	7	49	-33	300	1951	1
2	10	45	761	8	8	645	116	8	37	67.6	8	12	53.4	14.2	24	0	244	8	11	58	186	1248	1
3	6	5	752	8	28	651	101	17	31	75.5	8	25	53.5	22.0	4	18	263	8	17	82	181	1200	1
4 D	5	13	770	12	58	621	149	11	59	72.0	20	58	56.4	15.6	4	26	254	13	16	78	176	1231	1
5	4	43	758	9	48	689	69	16	43	69.8	9	48	55.4	14.4	22	52	258	9	53	167	91	627	1
6	3	3	759	11	57	693	66	16	52	66.9	21	46	51.0	15.9	3	45	245	12	33	181	64	462	1
7	4	1	757	18	39	700	57	15	52	64.7	21	43	53.3	11.4	1	10	272	16	47	189	83	563	1
8	2	32	751	20	12	701	50	18	1	63.4	22	53	55.9	7.5	0	0	229	10	40	200	29	236	1
9 Q	4	16	752	13	10	707	45	16	13	64.7	22	3	55.4	9.3	1	24	219	14	8	183	36	269	1
10 Q	2	40	755	19	43	721	34	16	25	64.7	22	36	56.8	7.9	2	40	212	12	45	163	49	332	1
11	16	17	752	8	14	691	61	12	40	64.9	8	12	46.7	18.2	0	0	200	8	5	116	84	574	1
12 D	13	56	770	10	14	684	86	14	25	67.8	22	52	53.5	14.3	23	30	196	10	44	152	44	370	1
13 D	5	9	772	22	34	716	56	5	0	65.9	2	52	53.4	12.5	5	4	240	11	3	154	86	580	1
14	3	28	764	14	34	700	64	9	18	67.6	4	53	52.4	15.2	5	35	264	9	13	189	75	525	1
15	14	0	752	12	41	701	51	16	58	65.1	12	36	54.7	10.4	23	30	243	12	35	208	35	272	1
16	2	7	756	20	44	721	35	17	22	68.7	21	33	55.9	12.8	23	50	258	1	45	239	19	155	1
17	1	30	755	19	24	726	29	16	6	65.0	9	4	56.6	8.4	22	0	262	9	58	242	20	155	1
18	15	36	754	20	19	719	35	17	23	65.5	9	43	58.7	6.8	21	35	263	9	55	239	24	186	0
19 Q	2	0	753	18	58	720	33	13	7	66.3	13	38	55.1	11.2	23	45	264	13	49	186	78	504	1
20	14	37	762	10	16	700	62	11	35	68.2	10	18	52.4	15.8	0	10	261	12	38	190	71	499	1
21	12	51	757	11	24	701	56	11	58	73.8	17	53	54.3	19.5	3	40	271	11	43	171	100	663	1
22 Q	3	37	753	19	49	720	33	17	34	68.6	23	3	59.3	9.3	1	58	255	11	18	238	17	143	0
23	10	58	750	9	39	625	125	18	5	68.0	9	37	53.9	14.1	23	0	245	9	53	115	130	929	1
24 Q	9	0	747	19	52	723	24	17	16	66.8	1	31	57.7	9.1	5	17	253	24	0	225	28	199	0
25	14	12	755	21	4	727	28	16	37	66.7	19	10	61.2	5.5	0	0	228	16	0	214	14	119	0
26	1	30	756	20	5	728	28	17	43	67.1	21	10	60.2	6.9	0	0	217	22	30	203	14	119	0
27 D	3	36	773	10	14	615	158	6	11	75.7	19	14	56.4	19.3	23	18	252	10	29	42	210	1445	1
28 D	4	25	961	11	2	-364	1325	11	48	119.5	12	3	33.2	86.3	10	41	523	14	20	-291	814	6250	2
29	16	38	730	11	34	665	65	5	29	70.6	11	44	55.5	15.1	5	17	219	14	8	105	114	756	1
30	11	46	751	20	53	696	55	17	16	71.5	21	13	59.6	11.9	1	0	214	10	26	182	32	259	0
31	14	9	752	18	48	702	50	17	3	72.6	22	27	61.8	10.8	0	4	204	12	12	163	41	307	1
Mean			763			657	106			70.0			54.2	15.8			252			147	105	746	0.84
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 175. Meanook. (H.) 12,000 γ + January, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	737	741	748	750	750	749	745	744	744	746	745	747	748	752	748	745	740	728	717	709	717	723	735	744	740
2	751	758	758	757	756	754	753	750	748	750	754	755	759	755	752	751	746	734	723	711	706	723	730	723	744
3	747	750	743	749	749	761	752	745	740	737	739	734	729	747	753	756	748	730	714	713	714	723	732	737	739
4	742	741	742	745	757	732	748	727	706	700	734	737	743	749	750	746	738	715	703	706	719	725	734	741	732
5	738	737	742	741	743	738	746	752	745	744	743	746	745	745	747	748	744	722	714	718	721	729	737	744	739
6	749	745	747	750	750	754	748	745	742	744	743	742	749	753	754	746	750	734	723	723	728	730	737	747	743
7 D	751	750	748	755	750	754	756	749	745	755	747	750	753	754	756	753	732	685	667	682	710	732	746	737	738
8	714	751	736	723	720	721	723	723	724	727	731	736	738	739	742	746	745	736	719	720	719	716	720	726	729
9 D	738	738	739	737	736	742	744	754	756	578	546	727	756	746	757	752	745	731	727	729	735	727	749	756	727
10 D	750	750	751	745	739	757	745	715	601	574	580	425	527	701	700	721	749	742	730	712	698	690	738	753	691
11	763	748	759	740	744	770	718	729	744	732	740	732	738	723	713	733	755	736	719	713	702	702	732	761	735
12	763	760	760	758	745	741	736	742	737	733	731	736	751	760	755	717	727	743	734	726	730	732	736	748	742
13	740	737	742	733	731	728	731	734	738	734	723	711	676	734	749	752	739	727	721	717	710	714	725	734	723
14	737	739	740	741	739	737	732	739	724	720	743	737	745	749	750	749	743	735	729	722	719	721	729	736	736
15 Q	744	747	754	754	750	747	743	742	744	744	744	747	745	753	754	755	746	736	721	712	713	721	734	746	742
16 Q	749	750	745	742	743	743	741	737	738	743	745	750	754	754	754	754	747	730	719	717	720	731	745	748	742
17	752	755	752	748	748	748	747	745	746	747	753	758	756	757	757	759	754	741	731	724	722	729	743	748	747
18	753	750	750	750	751	755	748	743	745	746	748	749	750	753	756	756	741	738	730	728	729	739	742	747	746
19	749	748	749	749	749	747	747	747	745	745	746	744	744	743	744	749	746	740	729	731	728	725	727	732	742
20	740	748	748	752	753	753	754	754	754	753	753	754	749	741	750	754	757	747	729	729	726	741	742	748	747
21	743	745	754	754	754	755	759	749	746	747	728	730	734	742	747	748	726	696	699	691	711	731	735	739	736
22	745	763	750	751	749	748	745	743	743	742	741	741	739	745	747	748	740	723	716	715	709	718	727	738	738
23 Q	742	743	743	744	748	747	746	745	745	745	746	747	746	746	743	743	739	726	715	715	715	721	730	736	738
24	741	742	744	744	745	744	744	744	744	744	744	746	743	747	750	748	738	727	713	712	709	715	722	732	737
25 Q	735	738	746	748	747	747	746	744	745	746	749	749	749	750	752	755	750	740	729	721	717	723	734	740	742
26	744	747	748	749	748	747	747	747	747	747	748	755	756	757	757	756	749	739	728	716	714	722	734	738	743
27 D	744	747	749	750	754	752	752	750	756	720	689	555	588	742	760	734	716	721	713	705	708	712	731	736	720
28	748	777	801	835	794	781	754	748	718	731	688	720	708	706	732	744	743	728	702	695	696	737	746	738	740
29	768	803	780	746	743	732	728	726	723	718	716	727	691	730	750	746	739	726	718	713	707	710	718	730	733
30 D	733	739	740	740	738	736	735	736	736	733	713	746	752	747	740	687	693	740	720	716	715	716	724	733	730
31	737	740	741	739	739	742	743	739	735	725	741	747	744	744	747	746	740	730	720	717	708	710	718	737	734
Mean	745	749	750	749	747	747	744	742	736	727	726	725	729	744	747	745	741	730	718	715	715	722	733	740	736

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 176. Meanook (D.) East. 25° + . . . ′ January, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	64.0	64.5	65.1	65.4	65.9	65.9	65.8	65.7	65.6	65.5	65.5	65.5	65.7	65.9	67.1	68.7	70.8	71.5	70.5	67.1	64.0	62.9	62.6	63.1	66.0
2	63.1	63.8	64.7	65.7	65.9	65.0	64.5	64.8	65.0	63.9	66.0	66.1	65.9	66.0	67.0	68.7	71.5	72.7	69.0	65.7	60.2	58.9	59.8	56.5	65.0
3	57.6	60.1	60.2	65.5	65.5	66.5	66.5	64.5	64.7	66.9	67.8	66.0	63.7	65.1	67.6	68.2	69.9	70.7	69.2	64.9	61.8	60.2	60.1	60.2	64.7
4	60.3	64.5	63.8	63.9	67.8	68.8	66.5	66.4	65.6	65.3	67.8	67.3	65.3	66.0	67.5	70.3	71.7	73.0	70.7	68.2	65.2	63.9	63.0	63.8	66.5
5	64.3	65.1	66.1	66.7	66.1	66.3	69.7	66.1	65.7	66.8	66.7	66.7	66.6	66.6	67.2	68.9	71.3	71.6	68.9	66.8	63.7	63.0	62.3	62.1	66.5
6	62.9	63.9	64.4	64.3	64.2	66.0	65.8	65.2	65.7	65.9	65.8	62.4	63.2	63.5	65.7	67.8	69.7	70.5	68.9	66.6	63.7	61.8	61.1	60.1	65.0
7 D	60.9	61.0	61.9	62.6	63.4	62.9	62.5	63.0	61.2	61.7	62.5	61.9	61.4	60.8	63.5	59.9	61.6	62.0	61.8	64.7	52.5	59.7	55.8	52.1	60.9
8	58.4	59.9	62.9	62.9	63.7	62.7	61.6	61.7	61.9	61.6	61.2	61.0	61.0	61.1	61.7	62.7	63.7	65.6	64.7	63.9	61.7	60.0	59.0	58.9	61.8
9 D	58.7	59.8	60.9	60.8	60.6	59.7	59.8	60.9	58.0	74.0	70.7	74.7	62.9	61.8	59.8	61.3	63.7	63.3	62.7	61.7	57.8	54.8	55.0	54.8	61.6
10 D	53.8	59.4	59.0	60.3	59.8	71.3	74.8	69.9	66.2	60.3	70.8	84.9	62.1	71.0	67.7	61.2	64.1	61.6	60.0	60.3	55.7	50.1	51.5	52.9	62.9
11	52.0	56.6	56.4	60.8	60.5	63.8	71.8	70.6	60.5	58.7	59.0	58.6	58.4	58.8	59.9	63.8	64.3	65.7	66.4	61.0	59.3	56.4	56.5	56.6	60.7
12	54.4	54.9	56.4	58.6	60.8	60.4	60.5	61.1	58.8	62.1	62.6	58.4	57.3	58.6	61.9	60.2	55.1	62.9	62.6	59.3	56.4	55.1	56.4	56.2	58.8
13	56.2	56.1	61.6	64.3	61.5	62.0	75.5	60.9	58.2	57.9	57.1	59.9	52.3	58.3	59.0	60.0	60.9	62.1	60.9	60.9	58.4	58.0	58.4	58.4	60.0
14	58.2	58.7	58.8	58.3	58.3	58.8	63.7	65.6	60.8	61.6	59.1	56.5	55.4	56.3	58.8	59.9	61.6	61.9	61.1	60.1	58.7	57.0	56.1	56.0	59.2
15 Q	56.0	56.8	57.9	58.6	58.7	58.6	58.0	57.1	57.9	58.7	58.1	57.6	57.3	57.7	58.8	60.5	62.8	62.5	62.5	60.2	56.8	54.9	54.9	56.7	58.3
16 Q	57.0	57.4	58.0	58.5	57.8	57.4	57.9	58.3	58.5	60.1	58.3	57.8	57.6	57.8	58.9	60.5	63.7	64.4	63.4	59.8	56.5	55.5	55.8	56.6	58.6
17	57.5	57.9	58.4	58.5	58.1	58.1	58.2	57.6	57.8	57.8	59.4	59.0	58.6	59.1	59.6	61.4	64.2	63.4	62.2	59.5	55.6	53.6	54.4	55.6	58.6
18	56.5	57.6	58.5	59.3	59.6	59.3	58.5	58.3	57.5	59.2	59.3	59.3	58.4	58.7	61.3	64.1	64.9	63.5	61.9	60.1	55.6	54.9	55.5	56.0	59.1
19	57.0	58.5	59.0	59.9	60.1	59.8	59.8	59.2	59.0	60.3	61.7	60.7	60.0	60.2	60.3	64.6	66.2	64.0	61.0	59.3	57.3	55.0	55.0	56.2	59.8
20	57.8	57.9	58.1	58.9	59.1	59.1	59.1	59.1	59.4	59.7	60.2	60.4	60.4	60.0	60.6	59.8	66.5	61.9	51.3	49.3	47.3	51.7	54.9	53.8	57.8
21	56.1	59.0	57.5	57.8	58.8	59.3	58.7	58.8	59.8	60.2	62.2	67.3	64.6	67.2	63.9	67.2	70.9	63.6	57.9	55.9	52.8	53.0	55.0	54.0	60.1
22	57.4	58.6	59.3	60.5	61.1	60.9	61.0	60.9	60.3	61.5	62.6	63.4	64.1	63.1	63.3	64.5	66.3	68.1	66.4	63.5	59.5	57.2	56.9	57.7	61.6
23 Q	57.7	58.9	60.1	60.5	60.6	60.5	60.3	60.9	61.3	61.4	62.1	61.7	61.7	62.3	63.3	64.6	66.1	67.8	66.7	64.3	62.0	60.3	60.2	60.0	61.9
24	60.1	60.3	60.4	60.5	61.0	60.8	60.7	61.2	61.8	62.5	63.1	63.7	64.3	65.0	65.6	66.2	66.9	66.4	65.0	62.9	60.9	58.2	57.0	57.2	62.2
25 Q	57.3	58.0	60.1	61.1	61.2	61.0	60.4	60.0	60.0	60.5	60.9	61.5	62.2	62.5	63.5	64.2	66.1	66.6	65.9	64.1	61.8	60.1	59.2	59.0	61.6
26	59.2	59.5	59.5	59.7	60.0	60.0	59.9	59.7	59.8	60.3	60.6	60.5	61.3	61.2	62.1	64.0	66.2	67.3	66.0	64.2	61.1	58.4	58.2	58.3	61.1
27 D	58.8	59.8	59.6	60.2	59.8	59.5	59.3	59.3	59.3	66.2	71.0	79.6	74.4	68.2	68.9	70.6	67.0	63.4	61.6	61.1	61.2	60.4	58.7	59.6	63.6
28	58.0	59.0	57.6	56.7	52.8	57.9	57.6	57.8	57.5	61.5	62.1	66.4	66.1	69.9	72.1	69.0	64.3	65.3	64.2	58.7	49.4	54.1	57.2	55.4	60.4
29	55.1	56.6	59.1	64.8	64.3	77.6	58.9	61.5	62.0	61.7	62.3	64.3	59.8	61.7	64.8	64.5	64.9	65.3	64.6	63.5	61.6	59.3	59.5	59.7	62.4
30 D	60.1	59.9	59.9	60.0	60.1	61.0	58.0	59.0	59.9	59.6	59.1	64.9	62.6	64.4	64.3	54.9	46.4	55.3	57.9	59.7	58.8	56.7	58.2	59.5	59.2
31	60.0	59.9	60.1	60.8	60.8	60.5	58.8	59.1	61.0	59.2	60.8	61.2	61.2	62.7	64.0	65.8	66.0	65.6	64.4	62.5	61.0	59.6	59.0	58.5	61.4
Mean	58.3	59.5	60.2	61.2	61.2	62.3	62.4	61.7	61.0	62.0	62.8	63.8	61.8	62.6	63.5	64.1	65.1	65.5	63.9	61.9	58.6	57.6	57.6	57.6	61.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 177. Meanook. (Z.) 59,000 γ + January, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	181	181	185	184	182	182	181	179	178	177	177	177	175	175	172	175	177	178	178	178	178	178	175	172	178
2	175	173	174	174	172	170	169	169	169	157	171	170	167	167	166	167	171	172	172	172	171	175	174	178	171
3	194	199	208	240	242	217	186	175	173	166	147	100	101	145	157	167	168	170	171	171	171	171	172	169	174
4	173	175	189	213	230	150	175	144	94	71	135	157	170	174	171	166	165	165	172	173	162	163	163	164	163
5	163	163	168	169	174	180	144	163	166	165	164	160	158	158	158	159	159	157	159	162	165	165	163	161	163
6	163	164	168	168	173	182	184	176	169	160	157	147	148	156	160	159	158	156	156	156	153	154	155	155	162
7 D	158	165	166	166	163	162	164	167	164	165	159	149	148	140	139	136	126	125	127	169	203	224	205	221	163
8	196	197	192	182	178	169	168	167	163	158	159	165	168	169	169	169	170	170	170	171	170	171	172	171	172
9 D	175	173	173	172	172	175	176	174	183	151	49	95	123	160	180	175	168	165	173	174	170	174	175	178	162
10 D	187	190	188	187	193	214	138	69	23	78	28	92	106	93	128	150	167	158	158	160	161	174	196	189	143
11	202	184	206	201	209	214	96	132	172	172	183	171	162	154	152	147	155	174	182	178	181	183	204	217	176
12	205	204	205	203	199	191	181	170	172	164	155	151	159	165	164	143	131	151	174	175	182	185	184	181	175
13	186	190	202	208	195	188	148	157	176	169	133	124	90	145	173	179	182	183	185	182	181	185	186	185	172
14	193	191	192	189	188	187	186	179	170	145	167	158	155	168	176	176	176	176	178	179	181	185	184	181	178
15 Q	189	189	193	189	184	183	182	181	173	172	172	171	172	176	176	176	175	175	177	179	179	181	183	184	179
16 Q	192	192	193	192	191	188	188	182	181	182	182	182	182	182	180	181	183	187	187	187	188	189	187	187	186
17	194	192	193	193	193	192	192	191	191	180	185	187	185	187	190	191	191	193	195	194	194	198	202	200	192
18	208	209	212	210	209	206	209	208	204	208	206	201	201	202	202	201	203	202	203	201	203	210	212	210	206
19	215	218	220	218	216	214	214	214	215	215	209	203	202	203	202	189	200	200	203	204	203	207	210	206	208
20	213	214	217	216	214	212	211	210	209	208	206	205	195	175	165	150	150	165	184	193	178	196	209	212	196
21	226	225	231	243	251	239	229	222	221	222	182	175	179	194	227	220	211	194	200	208	226	242	250	243	219
22	245	255	247	237	232	234	230	230	228	228	224	217	213	225	231	234	234	234	235	237	237	238	239	232	233
23 Q	237	236	237	237	237	237	235	234	232	233	232	232	232	231	230	231	232	235	236	239	241	237	237	235	235
24	236	234	235	234	233	232	232	231	230	230	229	229	228	228	228	228	229	233	236	240	241	242	241	237	233
25 Q	240	240	240	236	233	232	231	230	229	229	229	225	223	225	228	231	233	234	235	238	240	236	234	233	233
26	234	231	231	229	227	226	226	226	227	227	226	225	223	225	225	229	231	233	233	236	233	232	230	227	229
27 D	230	232	233	232	231	230	231	231	227	185	133	129	137	174	210	213	210	212	216	220	229	239	251	262	212
28	267	279	304	331	319	309	265	268	252	257	222	227	208	174	194	191	211	233	241	253	248	273	275	289	254
29	331	352	357	290	277	252	228	241	242	225	210	214	182	200	232	234	235	235	242	249	252	252	250	244	251
30 D	242	242	242	238	238	243	240	236	232	224	185	198	230	228	225	169	120	177	210	232	235	237	244	238	221
31	239	239	242	240	240	241	243	245	242	204	219	241	242	240	239	239	239	241	242	243	244	245	245	242	239
Mean	209	210	214	214	213	208	196	194	190	185	175	177	176	182	189	186	186	190	194	198	200	204	207	206	196

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 178 Meanook — January, 1937.

Day	Horizontal Force						Declination						Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 Q	14	33	756	18	58	709	47	16	51	72.3	22	19	61.8	10.5	2	10	186	14	12	168	18	165	0
2	12	25	761	20	19	714	47	16	58	73.8	23	34	50.9	22.9	24	0	196	9	32	144	52	368	1
3	15	34	760	17	59	708	52	16	37	72.4	2	51	56.8	15.6	4	28	259	11	57	49	210	1309	1
4	5	9	806	8	49	669	137	5	13	79.5	8	46	51.8	27.7	4	12	246	8	36	-4	250	1653	1
5	6	17	769	19	39	712	57	6	30	79.2	6	56	59.1	20.1	4	52	183	6	52	101	82	557	1
6	5	20	761	18	50	721	40	17	22	70.8	23	27	59.2	11.6	6	6	189	11	28	147	42	300	1
7 D	22	42	770	19	47	660	110	19	28	70.8	19	59	46.5	24.3	21	10	235	19	8	117	118	840	1
8	0	56	775	21	33	714	61	17	25	66.3	0	9	55.8	10.5	0	0	218	9	35	157	61	438	1
9 D	22	22	803	10	36	480	323	9	24	94.0	22	24	50.2	43.8	8	53	208	10	41	5	203	1612	1
10 D	13	53	845	11	14	244	601	11	39	97.0	9	8	47.0	50.0	5	46	235	8	17	-14	249	2237	2
11	5	49	835	6	52	661	174	5	56	96.5	0	24	50.1	46.4	5	12	228	6	2	35	193	1364	1
12	12	21	778	15	59	685	93	18	7	72.9	16	23	48.0	24.9	0	30	213	16	2	109	104	734	1
13	15	0	758	12	6	652	106	6	38	80.1	12	16	48.3	31.8	3	0	221	12	38	75	146	997	1
14	14	47	754	20	34	713	41	6	53	72.5	12	35	54.2	18.3	0	16	198	9	21	127	71	472	1
15 Q	15	18	758	19	48	708	50	16	40	64.5	21	47	54.1	10.4	2	40	196	8	55	165	31	248	0
16 Q	15	45	755	19	0	713	42	17	18	65.1	8	9	54.1	11.0	1	45	197	7	21	175	22	182	0
17	15	13	763	20	38	718	45	17	6	65.6	21	24	52.8	12.8	21	53	203	9	28	177	26	211	0
18	8	17	759	19	9	728	31	16	2	65.8	21	8	54.5	11.3	6	8	215	19	53	201	14	122	0
19	15	5	751	20	45	723	28	16	52	66.9	21	43	54.1	12.8	2	30	220	14	50	197	23	172	0
20	15	47	762	18	47	716	46	16	20	70.3	20	26	45.5	24.8	24	0	223	15	34	133	90	591	1
21	6	22	764	19	52	662	102	16	34	74.1	21	22	49.8	24.3	21	24	256	11	5	159	97	702	1
22	1	36	775	20	43	705	70	17	29	69.9	0	0	54.9	15.0	1	39	261	12	27	211	50	385	0
23 Q	12	52	750	20	37	711	39	17	3	68.6	0	0	57.4	11.2	20	30	241	14	25	229	12	121	0
24	15	6	752	20	10	706	46	17	18	67.7	22	28	56.2	11.5	19	56	244	13	50	228	16	153	0
25 Q	15	26	755	20	30	713	42	16	55	66.9	0	20	57.0	9.9	20	10	241	12	2	223	18	160	0
26	14	18	758	20	0	713	45	17	18	67.9	22	33	57.4	10.5	20	0	236	11	49	222	14	140	0
27 D	14	12	783	12	9	450	333	11	50	146.1	22	28	55.9	90.2	12	7	302	11	12	75	227	1767	2
28	8	24	874	10	21	656	218	13	39	75.8	3	30	41.6	34.2	3	36	374	13	30	157	217	1563	1
29	1	43	832	12	28	668	164	5	18	87.7	2	0	49.3	38.4	2	13	383	12	53	171	212	1458	1
30 D	15	10	797	15	59	594	203	11	35	66.8	16	36	40.3	26.5	22	55	246	16	0	66	180	1324	1
31	14	27	749	9	30	602	147	16	11	67.5	7	18	55.3	12.2	7	47	250	9	27	169	81	540	1
Mean			776			662	114			76.0			52.6	23.4			236			135	101	739	0.71
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 179. Meanook. (H.) 12,000 γ + February, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	742	740	728	737	742	738	728	729	689	684	737	735	737	737	732	742	739	728	715	707	709	716	723	731	727
2	735	742	742	743	744	743	748	746	742	735	735	743	745	748	740	744	745	733	723	722	712	713	724	757	738
3 D	760	797	1024	943	917	863	824	508	718	725	730	726	737	737	724	726	674	633	569	718	686	697	693	693	742
4	703	712	712	719	718	725	740	730	707	682	583	493	636	729	723	730	727	717	699	676	680	697	712	725	695
5 D	733	752	789	794	790	751	740	642	686	724	729	723	719	733	728	723	709	706	705	699	683	708	712	716	725
6	737	742	746	753	749	746	744	741	737	697	465	691	732	741	691	678	734	716	711	709	696	713	726	741	714
7	741	743	745	741	740	740	742	735	746	737	731	723	720	720	732	728	725	719	715	707	709	704	712	724	728
8 Q	729	732	737	738	739	743	744	740	733	741	743	742	740	742	742	740	736	728	726	723	728	729	735	738	736
9 D	726	729	744	748	748	745	749	744	743	743	735	728	695	686	548	597	689	672	668	678	668	735	768	741	709
10	734	738	740	731	734	763	767	742	736	723	712	679	663	598	638	760	749	745	729	721	732	738	723	716	721
11	745	736	750	742	744	740	737	752	750	737	741	735	720	729	720	730	739	732	730	729	728	731	739	733	736
12	740	737	749	747	746	745	746	741	738	738	743	745	747	747	741	693	706	713	687	698	697	759	748	709	732
13	724	734	742	741	744	746	744	755	734	731	705	704	600	712	742	716	731	719	708	705	718	737	721	729	722
14	747	759	766	752	756	756	747	741	741	738	736	741	741	740	739	733	710	667	677	703	711	719	726	768	734
15	739	736	755	752	752	749	756	752	743	747	722	737	713	709	720	711	724	723	715	696	713	720	734	734	731
16	733	731	748	752	748	748	744	744	748	730	676	626	599	646	712	737	743	742	726	718	724	732	725	732	719
17	742	743	745	738	748	749	752	742	707	735	725	739	725	672	666	733	736	732	728	725	707	720	721	721	727
18	746	747	736	751	752	751	750	748	740	739	738	729	691	738	744	745	740	730	720	712	718	709	739	742	736
19 D	749	755	760	767	763	763	760	747	697	507	451	448	563	749	749	705	496	450	709	736	729	736	741	762	679
20	745	754	757	753	751	756	778	771	754	748	748	753	754	754	757	754	739	734	726	725	718	730	726	726	746
21 D	728	738	751	762	758	760	754	753	748	746	744	754	753	754	743	716	737	736	715	688	706	717	725	727	738
22	737	744	740	743	743	742	738	726	721	694	646	640	618	709	702	729	739	727	723	726	731	736	737	737	718
23 Q	737	734	733	737	742	740	740	740	740	743	743	744	745	743	743	739	734	720	713	718	730	732	732	727	735
24 Q	730	733	736	739	744	739	751	750	721	660	763	756	754	753	753	750	740	728	720	718	725	735	742	739	737
25	737	740	738	731	739	747	749	748	752	747	747	754	765	760o	758	752	745	729	719	719	728	729	732	734	742
26 Q	734	736	743	744	746	745	745	732	729	725	724	723	707	744	747	746	737	724	714	713	718	722	726	729	731
27 Q	734	746	745	744	747	746	744	742	740	736	730	747	734	717	747	748	741	733	719	716	717	721	722	729	735
28	740	742	735	748	754	754	754	747	740	731	754	754	754	738	728	736	730	719	708	707	717	712	714	723	735
29																									
30																									
31																									
Mean	737	742	755	753	754	751	750	732	731	719	705	708	707	724	722	726	721	709	708	711	712	723	728	732	727

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 180. Meanook. (D.) 25° + . . . ′ February, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	58.5	58.2	59.7	59.0	59.3	59.5	60.7	63.0	58.2	60.9	60.5	62.0	60.8	62.2	62.4	62.6	65.9	65.7	63.6	59.6	56.5	55.9	57.2	58.3	60.4
2	58.8	58.9	59.3	59.4	59.4	58.9	60.4	59.3	59.8	62.0	63.1	64.2	64.3	62.3	59.6	64.2	65.3	64.2	62.6	61.3	61.1	60.2	59.3	56.2	61.0
3 D	49.8	57.0	62.5	58.4	53.7	40.2	45.2	60.3	66.5	64.3	63.2	60.8	63.1	63.6	64.9	65.1	80.9	79.5	80.0	54.1	48.1	56.3	58.7	60.2	60.7
4	60.4	60.9	61.4	60.7	60.2	59.6	60.7	57.6	57.4	63.9	65.2	70.2	73.3	72.3	72.6	69.9	66.7	65.0	63.8	55.0	51.4	51.4	53.9	56.6	62.1
5 D	56.8	56.7	51.0	58.1	57.6	64.4	67.5	52.9	59.3	59.8	59.7	59.7	60.3	60.4	64.1	68.3	68.7	67.2	63.1	61.1	58.7	52.6	53.1	56.6	59.9
6	56.7	57.3	58.7	57.2	63.0	63.5	57.8	56.7	57.3	59.3	51.1	70.4	68.8	67.2	64.0	69.0	67.9	65.2	62.4	59.8	55.7	54.8	53.4	56.6	60.6
7	59.8	56.1	56.9	58.5	60.0	66.8	56.1	58.1	56.0	57.5	59.8	60.2	59.7	60.4	61.9	62.8	62.6	61.7	60.4	59.8	59.1	57.6	58.1	58.0	59.5
8 Q	58.1	58.2	58.0	58.1	58.5	59.5	56.0	56.1	55.5	57.7	58.7	59.5	59.5	59.7	61.1	62.7	64.0	62.0	58.3	56.9	55.1	55.3	56.5	53.9	58.3
9 D	53.5	57.2	57.4	58.2	57.7	62.2	59.0	52.8	58.2	58.8	59.1	67.4	76.2	79.4	76.9	60.7	61.6	59.8	56.3	56.2	57.1	54.7	54.3	55.8	60.4
10	58.3	58.9	58.5	58.4	59.2	56.4	61.3	62.2	58.7	59.8	63.0	64.9	75.8	71.7	64.1	58.7	61.0	59.5	58.3	56.0	57.4	59.1	58.9	58.1	60.8
11	57.2	59.1	59.1	60.0	59.3	58.4	60.0	56.3	57.2	60.0	61.4	62.3	60.0	60.5	60.2	60.0	62.8	62.3	60.2	59.3	57.5	57.2	56.0	58.6	59.4
12	58.4	58.4	58.2	57.9	58.2	58.3	58.3	61.3	64.9	60.4	61.9	62.0	61.3	60.4	61.5	61.4	60.0	60.9	56.7	53.6	52.0	54.4	58.8	56.8	59.0
13	58.3	58.9	59.4	59.7	59.5	58.9	58.5	59.8	61.5	65.1	71.0	67.3	56.2	71.8	64.3	63.0	63.3	60.3	64.5	59.8	58.0	55.7	54.7	53.4	61.0
14	53.7	56.0	55.8	56.9	60.6	59.5	60.3	59.3	59.1	59.6	61.5	62.3	62.5	62.5	63.6	66.3	66.3	61.5	59.9	51.1	53.8	55.2	54.1	53.4	59.0
15	57.8	59.6	56.9	58.1	58.8	57.8	59.9	58.0	62.3	59.7	63.1	67.4	67.7	62.6	68.5	71.3	67.2	65.0	65.2	62.0	58.8	58.0	56.6	56.3	61.6
16	56.0	56.6	60.0	59.3	60.8	60.5	60.0	61.1	57.9	63.3	60.8	77.0	78.2	80.4	64.4	60.8	64.1	66.2	64.5	60.8	57.9	56.0	58.4	58.1	62.6
17	57.7	57.8	57.0	59.0	59.6	59.7	59.8	59.5	59.3	61.3	64.5	66.3	64.4	66.4	73.1	71.3	74.2	67.6	64.7	62.1	58.0	57.3	56.6	57.8	62.3
18	55.4	54.4	57.2	58.7	61.0	61.1	61.1	60.6	59.9	60.0	61.0	60.1	58.1	62.3	65.8	66.5	67.2	66.7	65.6	65.8	58.1	56.3	52.4	52.3	60.3
19 D	52.8	53.2	56.6	58.2	57.4	58.9	58.9	61.2	81.1	78.2	72.5	72.4	85.9	62.0	61.4	68.7	59.2	52.3	51.2	56.3	56.6	58.2	57.3	53.4	61.8
20	57.4	56.8	57.5	58.1	57.1	56.0	57.2	58.6	59.5	59.8	60.1	60.6	60.8	61.1	61.2	64.2	65.9	61.8	61.4	59.6	57.4	55.4	56.3	58.3	59.2
21 D	57.7	57.8	58.4	58.5	57.9	58.2	58.0	57.9	59.3	59.9	61.4	61.1	60.6	59.6	58.5	54.8	61.3	65.0	67.4	63.1	60.0	57.6	57.6	59.4	59.6
22	58.6	57.9	58.5	58.6	58.5	57.7	58.2	63.1	67.7	64.8	66.3	79.4	77.9	66.0	61.4	58.7	64.3	58.4	59.8	57.9	58.4	58.5	60.2	61.4	62.2
23 Q	60.0	59.4	61.5	59.3	59.2	59.2	58.9	59.8	60.4	60.7	60.5	60.3	60.3	61.4	62.6	63.9	65.1	65.0	62.5	59.7	58.8	58.9	58.9	59.9	60.7
24 Q	58.2	58.1	58.2	59.5	58.6	59.2	60.8	58.7	53.6	52.2	64.0	62.8	61.8	60.4	63.5	65.2	66.6	66.7	65.2	60.8	58.4	58.3	58.5	60.6	60.4
25	59.5	58.3	57.4	59.0	59.5	59.9	59.5	59.9	59.9	60.2	60.7	61.6	62.8	63.1	63.5	63.9	64.7	64.6	60.9	59.9	59.0	59.1	59.9	59.9	60.7
26 Q	59.0	58.8	58.2	58.5	59.0	57.1	57.1	60.8	63.5	65.8	62.7	62.8	62.1	64.8	65.8	65.9	66.0	65.0	61.0	58.6	57.4	57.5	59.1	60.1	61.1
27 Q	59.6	59.4	59.1	60.2	57.0	57.6	59.0	59.9	60.9	63.9	65.7	63.4	65.5	59.4	64.3	64.8	62.9	63.2	63.0	59.3	58.7	59.4	60.9	60.5	61.2
28	59.7	59.2	58.9	59.2	59.8	60.4	60.2	60.1	61.1	68.5	64.2	63.1	63.2	61.2	62.8	65.2	65.1	64.8	62.5	58.7	58.5	57.5	56.3	55.2	61.0
29																									
30																									
31																									
Mean	57.4	57.8	58.3	58.7	58.9	58.9	58.9	59.1	60.6	61.7	62.4	64.7	65.4	64.5	64.2	64.3	65.4	63.8	62.3	58.9	57.0	56.7	57.0	57.3	60.6

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 181. Meanook. (Z.) 59,000 γ + February, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	254	248	251	254	248	244	234	210	193	155	220	224	226	213	203	221	229	235	244	245	247	248	245	241	230
2	241	236	237	234	231	232	230	226	224	223	220	223	223	225	219	208	217	221	225	233	235	235	236	233	228
3 D	228	290	309	105	214	94	96	197	272	264	263	262	257	248	249	248	236	259	277	349	297	272	264	258	242
4	253	256	256	251	251	255	265	259	257	232	183	125	129	204	238	258	248	244	251	251	255	249	261	260	237
5 D	269	295	328	327	317	252	238	195	221	247	251	250	243	249	245	247	243	254	253	252	283	296	271	261	262
6	268	276	268	267	283	265	258	252	245	207	38	182	232	238	231	200	230	238	245	247	245	253	256	255	237
7	258	260	258	253	249	250	236	242	241	237	241	237	234	227	228	231	243	244	248	248	252	251	247	245	244
8 Q	239	237	238	238	238	234	226	225	218	233	238	233	234	234	235	235	235	235	235	237	238	241	243	246	235
9 D	249	249	243	240	246	253	206	231	242	243	230	197	168	163	140	82	63	124	189	228	269	304	309	261	214
10	248	248	247	244	246	265	244	211	231	223	206	159	143	152	158	239	230	234	242	243	242	248	250	252	225
11	269	259	267	264	255	245	126	245	236	243	244	245	229	232	226	243	242	236	238	243	250	250	251	248	241
12	251	242	245	244	241	241	243	243	219	209	237	239	235	234	226	213	219	233	244	261	266	321	315	265	245
13	257	255	259	254	255	255	250	232	212	221	209	218	109	161	226	234	255	244	243	246	257	263	260	262	235
14	267	291	285	275	280	289	258	249	242	235	236	243	243	241	242	245	240	229	249	255	279	309	299	314	262
15	285	259	264	268	270	264	269	273	273	247	205	232	228	224	222	209	218	222	235	247	250	250	258	258	247
16	256	275	280	265	251	252	255	249	220	237	174	58	177	94	149	177	200	236	247	256	260	262	256	253	222
17	256	257	260	260	253	249	251	244	195	212	187	231	219	120	115	187	212	228	243	251	252	257	257	253	227
18	265	267	282	272	261	263	258	251	246	246	244	224	185	220	233	253	254	251	244	247	251	253	265	265	250
19 D	277	317	284	273	277	283	280	265	182	152	244	140	127	240	251	227	136	40	179	238	247	260	262	271	227
20	258	257	265	264	267	276	302	294	274	268	264	262	263	263	265	262	263	263	264	266	276	276	274	268	269
21 D	271	268	270	269	268	267	272	275	271	264	250	253	261	263	263	241	237	250	252	258	270	269	271	268	262
22	267	263	266	266	266	264	258	234	161	160	179	75	62	118	182	225	249	255	261	266	269	278	277	272	224
23 Q	272	274	274	268	266	266	266	269	271	268	267	267	263	263	267	270	271	270	269	269	270	271	272	273	269
24 Q	272	271	276	272	278	285	279	277	220	114	273	268	264	261	265	274	272	270	273	275	280	280	278	273	264
25	274	271	272	274	277	273	270	272	262	263	264	262	265	265	265	268	270	273	275	280	286	279	277	274	271
26 Q	270	269	273	274	274	274	252	246	255	247	250	228	204	250	270	273	274	280	282	284	287	287	285	282	265
27 Q	281	283	285	307	314	305	296	290	278	271	255	269	253	214	220	260	264	269	276	284	291	294	291	286	276
28	283	287	285	302	201	301	301	301	284	261	288	286	286	283	269	276	271	268	267	275	284	291	295	300	285
29																									
30																									
31																									
Mean	262	266	269	260	263	257	247	248	237	228	227	218	213	218	225	232	233	236	248	258	264	270	269	264	246

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 182 Meanook — February, 1937.

Day	Horizontal Force						Declination						Vertical Force						Character $\frac{HR_H + ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	3	53	753	8	49	632	121	16	25	67.8	8	42	52.5	15.3	4	50	260	9	1	116	144	1007	1
2	23	41	774	23	5	617	157	23	6	70.5	23	46	50.5	20.0	23	10	246	15	3	202	44	459	1
3 D	3	0	1157	7	50	444	713	3	2	82.2	5	27	35.0	47.2	19	23	424	3	18	-37	461	3636	2
4	13	49	802	11	47	337	465	11	59	82.9	20	40	48.4	34.5	13	48	277	11	43	30	247	2054	2
5 D	5	56	832	7	37	564	268	6	6	78.7	7	33	44.2	34.5	2	56	396	7	31	124	272	1949	1
6	4	28	764	10	19	351	413	4	45	83.1	10	34	36.7	46.4	4	42	313	10	17	-13	326	2455	2
7	5	48	761	21	17	703	58	5	33	72.2	6	39	51.2	21.0	1	51	264	13	33	216	48	358	1
8 Q	5	49	755	19	26	718	37	16	43	64.8	23	46	51.6	13.2	23	20	252	7	27	209	43	302	1
9 D	22	14	808	14	20	469	339	14	14	88.4	7	18	47.5	40.9	22	18	341	16	0	41	300	2205	1
10	6	34	813	13	53	417	396	12	57	829	19	21	52.7	30.2	5	53	276	14	18	98	178	1557	1
11	8	18	811	6	43	676	135	6	27	86.9	6	43	38.8	48.1	7	15	288	6	27	8	280	1829	1
12	21	39	808	15	39	675	133	8	19	74.4	20	15	49.4	25.0	21	42	358	9	18	177	181	1241	1
13	14	17	777	12	28	551	226	10	39	75.6	12	12	43.1	32.5	21	5	271	12	38	91	180	1353	1
14	23	48	812	17	49	656	156	16	27	69.0	19	36	48.3	20.7	23	43	348	17	48	224	124	932	1
15	9	46	780	19	28	687	93	15	34	73.3	7	42	51.1	22.2	7	52	303	10	2	165	138	834	1
16	8	7	797	12	1	497	300	12	57	89.0	8	31	47.2	41.8	1	51	290	11	58	18	272	1991	1
17	15	47	769	14	10	620	149	16	41	80.9	22	28	55.1	25.8	22	15	263	14	7	76	187	1296	1
18	6	38	765	12	12	672	93	19	0	76.3	23	50	50.6	25.7	2	48	296	12	16	169	127	870	1
19 D	8	11	814	16	59	223	591	12	26	105.3	16	57	19.6	85.7	10	42	358	17	12	-86	444	3377	2
20	7	0	801	20	46	707	94	15	7	71.9	5	43	52.8	19.1	6	13	312	17	50	248	64	498	1
21 D	3	32	807	19	3	666	141	19	2	73.8	15	13	51.8	22.0	20	34	284	15	49	225	59	462	1
22	16	36	754	10	51	506	248	11	51	90.4	15	3	54.4	36.0	21	23	281	12	39	9	272	1925	1
23 Q	12	56	753	18	19	707	46	15	59	68.3	24	0	57.9	10.4	2	2	276	12	42	258	18	164	0
24 Q	10	18	776	9	0	533	243	9	43	71.3	9	4	25.2	46.1	5	38	290	9	2	-44	334	2284	1
25	11	47	779	19	55	717	62	15	49	66.7	2	12	56.3	10.4	20	25	287	8	33	255	32	269	0
26 Q	14	8	755	12	9	680	75	8	58	70.4	6	54	52.6	17.8	20	55	290	12	25	182	108	736	1
27 Q	14	18	758	13	18	704	54	9	42	68.0	4	58	55.0	13.0	3	40	321	13	58	184	137	880	1
28	10	2	760	18	39	703	57	9	30	72.1	23	38	52.6	19.5	23	40	308	9	0	237	71	492	1
29																							
30																							
31																							
Mean			796			587	209			77.0			47.6	29.4			303			121	182	1341	1.07
No. days			28			28	28			28			28	28			28			28	28	28	28

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 183. Meanook. (H.) 12,000 γ + March, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	737	739	745	747	745	746	745	745	746	713	543	504	662	750	749	748	720	715	720	709	697	711	744	768	714
2	737	736	784	827	751	762	775	687	682	696	557	572	688	684	645	511	675	696	698	729	737	733	728	730	700
3 Q	709	723	732	739	737	736	731	731	735	738	738	740	742	741	740	732	722	718	717	719	717	716	720	722	729
4	727	733	739	740	741	741	736	738	742	743	747	750	747	752	750	746	734	726	715	712	713	719	724	734	735
5 D	743	750	751	745	755	802	784	765	761	680	336	400	553	429	610	737	768	762	699	726	728	752	738	735	688
6	744	785	746	741	733	736	735	739	740	741	739	738	741	739	737	735	727	720	714	715	721	721	717	719	734
7 Q	723	729	734	736	737	738	740	741	743	744	745	745	745	743	739	736	726	719	717	719	720	722	724	724	733
8 Q	732	736	743	744	744	743	742	741	740	737	739	744	745	745	744	741	737	729	724	720	718	723	731	737	737
9	735	736	746	749	761	743	745	745	746	744	744	744	747	739	726	713	731	719	719	713	727	728	730	736	736
10	730	742	747	745	748	747	749	753	748	747	730	742	753	752	748	747	741	732	723	722	723	725	725	723	739
11 Q	730	736	743	745	751	754	755	755	756	757	759	759	758	759	757	753	739	722	713	713	717	718	720	729	742
12 Q	733	741	739	746	747	749	748	749	754	755	755	755	755	755	755	755	745	734	722	719	719	719	722	727	742
13	732	744	750	750	754	754	756	755	759	762	761	761	759	762	765	764	750	730	725	720	721	727	746	768	749
14	873	891	1011	883	757	776	780	741	700	698	564	630	735	762	746	730	707	687	700	709	707	722	727	729	748
15 D	742	741	743	740	760	822	761	652	465	481	198	147	207	184	465	740	774	746	733	728	734	737	741	736	616
16	743	738	732	735	737	742	743	742	741	741	741	743	745	742	742	739	722	702	697	700	726	720	725	734	732
17	736	740	736	734	743	741	755	753	743	744	717	743	743	741	738	740	739	715	697	698	714	712	718	730	732
18	735	737	742	743	745	746	757	747	743	719	704	724	752	751	745	740	722	709	709	709	710	709	705	732	731
19	736	736	741	743	743	743	744	744	741	746	752	752	752	749	752	749	733	723	718	718	719	723	728	736	738
20	737	736	746	745	750	750	750	745	741	744	748	752	752	748	750	748	741	730	722	721	723	724	720	725	740
21	732	742	746	751	756	755	753	755	750	748	760	760	757	758	757	750	737	731	718	717	719	714	722	731	742
22	740	734	746	752	753	796	762	753	752	722	527	541	257	420	622	731	705	711	701	709	708	729	741	739	681
23	732	735	755	772	789	773	745	733	666	702	708	707	728	651	697	729	726	717	714	718	726	727	725	727	725
24	733	745	741	743	745	756	747	737	736	738	729	727	748	732	741	729	730	720	709	709	718	728	718	746	734
25	733	732	734	738	741	743	742	744	752	730	612	764	759	756	744	745	750	739	719	709	715	717	723	722	732
26	738	744	746	747	750	751	752	752	739	743	761	759	758	732	732	752	748	727	722	713	716	748	745	793	744
27 D	803	762	733	823	760	743	749	747	670	424	445	308	222	445	438	544	736	742	712	696	720	767	781	782	648
28	789	833	748	800	826	742	724	597	538	517	685	763	750	730	732	741	741	725	718	711	714	717	739	737	722
29	731	718	742	739	743	737	738	738	737	738	746	745	748	744	746	744	729	711	703	701	704	726	729	730	732
30	732	732	740	745	750	743	745	738	747	752	754	756	756	759	764	764	739	732	710	700	703	718	719	722	738
31 D	728	753	750	765	938	900	534	367	427	510	695	628	630	658	669	658	649	684	743	728	732	763	702	803	684
Mean	742	748	753	756	758	758	743	724	711	702	669	674	684	691	711	726	730	722	714	714	718	726	728	739	722

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 184. Meanook. (D.) East 25° + . . . ′ March, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	57.9	57.6	60.6	61.4	60.6	59.9	59.5	59.4	59.0	60.7	71.9	75.0	67.2	71.0	72.9	72.7	72.1	61.7	60.6	64.5	68.3	59.5	52.8	57.3	63.5
2	58.4	59.5	57.7	60.5	61.3	57.7	50.1	49.9	64.3	60.8	66.3	62.3	67.4	69.9	71.0	63.4	65.3	56.8	58.7	58.7	59.4	59.4	60.9	60.3	60.8
3 Q	61.5	59.9	59.7	60.1	60.7	60.3	60.5	60.7	60.9	61.7	61.9	62.5	63.0	63.5	65.6	68.1	67.6	65.4	62.4	60.9	60.8	60.7	60.5	59.7	62.0
4	59.1	58.9	59.0	59.5	59.6	60.0	61.8	65.2	62.0	61.6	61.7	62.4	61.5	61.8	66.6	67.9	69.5	68.0	64.9	61.8	59.9	59.2	59.1	57.7	62.0
5 D	56.3	56.4	57.1	58.8	57.1	58.1	62.7	57.9	59.6	61.9	44.2	127.4	86.5	76.8	85.8	74.2	70.7	66.5	57.1	61.4	60.2	59.2	60.0	58.0	65.6
6	58.1	61.7	56.4	58.9	60.7	60.3	61.2	61.2	62.3	63.0	63.6	63.7	63.7	64.5	66.6	67.9	68.7	67.4	65.5	64.0	63.0	62.0	62.0	61.3	62.8
7 Q	60.6	60.4	60.4	60.8	61.1	61.1	61.2	61.1	61.5	61.9	62.2	62.8	63.1	63.8	66.1	67.7	67.4	65.9	64.8	64.0	62.3	61.4	60.0	59.6	62.6
8 Q	59.4	59.5	60.4	60.6	60.8	60.8	61.2	61.1	61.4	61.8	62.7	63.0	63.4	63.8	64.8	66.1	67.2	67.0	65.1	62.3	61.5	60.6	59.1	57.6	62.1
9	55.8	56.9	54.8	54.1	53.3	59.4	60.5	61.2	61.3	62.0	63.4	63.3	62.8	63.4	66.0	64.5	67.0	65.3	62.0	57.5	56.3	54.8	55.0	55.5	59.8
10	58.6	58.5	59.7	59.7	59.7	59.7	60.2	63.2	60.9	63.6	61.8	61.9	63.4	64.0	66.3	68.8	66.5	65.3	64.4	61.4	60.8	60.3	59.7	59.6	62.2
11 Q	59.8	59.4	59.0	58.7	58.8	59.5	59.8	60.0	60.8	61.4	61.9	62.4	63.7	64.1	66.0	67.7	66.7	65.7	64.6	61.4	58.8	57.9	58.6	59.6	61.5
12 Q	59.6	58.9	58.9	59.5	59.6	59.9	60.0	60.0	60.6	60.9	61.4	61.8	62.7	63.3	64.6	66.2	67.5	66.5	64.3	61.3	60.1	59.7	60.3	59.6	61.6
13	58.2	57.8	58.0	58.7	59.0	59.0	59.6	60.0	60.0	60.9	61.7	62.0	62.4	62.6	63.9	65.1	65.7	61.9	59.0	57.4	58.0	57.4	57.2	48.5	59.8
14	43.0	39.3	52.6	55.5	66.5	69.1	60.1	61.1	61.7	65.6	69.6	61.8	62.9	63.1	65.6	68.4	66.6	61.0	60.5	58.3	56.2	56.1	55.1	53.0	59.7
15 D	50.7	54.8	54.3	56.6	58.4	63.8	57.5	67.5	66.1	72.6	173.0	192.0	92.2	77.4	65.9	67.8	71.6	69.4	64.9	60.9	59.2	58.0	58.7	58.8	73.8
16	59.1	59.3	59.4	59.7	60.1	60.1	60.2	60.7	61.2	61.3	62.0	62.4	63.1	64.2	66.2	68.1	69.8	68.9	59.5	54.6	54.7	56.4	58.0	58.4	61.1
17	58.8	57.8	57.5	58.4	56.5	59.2	58.3	65.5	70.9	63.5	65.1	66.9	64.2	64.5	66.8	68.2	67.1	68.0	63.2	58.4	56.0	55.2	56.0	56.5	61.8
18	57.5	58.2	58.3	59.1	59.3	57.4	59.7	61.1	61.6	62.0	59.0	59.3	60.6	62.1	64.1	67.1	67.6	64.5	62.4	61.6	58.5	56.1	54.2	53.2	60.2
19	54.1	56.7	57.8	58.6	59.2	59.5	59.7	61.5	60.9	64.4	62.7	60.4	60.6	61.7	64.5	67.0	68.2	67.0	64.0	61.7	57.5	55.8	54.0	53.8	60.5
20	54.0	55.1	56.6	56.0	59.7	59.2	59.2	59.9	52.8	64.5	64.3	63.0	61.7	62.8	64.8	67.3	67.0	64.8	62.8	59.8	56.8	55.9	55.9	55.6	60.0
21	55.8	56.5	57.1	56.8	57.0	57.9	58.2	59.2	60.0	60.7	61.3	61.6	62.0	63.6	65.5	68.9	70.6	66.6	63.6	60.0	56.9	56.2	55.1	54.3	60.2
22	55.0	57.9	57.6	58.1	56.9	56.5	58.5	58.7	62.9	62.7	78.1	82.0	96.1	84.9	72.7	66.3	67.6	64.6	61.0	57.8	58.6	57.9	57.0	56.8	64.4
23	56.9	59.3	58.0	59.7	63.6	62.2	57.6	59.8	62.9	60.5	58.7	60.1	59.9	58.6	61.3	66.5	67.5	65.2	61.6	58.6	55.5	56.0	56.6	56.9	60.1
24	56.9	57.5	57.1	58.4	59.7	60.6	59.7	61.8	62.9	63.9	60.1	59.5	60.7	61.6	64.5	67.8	67.8	67.3	66.1	61.9	59.9	57.3	57.9	54.2	61.0
25	54.4	55.5	57.9	58.5	59.3	59.6	59.8	61.6	71.3	56.4	64.4	61.6	60.8	59.6	64.1	69.3	70.8	68.4	64.5	61.0	58.0	56.6	56.1	56.5	61.1
26	55.8	56.8	57.6	57.7	58.3	57.7	58.0	56.8	55.7	60.2	64.3	63.4	60.5	57.8	61.6	68.8	67.1	66.6	61.9	58.4	56.5	54.0	53.5	50.7	59.2
27 D	56.6	55.1	57.5	57.4	63.1	58.2	61.3	66.8	67.0	68.9	74.6	84.3	82.7	44.2	69.8	69.5	71.0	67.7	61.6	55.5	53.6	53.8	53.4	56.3	62.9
28	56.5	59.7	55.6	53.3	62.7	58.9	56.9	60.9	70.1	69.2	67.8	60.6	60.9	63.7	68.0	71.1	73.5	71.9	67.6	63.1	59.5	58.4	58.3	56.5	62.7
29	55.0	56.5	58.8	66.1	58.4	58.5	58.5	59.1	58.5	59.0	59.3	59.1	59.7	61.7	65.2	67.6	68.8	68.9	64.6	59.8	54.9	53.4	51.0	49.7	59.7
30	51.4	52.6	56.1	57.5	65.8	58.7	57.4	57.2	60.3	58.7	59.6	59.9	60.3	62.3	65.8	68.6	73.0	68.1	70.8	63.5	51.5	52.2	52.0	52.6	59.8
31 D	54.6	53.7	55.0	52.7	38.7	23.2	63.6	58.8	85.6	66.4	67.6	68.4	64.1	64.5	68.1	72.2	73.9	73.4	70.8	63.5	59.8	54.7	54.5	55.9	61.0
Mean	56.4	57.0	57.6	58.4	59.2	58.6	59.4	60.6	62.8	62.7	67.0	70.2	65.9	64.2	66.8	68.1	68.8	66.3	63.4	60.5	58.5	57.3	56.8	56.2	61.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 185. Meanook. (Z.) 59,000 γ + March, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	310	316	310	290	277	273	273	276	273	237	227	170	155	174	258	267	265	271	282	282	285	296	327	326	268
2	306	314	343	344	317	307	308	166	229	283	259	168	212	218	159	191	211	246	271	314	306	301	301	301	266
3 Q	295	296	296	295	288	286	284	281	271	276	280	282	282	283	286	285	282	283	286	288	289	291	290	287	286
4	282	281	283	283	284	281	275	270	272	265	266	266	267	267	270	277	280	280	281	283	284	283	281	281	277
5 D	282	283	287	283	295	347	312	300	287	240	129	65	211	229	2	175	231	266	265	285	294	298	307	303	249
6	308	290	286	286	285	280	278	280	282	284	282	280	281	287	288	286	287	284	284	284	284	284	286	288	285
7 Q	283	285	274	273	272	272	271	272	272	272	271	272	271	272	274	275	270	272	273	275	276	279	274	270	274
8 Q	269	270	271	270	270	269	269	269	269	268	267	268	269	270	272	274	269	269	272	276	277	276	274	276	271
9	277	277	285	296	319	288	277	273	272	270	267	269	264	267	265	258	263	261	264	269	279	281	278	279	275
10	271	274	275	273	273	278	281	272	267	261	244	248	249	260	266	270	270	270	271	275	279	282	280	274	269
11 Q	273	270	271	270	270	269	270	269	268	268	267	262	264	266	267	268	268	268	268	270	277	280	280	274	270
12 Q	270	270	281	278	278	278	279	280	282	279	279	279	278	278	277	279	280	278	278	278	279	279	278	276	278
13	275	271	267	266	266	267	267	267	266	265	266	265	264	266	267	270	271	269	267	265	270	282	292	351	272
14	441	441	407	401	399	373	326	306	272	260	186	186	266	262	283	274	280	280	292	295	295	293	296	300	309
15 D	307	316	311	298	304	296	218	206	216	267	293	267	353	318	288	281	293	291	293	296	297	295	289	284	286
16	283	283	282	281	280	281	281	280	279	278	278	277	277	279	280	281	272	263	263	264	275	291	289	291	279
17	286	285	293	289	288	282	293	296	239	273	231	231	260	263	270	271	271	269	270	274	285	294	295	288	275
18	278	272	280	283	284	296	315	300	285	260	221	241	274	277	278	274	267	270	275	283	290	293	291	294	278
19	291	284	270	270	268	268	268	258	225	214	235	238	253	259	267	267	268	267	269	271	277	285	285	285	264
20	279	283	291	294	308	306	297	276	256	256	261	259	263	265	265	266	264	267	270	270	273	273	272	271	274
21	272	275	275	275	277	277	281	276	265	249	262	263	263	265	265	261	259	256	258	258	260	265	266	269	266
22	276	270	267	265	267	295	310	274	244	210	165	284	-43	131	247	304	293	283	288	290	295	300	292	291	254
23	300	303	307	314	320	238	240	264	225	221	235	228	247	205	261	264	262	266	271	278	277	269	269	269	264
24	269	275	276	272	272	274	262	249	238	231	229	230	255	243	255	264	267	272	274	281	279	287	290	294	264
25	283	281	273	267	265	262	266	270	204	89	240	267	262	258	258	266	266	264	265	269	273	276	276	270	257
26	268	272	277	277	276	276	276	272	229	233	245	261	264	243	240	261	264	269	271	274	279	285	283	302	266
27 D	357	330	295	340	336	294	276	242	231	199	370	299	221	79	78	126	261	292	305	328	354	359	362	334	278
28	341	350	297	336	383	305	244	271	168	58	204	280	287	276	274	283	291	286	280	279	284	294	315	314	279
29	303	278	291	305	289	278	271	260	268	265	270	269	268	272	273	274	277	280	275	270	270	279	288	292	278
30	299	287	285	283	284	262	279	263	258	267	267	266	266	265	265	264	255	258	259	275	266	267	265	267	270
31 D	268	273	282	288	275	95	114	307	322	280	282	266	216	227	260	258	259	290	344	327	340	351	334	327	274
Mean	294	292	290	292	292	279	273	269	256	244	251	248	249	249	250	262	268	272	277	281	285	289	290	291	273

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 186 Meanook — March, 1937.

Day	Horizontal Force						Declination						Vertical Force						Character $\frac{HR_H+ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 D	23	21	881	11	8	444	437	11	38	98.0	22	48	44.8	53.2	23	4	383	11	28	69	314	2297	1
2	7	0	871	10	58	443	428	15	2	82.2	7	37	36.6	45.6	3	45	365	7	30	63	302	2332	1
3 Q	13	27	745	0	22	699	46	16	5	68.4	1	28	58.8	9.6	2	0	301	8	41	270	31	225	0
4	13	44	761	19	29	711	50	14	34	72.3	23	16	55.7	16.6	3	50	285	9	35	262	23	305	0
5 D	5	56	855	10	51	203	652	11	39	157.9	10	24	11.0	146.9	12	54	445	14	0	-241	686	4889	2
6	1	39	838	19	0	712	126	16	3	69.2	2	4	53.3	15.9	0	50	324	11	53	276	48	444	1
7 Q	7	51	750	18	43	717	33	16	22	69.6	24	0	59.1	10.5	1	30	285	23	47	268	17	143	0
8 Q	8	0	750	20	35	716	34	16	23	67.8	23	9	56.7	11.1	23	15	282	11	0	267	15	127	0
9	4	10	794	15	21	702	92	14	58	68.6	4	14	47.8	20.8	4	16	361	15	21	255	106	745	1
10	7	17	768	8	51	713	55	15	15	69.2	0	0	53.5	15.7	21	55	287	10	30	236	51	371	0
11 Q	4	33	759	18	48	711	48	15	40	69.1	21	43	56.7	12.4	22	3	284	11	37	259	25	209	0
12 Q	2	32	755	19	45	719	36	16	46	68.4	2	33	58.7	9.7	21	0	287	3	50	273	14	129	0
13	23	40	832	19	55	672	160	16	22	67.1	23	42	42.7	24.4	24	0	426	12	30	264	162	1163	1
14	2	47	1077	10	49	430	647	5	28	80.1	1	0	34.0	46.1	1	5	468	10	54	135	333	2793	2
15 D	5	34	919	11	27	-247	1166	11	14	288.0	14	6	39.6	248.4	11	33	770	12	43	-108	878	6679	2
16	1	41	763	18	20	697	66	17	7	72.8	19	46	52.8	20.0	21	22	296	17	12	261	35	290	1
17	8	5	777	18	43	689	88	7	58	82.3	6	52	54.4	27.9	7	3	319	10	41	197	122	834	1
18	6	42	776	9	55	688	88	16	48	69.1	22	58	52.0	17.1	6	25	331	10	24	202	129	876	1
19	14	30	756	18	40	713	43	17	0	69.2	24	0	52.9	16.3	0	30	291	8	56	205	86	562	1
20	4	12	759	22	55	709	50	16	23	69.3	4	28	53.0	16.3	4	52	317	8	52	244	73	497	0
21	23	58	782	21	30	710	72	16	55	73.2	24	0	48.4	24.8	24	0	289	9	22	241	48	375	0
22	5	39	835	12	58	202	633	12	44	129.6	0	0	48.4	81.2	11	43	403	12	16	-162	565	4148	2
23	4	38	852	8	22	672	180	5	43	76.0	5	49	50.2	25.8	4	39	368	5	54	144	224	1555	1
24	23	26	764	19	16	700	64	18	22	69.7	23	31	51.7	18.0	23	27	301	9	18	209	92	614	1
25	7	53	782	9	9	531	251	8	1	76.8	9	8	43.1	33.7	0	5	290	9	11	13	277	1960	1
26	23	16	822	20	56	693	129	15	39	70.0	23	17	44.8	25.2	24	0	331	8	36	215	116	851	1
27 D	3	43	873	12	30	119	754	11	45	137.3	13	54	20.6	116.7	11	43	608	14	12	-31	639	4739	2
28	2	53	988	8	52	271	717	9	28	85.0	6	47	25.7	59.3	7	1	492	7	31	-15	507	3912	2
29	3	58	750	20	42	700	50	17	20	70.7	23	22	49.1	21.6	3	32	323	6	57	229	94	620	1
30	14	12	769	19	43	685	84	16	37	79.2	21	0	50.9	28.3	6	21	321	6	48	243	78	569	1
31 D	4	50	1032	7	0	-455	1487	8	33	171.6	5	31	9.4	162.2	8	44	696	7	12	-207	903	7234	2
Mean			820			539	281			90.3			45.7	44.6			372			146	226	1696	0.94
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 187. Meanook. (H.) 12,000 γ + April, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	750	732	741	729	721	726	734	733	719	703	738	727	734	732	730	733	727	716	707	706	715	732	722	734	727
2	748	755	758	760	760	686	734	726	544	741	489	538	761	753	748	735	722	687	657	702	720	734	773	804	710
3	784	801	824	864	754	768	735	559	421	309	455	444	510	684	701	728	735	728	720	712	718	725	735	744	673
4	748	754	753	744	734	737	752	747	686	672	741	743	724	676	686	724	726	712	706	712	719	696	709	721	722
5	727	732	737	741	749	746	744	745	741	743	747	746	738	733	725	727	724	712	714	715	711	714	718	723	731
6	733	741	755	755	750	751	752	752	754	753	750	742	736	744	761	761	748	733	721	715	716	718	726	733	742
7	745	750	756	756	758	755	755	756	757	760	767	770	767	765	762	754	743	730	725	725	726	726	739	739	749
8 Q	752	759	758	758	758	759	757	757	757	758	760	757	764	763	764	758	750	735	722	722	726	727	730	740	750
9 Q	753	761	758	758	756	756	756	757	762	763	766	766	767	768	771	764	751	733	721	719	720	722	734	742	751
10 Q	759	765	766	766	766	767	767	768	770	772	772	773	773	775	773	766	748	731	724	725	730	748	746	755	758
11	762	767	799	762	748	753	751	745	736	744	764	764	764	768	768	757	750	719	708	707	707	718	731	741	747
12	750	758	754	759	752	752	753	755	759	778	789	792	771	733	609	622	669	666	683	692	736	808	721	766	734
13	790	732	728	740	737	739	741	731	718	738	744	728	723	752	752	737	727	721	717	712	710	712	715	721	732
14 Q	728	736	745	747	748	749	746	743	742	738	741	739	742	739	743	743	733	728	718	706	701	704	712	720	733
15	734	744	758	764	756	759	762	764	756	757	757	756	751	753	760	761	757	732	708	707	712	711	717	723	744
16 Q	734	745	753	756	756	758	757	756	757	755	742	664	719	745	755	757	747	729	723	724	719	719	722	738	739
17	737	753	757	765	766	768	777	775	765	775	772	770	768	767	765	760	751	746	739	738	731	724	729	732	755
18	760	786	784	764	759	759	758	758	760	761	765	721	703	737	742	744	727	712	705	709	716	719	740	734	743
19	750	753	755	757	762	759	761	760	757	767	734	731	758	755	761	745	740	729	718	721	729	717	724	749	746
20	745	752	769	757	760	756	759	756	744	707	740	712	732	754	756	755	741	725	732	732	735	731	732	749	743
21	760	791	802	800	798	749	743	698	687	719	750	720	694	751	748	745	735	719	723	731	728	723	724	737	741
22	745	751	752	750	750	753	755	752	751	761	760	759	754	751	753	740	736	725	721	713	722	737	740	742	745
23	742	747	751	750	754	754	754	755	758	761	769	766	770	765	757	740	738	727	716	718	719	732	747	731	747
24 D	748	764	766	771	765	760	763	757	768	756	721	744	758	775	796	779	766	749	743	736	725	763	1139	1229	793
25 D	1290	1085	688	693	690	703	707	711	679	696	697	701	721	722	731	720	679	748	762	769	705	716	753	808	757
26 D	749	743	841	768	808	843	666	674	716	717	722	734	732	738	741	739	729	712	701	731	813	906	1292	1163	791
27 D	1232	1116	887	1000	972	820	688	754	675	680	690	697	705	702	706	699	688	682	680	665	830	1024	1159	1213	832
28 D	1174	939	1143	872	663	275	288	242	573	347	306	140	377	395	324	628	717	742	783	761	739	759	828	811	618
29	747	729	726	715	719	736	744	639	607	514	684	700	650	652	658	700	688	675	717	773	754	783	785	822	705
30	845	821	819	788	783	784	764	777	729	623	483	533	607	607	565	599	631	631	679	741	770	800	874	945	716
31																									
Mean	801	785	779	770	758	739	731	720	712	702	704	696	716	725	720	731	727	718	716	721	730	748	787	800	739

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 188. Meanook. (D.) East. 25° + . . . ′ April, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	56.8	57.4	62.3	59.3	59.7	60.0	60.9	59.2	58.6	64.8	63.7	61.1	62.0	64.0	67.1	69.4	71.5	70.5	65.0	61.9	58.2	56.8	53.4	50.0	61.4
2	49.4	52.5	51.4	53.4	55.4	51.9	61.3	62.0	48.1	64.8	60.3	71.3	65.0	62.3	66.2	68.6	70.1	69.6	67.2	57.3	49.4	52.4	51.4	49.8	58.8
3	48.6	51.3	55.0	50.6	73.1	55.1	59.0	63.2	61.1	91.9	81.0	66.5	68.1	68.9	66.3	63.3	62.0	65.7	59.4	60.9	59.1	57.4	53.2	53.1	62.2
4	50.1	52.5	57.3	55.7	59.0	60.0	64.6	59.0	58.9	62.5	60.7	60.5	59.6	56.0	59.4	62.4	64.7	64.5	60.9	56.2	55.0	50.6	53.5	54.2	58.2
5	54.8	55.5	56.7	60.9	58.2	58.9	57.9	58.7	59.3	60.7	62.0	61.9	63.9	64.9	66.8	67.0	67.6	68.7	62.7	60.5	56.8	56.5	56.0	55.3	60.5
6	55.4	56.0	56.2	57.3	57.9	58.1	58.8	59.6	60.2	60.2	61.3	60.7	64.8	64.8	70.5	72.2	72.0	71.1	65.8	59.0	54.3	50.9	50.6	52.3	60.4
7	54.1	55.2	56.9	58.1	58.5	59.3	59.8	61.1	61.5	60.8	60.5	61.6	63.6	65.7	67.7	70.2	70.0	66.7	62.7	59.4	57.7	57.2	55.9	55.2	60.8
8 Q	56.2	56.7	55.4	56.5	57.7	58.1	59.0	59.8	62.0	62.8	62.8	61.9	63.4	65.4	69.7	71.7	72.0	69.9	64.9	59.4	57.3	57.2	57.0	57.0	61.4
9 Q	58.4	59.5	58.8	59.8	60.3	60.3	60.7	61.2	62.2	62.4	63.1	63.6	65.4	66.6	69.3	72.2	75.6	75.4	71.8	66.4	61.7	59.6	58.9	59.2	63.8
10 Q	60.7	62.0	60.4	61.2	61.4	61.7	62.0	62.4	63.2	63.3	63.8	64.3	66.2	68.0	70.5	73.2	74.2	73.9	68.2	62.4	57.9	56.3	56.7	56.9	63.8
11	55.8	58.0	58.7	58.5	62.4	61.3	63.4	62.3	59.4	67.8	65.4	65.1	65.2	68.6	72.1	75.9	77.3	73.5	68.8	67.0	61.5	59.2	58.5	59.3	64.4
12	61.3	62.7	61.8	63.1	63.0	63.2	63.7	64.1	63.7	64.0	65.8	67.8	67.1	65.8	87.7	79.0	77.0	68.2	63.6	60.0	61.2	54.1	55.5	54.3	64.9
13	55.1	58.6	58.4	59.8	61.4	61.7	61.6	71.4	67.4	67.1	62.5	64.5	65.5	67.2	69.4	69.8	70.0	70.2	66.8	66.4	61.5	60.9	57.9	59.2	63.9
14 Q	58.2	59.4	59.7	60.0	59.1	59.9	63.8	61.3	60.7	61.5	62.0	63.0	63.2	64.3	66.6	68.6	70.0	69.2	65.0	59.1	55.5	54.6	54.7	54.7	61.4
15	56.3	58.5	59.6	60.5	60.0	58.5	59.4	64.8	62.9	64.1	65.1	63.3	64.1	65.5	67.9	67.7	69.7	69.9	63.1	58.0	55.0	53.3	52.6	53.7	61.4
16 Q	55.2	57.0	59.0	59.5	60.2	60.4	60.4	61.9	64.1	63.9	61.2	61.8	65.2	68.7	71.3	71.2	71.7	66.7	60.0	58.0	56.9	55.5	55.1	55.0	61.7
17	56.1	56.9	57.8	58.3	59.7	59.9	61.9	59.1	60.8	61.6	60.7	61.6	63.9	65.7	68.5	69.3	69.0	67.2	64.1	64.0	56.9	55.7	55.9	56.2	61.3
18	54.5	53.1	53.6	55.7	56.9	57.7	61.5	61.2	58.8	59.5	59.7	59.7	69.2	68.6	73.4	70.6	67.8	63.6	58.1	55.9	53.1	52.4	52.8	53.4	59.6
19	54.7	55.0	55.5	57.1	58.7	67.0	57.6	57.3	57.4	57.1	57.2	57.1	61.6	64.1	64.9	62.6	62.4	60.1	59.8	56.4	53.2	52.6	50.7	50.9	58.0
20	52.1	52.9	56.9	63.9	58.6	56.5	64.7	60.1	61.8	56.7	55.3	54.0	57.6	60.7	62.8	63.5	61.8	59.9	55.7	55.0	53.2	52.1	50.4	48.9	57.3
21	48.0	47.5	71.9	54.7	57.0	56.6	59.1	62.2	62.3	64.0	60.2	59.1	59.2	59.3	62.0	65.4	64.1	60.9	56.9	54.3	53.4	52.0	50.6	50.0	57.9
22	49.3	50.5	56.2	56.2	56.4	56.9	58.0	58.5	58.6	58.1	58.3	58.8	59.9	64.6	64.2	64.4	63.8	62.7	60.4	56.7	51.2	48.9	47.7	48.6	57.0
23	49.7	51.8	53.6	54.6	55.4	55.3	56.2	56.0	56.2	56.8	56.8	57.9	60.2	61.8	65.7	64.9	63.7	64.0	62.8	59.1	50.4	50.4	48.7	49.4	56.7
24 D	48.8	49.1	51.3	54.5	56.1	56.9	55.3	58.3	58.8	55.2	53.1	56.5	61.9	67.7	65.9	66.2	65.7	64.0	56.7	71.9	67.2	49.7	71.8	53.1	59.0
25 D	23.2	28.2	51.2	55.2	52.6	52.8	53.4	52.4	54.5	55.8	56.8	57.2	57.0	59.3	61.9	63.3	74.2	61.9	60.6	62.9	48.0	34.6	42.3	53.5	53.0
26 D	47.6	48.8	47.7	51.0	48.6	52.0	55.9	63.8	54.4	56.3	58.3	59.6	60.9	63.9	68.0	68.4	69.3	70.3	72.1	73.1	56.1	63.0	89.8	87.5	61.9
27 D	38.3	57.7	54.1	24.0	49.1	54.9	42.8	51.7	56.0	54.8	54.7	55.6	56.8	58.5	61.7	63.2	61.8	61.0	63.6	56.0	73.2	75.1	62.7	57.1	56.0
28 D	48.8	21.1	26.4	18.7	22.3	9.2	17.8	13.9	13.9	84.2	56.5	79.9	104.8	103.4	94.2	86.2	75.5	74.2	78.0	60.8	57.0	57.8	63.6	58.1	55.3
29	54.8	55.2	56.1	58.2	59.0	58.2	57.3	51.7	54.0	63.0	63.5	64.0	66.7	66.3	67.1	69.7	70.6	71.4	70.3	65.9	62.3	64.8	58.0	55.2	61.8
30	53.0	48.2	49.8	50.3	58.4	59.5	59.4	60.6	58.9	62.9	68.5	64.7	73.3	76.3	64.0	58.7	63.7	58.3	64.3	59.4	56.3	56.2	51.7	49.4	59.4
31																									
Mean	52.2	53.0	55.6	54.9	57.2	56.7	57.9	58.6	58.0	63.0	61.4	62.2	64.8	66.2	68.6	68.6	69.0	67.1	64.0	60.8	57.0	55.3	55.9	55.0	60.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 189. Meanook. (Z.) 59,000 γ + April, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	296	298	293	281	278	275	272	265	236	206	246	254	261	274	281	280	275	269	266	265	268	285	296	310	272
2	312	324	321	324	295	131	265	252	235	270	160	172	249	274	277	266	265	257	271	309	312	321	347	344	273
3	326	337	344	289	198	264	275	228	179	215	168	163	87	127	234	272	284	286	292	305	333	348	355	311	259
4	308	317	312	305	284	280	260	256	232	213	257	278	270	244	229	255	272	258	269	274	282	280	284	280	271
5	283	286	290	282	275	282	269	266	261	260	258	264	258	260	257	257	265	267	266	267	270	273	275	271	269
6	267	266	270	270	269	269	267	263	257	258	258	244	216	235	240	253	254	256	255	256	257	259	262	264	257
7	265	270	272	267	266	264	262	260	259	260	263	263	265	268	269	268	268	269	269	272	273	279	283	283	268
8 Q	279	276	262	260	258	257	256	256	255	254	252	248	248	253	260	261	263	263	260	263	267	274	278	278	262
9 Q	276	279	280	280	279	278	277	278	277	277	277	278	279	283	283	282	284	285	285	285	284	286	286	286	281
10 Q	285	289	291	291	291	293	293	294	295	300	300	302	306	307	307	306	306	308	307	305	310	317	325	330	302
11	338	378	430	393	336	340	327	284	250	251	310	324	328	337	339	341	338	339	340	339	342	345	350	350	335
12	349	347	346	352	354	355	355	355	354	353	354	352	332	223	114	125	222	297	333	368	405	445	376	378	327
13	411	384	373	367	366	368	365	292	303	348	361	365	364	377	383	380	380	375	379	386	396	411	406	386	372
14 Q	383	383	386	387	392	401	400	389	389	386	385	377	380	382	384	380	374	373	377	379	380	388	397	404	386
15	398	390	389	389	387	396	400	380	380	373	368	375	372	370	369	372	378	376	370	368	372	379	385	386	380
16 Q	381	379	381	380	380	381	385	386	382	366	349	266	326	363	368	374	376	374	375	375	382	387	390	395	371
17	391	385	382	384	403	412	411	403	372	382	388	387	386	387	393	392	392	392	391	392	396	398	395	390	392
18	396	419	476	453	421	410	418	397	396	393	380	317	329	365	369	387	397	398	402	403	406	408	417	420	399
19	418	407	402	403	410	410	403	401	387	384	374	303	356	379	391	397	402	407	403	409	413	417	422	433	397
20	426	409	427	451	414	409	396	393	371	350	363	336	377	391	401	413	413	413	408	406	406	407	407	412	400
21	420	439	497	506	519	452	404	285	258	288	378	367	339	408	425	425	430	429	430	429	432	435	430	428	410
22	420	418	330	329	329	334	333	321	295	330	333	335	333	329	330	327	336	341	342	345	338	337	337	345	339
23	339	335	335	335	335	338	337	334	321	334	335	333	336	336	334	331	333	334	332	338	349	355	357	353	337
24 D	354	362	367	362	352	327	328	325	321	320	290	324	302	299	321	335	344	342	333	325	333	385	323	60	322
25 D	54	316	389	391	381	394	377	366	374	370	362	350	360	370	383	388	361	358	369	383	347	377	355	431	358
26 D	404	405	400	388	375	358	248	250	298	343	347	360	350	350	360	359	361	355	350	365	372	405	122	-132	325
27 D	-142	57	41	149	346	403	311	403	370	361	360	358	367	372	380	372	377	379	385	401	447	499	458	214	320
28 D	259	7	40	-94	54	166	596	257	458	399	533	360	509	535	227	283	345	391	404	389	378	386	422	396	321
29	352	345	347	347	347	351	337	257	246	236	315	323	299	305	311	330	336	345	368	385	354	376	373	390	332
30	389	384	388	329	353	365	257	299	332	256	278	311	247	221	231	236	283	293	355	412	414	424	458	441	332
31																									
Mean	321	330	335	328	332	332	336	313	311	311	320	310	314	321	315	322	330	334	340	347	351	363	352	328	329

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 190 Meanook — April, 1937.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	2	43	752	9	42	693	59	17	32	73.1	23	35	48.5	24.6	23	37	314	9	44	193	121	792	1
2	23	4	853	11	6	344	509	11	16	78.9	8	47	20.3	58.6	22	57	378	5	34	-3	381	2904	1
3	3	33	971	9	39	216	755	9	11	106.0	4	0	40.6	65.4	9	47	445	10	19	-17	462	3696	2
4	6	52	774	8	56	580	194	6	48	73.6	21	33	48.8	24.8	1	58	334	8	56	-33	367	2423	1
5	4	47	755	20	0	709	46	17	9	70.7	0	0	53.4	17.3	2	30	291	15	6	245	46	331	1
6	14	40	769	20	8	714	55	14	24	74.3	22	3	40.6	33.7	2	25	278	12	33	210	68	473	0
7	11	10	774	18	13	712	62	15	51	74.3	0	2	52.5	21.8	22	18	285	7	43	255	30	257	1
8 Q	11	24	765	19	0	721	44	16	30	72.6	1	14	54.7	17.9	24	0	279	11	57	241	38	281	0
9 Q	2	1	776	19	58	718	58	16	47	76.5	0	0	57.3	19.2	19	0	285	0	30	276	9	127	0
10 Q	11	25	777	18	34	724	53	16	32	75.8	21	54	55.0	20.8	24	0	331	0	30	285	46	340	0
11	2	6	810	18	48	699	111	17	18	78.1	3	17	50.8	27.3	2	47	448	8	52	208	240	1565	1
12	22	1	840	13	35	503	337	14	27	95.9	13	41	43.4	52.5	21	16	476	13	52	41	435	3009	1
13	0	29	821	8	55	692	129	7	53	85.0	0	27	47.7	37.3	21	40	422	7	56	259	163	1132	1
14 Q	6	16	756	19	56	697	59	6	17	72.3	22	38	53.6	18.7	6	15	522	17	32	371	151	972	1
15	7	21	777	19	3	705	72	16	40	72.2	22	43	52.0	20.2	6	58	406	7	32	353	53	406	1
16 Q	7	47	761	11	53	640	121	16	16	72.6	23	18	53.6	19.0	23	16	400	11	37	250	150	1045	1
17	6	29	787	21	54	709	78	14	59	71.2	21	17	55.0	16.2	5	6	425	8	14	348	77	555	1
18	2	40	806	12	4	664	142	14	18	76.6	22	33	50.5	26.1	2	39	509	11	58	234	275	1813	1
19	20	52	778	10	54	672	106	5	47	72.7	21	45	46.9	25.8	23	13	442	11	7	260	182	1216	1
20	2	38	782	9	26	680	102	6	54	81.6	23	21	47.3	34.3	3	13	471	9	34	317	154	1045	1
21	3	53	864	8	38	627	237	2	26	89.1	7	16	43.8	45.3	4	22	557	8	46	193	364	2464	1
22	22	57	769	19	19	708	61	14	0	66.6	22	32	46.0	20.6	0	30	420	8	5	269	151	975	1
23	12	30	774	19	34	712	62	14	28	67.5	0	0	47.7	19.8	22	48	365	8	18	303	62	447	0
24 D	23	7	1385	21	1	648	737	22	47	85.1	23	59	11.2	73.9	22	22	633	23	55	-182	815	5774	2
25 D	0	24	1417	16	10	473	944	16	25	107.3	0	31	-32.3	139.6	23	8	524	0	36	-53	577	4624	2
26 D	22	57	1527	6	49	541	986	19	10	120.9	20	9	33.4	87.5	21	27	497	22	58	-273	770	5821	2
27 D	23	54	1438	6	40	457	981	20	58	89.5	2	49	-45.1	134.6	22	9	613	0	20	-271	884	6490	2
28 D	0	6	1380	5	32	-826	2206	14	53	155.1	5	35	-68.3	223.4	7	50	1037	3	35	-256	1293	10470	2
29	23	39	877	9	28	407	470	6	36	81.0	7	5	34.4	46.6	23	37	430	7	58	151	279	2252	2
30	3	30	977	10	53	298	679	13	7	86.8	3	45	17.0	69.8	22	28	477	3	37	67	410	3295	2
31																							
Mean			910			561	349			83.4			35.3	48.1			443			141	302	2233	1.10
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 191. Meanook. (H.) 12,000 γ + May, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	906	897	948	828	773	744	742	735	648	571	450	547	701	677	734	734	736	710	707	719	728	745	732	726	726
2	738	734	757	763	738	732	732	730	724	733	735	733	743	739	733	730	730	723	721	722	728	719	725	747	734
3	732	754	732	741	737	747	738	657	740	754	746	743	742	738	731	729	697	716	711	721	732	728	736	749	731
4 D	744	759	767	791	743	733	735	739	743	745	747	749	746	741	734	724	716	705	698	727	761	791	871	936	756
5 D	1064	1269	1143	1070	831	638	121	287	353	540	249	267	199	412	374	426	723	756	751	749	743	735	739	745	633
6 Q	733	735	741	733	723	723	724	724	728	734	733	733	743	742	733	725	719	717	711	713	723	725	729	731	728
7 Q	733	735	742	751	739	740	740	744	744	747	747	749	747	773	772	757	746	726	704	708	704	720	736	736	739
8	737	737	742	743	744	746	747	751	733	738	756	765	763	766	772	774	756	734	724	723	730	742	742	744	746
9	749	761	764	766	779	778	785	768	744	630	656	712	507	521	743	748	742	737	728	724	716	717	748	820	723
10	838	781	755	804	761	771	758	744	729	665	682	720	756	765	716	729	722	721	703	705	714	714	770	779	742
11	831	856	863	855	886	758	730	742	727	667	571	605	656	702	713	731	729	724	710	709	713	723	731	750	737
12	750	756	749	755	764	732	741	730	740	745	748	753	758	764	771	764	754	732	711	702	711	715	729	741	742
13	756	755	762	758	755	760	765	746	771	764	762	764	765	774	769	764	752	718	714	715	717	723	733	744	750
14	757	759	763	755	757	760	770	750	760	776	771	765	782	761	780	771	745	700	716	741	723	722	734	737	752
15	740	784	770	802	762	759	761	743	754	762	765	754	758	707	743	757	751	762	753	741	729	728	727	784	754
16	807	877	763	740	744	767	767	758	753	747	743	754	737	734	753	741	748	719	713	729	730	732	756	757	753
17	768	771	755	752	745	751	765	752	755	758	759	762	760	768	758	756	744	720	718	720	717	716	731	738	747
18 Q	742	750	751	748	750	757	757	757	756	764	764	765	769	775	769	751	741	729	734	733	750	736	743	752	752
19	753	750	747	744	761	748	736	623	663	624	562	601	666	688	778	748	739	743	738	737	735	728	730	737	712
20 Q	740	743	743	744	744	744	748	753	750	755	742	743	758	771	768	764	754	734	732	737	744	747	743	750	748
21	756	744	738	739	740	741	745	748	752	753	757	767	773	773	763	748	722	719	703	726	740	743	738	743	745
22	746	747	746	743	743	743	744	749	753	754	737	751	767	770	769	751	734	713	705	702	714	715	720	732	740
23 Q	747	756	760	781	765	766	738	622	738	753	751	753	756	735	731	718	711	705	705	711	711	711	727	739	733
24	751	766	765	749	748	748	747	747	748	749	753	758	763	769	752	755	744	723	715	709	708	731	743	741	745
25	810	817	860	927	760	739	748	759	658	518	471	578	742	745	741	729	726	701	692	695	716	748	827	857	732
26	899	920	776	846	870	585	595	566	526	642	733	742	732	727	742	737	714	705	693	684	695	752	736	727	723
27 D	770	778	777	754	753	748	745	744	733	703	738	713	713	533	708	694	697	664	675	715	811	912	935	1165	757
28 D	994	758	815	897	876	936	916	817	710	321	291	324	468	274	317	387	605	654	672	747	883	951	1166	1049	701
29 D	1052	1040	977	804	551	658	509	715	447	325	635	631	729	726	715	724	734	726	719	720	750	799	838	821	723
30	813	733	774	789	749	748	749	750	738	664	692	672	584	695	709	733	720	723	715	712	704	726	740	809	727
31	834	936	897	804	727	723	723	722	730	740	742	745	743	743	744	735	719	700	699	692	699	739	763	834	756
Mean	800	805	795	790	759	743	720	715	705	682	677	691	704	703	720	720	728	718	712	719	732	746	768	788	735

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 192. Meanook. (D.) East 25° + . . . ′ May, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	52.7	51.0	51.5	46.2	58.4	55.2	52.9	56.0	57.0	62.4	54.1	51.0	59.8	64.2	64.8	67.0	68.4	69.0	63.6	59.6	58.6	57.7	55.0	52.9	57.9
2	53.9	57.8	59.8	62.3	59.4	59.3	60.3	60.0	59.1	59.2	60.0	59.6	61.5	65.2	69.5	70.0	71.7	69.6	66.7	63.1	60.3	58.0	58.1	57.4	61.7
3	60.0	59.3	61.8	62.8	64.3	62.8	63.8	71.8	70.9	65.6	63.8	64.7	65.8	67.4	70.3	72.1	71.4	67.8	69.4	58.7	57.1	57.3	56.9	56.6	64.3
4 D	57.8	54.7	54.1	55.3	58.5	60.4	61.8	63.1	62.9	62.8	63.9	65.4	67.1	69.9	71.3	71.2	70.2	70.9	65.0	59.2	59.7	56.8	53.9	56.6	62.2
5 D	59.2	41.9	52.2	47.1	-26.7	-13.3	50.7	49.5	67.9	70.3	76.7	91.8	75.8	77.5	85.1	69.0	61.2	60.3	59.3	58.2	58.5	60.2	61.2	60.5	56.4
6 Q	60.5	61.2	63.0	64.8	62.9	62.9	63.0	62.9	63.3	62.2	63.6	65.5	67.6	70.2	71.2	70.5	68.9	65.7	62.2	59.3	58.3	58.4	59.3	60.1	63.6
7 Q	60.9	61.6	61.6	62.4	61.6	61.1	60.8	61.3	61.3	61.2	59.9	59.1	64.6	68.8	70.3	72.1	69.3	66.4	62.6	58.3	54.9	54.1	55.8	57.1	62.0
8	58.9	60.4	60.2	60.5	61.0	60.8	61.5	60.5	62.0	65.7	65.4	62.7	64.3	67.3	69.5	69.7	68.8	67.2	63.7	59.6	57.2	56.1	55.4	55.6	62.2
9	58.3	58.2	58.1	57.2	60.0	60.8	62.1	61.9	61.4	66.9	69.1	73.0	77.5	98.3	82.0	77.3	73.2	70.2	64.3	62.2	60.0	54.6	53.0	52.0	65.5
10	57.2	57.4	57.8	72.0	77.9	60.3	64.1	63.0	59.7	57.5	57.3	58.9	64.0	74.1	70.6	74.8	71.4	68.3	64.2	58.3	55.2	53.1	54.0	54.3	62.7
11	53.1	53.8	62.3	53.8	56.4	70.4	63.3	62.9	60.0	61.1	70.0	72.8	77.2	74.5	72.1	73.4	71.6	69.4	62.0	57.5	55.0	53.2	53.7	55.6	63.1
12	58.4	59.1	59.9	59.0	57.4	62.1	60.1	59.0	62.2	57.5	59.0	61.1	63.9	69.6	73.5	73.4	72.3	67.8	63.0	57.9	54.0	52.5	52.7	54.4	61.2
13	56.6	58.8	59.3	59.6	58.8	57.6	56.3	68.4	62.5	59.9	61.2	63.6	67.8	70.2	71.3	73.4	74.0	69.7	65.5	59.0	53.7	51.0	50.8	53.4	61.8
14	56.0	58.2	60.0	61.2	60.4	59.5	62.1	72.9	67.2	59.7	59.7	58.6	67.8	68.1	77.7	75.9	78.4	74.2	60.9	54.1	58.1	56.9	54.0	54.0	63.2
15	56.0	57.0	61.0	68.6	65.9	58.1	60.2	62.1	61.5	61.1	59.2	58.4	63.3	64.9	69.0	72.6	74.6	69.3	66.2	58.4	56.7	55.7	54.6	52.6	62.0
16	54.9	60.3	59.4	57.8	57.0	58.5	63.5	64.6	57.4	57.6	58.6	59.0	61.2	70.3	74.2	73.0	70.4	65.1	63.1	59.7	57.8	55.1	53.0	55.4	61.1
17	55.1	56.6	58.6	60.4	61.6	58.6	61.9	64.1	61.5	58.1	57.9	60.4	63.2	68.4	70.7	72.0	70.1	69.9	59.6	55.4	51.4	50.6	50.6	52.0	60.4
18 Q	54.3	56.7	57.3	57.4	58.1	58.7	61.8	60.8	57.8	56.6	57.6	56.2	64.3	68.2	70.2	71.9	72.5	68.9	61.9	57.7	55.2	50.1	52.6	55.1	60.1
19	57.4	59.3	59.3	58.7	60.1	71.0	62.2	63.3	61.8	61.3	66.4	63.4	68.1	72.1	71.3	70.5	69.5	62.9	59.6	55.9	54.0	53.3	53.3	55.1	62.1
20 Q	56.9	58.5	58.8	58.0	57.6	56.9	56.6	56.6	56.7	54.9	50.8	51.4	62.0	65.2	69.2	69.3	66.3	65.1	60.5	57.7	54.5	54.8	54.8	55.5	58.7
21	56.2	58.1	58.3	57.3	57.3	57.5	57.7	57.7	56.4	59.1	60.0	61.2	62.1	65.4	68.7	69.3	75.6	59.5	61.3	58.4	49.8	49.6	51.1	51.3	59.1
22	53.3	56.3	56.8	57.0	57.2	57.4	58.1	57.9	56.3	57.2	56.6	66.1	66.7	64.8	67.6	69.3	70.3	68.4	59.9	56.0	52.3	51.6	52.3	52.8	59.2
23 Q	54.0	55.7	57.0	59.8	59.7	58.4	66.4	56.3	58.7	57.9	57.9	60.7	63.5	66.6	72.1	72.9	71.3	70.3	64.6	59.7	52.5	51.8	53.1	54.7	60.6
24	55.7	56.3	58.4	58.6	57.9	57.9	59.2	57.3	57.5	57.5	57.6	59.4	62.4	66.1	68.7	72.8	72.8	69.1	65.1	59.4	51.2	51.5	48.9	47.7	59.5
25	47.8	50.2	49.5	52.9	59.8	55.1	53.4	55.2	59.0	61.4	56.2	59.3	63.8	69.4	73.1	74.4	72.6	65.9	59.5	52.6	48.9	47.4	49.7	48.6	57.7
26	47.0	46.8	53.9	46.0	54.8	42.0	50.2	59.0	72.9	59.8	57.4	58.7	63.4	65.8	68.5	70.0	71.1	70.3	62.8	56.9	52.1	50.1	49.2	48.4	57.4
27 D	50.0	53.0	55.5	55.5	53.6	53.4	55.4	53.5	54.6	55.7	55.5	55.6	56.5	62.1	66.4	67.7	69.5	68.7	66.9	67.1	63.8	65.0	59.1	52.6	59.0
28 D	53.2	53.0	39.5	41.2	51.5	33.8	34.8	49.4	51.0	43.3	35.7	73.5	74.2	69.4	62.4	61.0	67.7	63.1	64.7	66.7	74.2	71.0	73.9	56.3	56.8
29 D	47.7	53.2	45.4	42.4	49.7	44.0	53.6	58.8	51.6	50.2	57.7	56.1	60.7	63.4	65.9	69.4	71.3	69.2	64.3	55.1	58.9	61.7	57.8	51.8	56.7
30	51.6	54.6	52.8	57.4	58.3	53.9	61.3	52.8	50.8	54.7	59.1	58.5	62.2	64.3	61.8	65.9	68.8	62.3	59.5	56.7	53.6	50.9	50.0	50.1	57.2
31	50.1	49.4	46.7	52.9	55.3	55.2	54.8	54.1	54.7	53.8	54.1	56.3	60.0	64.6	68.2	68.7	68.4	63.9	59.9	52.2	49.4	49.5	46.1	48.1	55.7
Mean	55.0	55.8	56.4	57.0	56.3	55.2	58.5	59.9	59.9	59.1	59.4	62.0	65.2	68.9	70.6	71.0	70.8	67.4	63.0	58.4	56.0	54.8	54.3	53.8	60.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 193. Meanook. (Z.) 59,000 γ + May, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	385	360	389	346	369	364	351	313	287	262	231	201	300	306	367	365	367	358	359	359	360	382	378	375	339
2	374	352	366	379	360	351	342	339	319	328	334	332	333	340	335	334	337	337	335	339	346	349	358	373	346
3	352	348	340	341	338	337	338	205	281	331	336	339	340	337	330	326	315	327	337	337	346	343	344	363	330
4 D	373	372	387	415	371	339	331	329	324	328	329	335	337	335	331	330	330	329	330	335	336	421	431	428	354
5 D	273	-71	202	-115	99	283	217	404	408	484	255	442	490	271	163	83	247	360	368	368	367	367	368	366	279
6 Q	357	356	363	367	354	353	353	351	352	353	353	356	358	356	353	352	354	356	356	359	362	361	360	360	356
7 Q	357	356	360	361	359	359	357	352	346	349	340	341	321	342	358	356	352	353	354	358	359	359	363	361	353
8	359	354	346	344	343	343	347	346	292	285	302	340	341	342	341	347	344	337	340	340	344	360	360	361	340
9	359	349	351	356	384	380	368	331	324	162	182	257	226	145	231	288	327	346	352	352	364	374	377	423	317
10	420	401	399	406	325	366	338	325	274	210	233	280	322	337	311	320	330	334	335	347	365	363	376	386	338
11	418	421	418	473	433	335	353	363	352	310	165	206	231	253	287	318	346	362	375	377	366	363	357	363	344
12	370	370	370	373	352	322	351	347	349	349	348	353	355	351	353	347	349	350	345	336	336	338	340	344	350
13	346	346	347	345	342	343	346	231	322	339	335	345	347	349	341	331	335	336	331	329	328	333	336	345	334
14	345	342	344	343	349	346	350	281	316	354	352	347	345	331	323	320	323	323	312	327	342	347	359	351	336
15	343	362	374	418	371	360	348	284	329	345	346	336	326	291	313	325	335	342	340	339	338	342	346	372	343
16	400	465	398	360	347	357	347	397	341	342	344	355	343	331	331	320	329	328	334	343	355	358	370	381	357
17	366	360	362	357	349	346	346	329	328	332	344	348	346	347	336	343	349	349	351	352	354	356	356	353	348
18 Q	350	347	343	342	343	343	346	346	345	343	340	343	348	347	342	341	345	340	338	336	352	358	368	371	346
19	374	360	354	350	353	314	332	161	237	284	286	312	287	271	354	353	354	370	370	370	368	367	373	370	330
20 Q	363	357	352	350	350	350	351	351	352	354	343	326	339	351	347	347	348	344	345	350	353	358	359	354	350
21	351	349	344	342	341	340	341	343	341	341	345	347	348	348	350	347	335	332	314	336	349	349	351	348	343
22	344	341	339	339	338	338	338	341	342	335	306	308	337	336	337	339	346	348	341	336	339	344	348	348	338
23 Q	344	344	346	361	361	372	300	250	301	340	350	350	349	328	323	315	312	323	333	336	343	348	361	374	336
24	365	366	361	347	345	346	347	343	343	343	344	345	350	349	340	340	344	343	343	345	347	359	362	363	349
25	393	410	435	423	390	361	350	340	262	250	215	251	331	333	336	335	334	334	347	349	368	394	444	437	351
26	458	457	401	417	372	175	241	268	210	293	346	349	343	333	353	352	352	352	352	352	355	377	378	358	344
27 D	364	385	390	369	378	364	347	344	308	235	321	301	295	196	297	308	318	336	360	433	497	543	507	470	361
28 D	435	384	417	386	396	348	340	361	352	223	209	273	175	365	45	151	252	330	398	470	513	435	451	408	338
29 D	364	365	367	223	74	338	296	262	187	142	216	227	323	332	345	363	378	376	375	378	403	440	432	418	318
30	394	369	374	398	356	352	342	351	329	272	275	241	215	251	268	320	343	351	359	368	379	379	383	397	336
31	430	417	408	412	379	358	345	334	334	342	344	347	342	342	346	340	340	339	327	333	335	356	372	423	360
Mean	372	358	366	352	343	341	335	320	316	308	302	317	324	318	316	321	334	343	347	354	364	372	376	379	341

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 194 Meanook — May, 1937.

Day	Horizontal Force						Declination						Vertical Force						Character $\frac{HR_H+ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	3	19	1017	10	35	339	678	17	16	73.2	3	12	14.8	58.4	3	6	429	3	21	36	393	318	2
2	3	22	780	21	38	705	75	16	42	73.5	0	0	50.8	22.7	3	40	404	8	15	308	96	665	1
3	1	19	765	7	8	501	264	7	19	79.8	7	2	54.0	25.8	24	0	377	7	7	122	255	1845	1
4 D	24	0	1066	17	59	679	387	15	10	72.2	21	58	48.8	23.4	21	48	446	18	17	320	126	1237	1
5 D	1	18	1421	6	52	-534	1955	6	50	166.4	5	24	-75.5	241.9	11	42	674	7	0	-405	1079	8871	2
6 Q	1	57	754	18	50	702	52	14	14	71.7	20	36	58.1	13.6	3	40	371	4	43	351	20	184	0
7 Q	14	15	777	20	33	696	81	15	22	73.0	21	37	53.2	19.8	3	42	367	12	29	314	53	417	0
8	15	28	780	20	0	717	63	15	20	70.7	22	22	53.9	16.8	23	47	365	8	48	244	121	797	1
9	23	55	888	13	0	343	545	13	13	114.5	12	51	37.1	77.4	23	51	468	9	55	84	384	2965	1
10	3	50	862	9	30	635	227	3	56	92.1	22	10	50.9	41.2	4	37	442	9	3	175	267	1869	1
11	2	14	967	10	34	529	438	12	8	85.4	3	25	47.8	37.6	3	44	492	10	21	94	398	2912	1
12	4	37	789	19	53	698	91	15	1	74.5	4	1	48.6	25.9	4	40	403	5	2	285	118	815	1
13	6	42	828	7	8	701	127	15	16	76.6	22	10	49.8	26.8	13	18	356	6	59	172	184	1250	1
14	12	29	791	18	22	667	124	16	7	82.0	19	13	50.1	31.9	22	13	367	7	55	223	144	1009	1
15	1	59	828	13	23	698	130	16	12	77.1	23	44	51.5	25.6	3	14	455	8	10	257	198	1338	1
16	1	23	921	6	18	703	218	6	55	91.1	22	48	51.1	40.0	1	23	522	6	56	253	269	1870	1
17	1	50	795	21	30	713	82	15	11	74.7	22	16	49.0	25.7	2	2	371	7	33	312	59	453	1
18 Q	14	0	780	17	12	719	61	16	15	75.9	21	43	47.6	28.3	24	0	384	10	38	337	47	355	0
19	5	13	783	10	49	468	315	9	58	93.0	9	48	45.4	47.6	0	17	374	7	38	95	279	2052	1
20 Q	13	16	776	10	52	724	52	14	51	70.3	10	20	49.4	20.9	0	0	364	11	17	323	41	309	0
21	13	40	778	16	43	692	86	16	43	83.9	14	27	48.0	35.9	15	47	361	18	47	309	52	418	1
22	9	51	779	17	40	694	85	16	51	73.4	22	16	51.3	22.1	17	10	358	10	52	269	89	629	1
23 Q	3	47	788	7	38	471	317	6	31	77.4	7	36	43.2	34.2	23	12	376	7	38	169	207	1628	1
24	13	5	774	19	41	688	86	15	39	73.7	23	42	46.9	26.8	24	0	382	14	42	329	53	424	0
25	3	34	984	11	0	333	651	11	2	77.9	3	8	43.2	34.7	3	12	465	11	33	103	362	2970	2
26	1	42	966	5	37	387	579	5	58	85.2	5	22	-17.2	102.4	1	41	461	5	23	-143	604	4311	2
27 D	23	46	1275	13	13	411	864	16	46	76.1	23	42	32.3	43.8	21	27	555	9	8	94	461	3826	2
28 D	22	36	1243	13	45	113	1130	12	44	106.7	10	30	-11.6	118.3	6	6	567	14	32	-25	592	4939	2
29 D	0	9	1252	9	23	164	1088	5	54	104.6	5	11	-10.5	115.1	5	17	461	8	58	-91	552	4650	2
30	0	0	862	12	25	523	339	10	2	72.4	22	3	48.2	24.2	3	24	437	12	28	143	294	2168	1
31	1	26	1019	17	39	673	346	15	12	70.7	1	50	38.5	32.2	1	50	463	19	0	320	143	1286	1
Mean			906			534	372			83.5			37.1	46.4			430			174	256	1989	1.06
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 195. Meanook. (H.) 12,000 γ + June, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	805	790	822	784	768	790	733	720	710	728	700	722	753	745	729	725	730	717	714	701	723	726	739	764	743
2	755	769	778	756	748	740	737	741	741	736	655	626	695	722	750	739	741	718	707	709	713	713	723	746	727
3	793	766	751	739	739	741	747	750	743	755	752	752	756	765	762	755	741	719	698	703	718	730	733	756	744
4	755	759	751	746	747	749	753	763	770	762	767	782	797	801	806	800	786	759	741	756	744	762	762	776	766
5 D	822	789	765	761	763	777	773	735	730	748	766	717	610	599	690	709	702	679	667	699	726	944	979	1045	758
6 D	1043	1022	1190	1063	1015	856	723	473	444	332	268	306	252	203	258	381	489	685	731	736	728	759	790	798	648
7	833	791	766	745	741	732	731	731	732	719	696	672	603	637	639	658	696	731	713	709	705	724	751	754	717
8	799	815	775	761	753	748	737	730	728	738	750	758	764	762	746	746	729	706	716	712	723	732	764	871	753
9 Q	871	777	766	774	763	741	738	737	726	722	720	661	712	751	748	746	732	716	708	706	711	718	726	731	738
10	750	749	752	749	749	782	774	803	546	793	778	769	796	811	809	797	763	749	727	726	719	722	724	732	753
11 Q	789	809	794	756	740	752	763	762	741	741	753	765	779	773	775	768	753	744	730	719	717	714	720	720	753
12 Q	732	742	751	747	745	743	743	745	746	747	752	753	758	765	765	751	747	737	720	723	705	713	720	743	741
13 D	757	770	780	781	765	753	757	754	770	737	355	230	434	606	721	771	761	747	748	754	755	758	761	766	700
14	754	790	767	755	748	752	780	784	748	754	762	760	771	767	765	762	745	744	743	729	728	739	725	728	754
15	742	743	750	744	744	746	777	737	754	752	751	740	768	768	788	781	773	750	728	717	716	715	740	738	748
16	818	825	747	749	775	739	728	730	732	735	724	742	751	767	765	752	733	724	728	729	737	698	714	771	746
17	808	923	797	787	776	754	751	742	716	622	560	681	587	732	782	776	773	731	689	719	708	720	721	729	733
18	756	769	777	747	748	743	748	750	643	725	751	748	741	718	642	699	703	700	688	711	739	749	752	765	730
19 Q	759	761	756	755	746	740	745	743	746	743	741	740	748	750	752	744	726	711	711	711	717	729	741	758	740
20 D	772	760	749	752	815	832	838	765	663	636	719	736	638	675	672	689	691	700	706	719	810	946	884	872	752
21	899	880	914	830	879	746	748	740	732	733	735	737	746	748	746	741	742	749	730	737	725	768	757	744	771
22	741	808	744	725	731	732	735	749	740	734	519	576	681	561	686	690	694	694	736	738	775	761	761	780	712
23	770	740	742	730	725	740	735	731	731	736	733	736	714	727	742	731	718	702	686	707	722	731	737	741	729
24	751	760	749	784	755	752	691	566	621	714	754	752	751	719	666	636	723	744	738	703	710	749	742	765	721
25	787	840	774	746	754	742	715	698	634	653	659	589	673	722	683	695	749	762	723	726	736	736	761	794	723
26 Q	805	763	766	736	748	743	738	747	751	746	746	749	750	754	751	745	731	718	711	705	702	707	721	731	740
27 D	755	749	770	794	794	810	835	841	870	785	776	769	685	767	769	758	746	700	680	752	713	866	762	774	772
28	804	791	769	788	756	674	552	703	692	482	447	673	761	769	741	715	725	719	714	703	713	722	743	758	705
29	774	859	838	778	743	744	731	732	735	723	711	698	737	750	754	760	753	735	727	723	713	719	723	737	746
30	729	750	744	744	744	742	731	709	729	746	744	752	756	768	773	766	753	732	715	712	699	709	725	743	738
31																									
Mean	791	795	786	770	767	754	743	730	712	709	685	690	700	713	722	726	728	724	716	720	725	749	753	771	737

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 196. Meanook. (D.) East 25° + . . . ′ June, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	52.0	49.1	49.0	54.5	49.7	53.6	48.3	48.4	53.6	53.4	54.6	54.3	59.1	62.4	65.0	67.3	66.4	64.1	62.5	55.8	52.3	50.9	51.5	50.7	55.4
2	52.8	53.6	56.6	56.5	55.4	54.1	53.7	52.6	54.4	57.3	44.5	53.5	59.5	64.0	66.5	67.8	66.1	66.0	63.0	59.4	52.3	47.9	47.5	47.4	56.4
3	48.2	50.6	51.4	51.6	51.6	52.2	52.0	52.3	52.9	53.6	53.8	54.7	58.8	62.0	64.5	64.6	63.7	62.2	60.3	57.1	53.3	49.6	48.5	48.6	54.9
4	51.1	51.5	51.0	51.0	51.2	52.1	52.3	52.1	52.1	56.8	56.8	57.0	60.6	64.6	67.1	62.9	56.8	53.3	49.3	46.4	43.7	46.6	47.2	48.5	53.4
5 D	51.0	54.4	53.9	53.8	54.7	55.5	52.5	50.9	53.8	53.0	52.7	51.8	65.2	70.0	76.2	69.1	66.0	66.6	60.3	46.3	48.7	57.4	51.0	49.9	56.9
6 D	49.5	37.8	21.4	27.5	20.3	27.6	49.1	35.4	50.3	52.0	59.4	68.4	77.5	64.2	83.7	80.8	71.5	53.4	56.7	50.9	47.2	49.3	46.7	47.4	51.2
7	45.9	46.6	47.7	49.6	48.5	49.9	50.5	49.2	49.6	47.7	47.9	56.3	59.2	64.4	72.3	67.5	65.7	60.4	54.4	46.5	42.1	41.8	46.0	45.5	52.3
8	48.7	49.6	48.6	47.8	50.8	51.8	50.7	50.5	51.5	52.5	51.3	53.9	56.2	60.0	65.1	64.9	68.1	62.8	58.4	53.6	47.9	45.7	44.2	41.5	53.2
9 Q	43.1	48.8	49.0	49.1	50.9	52.0	51.6	49.1	50.1	50.0	50.7	51.6	56.2	61.6	64.5	66.2	66.1	63.5	58.0	52.2	48.2	46.4	45.6	45.3	52.9
10	46.4	48.4	49.3	50.8	51.2	44.7	47.4	50.0	43.6	58.7	53.2	56.0	60.0	64.1	65.5	66.5	66.0	62.8	59.9	54.5	51.2	49.2	48.7	48.7	54.0
11 Q	48.4	50.9	58.2	53.3	51.1	51.5	52.7	54.5	53.2	52.4	52.5	56.1	59.7	59.3	64.0	65.1	66.8	63.8	63.1	59.0	54.2	51.4	48.8	47.4	55.7
12 Q	48.5	50.1	51.8	52.8	53.7	53.9	54.1	54.2	54.3	54.3	54.5	57.3	57.6	57.6	00.2	59.4	61.9	59.3	59.1	53.7	51.8	49.2	49.8	51.9	52.1
13 D	52.4	53.2	55.5	57.2	58.4	53.9	52.9	52.9	51.1	48.3	64.8	58.9	69.8	67.3	75.7	73.8	71.4	63.5	56.4	51.1	49.0	49.2	50.0	50.7	57.8
14	52.3	56.0	59.2	55.8	53.6	51.4	52.5	56.0	55.4	56.1	56.4	58.8	61.3	65.5	67.7	66.8	67.1	61.8	58.1	53.7	53.8	52.7	50.7	51.6	57.3
15	50.4	50.8	52.5	52.9	53.0	53.5	55.6	53.9	53.8	54.3	55.4	57.4	60.4	62.1	66.9	66.6	66.3	66.2	63.8	58.5	52.4	50.3	50.5	47.6	56.5
16	47.4	50.8	54.4	53.8	58.1	63.3	57.6	57.2	52.6	51.4	52.4	54.9	58.5	63.6	64.2	66.5	68.0	64.4	61.2	54.9	52.6	50.1	48.0	49.8	56.5
17	50.0	53.9	57.6	60.7	63.6	58.1	54.7	56.9	56.7	52.7	67.9	62.2	64.9	64.6	69.1	69.3	67.4	65.3	59.9	53.1	53.0	49.4	47.4	49.5	58.4
18	51.2	54.4	55.1	53.6	55.3	53.2	52.1	53.1	54.2	59.4	57.7	60.5	61.8	62.7	59.7	62.8	63.8	60.1	54.0	53.0	54.2	53.7	53.9	53.9	56.4
19 Q	53.5	53.9	55.0	56.3	57.1	54.5	53.5	52.9	54.0	56.4	55.5	58.9	61.7	63.1	67.1	67.8	65.6	60.1	56.0	50.5	49.4	49.7	52.3	52.6	56.6
20 D	52.0	52.0	53.6	52.8	51.8	64.7	51.8	48.0	49.0	57.4	58.4	60.6	67.0	77.6	73.6	77.5	74.9	69.8	67.3	59.7	58.5	60.5	54.5	46.4	60.0
21	44.0	48.1	52.2	56.6	53.8	54.0	54.1	52.0	52.1	52.9	57.1	60.9	62.4	65.0	67.4	68.0	66.3	62.7	60.5	58.8	52.7	50.6	50.2	49.1	56.3
22	48.3	51.2	54.4	54.6	54.2	54.3	55.5	53.8	53.5	51.9	41.1	65.7	68.4	66.8	73.7	74.3	74.8	71.6	61.9	49.9	52.8	51.2	46.9	52.1	57.6
23	49.7	52.7	52.3	52.6	53.1	53.1	53.4	52.7	51.7	52.5	54.2	57.2	59.9	65.9	67.6	68.9	70.6	67.0	60.1	53.4	47.5	44.0	44.8	48.0	55.5
24	50.7	53.1	54.7	55.7	56.5	53.7	47.9	56.3	59.5	65.8	56.2	56.7	61.2	63.4	68.9	66.2	67.8	68.1	66.2	59.3	45.9	46.4	47.9	49.0	57.4
25	50.4	53.3	54.7	52.9	51.9	53.3	57.6	54.1	57.0	61.2	58.5	55.0	58.9	65.4	63.6	65.2	70.3	65.1	61.7	52.9	50.3	48.5	50.1	53.4	56.9
26 Q	52.0	55.7	56.6	55.3	57.9	57.3	54.2	53.9	58.8	60.7	56.6	58.5	60.8	63.9	66.7	68.6	67.5	65.6	60.2	56.5	53.3	51.0	51.3	53.1	58.2
27 D	54.5	56.0	55.5	55.5	55.5	53.8	50.1	48.7	48.9	55.4	55.5	58.6	67.8	68.5	73.7	78.7	76.0	72.8	68.0	49.8	55.4	56.0	49.1	53.5	59.0
28	56.1	57.3	56.4	63.4	57.1	57.7	60.5	59.6	56.7	59.3	57.9	57.3	56.5	58.5	65.4	67.8	69.1	68.9	63.8	55.8	51.6	47.9	48.1	50.8	58.5
29	53.5	55.4	59.3	58.0	57.0	58.5	60.8	57.5	56.7	54.2	52.2	50.8	57.8	59.3	66.5	66.5	68.3	68.0	63.5	56.6	52.4	50.1	49.8	51.3	57.7
30	53.3	53.8	56.5	57.8	57.0	56.6	52.6	61.0	62.1	59.4	58.3	59.8	61.4	63.7	65.6	67.5	67.5	66.6	64.0	59.8	50.9	46.7	48.5	48.4	58.3
31																									
Mean	50.2	51.8	52.8	53.5	53.1	53.3	53.1	52.6	53.4	55.0	54.9	57.4	61.7	64.0	65.9	68.2	67.6	64.2	60.4	54.1	51.0	49.8	49.0	49.4	56.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 197. Meanook. (Z.) 59,000 γ + June, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	343	345	383	342	372	381	339	319	318	336	262	279	324	318	305	318	333	243	250	247	260	261	253	253	308
2	351	355	393	367	353	340	333	328	318	318	237	190	245	285	306	318	322	319	322	324	328	336	347	355	320
3	372	379	351	334	333	332	337	346	294	336	339	339	342	346	345	341	337	336	333	336	342	343	350	345	341
4	341	339	329	327	326	327	329	330	316	279	300	310	331	331	330	320	317	308	301	306	309	321	334	339	321
5 D	369	377	368	349	362	362	335	304	303	315	340	297	181	139	191	254	280	312	325	342	393	512	462	461	330
6 D	480	429	226	316	202	232	252	295	469	518	323	508	446	405	170	224	188	344	336	323	312	340	337	339	334
7	333	343	333	333	322	308	292	280	268	275	248	225	178	145	104	145	212	255	274	291	298	313	331	336	268
8	377	357	342	319	324	312	292	284	263	237	280	292	296	295	281	284	283	274	264	265	279	290	309	406	300
9 Q	387	345	329	338	334	305	287	270	254	245	240	184	220	267	280	283	277	272	270	269	267	265	267	266	280
10	268	270	268	265	264	266	265	268	178	255	247	251	265	285	263	250	245	251	251	258	264	275	285	286	260
11 Q	304	340	344	292	266	273	282	280	259	261	279	283	283	270	257	259	253	252	250	248	249	252	261	264	273
12 Q	263	262	259	257	258	258	258	257	259	260	263	264	265	263	260	257	254	247	248	253	256	261	263	267	259
13 D	270	268	267	272	270	257	253	251	251	87	-21	314	387	198	188	225	252	251	265	267	265	270	279	280	244
14	271	291	290	267	263	263	251	283	262	260	267	274	273	262	261	257	256	255	245	238	240	245	244	249	261
15	249	248	249	242	241	243	249	206	257	255	251	218	239	249	262	258	252	253	249	246	243	248	269	268	248
16	305	337	286	283	314	281	258	251	244	242	210	231	250	261	264	256	252	247	248	244	252	250	262	285	263
17	298	339	255	286	281	262	252	226	163	106	115	166	98	188	236	252	252	250	253	258	269	280	271	284	235
18	296	292	285	267	262	253	250	233	116	164	236	248	241	198	120	186	229	251	246	250	265	273	280	294	239
19 Q	293	265	261	263	257	248	250	249	240	222	238	255	262	254	253	251	247	246	244	245	238	237	239	250	250
20 D	252	249	244	245	269	279	259	254	292	175	200	218	197	183	161	168	182	204	220	267	381	409	370	370	252
21	377	324	283	312	318	237	277	266	259	267	269	263	263	265	264	261	257	248	232	246	267	287	273	262	274
22	259	284	268	250	241	241	242	243	233	191	-43	79	145	102	143	202	224	236	248	283	283	277	289	307	218
23	291	295	276	254	241	247	248	240	236	235	242	243	230	241	255	256	254	252	242	245	254	250	250	248	251
24	252	265	251	272	270	270	221	91	84	158	238	253	258	219	149	124	194	229	235	238	236	269	270	270	222
25	285	320	287	266	246	203	205	209	202	173	168	154	174	204	173	186	238	253	252	252	245	250	269	300	230
26 Q	303	278	293	247	250	244	238	239	234	217	237	243	244	241	240	238	238	238	236	236	237	241	245	252	246
27 D	256	255	259	275	307	321	318	257	296	262	255	250	175	219	220	223	216	210	243	300	308	365	290	296	266
28	323	274	293	274	240	213	74	183	214	116	-15	136	186	251	253	233	239	251	246	250	246	245	243	244	218
29	297	295	282	270	262	255	223	231	225	215	179	171	191	223	224	237	242	234	231	234	236	247	251	256	238
30	249	248	253	249	260	248	237	167	182	225	230	233	233	233	230	223	224	226	226	226	224	222	220	226	229
31																									
Mean	310	309	294	288	284	275	264	255	250	240	220	246	247	245	233	243	252	258	260	266	275	288	287	295	266

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 198 Meanook — June, 1937.

Day	Horizontal Force							Declination							Vertical Force							Character $\frac{HR_H+ZR_Z}{10,000}$	Magnetic Character (0-2)
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	2	43	853	8	38	654	199	2	57	78.9	1	21	42.5	36.4	2	41	437	10	53	231	206	1473	1
2	1	50	787	10	57	584	203	15	19	70.0	10	36	40.3	29.7	2	53	396	10	55	166	230	1620	1
3	0	46	805	18	15	695	110	15	3	66.7	23	50	48.1	18.6	1	42	385	8	5	274	111	798	0
4	15	15	815	18	48	725	90	14	29	71.1	20	3	41.6	29.5	24	0	347	9	52	267	80	588	0
5 D	23	14	1100	13	0	567	533	14	1	83.1	19	16	40.3	42.8	21	38	562	12	14	106	456	3377	1
6 D	2	20	1257	7	11	-350	1607	12	10	121.9	2	42	-22.4	144.3	5	39	687	13	18	2	685	6096	2
7	0	13	884	12	34	540	344	14	20	73.5	20	50	39.8	33.7	24	0	356	14	22	79	277	2077	1
8	24	0	904	17	30	701	203	16	35	70.8	23	18	38.3	32.5	23	32	424	9	12	212	212	1513	1
9 Q	0	4	918	11	35	628	290	16	20	67.3	23	18	44.4	22.9	3	50	350	11	28	137	213	1629	1
10	5	11	865	8	33	343	522	15	20	69.4	8	34	19.6	49.8	8	56	312	8	22	10	302	2451	1
11 Q	1	45	837	21	39	706	131	16	25	67.8	23	48	46.8	21.0	1	48	370	19	25	248	122	890	1
12 Q	13	38	769	20	8	700	69	16	46	65.1	21	52	47.9	17.2	12	35	269	18	35	247	22	218	0
13 D	16	11	823	11	20	114	709	11	21	135.2	11	1	-2.4	137.6	11	27	695	9	55	-117	812	5706	2
14	6	22	877	22	24	703	174	14	30	70.5	6	31	41.8	28.7	1	43	318	6	24	131	187	1328	1
15	23	51	805	7	24	674	131	7	0	79.3	7	24	37.2	42.1	24	0	304	7	18	125	179	1226	1
16	1	20	855	21	18	687	168	15	58	72.2	22	0	46.5	25.7	1	28	366	10	46	197	169	1215	1
17	1	42	1009	10	7	524	485	12	25	76.5	22	24	44.5	32.0	1	31	403	10	42	44	359	2741	1
18	2	39	795	8	53	555	240	9	2	73.3	7	10	47.5	25.8	23	50	314	8	45	44	270	1903	1
19 Q	23	48	779	18	47	703	76	15	27	68.4	20	45	48.1	20.3	0	0	298	9	18	204	94	653	0
20 D	21	13	997	16	48	559	438	13	56	83.4	7	58	37.4	46.0	21	4	465	9	29	143	322	2462	1
21	2	18	1014	20	19	702	312	15	43	69.2	2	37	40.8	28.4	0	10	385	5	16	195	190	1523	1
22	1	38	820	10	37	383	437	16	37	80.8	11	28	25.6	55.2	22	52	318	10	33	-215	533	3711	2
23	0	30	775	18	17	680	95	16	15	73.7	21	52	43.0	30.7	1	0	303	12	26	222	81	601	0
24	4	18	815	7	49	446	369	8	4	77.7	8	34	32.8	44.9	22	0	287	8	27	0	287	2168	1
25	1	35	867	11	23	510	357	5	30	72.3	5	42	39.9	32.4	1	15	345	11	14	99	246	1911	1
26 Q	0	54	820	20	22	697	123	15	39	69.5	21	58	50.3	19.2	0	25	311	9	13	206	105	779	0
27 D	8	8	920	18	13	636	284	15	22	93.8	7	39	40.9	52.9	21	15	388	12	0	161	227	1705	1
28	0	28	842	10	4	174	668	10	29	85.1	10	7	37.0	48.1	0	36	346	10	3	-197	543	4063	2
29	1	7	870	11	32	676	194	17	24	69.8	11	22	46.3	23.5	2	4	306	11	31	131	175	1284	1
30	23	58	798	9	9	680	118	18	25	68.8	23	55	45.8	23.0	4	30	261	7	38	157	104	766	1
31																							
Mean			976			550	426			77.5			37.7	39.8			377			117	260	1949	0.93
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 199. Meanook. (H.) 12,000 γ + July, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	790	753	753	752	740	758	745	728	735	715	718	729	728	658	684	749	741	732	730	721	719	740	740	739	733
2	740	764	777	775	744	741	743	738	738	742	725	743	744	739	729	713	729	744	729	734	747	750	772	782	745
3 Q	791	785	776	769	764	728	665	562	653	645	718	748	748	748	749	742	739	739	732	728	739	757	785	802	734
4	793	773	765	757	741	740	745	748	748	749	750	753	758	761	756	748	741	737	732	736	722	720	726	736	747
5	759	754	751	750	759	755	742	747	752	718	737	748	747	744	743	778	771	755	747	734	726	738	747	765	749
6	758	740	747	742	744	747	748	748	752	757	770	617	410	394	476	646	641	685	689	692	744	760	779	803	691
7	893	932	943	765	756	827	701	692	804	734	759	744	734	766	766	754	731	705	693	712	727	717	730	729	763
8 Q	741	750	751	751	745	744	751	754	755	747	745	754	764	779	782	779	773	762	736	721	725	723	726	755	750
9	754	754	772	752	777	755	751	745	751	758	752	767	747	751	788	796	769	773	754	740	742	752	794	861	765
10	935	1037	1002	1035	994	840	750	722	719	718	727	736	740	744	746	751	755	751	738	722	703	699	700	708	790
11	721	731	739	741	734	744	746	746	745	754	755	726	710	748	756	745	737	731	726	709	703	741	788	731	742
12	847	801	742	714	715	719	725	727	729	732	738	742	754	753	753	742	732	718	714	715	712	710	717	728	737
13	735	735	736	735	735	737	738	747	747	747	732	736	735	750	762	759	756	741	745	741	742	750	801	713	744
14 D	752	769	766	772	845	806	815	730	455	363	554	498	418	331	243	345	463	531	660	689	748	779	732	724	616
15	718	790	792	758	735	770	728	750	742	737	710	711	755	751	738	712	714	750	723	729	722	684	730	707	736
16	715	742	743	748	740	739	738	738	738	720	738	740	734	696	691	705	731	714	735	724	712	703	720	739	727
17	738	767	735	727	747	777	787	753	750	748	750	753	758	765	767	762	758	751	747	740	728	721	703	726	748
18	733	746	746	739	744	744	744	745	745	745	747	752	755	763	767	767	765	762	735	723	721	727	739	742	746
19 D	766	762	758	749	747	756	759	755	755	751	747	749	750	716	783	754	736	711	712	710	735	744	763	746	746
20 D	783	757	743	848	852	742	749	700	680	732	743	757	768	774	772	759	739	720	697	701	700	707	705	721	744
21	730	731	745	748	734	746	744	753	727	637	744	707	614	759	779	783	772	740	741	735	736	765	779	772	738
22 D	798	902	963	889	765	657	607	432	341	376	467	509	411	579	621	679	697	713	729	728	751	897	977	802	679
23	748	792	747	744	731	813	746	700	685	633	589	600	676	679	749	719	703	693	678	680	714	703	723	812	711
24 D	1023	1153	1026	758	750	849	756	391	335	297	175	308	256	516	665	716	745	732	693	702	704	725	734	876	662
25	1019	777	749	787	802	752	733	727	719	682	711	706	674	722	621	599	685	717	722	728	764	747	745	789	736
26	793	797	744	765	737	749	744	700	545	709	675	650	700	686	600	660	721	742	729	727	710	709	717	733	710
27 Q	751	754	732	728	727	732	736	735	734	728	717	736	747	758	761	754	732	728	714	706	704	704	722	742	732
28 Q	723	738	736	739	743	742	738	738	738	741	737	740	743	745	744	727	715	708	703	701	703	701	708	721	728
29 Q	740	745	736	736	734	739	738	736	740	741	738	739	746	747	753	750	723	708	705	721	720	700	718	754	734
30	755	744	736	732	737	738	743	739	732	740	741	746	759	780	782	765	756	745	730	722	701	704	714	728	740
31	736	739	739	740	743	745	748	743	747	753	756	758	752	767	780	766	756	721	702	715	725	738	750	773	746
Mean	783	791	780	766	760	756	739	709	695	689	699	700	688	705	713	723	727	724	720	719	724	733	748	760	731

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 200. Meanook. (D.) East 25° + . . . ′ July, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	49.3	52.0	52.6	52.6	53.6	54.7	66.4	61.9	58.2	54.5	57.1	56.1	58.5	60.7	61.0	67.3	68.8	67.2	65.1	64.4	57.1	55.1	52.4	51.7	58.3
2	52.7	52.2	54.6	54.6	55.3	55.8	58.5	56.3	55.8	55.6	54.3	58.0	61.1	64.0	66.5	65.2	65.3	64.0	60.7	57.5	56.2	53.7	51.6	50.7	57.5
3 Q	49.8	50.2	50.0	50.9	55.0	55.3	57.0	41.8	62.9	56.4	56.3	59.2	62.2	67.9	69.0	69.3	66.6	64.0	60.5	56.4	54.1	49.8	49.5	50.0	56.8
4	52.0	53.7	54.8	54.9	54.6	54.8	55.7	56.0	55.5	57.3	58.2	60.4	63.2	65.2	67.5	68.8	68.0	64.0	60.3	55.3	52.0	49.6	49.1	48.7	57.5
5	49.2	51.3	56.0	57.3	57.5	57.8	56.9	55.7	55.9	50.8	58.7	59.3	63.3	63.9	68.5	69.1	70.2	67.1	60.1	55.4	50.5	47.9	45.9	46.7	57.3
6	50.0	54.4	55.6	55.7	56.2	56.3	56.0	56.0	56.0	54.7	53.8	57.4	78.0	71.3	72.1	76.1	63.6	55.8	55.5	57.3	54.1	56.6	55.6	54.8	58.9
7	52.5	51.2	47.2	56.1	54.7	53.8	58.6	49.4	52.1	58.6	57.9	59.4	65.8	70.0	69.3	68.6	68.5	67.2	61.9	57.8	51.2	50.5	50.5	51.5	57.7
8 Q	53.5	55.0	56.0	56.2	56.8	56.4	56.0	55.0	57.5	57.6	56.1	55.8	63.1	68.1	70.2	71.6	70.4	65.0	62.4	60.0	54.9	51.2	50.0	52.8	58.8
9	56.3	58.3	59.0	58.4	61.1	58.6	57.1	55.0	54.2	51.8	54.4	54.6	61.2	66.3	65.9	68.9	67.8	66.5	60.9	56.2	53.3	53.2	53.6	56.8	58.7
10	56.4	61.6	51.1	39.0	12.2	57.5	59.3	55.7	55.4	55.2	55.1	55.3	57.6	61.2	65.1	68.7	69.8	68.4	63.8	56.4	52.3	49.3	49.2	51.2	55.3
11	53.4	55.9	57.5	57.1	56.5	56.7	56.4	56.4	58.3	55.4	52.4	54.4	62.5	69.0	72.1	72.0	66.8	64.8	60.1	57.8	50.9	47.7	48.4	49.6	58.0
12	53.5	57.1	53.7	54.9	56.2	56.8	57.3	56.1	55.6	55.6	55.3	56.4	59.9	65.6	60.0	72.1	70.9	66.9	61.3	54.4	49.1	47.0	47.7	49.7	57.6
13	53.9	56.0	55.8	56.8	56.6	56.6	56.8	56.5	55.7	55.8	58.5	61.5	64.2	66.4	64.9	66.4	67.6	66.1	60.8	55.9	51.1	52.8	52.1	49.9	58.3
14 D	49.4	53.1	58.3	62.6	54.4	56.9	52.9	57.0	60.2	51.8	60.1	64.5	78.1	81.7	99.9	90.3	86.0	76.0	66.6	54.2	46.9	53.4	52.0	54.4	63.4
15	55.3	58.1	57.7	55.1	53.8	60.8	70.9	56.2	54.1	53.1	54.9	61.3	62.0	67.1	68.8	70.0	66.4	58.6	61.8	53.5	52.2	48.2	52.8	52.6	58.6
16	54.9	55.7	58.2	59.0	55.0	55.9	54.4	55.5	55.3	56.3	57.8	57.9	58.1	60.6	64.5	66.3	68.2	69.3	58.0	54.2	49.5	43.7	45.2	46.7	56.7
17	51.0	53.7	56.0	55.6	55.4	54.1	56.9	56.3	52.7	55.2	57.2	59.3	61.7	65.3	65.5	65.8	68.5	65.8	62.8	57.6	54.0	49.4	47.0	47.4	57.2
18	49.7	51.9	53.3	54.1	53.5	53.9	54.4	55.5	56.0	56.3	57.3	59.2	62.3	66.7	68.0	67.8	66.4	61.5	58.1	51.9	44.1	45.8	46.6	47.8	55.9
19 D	50.7	54.1	54.0	54.0	54.0	54.0	55.5	52.8	56.7	58.2	60.8	60.9	62.6	63.1	73.1	77.3	83.2	84.2	68.6	64.8	37.3	37.3	41.2	42.6	58.4
20 D	44.4	50.8	51.5	44.5	67.1	54.4	48.7	48.1	52.2	54.6	55.5	58.4	63.2	65.9	68.0	68.0	65.3	63.2	58.3	51.8	48.7	46.7	46.8	49.7	55.2
21	52.5	54.5	55.7	55.6	55.7	56.0	55.6	54.2	54.9	57.7	56.4	54.8	65.2	70.6	72.5	70.8	67.2	63.9	60.5	53.8	50.5	50.7	51.8	53.2	58.1
22 D	52.0	47.3	46.3	48.2	55.9	50.5	58.9	32.7	58.7	64.5	62.6	66.4	63.5	68.7	71.8	71.7	68.0	65.0	61.2	58.0	54.7	57.6	56.8	48.0	57.9
23	47.2	46.6	52.0	52.2	52.0	55.6	57.9	55.6	51.2	54.5	56.5	58.2	64.5	68.2	70.8	76.1	77.2	72.9	74.0	44.5	48.8	47.4	46.6	44.9	57.3
24 D	45.6	42.2	33.3	40.0	43.1	40.8	48.2	43.5	71.0	67.4	74.2	64.2	89.5	69.9	68.7	74.2	77.3	76.9	71.9	53.7	50.2	47.4	47.5	46.5	57.8
25	54.0	58.1	55.3	52.4	77.2	60.5	53.3	53.5	52.1	58.2	62.7	57.1	57.1	66.3	67.7	69.1	73.6	71.2	63.8	65.4	61.0	55.7	53.5	54.3	60.5
26	48.6	53.6	55.3	60.0	65.1	59.6	57.5	58.8	54.8	56.0	53.0	62.4	67.0	64.7	62.0	67.8	70.6	68.5	64.9	58.3	53.4	50.4	50.4	52.3	59.0
27 Q	52.8	55.0	57.1	57.0	56.3	55.8	55.6	55.4	55.3	57.0	57.1	60.0	63.0	63.8	65.7	65.9	68.4	65.2	61.6	53.2	50.6	49.1	48.9	49.5	57.5
28 Q	52.7	55.2	56.3	55.5	55.2	56.7	57.9	54.6	54.6	55.5	56.3	58.2	61.2	63.2	66.2	67.4	65.8	62.2	58.0	52.7	50.6	48.2	49.1	52.2	56.9
29 Q	55.0	55.5	56.8	56.7	56.5	56.6	55.8	57.2	56.5	55.4	56.6	58.7	61.1	62.2	64.4	65.0	64.5	66.3	61.1	58.7	55.2	50.6	49.7	49.7	57.7
30	51.7	53.9	55.7	55.6	55.4	55.4	53.8	54.8	55.4	57.6	58.2	60.0	61.7	63.6	66.3	67.0	68.1	65.9	62.4	55.6	50.3	47.8	48.0	50.6	57.3
31	52.0	55.8	56.3	55.3	54.7	54.8	54.8	55.8	55.4	54.5	55.1	57.2	61.3	65.9	67.1	67.9	71.1	66.5	59.6	53.1	50.1	49.3	50.5	52.6	57.4
Mean	51.7	53.7	54.0	54.1	55.0	55.6	56.6	53.8	56.1	56.2	57.4	58.9	64.0	66.4	68.8	70.1	69.7	66.8	62.1	56.1	51.4	49.8	49.7	50.3	57.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 201. Meanook. (Z.) 59,000 γ + July, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	257	256	255	254	247	262	237	217	223	189	190	222	227	140	168	231	244	235	231	236	249	260	259	256	231
2	254	270	268	247	242	242	229	226	231	232	211	228	248	235	229	210	218	228	230	245	264	277	278	285	243
3 Q	287	294	303	260	251	226	204	64	148	222	224	226	230	232	234	234	233	234	232	230	228	227	223	221	228
4	227	235	234	230	217	218	217	218	223	222	225	224	222	217	215	211	211	211	212	214	214	213	215	217	219
5	215	214	216	223	232	245	235	226	217	140	162	175	184	201	174	188	199	198	203	206	213	216	217	219	205
6	221	222	221	216	217	219	223	222	226	220	196	75	-48	101	17	159	125	168	220	241	258	285	310	362	195
7	394	401	386	340	297	286	193	270	264	212	231	234	230	247	249	238	224	214	205	217	239	249	258	259	264
8 Q	222	223	224	225	234	234	236	233	222	205	194	222	237	244	236	217	208	213	212	217	230	234	236	246	225
9	240	234	246	245	258	255	243	229	227	222	191	215	187	186	212	225	211	204	203	205	216	240	273	341	230
10	384	368	334	291	233	242	264	245	232	229	237	238	238	241	247	249	244	236	231	227	222	221	221	225	254
11	230	240	235	225	218	222	221	222	212	198	205	192	145	170	166	155	155	185	196	205	217	247	293	335	212
12	358	302	273	249	231	222	214	208	206	215	215	218	226	226	227	225	216	203	198	194	195	196	198	200	226
13	200	210	210	208	207	206	206	209	210	211	213	214	200	194	196	198	202	199	210	212	217	227	258	252	211
14 D	235	211	220	240	288	264	263	205	139	103	104	122	109	91	23	159	176	144	242	275	276	239	231	234	191
15	284	300	292	265	236	225	120	219	211	224	179	171	218	236	243	217	199	227	235	262	267	261	279	265	235
16	264	282	288	281	267	265	265	266	258	235	254	265	268	243	221	212	232	243	253	255	263	257	264	280	258
17	282	287	283	275	270	276	275	280	262	259	259	267	268	267	265	257	256	254	248	241	233	235	241	258	262
18	258	260	256	250	248	248	247	250	252	252	252	254	259	260	261	260	249	240	235	240	239	244	242	243	250
19 D	246	246	245	244	243	253	260	240	244	247	236	241	244	204	233	223	229	227	202	213	250	276	265	268	241
20 D	318	305	279	282	262	255	231	200	207	228	249	261	269	267	266	264	264	258	252	246	248	252	253	256	257
21	259	261	258	254	252	256	253	249	219	143	220	198	161	224	244	247	249	248	256	262	271	279	293	312	244
22 D	347	386	331	237	221	204	271	244	363	392	265	235	132	89	92	154	216	241	252	273	307	396	366	323	264
23	299	318	331	338	307	308	230	262	225	171	227	213	224	225	248	266	252	241	253	273	266	259	260	306	262
24 D	366	247	269	87	270	211	200	258	218	162	266	248	185	88	161	237	260	253	248	270	278	285	274	319	236
25	364	274	280	316	270	266	270	243	221	175	174	209	168	220	128	122	187	224	245	284	319	307	306	330	246
26	317	302	263	252	206	252	267	159	107	203	157	137	199	198	135	189	240	254	255	257	249	251	251	257	223
27 Q	258	262	251	244	245	246	246	248	231	200	216	242	251	250	244	240	239	240	237	233	243	244	256	264	243
28 Q	261	253	237	236	237	244	242	240	216	240	241	240	246	245	245	235	225	224	222	221	226	236	245	247	238
29 Q	240	249	242	235	232	231	234	231	227	220	236	241	245	244	242	245	241	230	225	228	242	245	251	263	238
30	266	245	221	219	219	220	224	228	198	230	237	237	237	236	225	222	217	213	214	221	219	226	233	239	227
31	259	250	236	233	233	235	235	235	234	235	236	234	221	226	230	231	239	240	239	239	241	246	253	265	238
Mean	278	271	264	248	245	243	234	227	222	214	216	216	207	208	202	217	221	224	229	237	245	252	258	269	235

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 202 Meanook — July, 1937.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	0	39	808	13	58	545	263	6	25	73.5	0	5	46.3	27.2	6	11	283	13	55	34	249	1808	1
2	3	1	814	10	28	709	105	16	2	67.4	3	9	47.2	20.2	22	50	290	10	44	192	98	713	1
3 Q	1	16	804	8	9	435	369	15	25	70.5	7	49	36.4	34.1	2	54	313	7	55	20	293	2204	1
4	0	40	798	20	58	715	83	15	40	69.6	23	15	48.0	21.6	3	35	238	22	0	209	29	277	0
5	3	13	812	9	51	624	188	16	52	75.0	9	45	42.0	33.0	5	42	262	9	53	27	235	1630	1
6	23	50	869	12	28	222	647	13	8	96.8	13	17	32.7	64.1	23	50	392	13	3	-151	543	4037	2
7	2	11	1001	7	4	441	560	6	22	80.0	2	18	28.8	51.2	2	32	434	6	51	117	317	2588	1
8 Q	14	54	795	22	13	710	85	16	32	73.2	21	58	49.5	23.7	13	48	250	9	58	177	73	540	0
9	23	42	895	12	57	701	194	15	1	75.8	11	46	48.5	27.3	23	58	380	12	57	156	224	1574	1
10	3	53	1114	22	6	692	422	1	9	75.5	4	22	-33.5	109.0	1	12	428	4	1	117	311	2376	2
11	23	41	854	12	2	680	174	14	52	76.8	20	58	35.9	40.9	24	0	369	16	4	131	238	1513	1
12	0	32	879	21	12	707	172	15	28	72.7	21	49	46.9	25.8	0	10	374	21	17	192	182	1295	0
13	22	45	846	23	18	700	146	16	25	68.5	23	52	48.4	20.1	22	42	272	13	30	188	84	684	1
14 D	4	43	887	8	56	100	787	14	38	138.2	8	58	15.8	122.4	4	36	318	8	57	-139	457	3703	2
15	6	9	812	20	54	670	142	6	10	87.1	21	0	46.0	41.1	2	8	311	6	34	31	280	1838	1
16	3	9	758	15	15	658	100	17	7	74.5	21	37	42.9	31.6	2	35	292	15	20	194	98	707	1
17	6	37	809	22	50	689	120	16	40	70.5	22	20	45.7	24.8	1	33	303	20	19	229	74	590	0
18	23	35	786	21	7	709	77	14	10	69.0	20	9	42.7	26.3	15	0	262	18	21	230	32	287	0
19 D	20	45	795	13	34	670	125	16	38	89.4	20	27	32.6	56.8	24	0	295	13	38	169	126	903	1
20 D	4	3	1069	8	11	652	417	4	34	86.2	6	52	37.4	48.8	4	30	327	7	33	182	145	1388	1
21	22	12	805	12	2	436	369	14	45	73.9	11	21	45.3	28.6	24	0	325	9	26	-18	343	1500	1
22 D	22	12	994	7	42	-399	1393	8	21	109.4	7	51	4.3	105.1	7	31	579	8	4	-336	915	7186	2
23	5	48	921	11	11	521	400	16	44	83.3	8	17	33.3	50.0	5	34	343	11	47	97	246	1964	2
24 D	0	51	1201	10	59	26	1175	12	38	205.4	3	38	-23.3	228.7	11	3	601	3	33	-203	804	6254	2
25	10	37	1046	14	49	501	545	4	27	98.1	9	17	48.7	49.4	4	3	404	15	3	33	371	2888	2
26	7	38	813	8	8	563	250	16	31	72.5	8	10	41.7	30.8	1	27	350	8	8	-28	378	2556	1
27 Q	14	40	763	21	0	703	60	16	34	71.2	23	52	48.3	22.9	23	50	270	9	14	188	82	562	0
28 Q	14	5	753	21	22	697	56	15	12	68.6	21	43	46.9	21.7	12	10	248	8	30	186	62	437	0
29 Q	15	14	756	21	9	689	67	17	28	68.6	22	13	49.3	19.3	23	33	271	8	52	221	50	381	0
30	13	8	800	21	13	692	108	16	8	70.5	21	37	46.7	23.8	0	12	274	8	36	152	122	860	1
31	14	4	785	18	8	684	101	16	37	74.2	21	17	48.2	26.0	23	50	271	12	50	218	53	441	1
Mean			866			553	313			83.4			36.4	47.0			333			91	242	1827	0.97
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 203. Meanook. (H.) 12,000 γ + August, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	787	743	746	743	748	739	741	753	752	763	739	769	764	771	776	763	739	726	728	726	737	741	756	810	752
2 D	777	733	793	906	862	786	329	384	547	612	601	679	617	563	449	650	716	729	742	753	730	704	716	716	670
3 D	730	746	757	770	764	746	723	740	727	712	654	652	705	728	727	748	726	705	684	691	711	742	744	925	732
4 D	941	1179	1012	985	1002	884	693	423	467	493	685	709	717	719	687	734	752	720	698	690	696	700	722	739	752
5	778	736	723	720	721	732	727	723	729	733	734	739	749	755	756	747	725	676	679	661	679	694	721	741	724
6	750	752	747	736	738	733	737	739	730	723	716	671	696	723	754	738	704	677	666	682	699	704	716	731	719
7	739	784	725	739	757	748	718	730	729	696	716	691	746	766	779	760	721	698	698	692	696	710	730	740	730
8	761	753	745	743	741	739	735	736	736	740	743	737	737	745	760	750	734	715	698	697	690	693	710	718	732
9	734	740	742	743	741	742	737	732	737	725	741	738	741	739	751	745	703	673	671	685	702	721	725	728	726
10	732	735	748	744	746	746	743	747	742	741	740	743	735	732	738	719	689	679	680	684	715	724	737	739	728
11	737	732	743	742	744	748	742	740	747	752	753	750	750	755	759	744	724	697	698	706	725	731	743	733	737
12	730	733	743	747	755	754	751	753	753	747	753	754	759	762	753	738	730	722	719	716	733	733	735	741	742
13 Q	747	752	753	763	751	745	748	750	751	747	751	756	761	765	756	747	736	730	721	715	721	729	731	734	744
14	731	751	743	745	751	753	742	755	751	752	750	747	749	751	749	746	739	728	724	723	717	716	734	725	740
15	774	767	752	752	772	796	732	750	739	720	695	696	741	771	777	769	747	728	716	712	711	708	715	728	740
16 Q	738	726	736	739	749	745	743	743	743	740	723	744	746	746	750	747	737	728	721	714	723	726	723	722	736
17	724	735	737	741	748	747	746	741	743	745	747	719	748	750	744	730	735	734	737	740	735	728	743	752	740
18	756	748	737	743	743	749	748	742	744	746	748	753	755	770	760	755	740	719	714	714	718	720	733	742	742
19	748	759	747	738	739	745	747	755	750	757	760	761	764	765	757	747	728	712	705	702	704	709	725	717	739
20	736	746	747	744	746	750	752	755	750	753	752	757	765	768	764	758	743	723	702	704	705	715	728	747	742
21	762	743	737	744	749	764	773	750	748	749	741	732	740	749	761	749	729	711	697	695	711	735	717	739	738
22 D	741	743	749	767	824	631	736	720	439	-31	462	629	586	688	752	707	690	658	662	661	678	697	708	718	651
23	715	705	714	710	707	706	702	704	707	712	716	716	715	719	717	712	699	687	675	681	692	699	707	704	705
24 Q	706	706	711	715	719	719	720	720	722	725	725	727	725	724	722	708	696	677	683	689	698	706	713	720	712
25 Q	721	725	728	729	735	728	733	731	734	733	733	732	738	746	736	723	706	689	684	685	696	718	734	742	723
26	751	733	749	742	739	740	744	749	748	746	760	756	747	729	735	753	733	713	706	711	717	713	720	718	736
27 D	733	731	738	756	767	722	735	749	741	738	742	730	739	752	720	638	599	682	683	680	698	741	769	840	726
28	794	755	715	722	723	734	735	717	743	686	507	322	464	739	768	738	735	729	720	712	699	704	724	703	691
29	729	753	777	782	753	736	734	735	739	675	716	750	749	756	751	752	736	725	730	727	727	729	736	733	739
30 Q	746	746	745	747	743	741	734	732	737	738	740	743	743	747	750	742	721	705	702	702	706	711	716	724	732
31	729	730	740	742	740	739	744	746	748	755	757	754	764	764	766	752	734	711	701	703	709	718	734	745	738
Mean	751	755	751	756	759	745	723	718	715	698	713	715	724	740	739	736	721	707	701	702	709	717	728	742	728

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 204. Meanook. (D.) East 25° + . . . ′ August, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	55.7	57.5	55.8	54.8	55.1	53.8	55.6	55.0	54.0	52.6	53.6	58.0	57.1	61.2	62.5	62.7	62.6	60.9	52.1	50.9	45.4	47.0	49.5	54.0	55.3
2 D	55.5	56.2	56.8	49.8	22.9	33.6	28.3	55.1	48.4	52.2	58.9	54.9	71.1	73.8	81.4	66.3	77.5	70.3	62.3	58.6	54.9	50.9	51.2	53.3	56.0
3 D	55.1	57.1	56.0	54.9	56.9	60.0	62.8	59.5	59.0	58.7	56.5	58.2	62.4	68.2	71.4	72.8	70.4	64.2	59.2	55.9	55.6	51.6	50.1	55.9	59.7
4 D	48.8	54.8	46.1	35.6	38.7	51.1	53.8	74.4	39.8	41.9	53.4	55.3	61.0	65.8	69.8	74.8	67.9	62.4	57.0	52.2	53.2	51.1	52.4	57.3	54.9
5	60.0	60.9	60.3	57.9	57.9	58.1	57.9	57.3	57.2	57.1	56.1	54.4	63.4	67.6	70.3	71.6	71.2	71.1	64.0	54.9	50.5	50.6	53.8	55.9	60.0
6	56.4	59.9	55.3	54.5	57.4	56.4	57.0	60.8	58.5	54.6	56.0	60.4	63.2	66.8	71.6	70.1	70.8	67.6	63.0	59.3	53.4	45.9	46.9	47.8	58.9
7	49.4	50.5	57.6	55.4	55.3	68.9	71.2	61.8	56.0	55.6	56.7	59.5	65.9	68.9	71.9	71.9	72.1	68.7	62.2	56.0	51.0	47.8	48.7	51.7	59.8
8	56.4	60.0	60.5	60.1	63.8	59.7	59.9	58.6	56.7	54.0	52.2	52.9	57.5	65.2	69.6	68.8	69.7	67.2	61.7	56.1	53.5	50.8	51.1	53.9	59.2
9	55.8	56.4	56.0	55.9	55.7	57.3	55.0	55.1	56.7	55.7	56.2	59.3	60.5	63.1	70.0	70.6	72.9	66.6	62.1	55.9	51.1	50.9	52.5	54.9	58.6
10	56.9	57.4	58.3	58.2	56.9	53.9	61.3	56.9	56.6	55.5	54.8	57.3	62.4	69.2	70.3	67.8	65.0	63.4	60.7	51.0	47.4	48.8	52.0	54.4	58.2
11	56.9	57.5	57.8	57.4	56.9	56.6	56.3	56.7	56.5	57.4	56.4	58.2	64.5	69.1	69.9	69.3	69.5	66.3	58.7	53.1	47.9	47.5	49.9	51.7	58.4
12	54.3	54.2	53.3	53.9	53.5	55.1	59.2	56.2	58.1	56.9	59.6	62.3	65.0	66.7	68.3	69.5	68.6	64.6	59.9	54.1	52.2	50.9	49.6	49.1	58.1
13 Q	50.5	50.9	51.4	52.3	52.6	54.2	54.9	54.6	56.8	58.1	59.3	60.3	62.5	63.0	63.5	65.6	66.7	66.3	63.1	57.9	52.9	51.2	50.2	49.7	57.0
14	51.9	52.3	53.9	54.9	55.0	53.9	54.4	62.6	62.7	59.0	57.8	59.1	61.6	63.4	65.3	68.3	68.8	65.4	61.6	57.6	55.9	51.7	49.4	50.0	58.2
15	46.8	50.0	49.2	52.7	52.3	57.5	59.1	53.5	59.5	58.7	57.7	61.0	65.3	63.3	66.3	67.7	65.2	62.1	58.3	56.5	53.5	53.2	54.0	54.8	57.4
16 Q	55.5	56.7	56.5	56.0	56.2	54.9	54.8	55.3	57.1	57.5	60.0	62.0	63.2	65.9	67.4	68.7	68.6	65.1	59.0	55.0	54.8	56.7	55.7	54.9	59.1
17	54.8	53.9	54.3	55.2	53.7	51.1	52.9	55.2	55.7	55.3	54.2	56.6	61.2	62.3	63.8	64.1	63.0	59.6	54.9	53.4	53.8	53.5	54.0	54.6	56.3
18	54.8	54.8	56.4	55.0	55.0	54.8	55.9	57.2	56.7	57.8	58.9	58.8	60.8	63.7	65.7	67.7	68.5	67.9	64.1	59.5	54.0	52.8	53.0	55.6	58.7
19	57.4	57.7	56.8	55.0	55.0	55.2	55.3	55.3	58.1	58.8	57.7	57.4	59.6	62.4	65.8	70.2	70.4	63.7	61.6	57.6	54.1	52.6	51.4	51.5	58.4
20	53.6	51.7	48.0	47.3	47.4	48.4	51.1	55.9	61.5	67.8	70.9	71.0	68.0	63.6	59.7	57.9	56.7	57.6	57.5	60.2	56.6	55.8	55.6	55.2	57.4
21	55.1	53.2	50.3	52.1	54.7	55.1	56.8	56.6	55.8	55.9	55.9	56.9	60.9	66.9	68.6	68.4	68.7	64.6	58.2	55.0	52.7	51.4	50.5	51.6	57.3
22 D	54.0	55.2	54.5	50.4	39.1	62.0	42.4	38.5	45.6	117.3	73.5	79.7	87.9	85.8	78.8	87.1	85.2	77.2	66.3	59.4	56.9	53.3	53.4	54.8	64.9
23	57.9	59.6	57.5	55.6	55.7	56.8	58.1	57.9	59.2	60.0	60.3	62.2	64.6	68.9	70.9	71.0	69.1	66.5	62.1	55.3	50.7	49.8	51.9	55.6	59.9
24 Q	57.6	57.6	56.6	56.5	56.5	57.0	57.2	58.5	58.8	59.2	59.0	60.4	62.8	65.4	68.5	70.5	68.7	63.1	55.7	50.4	49.9	51.4	53.7	56.3	58.8
25 Q	57.9	56.6	56.5	56.9	56.5	62.6	57.6	57.6	56.6	57.7	59.1	60.5	63.4	67.8	70.8	71.6	69.9	65.7	60.3	54.5	51.3	51.1	51.2	52.5	59.4
26	53.8	55.4	53.9	53.8	55.3	55.7	56.1	56.7	57.4	58.7	58.8	58.5	61.1	64.8	70.0	70.7	72.3	68.8	62.4	52.6	48.8	48.8	52.1	54.7	58.4
27 D	56.1	56.2	55.4	54.0	59.4	64.1	59.6	60.0	58.5	59.6	58.1	59.5	65.0	66.3	66.2	67.4	61.3	59.6	63.3	57.1	58.3	56.0	54.4	60.3	59.8
28	58.7	53.8	57.8	57.4	57.5	59.7	58.0	63.1	59.7	59.7	71.8	79.5	60.8	67.5	65.2	67.4	66.8	63.7	60.8	59.0	56.1	53.6	52.3	52.6	60.9
29	53.1	57.5	57.1	53.4	68.1	59.5	57.6	57.3	58.5	61.4	59.4	56.6	57.7	60.7	64.0	67.6	68.1	66.5	62.7	58.0	56.0	54.1	54.2	55.4	59.4
30 Q	56.3	57.1	58.2	58.0	58.2	56.1	57.1	57.2	59.1	59.0	58.6	58.8	61.4	63.7	64.9	66.6	67.5	65.4	61.8	58.9	57.2	56.1	56.4	56.4	59.6
31	56.5	56.5	55.5	56.1	56.4	57.2	56.8	56.9	58.4	58.7	57.3	58.0	60.7	62.7	66.3	67.2	67.1	64.2	60.5	58.1	56.3	56.1	56.8	56.5	59.0
Mean	54.9	55.8	55.3	54.2	54.0	56.1	55.9	57.3	56.6	59.1	58.7	60.2	63.3	66.2	68.3	69.1	68.7	65.4	60.6	55.9	53.1	51.7	52.2	54.0	58.6

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 205. Meanook. (Z.) 59,000 γ + August, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	291	268	248	243	241	241	241	239	235	232	172	223	232	236	248	224	199	207	222	231	243	252	266	288	238
2 D	302	279	293	346	270	283	- 9	318	357	367	327	256	161	138	101	185	203	242	265	279	266	270	276	281	252
3 D	284	282	287	291	285	272	228	252	235	234	211	150	191	239	256	251	250	242	238	242	256	282	312	368	256
4 D	388	232	301	365	282	276	245	41	208	219	209	228	243	248	240	271	274	268	261	254	254	256	260	268	254
5	294	289	257	252	251	257	254	249	250	252	257	267	273	267	260	253	254	245	249	245	249	262	285	308	262
6	319	295	290	272	257	248	251	237	215	208	177	149	194	239	256	250	248	250	257	272	291	282	264	257	249
7	264	285	262	259	267	256	202	222	239	166	165	165	247	265	264	261	249	248	259	264	268	272	277	293	247
8	304	293	279	275	283	272	258	249	242	219	248	257	262	259	260	257	254	257	254	257	258	261	268	262	262
9	272	254	252	250	249	250	249	248	249	212	246	254	253	241	257	258	256	251	243	246	253	259	261	265	251
10	269	270	266	260	257	247	238	261	247	236	213	241	243	221	231	239	238	248	254	262	262	258	249	253	248
11	260	260	257	252	250	250	250	249	242	236	241	243	251	251	246	244	244	243	242	241	243	246	245	247	247
12	240	241	243	250	252	260	266	265	260	248	239	251	261	259	254	250	245	245	245	247	247	246	248	252	250
13 Q	260	262	265	267	281	266	259	260	261	258	254	260	259	260	257	256	257	252	253	252	258	261	262	259	260
14	261	267	270	263	257	259	229	257	245	244	244	246	249	244	241	240	241	237	233	233	231	231	242	244	246
15	261	281	313	302	317	246	245	287	274	242	211	191	226	268	269	262	255	261	262	267	272	265	272	278	264
16 Q	277	267	266	261	261	261	258	257	255	234	183	231	251	249	243	244	245	241	239	239	239	242	246	252	248
17	253	256	257	255	245	264	269	263	254	252	247	176	238	252	252	241	237	239	251	258	259	263	270	278	251
18	284	279	261	246	241	244	251	256	247	242	241	243	244	250	247	240	243	245	253	256	260	258	257	251	252
19	252	262	262	258	257	253	252	250	249	245	245	245	250	246	240	233	238	231	232	239	251	263	286	277	251
20	263	267	286	277	266	261	248	242	239	240	244	242	241	243	243	232	232	239	242	227	247	244	241	243	248
21	248	261	283	282	282	304	301	259	243	239	238	220	241	257	263	263	260	251	249	249	252	262	258	257	259
22 D	256	250	250	250	228	156	323	314	600	615	633	528	354	313	301	300	287	283	274	284	301	287	291	298	332
23	302	293	279	271	270	276	274	273	274	273	273	273	272	275	272	271	270	267	260	256	262	268	270	263	272
24 Q	267	267	268	265	264	262	262	262	261	261	258	262	262	263	260	257	256	256	255	256	260	270	274	272	262
25 Q	272	266	265	262	261	258	256	257	257	258	257	256	259	261	260	257	250	247	248	253	258	260	267	265	259
26	265	262	264	263	263	260	259	260	258	253	258	258	253	243	233	244	253	254	258	265	276	276	283	279	260
27 D	281	280	274	282	225	204	256	287	264	243	244	232	253	256	238	195	173	239	242	262	291	318	340	362	260
28	330	310	294	278	263	272	262	247	260	163	-22	-58	46	217	262	258	269	262	261	263	266	274	291	282	231
29	291	304	310	346	231	282	289	280	266	138	221	255	267	277	267	264	261	265	258	272	264	274	279	281	268
30 Q	283	281	268	267	262	261	260	260	254	244	245	255	256	255	254	250	253	252	254	255	256	258	258	262	258
31	256	257	259	257	256	252	250	250	247	244	245	244	253	251	252	247	247	248	252	254	256	256	257	257	252
Mean	279	272	272	273	260	256	248	253	264	249	239	234	241	250	249	248	246	249	250	254	260	264	270	274	256

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 206 Meanook — August, 1937.

Day	Horizontal Force						Declination							Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range	$\frac{HR_H + ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	23	53	841	17	58	710	131	15	12	67.4	20	43	44.5	22.9	23	51	303	10	41	153	150	1054	1
2 D	3	33	1034	6	43	-408	1442	6	46	126.9	6	57	-117.9	244.8	10	52	485	6	46	-361	846	6841	2
3 D	23	46	991	11	58	571	420	5	51	81.3	22	34	45.3	36.0	23	43	369	11	58	124	245	1983	1
4 D	1	46	1482	8	51	13	1469	7	13	109.3	8	41	-10.7	120.0	0	44	423	7	17	-134	557	5163	2
5	0	53	867	19	27	653	214	15	47	75.3	20	47	48.6	26.7	23	20	312	7	10	248	64	651	1
6	14	8	762	12	0	648	114	14	10	73.2	23	25	41.0	32.2	0	38	327	11	58	144	183	1227	1
7	5	33	797	9	13	662	135	5	45	79.1	21	20	46.9	32.2	23	49	300	9	17	131	169	1173	1
8	0	22	774	21	30	684	90	16	28	70.9	21	51	49.9	21.0	0	25	311	9	34	187	124	848	1
9	14	2	756	18	10	664	92	16	31	76.1	21	0	49.9	26.2	23	40	266	9	33	171	95	679	1
10	5	42	760	17	17	676	84	14	8	71.7	20	40	46.9	24.8	1	45	271	10	3	194	77	563	1
11	23	12	763	18	48	691	72	14	42	70.4	20	44	45.0	25.4	1	0	261	9	45	230	31	275	0
12	1	17	765	19	22	710	55	15	12	70.3	23	20	48.7	21.6	6	56	270	9	36	231	39	301	1
13 Q	3	44	775	19	38	712	63	15	17	68.0	23	0	49.3	18.7	4	21	288	9	58	251	37	299	0
14	22	58	778	21	24	704	74	16	4	70.0	22	50	47.5	22.5	7	33	271	6	43	165	106	722	1
15	5	28	854	10	47	671	183	15	57	70.5	2	7	46.6	23.9	4	43	331	5	53	159	172	1250	1
16 Q	14	52	752	19	48	713	39	15	18	69.5	20	7	53.7	15.8	0	14	279	10	26	169	110	702	0
17	4	24	758	11	23	700	58	15	40	65.5	5	23	47.7	17.8	23	59	283	11	19	144	139	895	1
18	13	26	772	17	57	705	67	16	17	69.5	21	45	52.4	17.1	0	28	287	6	37	238	49	374	0
19	1	47	767	19	35	695	72	16	9	74.7	22	57	50.3	24.4	22	32	290	17	23	228	62	458	1
20	13	52	771	19	58	695	76	11	6	72.2	4	3	46.4	25.8	1	46	280	19	38	193	87	612	1
21	6	28	789	19	12	692	97	15	42	70.7	2	38	49.0	21.7	5	54	330	11	17	200	130	893	1
22 D	6	58	896	9	44	-623	1519	9	23	223.8	5	26	23.8	200.0	9	27	1121	5	17	-33	1154	8761	2
23	13	43	729	18	28	672	57	14	51	72.6	20	52	48.9	23.7	0	12	307	19	13	254	53	386	0
24 Q	13	14	729	17	33	673	56	16	1	70.9	19	55	49.2	21.7	22	2	278	18	50	254	24	213	0
25 Q	23	42	753	19	59	673	80	14	57	72.6	21	30	50.7	21.9	0	10	272	18	18	244	28	268	1
26	10	23	762	18	8	696	66	16	41	73.5	21	13	47.5	26.0	22	26	287	14	25	231	56	416	0
27 D	23	22	874	15	58	567	307	4	38	79.9	4	55	45.2	34.7	23	24	384	4	53	94	290	2107	1
28	0	13	827	11	55	7	820	11	10	97.5	12	1	37.0	60.5	0	1	351	11	7	-134	485	3914	2
29	3	59	816	9	36	593	223	4	7	85.4	3	26	47.7	37.7	3	58	358	9	36	29	329	2229	1
30 Q	14	37	752	18	28	700	52	16	20	67.9	7	7	55.1	12.8	0	45	289	9	30	236	53	381	0
31	12	51	773	18	54	699	74	16	17	68.4	24	0	54.6	13.8	21	50	259	9	6	243	16	189	0
Mean			823			571	252			81.1			40.0	41.1			337			145	192	1477	0.84
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 207. Meanook. (H.) 12,000 γ + September, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	756	745	744	744	747	747	751	754	747	743	747	750	743	742	749	715	724	703	697	697	714	746	756	793	740
2	744	737	746	753	748	741	739	740	745	745	748	748	746	746	741	733	710	685	682	686	693	704	721	728	730
3 Q	732	737	739	736	737	738	741	738	728	688	743	744	746	748	749	744	720	705	697	698	703	718	735	746	730
4	734	746	749	758	774	797	765	745	744	746	751	752	753	752	737	731	726	723	699	698	706	724	735	731	741
5	781	774	803	767	744	733	740	727	735	753	746	717	684	759	761	749	740	720	701	703	715	724	732	744	740
6	752	752	754	754	755	747	750	752	757	754	755	755	756	757	754	746	736	726	716	706	703	699	717	720	740
7	722	739	745	740	748	749	746	741	728	700	727	763	761	761	750	744	719	699	698	700	706	710	735	750	732
8	751	744	748	752	750	747	747	747	748	750	750	745	757	758	749	729	723	704	687	688	706	711	706	728	734
9	745	743	749	747	748	748	748	749	749	753	755	758	761	766	764	745	723	699	692	701	712	722	729	738	739
10 D	746	738	745	757	746	746	747	747	753	745	749	754	752	746	755	736	715	701	694	694	681	736	752	737	736
11 D	866	990	1041	988	525	599	725	681	681	662	487	303	616	718	706	686	707	719	708	716	730	726	736	735	710
12 Q	729	727	724	726	729	731	737	723	716	724	723	711	717	727	730	723	711	697	694	711	720	720	728	728	721
13	726	728	733	736	733	734	737	710	610	630	486	643	686	670	686	732	741	721	711	714	711	739	774	759	702
14 D	747	756	741	742	744	771	769	732	670	562	404	684	758	756	748	741	727	717	712	718	726	734	730	743	714
15	741	749	741	745	739	750	748	737	741	735	660	653	695	747	747	735	721	712	712	718	724	734	735	732	727
16	721	721	725	729	735	748	756	685	773	782	761	748	747	737	737	719	697	696	694	712	720	735	736	749	732
17	744	752	746	774	760	751	759	743	741	738	734	735	733	738	720	718	713	705	699	694	715	717	735	734	733
18	737	748	738	726	740	741	742	742	744	744	745	748	749	748	742	715	654	657	674	687	719	711	724	749	726
19	791	736	735	740	736	734	735	735	736	736	736	734	714	660	712	730	718	707	701	695	702	712	716	721	724
20	726	730	735	737	737	738	738	740	741	741	742	744	743	742	738	737	727	715	708	707	715	727	733	764	734
21	722	727	731	750	738	739	740	740	741	743	744	744	746	746	740	733	720	711	699	708	729	739	740	741	734
22	729	734	738	743	741	744	744	748	750	755	754	748	725	745	749	740	702	705	709	706	712	715	720	724	732
23	733	748	733	736	741	739	729	722	735	744	746	724	755	748	751	747	724	709	709	712	717	739	765	774	737
24	766	905	908	772	798	790	682	742	722	727	704	713	747	711	701	733	737	717	709	704	704	707	722	740	744
25 Q	728	737	740	742	744	743	742	743	745	746	747	750	752	752	751	744	727	720	718	718	717	719	725	737	737
26	743	744	738	743	746	748	750	741	737	744	726	708	751	745	743	705	706	713	705	702	706	717	727	733	730
27	734	743	741	739	737	749	741	690	721	722	726	726	725	738	744	739	737	726	716	719	734	742	740	741	732
28 Q	731	735	719	732	735	738	737	710	602	742	732	733	745	743	741	717	701	717	723	704	712	724	732	735	722
29 Q	736	743	743	747	743	745	745	746	747	750	751	752	750	749	748	745	736	733	729	732	734	744	747	744	743
30 D	742	743	744	747	749	751	752	755	756	759	761	763	765	769	786	768	700	650	631	689	837	857	758	851	753
31																									
Mean	745	755	757	753	738	742	743	733	728	729	711	718	736	741	741	733	718	707	701	704	717	728	735	745	732

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 208. Meanook. (D.) East 25° + . . . ′ September, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	54.2	54.5	55.1	55.5	55.8	55.8	55.8	56.2	58.5	59.7	59.0	60.8	62.1	65.4	69.7	69.0	66.3	59.7	59.7	52.0	51.4	50.4	48.9	46.4	57.6
2	51.5	53.6	54.7	54.3	55.4	56.3	56.1	56.8	57.2	58.1	58.7	58.8	60.2	61.9	64.3	68.2	69.1	66.8	61.8	56.8	53.7	53.4	54.4	55.9	58.2
3 Q	57.1	57.5	57.7	56.0	55.5	55.8	55.4	56.0	55.5	53.1	58.7	61.6	64.5	66.7	68.9	70.0	67.5	63.9	58.3	53.9	51.8	51.0	51.9	52.6	58.4
4	55.6	54.6	54.8	55.5	56.9	61.3	60.7	56.9	57.7	58.8	59.2	60.1	61.3	63.4	64.1	63.5	63.6	61.7	60.8	54.8	49.8	53.0	54.8	56.2	58.3
5	54.0	56.2	59.3	63.3	64.0	60.8	57.9	61.4	62.7	58.4	58.0	54.6	56.6	64.8	67.1	67.5	67.2	65.4	62.9	57.1	54.1	53.9	54.5	55.9	59.9
6	56.1	56.3	59.0	59.2	56.4	56.9	56.8	58.0	59.9	60.5	61.2	62.4	64.4	66.8	67.6	68.7	70.4	67.0	64.2	57.6	53.0	51.7	52.6	54.6	60.0
7	57.3	57.5	59.0	58.1	59.1	58.3	56.2	56.4	57.8	60.8	65.0	60.2	61.9	66.7	69.4	69.6	68.2	66.2	61.1	55.6	51.0	50.7	51.7	53.9	59.6
8	55.5	56.0	55.3	55.8	56.1	57.0	57.7	58.2	58.4	59.0	59.7	59.2	61.4	65.0	68.6	68.6	67.4	69.5	65.6	58.4	54.7	50.8	52.3	54.3	59.4
9	55.8	56.9	56.6	55.9	61.0	57.3	57.5	57.4	58.5	61.1	61.3	60.2	62.0	64.3	68.6	72.3	70.7	67.3	60.2	55.3	53.1	51.8	53.6	56.2	59.8
10 D	56.6	56.3	56.4	57.2	59.2	57.6	56.5	56.8	61.1	59.2	59.2	61.4	62.4	65.0	68.2	72.2	72.9	68.5	70.0	64.8	46.8	43.8	47.1	50.4	59.6
11 D	47.0	58.4	58.2	39.0	50.7	60.8	59.1	60.6	64.6	62.5	69.6	56.4	63.4	65.9	66.5	69.2	66.0	64.1	61.1	56.9	55.6	55.5	56.7	58.5	59.4
12 Q	59.5	59.2	59.0	59.3	58.1	58.4	57.4	55.4	55.9	57.9	58.7	59.6	61.9	66.6	69.7	69.6	68.0	65.7	59.8	56.6	54.2	54.5	55.0	56.5	59.8
13	57.9	60.7	63.7	58.7	56.4	56.4	59.1	62.9	69.0	70.2	65.9	64.0	70.4	66.9	67.3	66.8	62.9	62.3	59.5	57.4	56.2	53.5	54.5	53.5	61.5
14 D	54.1	51.0	55.9	57.9	55.8	51.7	54.0	58.3	65.0	74.7	76.0	67.0	67.4	70.2	70.5	68.8	69.2	64.7	59.6	58.3	55.9	56.8	57.3	58.3	61.6
15	57.8	58.7	58.0	57.1	55.3	55.9	58.2	60.1	61.9	59.1	58.7	69.0	65.4	68.0	66.6	67.1	65.7	63.1	59.0	58.0	58.5	58.9	59.2	59.7	60.8
16	59.0	57.9	57.9	58.0	57.7	55.1	54.0	61.6	62.6	61.8	62.7	64.0	62.5	62.8	64.3	65.1	63.4	58.1	56.8	51.5	54.2	55.2	57.6	56.6	59.2
17	58.0	58.2	58.4	53.4	71.3	56.9	56.9	57.2	57.9	59.2	61.2	62.7	64.7	64.8	71.3	68.9	68.3	65.6	64.8	55.6	56.7	56.2	56.8	57.1	60.9
18	57.3	57.1	58.4	61.7	57.5	57.4	56.3	57.3	58.3	59.2	60.3	60.7	61.8	64.2	66.7	67.8	64.0	55.4	51.1	52.6	53.9	54.0	54.1	55.0	58.4
19	55.2	59.4	56.4	58.5	59.1	56.0	56.6	57.4	58.0	58.8	58.9	58.6	54.9	60.1	67.5	67.5	67.0	64.7	61.7	54.9	52.6	53.4	55.1	56.9	58.7
20	57.3	57.0	56.8	57.4	57.3	57.1	57.3	57.8	58.5	59.1	59.6	60.2	61.3	62.1	64.9	65.7	64.6	61.3	59.0	54.4	51.8	52.6	54.2	52.7	58.3
21	61.0	56.5	50.3	48.4	54.5	54.9	57.4	58.1	58.4	58.7	59.0	59.1	59.5	61.0	64.2	66.6	65.4	61.8	56.9	54.2	53.0	52.4	54.5	56.3	57.6
22	57.8	56.8	56.3	56.4	56.5	56.5	56.7	56.6	57.9	59.6	60.5	59.5	57.7	62.3	66.6	66.4	62.1	60.1	55.4	55.5	55.9	56.0	56.0	57.5	58.4
23	57.9	57.2	58.3	57.2	57.3	57.8	53.2	57.8	58.6	61.6	58.4	62.1	62.0	63.4	68.1	68.9	63.5	62.5	61.1	59.1	57.7	57.0	54.3	54.0	59.5
24	53.3	54.6	50.3	59.3	53.3	57.9	46.9	55.0	61.5	60.9	60.4	61.4	59.3	61.3	67.8	69.9	68.1	65.7	64.4	61.7	59.0	56.6	55.8	54.9	59.1
25 Q	56.3	56.2	57.0	62.8	56.9	56.9	56.9	56.8	57.3	57.9	58.5	59.3	60.6	62.6	64.8	66.4	67.0	67.1	63.5	60.5	57.4	55.7	55.0	54.7	59.5
26	55.0	57.0	56.1	56.1	56.6	56.6	57.3	68.5	66.5	59.3	58.5	55.2	60.5	62.7	64.1	61.4	60.3	59.5	59.2	57.0	54.8	54.5	55.7	56.2	58.7
27	55.6	58.0	56.1	56.3	56.4	57.0	75.2	61.4	62.0	62.7	60.5	61.0	61.7	61.5	59.9	58.8	59.7	61.0	63.7	56.8	53.8	54.3	54.9	56.0	59.3
28 Q	56.1	56.4	56.2	56.2	60.5	54.9	55.1	59.7	63.3	65.6	65.4	66.1	65.3	66.2	60.0	60.6	63.9	62.2	60.6	56.4	53.0	54.1	56.4	56.4	59.6
29 Q	57.0	57.6	61.9	56.5	55.4	55.5	55.6	56.5	57.1	57.6	58.1	58.9	59.9	61.7	63.8	64.8	63.4	60.1	56.5	53.9	51.7	53.3	55.1	55.9	57.8
30 D	55.3	54.9	55.4	55.8	56.1	55.8	55.7	56.3	57.1	57.5	58.4	58.7	58.9	59.7	62.7	63.4	63.3	71.9	69.2	57.5	58.5	58.3	51.6	47.0	58.3
31																									
Mean	56.1	56.7	57.0	56.6	57.4	56.9	57.0	58.3	60.0	60.4	61.0	60.8	61.9	64.1	66.5	67.1	66.0	63.8	60.9	56.5	54.1	53.8	54.4	55.0	59.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 209. Meanook. (Z.) 59,000 γ + September, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	255	258	252	249	248	247	246	245	236	208	238	244	242	234	235	229	218	219	222	229	253	267	305	316	246
2	307	271	263	265	261	250	245	243	243	243	243	243	246	248	249	249	251	249	245	246	248	252	254	254	253
3 Q	253	254	257	256	253	258	265	254	226	117	181	210	226	238	241	242	240	239	238	239	241	240	240	248	236
4	245	243	242	251	279	284	266	264	249	249	246	246	248	246	233	224	224	237	244	251	249	250	260	261	250
5	280	293	319	289	233	231	249	199	164	237	241	206	144	228	250	250	251	247	247	259	267	264	267	269	245
6	265	258	260	256	252	252	248	247	245	244	243	242	241	240	239	242	245	250	254	258	262	266	269	266	252
7	261	261	264	256	252	252	238	231	218	151	177	257	259	255	235	232	236	239	244	249	257	260	262	262	242
8	257	252	250	250	249	248	246	248	248	242	233	232	239	254	255	236	239	241	245	245	255	259	258	256	247
9	257	255	254	257	259	252	245	246	244	244	249	251	252	252	250	247	247	250	250	247	249	252	257	259	251
10 D	255	253	252	255	258	254	252	247	227	237	247	249	248	246	247	248	243	237	233	232	238	269	271	309	250
11 D	337	180	203	174	125	268	213	226	201	182	64	184	213	234	234	248	284	290	284	286	294	286	278	270	232
12 Q	263	262	261	260	258	255	246	236	233	245	248	234	238	250	255	252	255	253	250	251	260	266	268	267	253
13	258	271	266	263	269	270	233	95	83	127	166	159	210	210	211	211	245	258	263	271	281	303	321	303	231
14 D	293	314	311	283	272	284	278	131	51	197	114	204	252	251	252	259	264	263	263	267	269	277	281	294	247
15	301	330	288	283	285	277	274	273	278	256	155	150	215	257	263	263	268	271	273	275	276	273	266	259	263
16	254	255	258	257	256	258	273	53	202	282	277	260	258	248	244	236	230	250	266	281	279	276	275	272	250
17	275	279	297	333	272	280	289	283	276	274	263	258	260	262	256	259	262	262	264	273	274	275	266	263	273
18	259	262	276	279	271	266	259	257	256	255	254	254	254	255	258	249	230	219	227	248	273	293	314	323	262
19	342	287	271	281	271	259	257	257	256	256	256	254	233	180	235	255	261	262	256	264	265	267	268	267	261
20	264	264	262	262	261	260	260	260	259	258	259	258	261	262	262	262	263	260	259	258	260	264	267	284	262
21	295	293	304	317	301	279	276	265	261	261	260	260	261	266	266	268	268	266	267	267	272	276	282	279	275
22	268	266	266	265	265	265	267	268	262	264	259	252	213	220	233	243	243	245	247	253	264	276	271	266	256
23	267	280	283	277	268	266	254	253	264	255	260	205	244	244	245	254	254	252	261	273	287	304	338	326	267
24	319	346	373	208	334	312	235	217	224	236	208	203	261	242	214	225	245	256	269	271	277	280	283	288	264
25 Q	282	273	274	273	270	264	264	265	263	262	261	261	260	261	260	260	259	259	258	259	263	265	265	268	264
26	269	274	272	270	266	266	267	245	253	265	242	215	254	256	261	244	236	253	260	268	270	270	272	276	259
27	280	293	276	266	270	278	242	167	257	246	218	245	264	261	242	216	238	254	266	273	279	275	273	270	256
28 Q	267	277	276	276	280	274	263	260	213	222	215	216	219	216	244	241	254	267	269	270	276	279	277	275	255
29 Q	276	286	285	279	278	277	276	274	271	271	272	272	272	274	274	274	273	272	271	272	275	274	271	268	274
30 D	267	267	268	268	268	268	267	267	266	266	266	265	264	266	257	256	279	244	263	325	448	414	375	383	291
31																									
Mean	276	272	273	265	263	265	257	232	231	235	227	233	242	245	247	246	250	252	255	262	272	276	278	280	256

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 210 Meanook — September, 1937.

Day	Horizontal Force							Declination							Vertical Force							Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range	$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1 D	23	10	806	19	9	681	125	15	23	72.8	23	10	45.8	27.0	23	10	324	9	15	168	156	1083	1
2	3	8	755	18	42	675	80	16	31	70.6	0	1	47.6	23.0	0	25	312	8	16	239	73	536	0
3 Q	23	51	767	9	24	665	102	15	16	71.3	8	59	48.2	23.1	6	32	270	9	42	101	169	1128	1
4	5	27	836	18	38	689	147	5	31	71.8	20	10	47.3	24.5	4	57	314	15	12	215	99	774	1
5	2	44	853	12	17	635	218	4	45	72.1	11	40	50.7	21.4	2	45	353	12	14	111	242	1710	1
6	1	21	758	21	45	697	61	16	20	73.3	21	35	49.4	23.9	22	50	273	9	0	233	40	316	1
7	10	54	776	10	0	665	111	15	9	72.8	21	27	49.7	23.1	2	30	265	9	53	107	158	1076	1
8	12	7	759	18	38	684	75	17	47	71.3	21	28	49.8	21.5	20	36	263	11	1	226	37	316	0
9	13	18	768	18	8	689	79	15	26	72.7	21	57	51.4	21.3	4	30	273	10	8	238	35	306	1
10 D	22	13	848	22	30	620	228	16	12	75.6	22	8	38.3	37.3	23	55	339	8	34	206	133	1077	1
11 D	1	56	1108	11	15	131	977	11	6	107.7	3	36	21.0	86.7	4	38	460	3	52	-12	472	4035	2
12 Q	23	3	744	18	20	692	52	14	13	70.6	20	48	53.3	17.3	23	4	274	8	58	225	49	356	1
13	22	17	785	10	18	421	364	10	0	79.0	23	58	52.8	26.2	22	19	331	8	44	55	276	2096	1
14 D	5	43	802	10	17	221	581	10	29	88.4	10	14	28.0	60.4	10	10	420	8	32	-47	467	3503	2
15	6	3	802	10	48	511	291	11	39	76.1	10	38	47.1	29.0	1	7	368	10	48	45	323	2282	1
16	7	13	838	7	29	581	257	7	10	75.3	7	48	47.3	28.0	19	33	300	7	26	-61	361	2462	1
17	4	7	819	19	33	682	137	4	27	82.5	5	55	50.2	32.3	3	22	356	4	43	221	135	973	1
18	23	52	770	16	57	620	150	15	28	70.5	18	40	47.7	22.8	23	48	334	16	57	201	133	976	1
19	0	33	874	13	42	650	224	14	42	70.2	20	51	51.9	18.3	0	38	386	13	40	163	223	1450	1
20	23	18	776	19	49	703	73	15	45	67.2	23	18	49.8	17.4	23	38	290	11	30	258	32	283	0
21	3	14	763	18	30	689	74	16	12	67.8	2	15	45.4	22.4	3	42	331	11	2	258	73	526	1
22	13	28	767	16	14	697	70	15	30	68.8	18	20	54.1	14.7	21	12	279	12	57	198	81	569	1
23	23	53	781	11	20	699	82	15	21	71.0	6	30	48.5	22.5	22	22	347	11	24	184	163	1069	1
24	7	13	956	6	58	495	461	3	51	80.7	7	4	-0.5	81.2	2	28	419	3	18	23	396	3183	2
25 Q	13	0	753	20	40	710	43	17	11	69.1	23	25	53.3	15.8	0	15	286	17	8	255	31	239	1
26	7	30	776	11	10	681	95	7	16	76.7	11	5	49.2	27.5	23	20	281	7	53	184	97	695	1
27	6	35	753	7	28	647	106	6	23	94.1	7	24	46.9	47.2	1	16	295	7	21	47	248	1603	1
28 Q	11	27	750	7	24	422	328	7	14	69.3	6	59	51.2	18.1	21	25	283	7	30	111	172	1435	1
29 Q	13	52	753	20	7	727	26	15	48	65.7	20	10	50.8	14.9	2	0	291	24	0	268	23	169	1
30 D	23	58	938	17	38	583	355	17	33	93.7	23	10	39.1	54.6	20	12	470	17	31	204	266	2026	2
31																							
Mean			808			609	199			75.6			45.5	30.1			326			154	172	1274	1.03
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 211. Meanook. (H.) 12,000 γ + October, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	861	792	721	710	736	710	664	672	335	620	595	508	587	722	666	705	697	662	677	723	767	729	733	755	681
2	736	720	742	722	727	739	757	628	707	741	720	727	732	738	730	718	709	710	710	717	720	727	728	727	722
3	737	738	738	736	741	744	745	727	727	735	701	487	262	292	222	501	723	736	723	688	720	730	699	799	652
4 D	1260	1269	911	957	896	554	209	541	734	734	696	689	697	708	714	724	711	686	705	701	697	731	714	696	747
5	690	695	704	708	709	712	709	712	714	714	714	715	711	682	631	680	697	697	699	695	694	722	699	716	701
6	726	731	724	724	724	726	727	726	721	695	714	714	729	733	725	721	703	703	694	694	691	694	704	717	715
7	723	730	727	740	743	751	772	751	723	737	720	623	515	576	654	560	626	700	673	668	662	723	731	721	690
8 D	788	983	1117	801	589	699	716	430	509	618	608	713	751	736	724	718	650	727	731	714	709	707	697	703	714
9 D	713	718	720	721	724	727	732	736	743	729	728	733	395	54	-204	142	714	760	759	731	729	745	768	800	630
10 D	820	734	746	859	776	728	581	475	652	622	658	245	467	647	734	737	717	705	696	699	711	748	771	728	677
11 D	710	721	726	729	729	730	692	713	733	740	733	742	724	662	194	586	744	727	713	700	718	713	717	734	693
12	716	729	732	734	736	753	749	732	738	740	743	746	750	753	742	741	729	718	716	723	725	681	776	836	739
13	747	726	723	726	725	729	722	582	536	579	596	593	605	694	662	667	751	729	716	717	720	716	721	724	684
14	729	735	743	759	770	785	758	731	471	703	722	720	733	723	738	731	721	708	708	706	716	727	729	731	721
15	733	744	745	747	748	757	764	768	477	492	510	374	399	632	658	652	681	683	674	681	746	727	713	728	660
16	727	728	736	737	737	736	736	738	640	721	728	694	720	739	721	693	668	688	701	714	719	710	715	721	715
17 Q	729	738	744	744	744	747	741	740	724	732	743	742	740	739	740	731	725	723	713	706	706	711	711	718	730
18 Q	717	737	739	740	746	733	729	726	716	680	648	699	754	757	750	747	739	726	712	711	713	719	727	734	725
19	738	746	749	747	746	746	746	748	749	744	731	730	721	739	753	747	732	723	703	698	703	712	718	727	733
20 Q	735	744	744	744	745	745	745	744	744	744	747	747	744	746	744	741	731	718	706	703	703	715	723	730	735
21	738	746	751	751	750	749	750	758	753	751	744	709	675	699	730	740	722	719	707	700	708	703	727	725	729
22	730	742	742	742	739	746	752	734	719	739	722	613	683	654	689	730	742	730	704	703	724	703	717	725	718
23	760	832	765	730	729	695	713	691	319	446	396	410	514	607	703	725	657	652	672	701	705	742	838	917	663
24	958	852	752	719	719	717	722	718	687	318	563	663	343	597	717	659	659	678	684	685	695	701	721	737	678
25	733	759	744	737	731	738	735	706	704	704	729	721	588	521	628	676	701	700	694	701	703	718	726	727	701
26	736	726	735	793	783	763	632	546	549	134	567	714	678	602	664	674	720	715	713	706	727	725	742	740	670
27	725	733	735	734	752	726	749	711	311	527	444	365	371	520	569	643	726	736	714	710	711	730	741	753	643
28	731	740	750	742	740	738	716	704	745	740	667	690	742	727	727	731	736	718	713	710	723	707	740	728	725
29 Q	728	728	724	738	742	739	737	676	673	748	745	744	742	741	703	680	720	714	702	701	710	710	715	724	720
30 Q	724	742	748	752	746	747	746	750	749	735	747	755	756	749	747	738	725	715	714	718	726	729	723	728	738
31	733	742	744	744	745	747	743	742	728	703	703	708	731	723	747	741	724	708	700	703	706	719	730	738	727
Mean	762	768	756	750	741	731	709	689	646	657	670	646	631	652	643	677	710	710	705	704	713	718	729	742	702

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 212. Meanook. (D.) East 25° + . . . ′ October, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	51.6	53.5	55.8	53.7	52.1	48.0	60.3	56.7	80.6	73.7	74.0	74.4	68.4	64.1	64.5	67.8	68.2	64.3	53.4	58.4	59.5	55.4	55.8	57.6	61.3
2	57.0	58.1	56.8	58.2	55.9	55.1	56.6	45.5	60.4	59.6	60.6	61.6	61.1	62.5	65.2	66.3	65.1	61.6	57.7	55.7	54.6	56.0	57.0	58.0	58.6
3	57.8	58.0	57.7	58.5	54.9	55.5	54.7	57.7	60.1	59.9	57.5	58.6	108.1	95.6	91.1	83.7	75.2	62.9	62.1	59.8	53.2	55.7	53.8	50.2	64.3
4 D	62.6	65.0	37.4	2.7	13.0	26.9	65.0	53.4	55.4	64.3	66.9	66.8	64.7	63.6	68.1	68.9	68.1	68.0	62.7	58.9	58.7	58.2	58.2	56.8	55.6
5	56.0	59.8	59.8	59.0	59.0	58.3	59.2	60.1	61.2	61.1	61.3	61.7	62.0	63.8	69.1	68.6	72.9	72.2	66.9	61.1	57.1	54.0	55.9	56.1	61.5
6	57.0	55.4	54.3	57.6	57.0	57.6	59.0	58.5	58.7	57.2	61.9	57.4	60.4	63.4	67.0	70.1	68.9	66.5	64.1	59.9	59.6	58.1	56.8	55.1	60.1
7	55.9	55.2	57.0	54.3	55.7	58.4	65.6	58.0	62.9	60.6	62.0	61.2	54.5	67.7	65.4	65.2	60.7	62.9	67.2	60.4	53.4	53.8	56.5	55.1	59.6
8 D	51.7	45.3	52.1	57.9	47.7	53.8	52.5	64.0	72.6	65.4	66.7	60.9	59.2	63.6	68.6	72.7	73.5	65.6	65.6	63.8	62.7	62.7	61.3	60.2	61.2
9 D	59.3	58.9	58.3	58.2	57.9	58.2	58.2	61.2	60.8	62.2	61.1	62.9	68.1	119.3	72.7	77.2	55.5	61.6	56.2	54.2	54.7	54.0	51.5	50.6	62.2
10 D	51.6	52.1	54.0	55.8	57.9	52.3	51.0	68.8	64.5	59.4	64.0	73.4	74.7	72.1	68.5	66.9	67.3	63.7	62.1	57.4	56.9	60.4	56.7	55.9	61.1
11 D	57.9	58.4	58.3	57.6	55.9	64.3	59.0	60.0	61.0	59.9	62.4	60.7	58.9	56.9	47.5	81.3	65.9	63.3	62.8	57.2	58.1	56.1	56.6	54.4	59.8
12	58.6	57.5	57.9	57.0	57.3	55.7	56.2	55.3	71.6	73.9	76.0	73.0	68.4	66.0	67.1	69.5	68.2	68.6	63.6	66.3	61.5	53.2	50.4	52.5	62.7
13	54.0	55.1	57.3	58.6	61.8	68.3	58.6	47.3	40.6	65.8	55.7	58.1	64.0	63.5	63.5	61.0	65.4	66.5	63.0	59.8	57.6	56.8	57.0	57.5	59.0
14	56.7	56.3	55.4	71.8	58.4	49.8	60.3	54.4	60.4	62.5	63.6	65.2	61.2	62.5	62.1	64.8	67.1	66.5	63.4	58.2	57.2	55.8	56.5	56.7	60.3
15	56.0	57.0	57.5	57.0	55.9	55.6	54.2	57.4	63.7	82.5	87.9	108.4	69.5	70.4	64.2	57.8	58.4	57.0	58.7	57.0	58.0	56.6	58.7	58.4	63.2
16	58.1	58.5	59.7	59.7	59.2	58.7	58.7	67.3	54.0	71.5	66.1	57.1	61.1	63.2	67.1	69.4	63.0	59.0	55.6	56.7	56.3	56.4	56.5	56.6	60.4
17 Q	56.8	57.2	56.9	56.3	57.2	57.4	58.1	58.3	57.2	59.0	60.3	59.6	60.1	61.1	63.3	66.6	67.1	62.8	61.7	59.0	57.2	55.5	56.4	56.7	59.2
18 Q	56.9	56.8	55.8	55.3	55.0	56.5	57.4	60.1	62.7	64.8	66.6	65.8	63.1	60.9	60.7	68.5	66.3	61.1	65.1	61.0	55.3	61.5	57.2	57.8	60.5
19	58.1	56.9	57.0	57.4	57.8	57.9	58.1	58.3	58.7	58.7	59.7	60.2	59.8	61.5	64.0	67.9	68.0	65.8	64.8	59.0	56.8	54.8	55.4	55.9	59.7
20 Q	56.3	56.1	57.0	57.8	57.9	57.9	57.9	58.2	58.7	59.3	59.3	59.2	59.5	60.3	61.9	64.1	65.1	64.3	62.6	59.2	56.5	55.8	56.4	56.5	59.1
21	56.5	56.6	57.1	57.1	57.7	57.6	59.1	67.6	56.8	57.4	59.7	56.9	66.8	67.1	64.6	67.3	62.3	61.7	59.4	56.5	55.9	53.7	54.7	54.7	59.4
22	57.4	58.6	59.4	58.6	58.8	61.9	61.9	67.0	66.5	63.4	60.2	59.5	61.9	68.5	61.9	64.4	67.2	67.2	62.0	55.4	57.8	54.8	53.8	56.5	61.0
23	52.7	67.5	55.3	57.3	62.5	61.6	60.4	63.3	66.0	75.3	82.6	88.3	85.0	62.3	65.6	66.1	63.5	61.3	55.2	51.8	53.5	58.2	57.9	60.6	63.9
24	61.3	58.3	62.4	61.5	61.3	61.2	63.6	65.6	65.5	56.5	78.8	74.7	74.1	72.6	73.1	64.4	56.5	59.0	54.7	58.6	56.6	56.7	56.7	54.2	62.8
25	56.8	64.1	59.1	58.2	58.6	68.1	57.0	59.8	63.5	58.7	61.9	62.7	58.6	55.6	51.2	56.8	61.9	68.2	61.9	58.3	56.8	57.2	58.1	58.9	59.7
26	57.1	58.6	61.5	56.3	65.5	57.6	84.3	112.1	74.8	75.4	70.5	62.5	62.8	55.6	66.2	64.3	66.9	68.4	67.3	60.4	61.9	60.7	58.5	59.1	66.2
27	59.2	58.6	64.4	58.5	72.6	63.0	57.7	60.8	67.4	88.3	84.3	83.8	76.6	63.0	60.0	69.0	64.0	67.2	64.4	61.6	59.7	58.9	58.1	59.0	65.8
28	59.9	60.7	67.0	61.0	59.3	63.0	55.2	62.5	63.4	60.6	65.4	62.6	65.9	64.4	63.6	65.9	68.0	66.5	64.9	60.0	61.2	55.9	59.2	57.9	62.2
29 Q	55.4	56.9	61.2	63.5	59.0	61.2	60.6	55.3	57.9	58.9	60.7	61.7	61.7	60.8	60.0	59.5	69.4	69.8	63.4	61.6	59.5	60.3	59.7	58.8	60.7
30 Q	60.5	58.9	59.0	59.0	60.1	59.4	60.8	62.4	59.6	59.3	61.0	61.0	61.3	62.2	64.5	66.3	67.2	66.1	62.3	59.3	58.8	58.3	57.9	57.9	61.0
31	59.5	60.6	59.1	59.5	59.3	58.3	57.8	60.0	58.0	59.6	63.5	60.1	62.7	60.4	65.3	68.1	68.8	67.7	63.5	60.5	58.1	54.8	55.5	56.6	60.7
Mean	57.0	57.8	57.5	56.6	56.8	57.4	59.3	61.2	62.1	64.3	65.9	65.8	65.9	66.3	65.1	67.4	66.0	64.8	61.9	58.9	57.6	56.8	56.6	56.5	61.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 213. Meanook. (Z.) 59,000 γ + October, 1937.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	387	369	312	300	311	257	197	224	334	230	193	235	227	268	246	274	279	287	312	347	351	306	318	337	288
2	341	336	321	297	301	314	201	169	257	279	255	266	284	286	284	283	281	280	277	274	273	274	272	273	278
3	275	283	305	311	304	308	318	291	261	286	258	120	-11	-10	226	30	184	280	288	287	295	295	292	337	242
4 D	375	108	12	276	111	195	406	421	351	328	314	283	291	319	315	311	313	306	306	303	306	305	304	303	286
5	302	303	302	298	297	296	294	294	293	292	291	291	292	291	267	291	289	290	280	278	283	289	291	291	291
6	292	294	305	305	301	293	287	287	274	230	250	263	272	281	285	290	292	290	285	281	285	287	287	290	284
7	289	293	301	302	303	300	302	259	274	274	252	206	129	192	204	150	202	251	281	295	297	321	343	334	265
8 D	344	318	244	60	230	272	285	137	249	301	298	316	344	344	322	314	313	333	320	305	306	307	307	308	286
9 D	303	301	302	300	298	296	293	292	296	280	277	265	122	-32	42	177	258	284	300	302	304	312	319	348	260
10 D	341	319	338	319	346	312	297	215	307	384	334	347	203	268	306	311	300	299	301	307	311	333	333	322	310
11 D	300	298	297	295	304	312	252	279	290	297	286	294	270	211	-72	24	268	282	278	293	301	300	300	301	261
12	300	300	300	300	296	305	311	298	267	229	149	290	308	298	286	292	291	290	289	290	300	331	364	349	293
13	311	303	298	301	295	270	276	204	129	140	211	153	142	185	240	250	275	284	292	293	298	297	296	293	252
14	289	288	292	304	299	346	320	298	138	228	280	240	280	280	299	301	300	300	299	299	294	294	289	287	285
15	286	286	288	287	289	305	321	281	234	171	59	33	130	246	214	208	232	258	289	315	334	313	296	309	249
16	310	300	298	291	289	286	285	264	100	202	255	235	262	280	282	274	248	255	267	268	283	287	292	299	267
17 Q	288	292	298	304	301	305	300	283	252	258	277	281	283	286	293	291	289	289	286	289	288	292	305	303	289
18 Q	304	294	286	288	292	291	291	291	291	290	290	292	290	288	254	194	180	230	273	283	278	298	292	287	277
19	288	291	292	290	290	290	290	289	287	286	255	235	221	258	290	291	291	287	288	295	298	300	302	300	284
20 Q	293	293	294	293	291	289	287	285	284	283	282	284	282	283	289	291	292	291	291	291	289	292	293	290	289
21	286	289	287	287	287	288	286	277	294	288	284	188	114	105	212	232	245	255	274	288	293	302	307	304	261
22	304	299	296	295	295	312	304	279	258	277	265	201	195	147	240	298	299	298	299	307	311	329	340	333	282
23	347	394	372	330	280	221	285	263	13	59	5	14	44	183	233	280	281	298	337	352	349	376	401	396	255
24	250	329	351	325	316	309	304	230	273	72	268	188	147	95	225	248	282	282	287	309	317	324	331	333	266
25	331	349	324	315	311	312	302	283	207	218	282	280	203	195	211	211	247	297	309	309	317	318	319	315	282
26	319	314	338	323	287	358	201	19	247	204	126	203	256	220	261	270	309	327	345	340	349	346	358	338	277
27	341	328	349	336	328	315	329	265	8	106	52	110	172	-42	147	252	332	309	307	310	321	330	334	339	249
28	315	336	335	308	308	295	216	265	299	309	247	212	286	290	302	304	323	311	313	314	328	342	375	340	303
29 Q	325	322	323	318	318	323	309	232	229	294	302	300	300	299	280	262	284	303	306	309	312	311	308	311	299
30 Q	309	310	310	308	305	306	301	281	294	271	273	286	294	297	303	303	303	292	289	289	293	299	302	304	297
31	304	307	306	306	306	305	306	295	242	208	208	220	276	272	290	302	299	298	297	300	304	311	303	305	286
Mean	311	305	299	296	293	296	289	260	243	244	238	230	223	222	244	252	277	288	296	301	305	310	315	315	277

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 214 Meanook — October, 1937.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	1	43	872	8	31	211	661	8	41	101.6	5	26	15.4	86.2	8	20	438	5	24	100	338	2840	2
2	6	16	792	7	35	559	233	6	42	90.2	7	19	34.8	55.4	0	46	352	6	50	5	347	2350	1
3	23	53	908	14	35	123	785	13	32	144.5	19	55	43.7	100.8	14	23	467	12	40	-159	626	4703	2
4 D	0	54	1361	6	17	-690	2051	6	23	92.4	3	21	-45.6	138.0	6	22	835	5	55	-133	968	8336	2
5	12	41	744	14	24	588	156	17	7	76.2	21	46	52.1	24.1	13	27	309	14	26	238	71	619	1
6	13	8	757	9	51	641	116	16	53	74.4	9	36	53.2	21.2	2	58	311	9	52	171	150	976	1
7	7	4	813	12	25	452	361	13	19	80.1	12	38	40.8	39.3	22	53	352	13	3	64	288	2163	1
8 D	2	21	1206	4	2	216	990	7	1	112.8	1	53	12.4	100.4	6	54	540	3	46	25	515	4306	2
9 D	17	13	828	14	17	-438	1266	13	54	189.6	15	16	15.3	174.3	14	27	428	13	25	-279	707	5794	2
10 D	3	17	909	11	45	170	739	11	4	99.2	6	38	-11.3	110.5	11	20	506	6	51	69	437	3526	2
11 D	15	56	851	14	24	-350	1201	15	5	101.8	14	37	12.1	89.7	18	43	338	14	28	-272	610	5136	2
12	23	34	891	21	9	623	268	19	29	78.5	23	31	42.7	35.8	22	48	408	10	47	127	281	2003	1
13	16	24	764	7	39	425	339	5	24	78.4	8	36	21.5	56.9	2	37	313	8	22	52	261	1976	1
14	5	16	855	8	18	358	497	3	51	97.8	5	32	32.5	65.3	5	34	379	8	54	24	355	2733	2
15	7	26	846	11	35	176	670	11	31	146.2	11	56	37.5	108.7	8	6	401	11	29	-122	523	3947	2
16	8	0	782	8	47	587	195	7	43	80.5	8	8	41.5	39.0	0	35	323	8	9	-163	486	3125	1
17 Q	5	5	758	20	9	704	54	16	25	69.2	24	0	54.4	14.8	3	30	311	8	47	234	77	525	0
18 Q	12	42	766	10	6	582	184	15	54	73.4	20	48	50.9	22.5	1	8	309	16	1	153	156	1158	1
19	13	46	756	19	30	692	64	16	18	71.6	23	7	53.7	17.9	23	7	303	12	5	216	87	598	1
20 Q	6	9	749	20	28	702	47	16	25	65.3	21	4	55.5	9.8	21	56	294	12	48	280	14	143	0
21	7	25	772	12	45	656	116	7	26	73.6	11	17	52.3	21.3	22	4	311	12	24	101	210	1389	1
22	24	0	798	13	52	508	290	13	46	80.4	22	34	50.2	30.2	22	42	361	13	47	96	265	1937	1
23	24	0	1044	8	55	55	989	11	30	126.8	2	33	45.7	81.1	22	52	459	11	28	-189	648	5092	2
24	10	8	1056	9	43	-149	1205	13	38	102.0	9	52	14.9	87.1	10	11	371	9	47	-187	558	4833	2
25	8	8	818	13	13	441	377	5	37	83.4	13	21	38.6	44.8	1	1	375	12	42	117	258	2006	2
26	4	39	924	9	15	74	850	7	0	145.4	3	39	-14.8	160.2	3	43	486	7	19	-128	614	4715	2
27	4	18	799	12	14	208	591	12	27	108.7	11	59	33.4	75.3	2	46	387	13	43	-117	504	3735	2
28	22	39	775	10	58	596	179	16	55	73.5	6	22	45.8	27.7	22	27	397	6	22	152	245	1677	1
29 Q	6	4	756	8	9	639	117	17	13	75.3	8	0	49.9	25.4	5	56	338	7	52	181	157	1078	1
30 Q	12	38	762	18	12	710	52	7	13	68.5	6	59	57.5	11.0	2	33	314	9	45	253	61	427	0
31	8	24	752	8	54	673	79	16	57	70.2	8	50	47.8	22.4	22	37	313	11	15	172	141	935	1
Mean			854			347	507			94.6			33.4	61.2			388			35	353	2734	1.35
No. days			31			31	31			31			31	31			31			31	31	31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 215. Meanook. (H.) 12,000 γ + November, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	744	742	742	742	745	745	747	745	743	741	738	737	727	736	749	749	737	729	725	714	715	727	735	743	737
2	739	754	755	773	778	800	790	765	660	639	720	755	755	749	750	741	734	730	717	708	718	731	732	715	738
3	729	740	740	741	738	735	734	734	707	737	740	734	733	746	751	746	735	722	713	714	716	718	725	730	732
4 Q	735	743	746	746	746	745	741	747	745	747	746	741	725	737	754	751	736	727	718	717	722	725	728	735	738
5 Q	739	745	747	745	741	750	747	746	746	748	750	751	752	753	754	748	739	724	719	720	724	726	732	739	741
6 Q	738	748	751	752	753	749	744	748	749	749	748	742	745	752	754	747	734	724	722	722	723	732	733	733	741
7	739	744	743	744	753	752	746	733	721	742	738	737	742	741	747	741	743	742	732	712	714	742	744	744	739
8	744	766	776	820	763	746	746	738	739	740	747	743	741	740	731	729	731	715	693	700	735	729	706	725	739
9	750	758	748	748	762	798	769	773	778	750	726	743	601	660	662	704	752	732	723	722	729	733	728	731	732
10	734	738	742	743	746	746	748	746	743	741	738	734	726	727	711	717	737	720	714	712	718	722	733	741	732
11	750	751	753	756	762	764	757	754	744	743	663	654	733	755	761	748	738	727	725	716	715	725	713	743	735
12	745	762	762	778	774	761	756	746	737	745	715	710	727	743	747	744	734	716	706	705	705	716	729	738	738
13	738	745	745	753	749	749	751	751	739	730	741	748	752	746	751	751	749	732	715	724	738	736	734	739	742
14	740	747	747	745	747	749	748	746	745	739	726	710	740	738	736	745	745	738	735	736	738	735	735	738	740
15 Q	745	749	751	753	754	754	754	753	750	750	750	751	755	753	749	745	737	731	731	736	742	742	742	742	747
16 Q	745	749	754	754	754	754	754	753	754	755	756	756	756	754	749	744	733	726	724	726	733	740	745	747	746
17	749	753	756	755	756	755	753	749	747	749	756	751	749	758	760	753	756	747	747	746	744	739	737	741	750
18 D	736	754	792	802	808	727	731	795	679	674	362	349	433	683	689	742	755	696	655	663	736	739	729	751	687
19 D	744	737	751	747	744	741	732	703	601	552	361	392	478	486	672	570	718	726	729	724	732	732	733	738	660
20	737	742	745	752	769	764	741	717	511	528	571	741	747	596	545	653	746	740	736	729	731	737	734	735	698
21	740	749	755	750	761	755	745	736	711	729	723	695	587	690	756	754	746	735	705	706	726	729	730	742	727
22	742	754	751	792	776	781	685	677	727	515	354	508	726	646	635	715	687	713	709	685	712	742	734	741	688
23 D	745	771	760	746	746	752	747	701	528	676	683	480	594	710	726	732	725	699	713	720	728	737	745	741	704
24	746	746	749	790	765	760	739	590	659	655	634	642	450	552	719	758	753	734	727	718	719	725	736	741	700
25	742	750	747	748	746	745	731	730	745	743	734	713	712	741	746	745	752	750	741	732	721	712	722	734	737
26	733	740	744	749	754	747	751	743	736	732	738	739	741	746	747	750	750	742	739	738	739	736	731	736	742
27	748	756	758	759	757	756	755	752	752	752	751	749	748	743	753	756	757	746	732	730	717	727	750	738	748
28	739	742	752	795	772	746	695	618	515	575	565	409	361	546	673	693	739	739	737	730	737	738	737	735	670
29 D	747	770	762	756	747	741	734	743	703	670	730	542	382	500	676	668	684	619	652	688	715	752	755	758	687
30 D	761	762	772	827	791	781	787	788	804	744	622	456	597	479	562	594	606	542	585	681	744	775	859	832	698
31																									
Mean	742	750	753	762	758	755	745	734	707	703	678	664	667	690	717	724	733	719	714	716	726	733	738	742	724

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 216. Meanook. (D.) East 25° + . . . ′ November, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	58.1	58.7	58.6	58.8	58.8	58.8	58.6	58.6	58.2	60.4	63.7	63.7	67.1	74.8	72.5	68.3	65.5	61.8	60.5	58.3	55.0	53.8	54.3	54.9	60.9
2	54.6	53.5	53.6	53.7	59.2	59.7	58.1	59.2	66.2	73.8	67.2	62.7	63.9	64.3	64.6	64.6	66.1	64.5	65.1	58.7	57.8	58.4	57.7	59.2	61.1
3	57.7	58.8	58.9	59.3	58.3	58.2	59.7	64.2	58.2	64.0	63.5	62.8	60.0	61.5	66.3	66.5	66.3	64.8	62.3	60.6	59.8	59.9	59.3	58.8	61.2
4 Q	58.7	58.6	58.6	58.6	58.0	57.7	59.7	58.9	60.3	60.8	61.3	61.9	60.8	61.9	64.6	66.6	64.8	62.4	60.1	59.7	58.8	58.5	58.5	58.4	60.3
5 Q	58.5	59.4	59.2	58.9	59.5	59.0	57.9	59.3	58.3	58.8	60.0	61.0	61.7	62.5	63.9	65.7	67.3	65.4	63.2	61.1	60.0	59.3	58.9	58.0	60.7
6 Q	58.2	59.0	59.3	59.7	59.3	58.3	58.6	58.8	59.6	59.6	60.5	61.7	65.0	64.7	64.9	65.5	64.6	62.6	60.0	59.0	58.2	57.1	57.5	57.0	60.4
7	56.8	57.3	57.5	57.6	61.5	59.6	59.1	57.1	62.4	67.1	65.3	63.3	62.5	61.0	65.0	61.9	63.9	66.8	61.0	55.6	50.1	50.8	52.2	51.3	59.4
8	54.7	54.4	56.4	54.3	56.8	58.8	60.0	60.7	61.1	62.2	62.8	62.6	62.7	63.1	64.0	65.6	63.8	64.9	59.9	54.3	54.8	56.2	57.6	54.5	59.4
9	57.2	56.3	57.2	59.4	61.9	61.7	58.4	66.0	64.8	61.8	60.6	61.4	66.0	56.3	56.3	63.5	67.6	65.1	61.7	60.9	60.5	59.1	59.3	58.1	60.9
10	57.5	58.5	58.3	58.5	59.2	60.5	60.2	59.7	59.3	59.8	61.2	59.2	61.1	62.6	66.6	64.2	66.5	64.1	61.1	59.5	59.6	58.7	57.3	56.9	60.4
11	57.0	58.1	59.1	58.8	56.9	58.4	57.6	58.1	56.8	62.6	61.0	64.9	67.6	66.7	66.2	66.7	66.4	64.8	62.3	60.5	57.1	55.5	56.0	55.5	60.6
12	56.1	55.8	57.4	56.6	57.7	59.1	61.2	60.0	57.2	60.8	61.1	58.9	59.6	63.4	65.1	66.2	66.8	65.4	63.5	60.5	58.7	58.7	59.2	58.5	60.3
13	59.0	59.6	59.3	58.6	59.5	59.3	62.8	60.4	59.5	59.7	59.5	60.6	61.7	61.9	62.5	63.6	65.3	65.1	61.4	60.5	60.2	58.4	58.3	58.3	60.6
14	58.6	58.3	59.0	60.5	58.7	58.8	59.0	59.1	59.5	60.6	60.5	56.4	64.5	64.3	59.7	62.6	64.0	61.6	59.5	59.3	60.2	59.9	59.5	59.3	60.1
15 Q	59.1	59.3	59.0	59.3	59.4	59.5	59.6	59.3	59.5	59.7	60.1	60.6	61.6	61.6	63.0	64.6	64.3	62.9	60.9	59.3	59.2	59.3	59.6	59.2	60.4
16 Q	58.9	58.7	59.2	59.2	59.3	59.2	59.0	59.3	58.4	59.7	60.1	60.8	61.3	61.7	62.5	63.8	64.4	62.9	61.1	59.4	58.5	58.4	58.4	57.4	60.1
17	57.9	58.8	59.7	60.0	59.7	59.3	59.4	58.9	62.6	62.1	61.8	63.9	67.9	68.5	65.6	61.0	60.2	57.1	52.9	52.8	54.2	55.3	56.6	56.7	59.7
18 D	54.0	53.0	50.1	54.8	60.6	66.4	59.2	58.2	66.4	69.5	78.8	70.5	88.2	74.5	77.3	69.3	62.5	61.4	52.1	38.6	50.7	55.6	56.8	59.7	62.0
19 D	60.7	62.4	62.6	62.9	62.4	61.5	61.3	62.4	80.2	69.3	72.6	86.4	60.6	70.9	63.1	54.4	62.6	62.6	61.8	59.7	59.0	59.5	60.6	60.6	64.2
20	62.0	61.2	60.7	62.0	59.8	59.1	60.6	59.2	44.8	67.9	83.2	67.3	68.4	69.6	55.9	54.9	63.7	66.5	61.9	59.6	60.2	58.2	57.9	60.1	62.3
21	59.9	62.2	62.2	70.8	64.7	63.5	61.0	62.0	58.6	60.0	62.7	64.8	62.8	60.5	65.6	67.5	67.8	65.1	60.1	53.1	53.9	55.2	57.2	57.3	61.6
22	58.7	59.7	58.2	60.0	64.7	60.4	52.5	56.0	60.4	51.8	66.9	83.0	75.7	77.1	65.7	63.3	63.3	57.6	55.2	54.5	57.3	57.6	60.6	59.4	61.6
23 D	61.0	57.7	56.7	56.4	58.2	58.6	52.4	57.4	50.6	50.6	57.2	59.2	48.7	63.9	63.0	60.1	58.5	60.0	56.3	53.9	54.9	57.7	56.5	56.8	56.9
24	57.1	56.5	56.7	66.4	59.5	56.7	57.4	45.7	62.4	66.7	63.6	64.9	65.5	66.1	56.7	60.4	62.4	60.6	55.9	56.7	55.8	55.5	55.2	56.6	59.2
25	58.6	56.6	56.0	55.5	55.7	56.6	52.5	53.4	57.3	57.0	55.1	54.3	54.3	55.5	56.9	56.5	59.2	58.0	57.9	56.0	54.7	53.9	53.7	54.0	55.8
26	55.8	56.0	56.4	58.0	56.7	55.1	55.0	54.6	55.2	56.5	57.1	57.8	58.0	58.1	57.3	58.3	61.0	59.4	57.5	57.0	56.0	55.4	54.6	54.6	56.7
27	54.8	55.2	55.3	55.3	55.4	55.4	55.1	55.0	55.3	55.7	56.3	56.2	56.7	56.3	55.9	58.9	59.9	58.8	56.1	54.8	55.5	54.9	53.0	53.0	55.8
28	52.2	52.8	52.1	52.7	56.0	54.8	59.4	52.3	76.7	76.1	78.6	70.3	78.2	60.6	57.3	48.9	51.6	50.1	50.5	51.5	53.0	53.7	54.2	54.7	58.3
29 D	56.5	60.7	57.4	56.5	55.7	54.3	63.1	58.4	56.6	59.5	61.3	72.1	42.4	68.1	67.2	55.5	53.4	44.8	41.5	55.0	49.0	50.1	51.7	53.2	56.0
30 D	54.6	53.4	54.0	54.1	47.8	50.8	49.8	47.4	55.0	65.7	67.8	70.3	76.0	73.7	76.0	68.8	64.2	53.1	46.2	52.9	55.8	56.0	49.8	52.7	58.2
31																									
Mean	57.5	57.7	57.6	58.6	58.7	58.6	58.6	58.0	60.0	62.0	63.7	64.1	63.7	64.5	63.7	62.6	63.3	61.3	58.3	56.8	56.6	56.7	56.7	56.8	59.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 217. Meanook. (Z.) 59,000 γ + November, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	305	312	320	321	313	311	310	306	298	290	288	282	253	256	278	278	274	273	282	289	297	305	306	305	294
2	309	331	357	374	381	358	341	327	377	296	287	306	310	299	298	299	299	305	304	313	307	315	314	314	322
3	310	312	306	301	299	302	298	213	203	253	265	257	262	269	283	286	289	288	287	293	299	299	298	295	282
4 Q	295	295	295	294	296	301	256	297	290	287	283	280	273	273	291	291	288	290	295	299	307	303	298	296	290
5 Q	293	294	295	294	301	305	315	312	302	299	295	291	289	289	291	292	292	292	296	296	301	300	297	293	297
6 Q	291	292	291	290	290	291	292	291	290	290	287	258	254	273	286	287	287	285	287	293	297	297	295	293	287
7	295	298	305	313	320	317	302	278	266	280	280	266	252	257	264	262	261	275	276	281	287	295	305	316	285
8	307	329	330	340	317	302	294	292	294	289	288	287	285	285	287	285	282	280	280	281	295	303	304	308	298
9	313	304	308	308	337	352	327	238	294	303	281	293	183	219	218	271	296	291	295	302	302	302	295	294	288
10	294	293	296	294	293	294	297	291	291	290	283	280	264	268	249	270	285	285	288	293	295	293	293	291	286
11	289	288	285	284	281	291	294	285	287	286	191	234	223	270	284	282	281	282	284	288	293	299	301	311	279
12	309	309	339	341	317	314	300	284	282	283	246	255	254	274	285	285	288	289	293	296	296	294	301	298	293
13	291	286	287	288	292	295	295	293	277	267	275	277	278	276	280	280	280	275	269	275	277	278	278	278	281
14	275	290	293	299	302	300	290	288	289	281	259	236	252	266	287	290	290	289	290	291	292	291	289	288	284
15 Q	290	285	280	280	279	279	279	279	278	278	279	278	278	279	280	281	281	283	285	285	285	282	280	282	281
16 Q	279	282	287	283	282	282	282	284	281	282	284	281	280	280	282	286	286	283	283	284	283	280	279	279	282
17	280	280	281	280	280	279	279	274	233	223	257	258	243	244	246	247	237	242	247	257	268	275	280	286	262
18 D	300	314	283	235	245	176	-39	163	250	257	250	64	-77	171	401	358	366	368	370	368	329	321	337	332	256
19 D	313	305	325	302	288	282	277	270	137	172	29	120	111	130	233	170	233	282	295	296	313	307	308	308	242
20	303	303	303	305	323	307	266	214	145	132	77	186	266	197	159	211	276	258	281	290	293	297	296	285	249
21	294	303	311	305	285	303	290	262	211	248	272	243	207	239	276	285	285	284	293	300	302	295	292	294	278
22	300	321	327	333	314	314	214	150	240	129	-63	156	186	167	200	250	255	302	298	294	315	343	324	318	249
23 D	329	321	284	280	283	209	236	232	220	190	191	159	169	192	239	272	266	264	294	285	288	290	288	284	253
24	289	283	292	295	276	286	274	136	159	179	131	208	92	123	78	158	273	267	268	274	285	284	287	284	228
25	286	284	278	278	278	274	228	230	257	265	262	242	231	242	245	247	267	267	268	272	275	275	279	280	263
26	280	279	280	277	271	279	276	288	300	301	293	291	289	286	286	280	276	280	288	290	290	296	305	298	287
27	278	275	271	270	270	268	268	266	267	266	266	263	244	242	238	253	261	262	267	272	266	282	313	294	268
28	295	300	344	377	340	302	248	163	21	101	135	156	40	72	123	150	169	223	257	259	268	277	280	281	216
29 D	297	318	289	273	268	269	266	269	205	87	199	129	-5	-20	179	184	200	211	227	293	316	280	273	277	220
30 D	291	291	295	341	307	306	293	235	267	238	276	177	172	198	130	162	185	183	281	343	334	324	295	285	259
31																									
Mean	296	299	301	302	298	292	272	257	250	245	232	234	212	227	249	258	270	275	284	292	295	296	296	295	272

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 218 Meanook — November, 1937.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H + ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	15	23	754	19	37	709	45	13	38	76.4	22	38	53.4	23.0	2	30	321	13	18	242	79	525	1
2	5	34	823	8	33	605	218	9	36	79.4	3	34	49.4	30.0	8	27	413	10	2	273	140	1106	1
3	7	29	768	8	24	679	89	7	28	72.9	8	16	50.2	22.7	1	32	313	7	51	118	195	1267	1
4 Q	6	13	765	12	48	711	54	15	20	67.5	6	6	54.6	12.9	20	30	307	6	26	103	204	1275	1
5 Q	5	43	770	19	27	715	55	16	32	69.4	6	0	53.1	16.3	5	41	318	11	36	288	30	248	1
6 Q	4	38	756	19	8	719	37	12	38	66.4	21	36	55.9	10.5	21	40	299	11	38	243	56	379	0
7	4	17	765	7	59	693	72	17	11	72.6	7	57	48.2	24.4	4	9	333	8	1	201	132	872	1
8	3	59	861	18	23	681	180	17	10	75.0	3	53	46.4	28.6	3	59	366	17	12	269	97	803	1
9	8	14	1068	12	44	494	574	4	56	79.4	8	17	39.3	40.1	8	13	419	12	44	125	294	2469	2
10	15	50	756	15	0	677	79	14	26	68.6	23	23	55.3	13.3	7	0	304	15	0	232	72	526	1
11	13	18	776	11	4	467	309	13	57	71.5	10	47	46.0	25.5	23	33	320	10	48	78	242	1827	1
12	3	32	790	11	5	641	149	16	18	70.6	7	59	53.7	16.9	2	22	353	11	6	196	157	1118	1
13	7	4	759	18	12	711	48	17	5	68.3	22	0	55.9	12.4	6	26	301	9	30	250	51	364	1
14	15	34	764	10	59	681	83	12	46	67.4	11	5	50.8	16.6	3	30	303	11	21	215	88	626	1
15 Q	12	59	761	18	49	729	32	16	7	65.6	7	23	58.0	7.6	1	0	290	9	18	274	16	136	0
16 Q	12	3	757	18	58	723	34	16	26	65.2	23	30	56.9	8.3	9	55	287	22	58	278	9	96	0
17	8	25	772	8	43	728	44	12	27	69.7	18	30	50.7	19.0	24	0	290	8	55	181	109	701	1
18 D	5	23	934	10	57	164	770	12	23	120.2	11	1	22.7	97.5	14	28	436	12	12	-190	626	4684	2
19 D	18	4	784	11	10	106	678	11	5	129.3	12	34	44.9	84.4	2	10	335	11	0	-90	425	3377	2
20	4	58	789	13	56	310	479	9	12	92.5	8	34	19.6	72.9	4	21	340	10	38	36	304	2408	2
21	4	24	778	12	27	535	243	3	58	80.2	19	39	49.2	31.0	2	4	322	12	11	147	175	1345	1
22	3	27	879	10	10	-30	909	9	31	96.4	10	11	31.3	65.1	21	11	362	10	7	-140	502	4126	2
23 D	5	19	796	8	17	188	608	11	42	80.1	12	36	31.4	48.7	1	12	355	8	44	127	228	2122	2
24	4	39	828	12	54	329	499	3	36	89.2	7	31	20.1	69.1	3	38	322	12	52	-38	360	2765	2
25	7	3	773	12	0	686	87	17	22	63.9	6	39	41.3	22.6	0	0	286	6	42	198	88	631	1
26	6	48	757	9	34	724	33	17	4	62.9	6	48	52.2	10.7	22	35	312	4	22	260	52	349	0
27	22	3	771	20	36	702	69	16	34	61.0	22	8	49.1	11.9	22	22	328	14	18	232	96	654	0
28	3	18	815	12	29	205	610	12	25	110.3	3	19	35.9	74.4	3	30	403	8	31	-66	469	3551	2
29 D	21	14	797	12	13	191	606	13	37	104.4	12	17	17.8	86.6	0	59	365	13	0	-131	496	3706	2
30 D	22	49	915	13	32	373	542	11	50	100.4	7	22	27.8	72.6	11	6	390	17	43	110	280	2345	2
31																							
Mean			803			528	275			79.9			44.0	35.9			336			134	202	1544	1.17
No. days			30			30	30			30			30	30			30			30	30	30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 219. Meanook. (H.) 12,000 γ + December, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	830	899	860	843	810	780	736	600	474	499	503	496	521	580	660	732	737	736	722	729	733	732	733	741	695
2	737	732	751	759	769	705	697	612	644	759	705	693	694	733	750	754	752	741	736	736	743	739	735	734	725
3	743	743	735	740	742	745	742	727	656	744	751	744	720	724	758	753	743	740	732	729	716	726	733	736	734
4 Q	737	743	736	741	737	742	723	719	706	684	710	758	749	750	760	759	751	740	738	741	741	737	744	748	737
5	757	762	762	766	765	762	760	757	748	750	756	758	756	759	758	760	760	752	749	741	734	734	740	748	754
6	755	758	759	747	743	761	768	758	756	750	737	667	711	719	742	760	751	750	741	734	730	727	741	747	742
7	750	756	759	766	767	766	758	753	718	627	745	748	753	755	746	752	738	678	678	720	715	720	733	743	735
8	750	745	766	766	762	767	753	747	743	743	737	726	734	710	650	699	757	743	740	730	725	727	744	745	738
9	753	757	747	756	770	763	755	752	750	747	750	751	751	750	747	748	744	740	733	729	720	728	736	743	747
10	745	752	745	755	756	755	759	753	738	728	753	755	744	649	681	764	755	743	729	735	730	738	743	754	740
11	763	751	763	768	764	781	739	770	760	752	730	677	608	729	764	764	756	745	738	735	742	742	746	745	743
12	741	748	762	760	757	763	756	754	754	752	751	755	755	756	755	755	752	744	744	743	740	740	744	753	751
13 Q	757	757	758	758	757	756	757	756	748	708	763	762	757	757	756	756	753	745	744	745	748	747	747	755	752
14 Q	758	762	760	759	758	755	754	756	752	755	758	758	759	762	762	758	748	747	748	751	747	746	748	758	755
15	765	768	767	767	764	763	762	760	759	760	755	740	747	768	766	766	757	751	748	749	750	751	758	766	759
16	768	767	761	759	761	761	761	761	764	764	764	765	765	765	764	763	757	749	747	749	750	752	757	760	760
17	764	763	765	765	766	762	761	760	761	759	759	762	766	765	763	766	757	747	746	748	747	744	749	754	758
18 D	758	760	753	745	749	752	749	757	748	724	501	435	489	553	636	626	675	686	640	704	713	718	758	751	682
19 D	753	758	740	733	728	718	686	394	432	549	366	437	674	721	752	755	701	647	725	697	735	742	748	743	664
20 D	753	762	752	760	758	762	753	727	704	572	709	715	736	715	741	757	746	707	727	741	734	736	739	743	731
21	749	751	758	761	760	752	749	751	749	749	750	751	751	755	757	756	742	725	720	726	730	724	734	744	746
22	742	744	753	752	756	753	746	740	717	726	707	694	656	704	707	726	723	721	729	727	726	733	737	741	728
23 D	746	748	752	748	749	752	748	737	595	459	485	383	78	-3	542	770	512	456	634	687	697	714	729	738	602
24 D	739	737	741	741	740	739	736	730	727	730	738	740	740	740	741	730	638	624	703	739	743	760	679	706	724
25	732	735	744	743	741	745	749	740	741	725	661	533	587	760	766	760	751	741	739	736	733	730	740	741	724
26	747	759	754	762	747	722	713	743	721	600	575	524	662	697	743	760	778	753	738	733	731	732	738	746	716
27 Q	752	750	754	754	756	756	754	752	752	746	759	761	761	761	764	767	763	754	744	736	735	740	747	756	753
28 Q	762	762	762	761	761	761	760	760	760	761	762	763	764	766	767	768	769	757	749	745	745	749	755	761	760
29	753	753	763	762	761	764	758	758	759	760	763	763	763	766	765	769	763	753	745	743	743	745	755	762	758
30	767	767	769	769	770	769	769	770	769	763	747	726	747	758	771	777	764	755	748	747	753	758	768	772	761
31	765	767	768	770	771	767	770	770	770	771	773	773	767	756	699	756	745	750	738	741	745	743	759	766	758
Mean	754	758	759	759	758	755	748	730	715	707	701	688	692	706	733	751	737	723	729	734	735	737	742	748	733

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 220. Meanook. (D.) East 25° + . . . ′ December, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	49.9	43.4	47.8	57.4	54.9	53.0	61.4	55.7	71.7	70.2	67.0	75.0	84.5	83.6	68.5	59.9	55.6	49.9	49.4	55.1	55.6	55.4	55.6	55.9	59.8
2	55.7	56.5	57.7	56.7	55.3	68.6	61.1	60.3	60.5	57.1	61.0	67.6	67.7	64.8	61.1	59.8	57.4	54.7	52.4	52.9	54.0	53.7	55.0	55.9	58.6
3	56.3	56.0	56.1	55.6	56.7	56.1	55.5	53.8	42.9	54.7	56.8	58.2	56.3	57.0	60.3	60.5	59.9	58.2	56.5	55.1	51.4	49.7	51.5	53.5	55.4
4 Q	53.5	55.2	56.4	56.5	57.5	57.1	57.3	58.1	57.5	49.2	57.5	59.2	57.3	57.7	58.2	58.4	59.5	58.3	54.3	54.4	53.8	53.7	54.1	54.4	56.2
5	55.1	55.6	56.0	56.0	55.6	55.4	55.4	55.6	55.2	55.4	56.0	56.0	57.2	57.9	59.8	62.9	60.2	58.5	56.7	56.1	55.7	55.2	54.7	54.2	56.5
6	54.3	55.4	52.7	55.2	56.7	54.6	56.7	55.4	55.1	56.1	58.2	60.4	64.1	65.6	59.5	62.1	62.4	60.1	58.2	56.2	55.5	53.6	50.2	52.9	57.1
7	55.3	52.6	54.5	56.2	54.7	57.2	56.2	56.9	62.0	64.8	60.1	60.5	57.8	58.1	60.2	66.2	63.3	51.4	43.6	50.5	53.6	54.1	54.6	53.9	56.6
8	53.4	56.4	55.6	56.1	59.0	59.9	58.4	56.7	55.6	56.7	59.0	55.1	60.6	56.2	51.2	60.4	66.2	61.7	59.0	53.9	51.6	51.0	50.7	51.4	56.5
9	53.8	53.4	53.9	58.8	57.2	56.6	56.5	56.2	55.6	56.5	57.2	59.3	58.8	59.3	60.2	61.1	60.6	58.8	58.7	57.7	56.3	54.4	52.6	53.5	57.0
10	54.3	55.9	57.6	55.9	57.6	56.6	59.9	58.0	56.4	54.3	57.1	58.7	61.0	58.7	52.0	63.1	60.9	61.1	58.0	56.1	54.5	51.5	54.1	55.2	57.0
11	51.5	55.7	57.6	57.2	55.7	63.8	46.6	58.6	58.3	59.4	60.1	56.7	55.2	62.3	60.5	63.4	62.4	60.3	57.8	56.5	55.5	54.4	53.9	53.9	57.4
12	55.7	56.2	57.1	56.6	60.9	56.4	56.6	56.9	57.1	57.4	57.2	58.9	58.4	57.8	59.5	60.2	61.4	59.9	57.7	57.2	55.7	54.7	55.7	56.2	57.6
13 Q	55.8	56.1	56.7	57.1	56.8	55.5	56.3	57.1	57.3	54.9	60.0	58.4	58.2	58.1	58.4	58.4	58.9	57.2	56.2	55.1	55.2	54.6	54.6	54.8	56.7
14 Q	55.8	56.3	56.4	56.5	56.4	57.2	61.2	56.7	56.6	56.5	56.8	56.9	56.9	57.0	57.5	58.6	59.0	59.2	58.8	58.2	56.4	55.4	54.6	54.4	57.0
15	54.4	55.3	56.0	56.5	56.9	56.9	56.5	56.1	55.8	55.9	56.2	56.5	59.1	58.8	58.9	59.2	60.3	59.9	59.0	58.2	55.8	54.3	53.9	54.7	56.9
16	55.9	56.2	56.8	56.3	55.7	55.3	55.2	55.2	55.4	55.9	56.3	56.4	56.6	56.8	57.1	58.1	59.2	59.0	58.1	57.1	55.9	54.3	54.1	54.3	56.3
17	54.7	55.3	55.3	55.6	55.6	56.0	55.8	55.1	55.3	55.3	57.1	59.0	58.5	58.3	59.2	59.2	58.7	57.0	54.2	53.3	52.4	53.1	54.4	54.6	56.0
18 D	54.8	54.8	54.3	54.8	54.2	55.4	62.6	65.7	58.4	58.7	69.9	100.4	111.5	80.5	78.9	64.8	54.0	54.8	42.5	47.1	48.9	45.5	46.4	52.0	61.3
19 D	58.8	59.9	59.7	59.6	59.2	58.7	69.5	70.7	54.0	76.7	64.5	67.4	67.2	64.4	58.7	62.3	53.5	37.7	44.7	54.4	48.2	47.3	50.0	53.8	58.4
20 D	56.4	56.7	56.5	57.6	56.4	62.0	59.5	57.2	53.3	49.9	58.2	62.8	58.4	59.5	57.6	60.4	59.2	58.5	53.7	53.6	51.9	53.6	53.9	55.5	56.8
21	55.1	55.6	57.3	59.8	56.2	56.2	56.9	56.0	55.3	56.2	56.5	56.5	56.9	57.4	58.0	59.3	62.5	62.0	56.2	56.0	54.6	55.1	55.6	56.2	57.0
22	55.3	56.1	58.3	61.7	58.2	57.2	57.1	59.9	60.6	61.9	59.9	63.8	63.9	62.9	66.6	60.2	56.2	53.6	53.4	51.7	52.7	53.6	55.0	55.4	58.1
23 D	57.1	57.7	56.6	58.6	59.0	60.4	58.1	59.2	67.8	53.5	76.2	106.6	96.5	66.9	82.0	61.0	60.0	52.7	47.7	53.8	55.4	55.3	57.3	58.4	63.2
24 D	58.3	58.1	58.4	59.2	59.4	59.5	60.1	59.1	58.4	58.6	60.6	60.9	60.7	60.7	61.5	64.6	63.0	63.1	67.8	58.2	55.1	57.0	55.3	59.1	60.0
25	57.8	59.4	60.1	60.3	60.6	65.4	69.8	60.8	59.4	59.9	59.0	54.8	67.0	63.1	64.2	64.5	63.3	63.1	61.2	60.1	58.7	57.3	53.9	55.3	60.8
26	55.7	54.1	58.3	60.3	59.6	62.9	68.8	64.5	58.0	57.6	48.8	63.6	69.3	66.5	56.6	59.4	61.7	62.4	60.8	60.1	58.0	57.3	57.1	57.1	59.9
27 Q	57.6	57.8	60.6	58.0	57.6	57.6	59.6	59.4	59.9	58.7	57.8	57.8	57.6	57.8	59.2	59.9	62.4	63.6	62.9	60.1	58.3	57.6	57.3	57.3	59.0
28 Q	57.3	57.8	57.8	57.8	57.7	57.6	57.5	57.4	57.3	57.5	57.8	58.4	59.0	59.8	60.6	61.5	62.2	62.2	60.1	57.8	55.5	55.3	55.8	56.3	58.2
29	56.9	58.0	58.5	59.4	62.4	55.7	57.8	57.6	57.6	58.0	57.6	57.6	59.2	58.3	60.1	62.2	62.9	60.8	57.6	55.3	54.8	54.8	55.3	55.8	58.1
30	56.2	56.9	57.6	58.3	59.6	57.6	58.0	57.8	57.3	57.6	63.1	75.7	62.2	64.2	66.5	65.2	62.2	61.7	59.6	55.7	53.7	52.5	53.4	54.8	59.5
31	57.6	57.8	57.8	58.0	58.3	57.6	57.3	57.3	57.3	57.8	58.0	58.5	60.1	60.6	58.0	72.1	61.2	59.0	57.6	56.0	49.5	48.1	52.3	50.7	57.4
Mean	55.5	55.9	56.6	57.5	57.5	58.1	58.7	58.2	57.5	57.8	59.4	63.1	63.8	61.6	61.0	61.6	60.3	58.1	55.9	55.6	54.3	53.6	54.0	54.9	57.9

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 221. Meanook. (Z.) 59,000 γ + December, 1937.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	273	364	356	380	333	295	276	281	265	269	179	187	134	114	151	246	247	233	289	292	290	293	291	292	264
2	298	302	336	328	352	249	233	101	168	301	260	227	202	227	267	276	275	285	288	288	293	293	292	289	268
3	288	298	304	320	309	298	289	247	118	261	288	278	259	244	269	279	282	284	281	284	288	289	290	293	277
4 Q	299	297	296	294	300	293	267	236	221	181	208	256	266	264	266	272	276	277	276	275	274	273	274	276	267
5	276	276	276	276	272	272	272	270	271	271	270	267	265	267	262	260	263	266	209	268	266	267	269	270	269
6	274	277	287	301	304	302	279	273	270	269	255	140	138	173	243	271	270	271	270	270	269	276	277	276	260
7	281	286	289	319	332	303	280	281	161	187	252	266	275	270	265	263	252	236	239	246	276	274	279	282	266
8	291	300	312	318	304	320	298	268	274	272	260	228	240	211	121	154	249	270	274	261	261	269	274	270	262
9	275	284	294	309	301	273	265	265	265	265	266	260	260	259	258	260	259	258	261	262	264	266	271	269	270
10	269	287	292	293	283	278	282	251	243	232	243	261	241	167	190	247	244	251	254	259	259	265	269	273	256
11	288	273	274	273	270	257	266	268	261	251	236	150	93	186	244	262	256	256	255	263	262	258	266	266	247
12	266	270	273	272	268	261	259	259	260	260	257	261	260	261	257	260	262	262	261	259	257	260	260	259	262
13 Q	259	259	260	259	259	259	261	258	256	157	230	259	257	257	257	258	258	258	260	261	259	255	257	256	253
14 Q	256	256	259	259	259	261	252	252	255	259	258	256	253	254	254	257	253	251	258	259	253	257	258	257	256
15	253	254	253	253	253	253	253	253	252	251	238	194	189	237	251	254	255	256	259	258	256	253	254	253	247
16	253	254	259	259	258	259	258	259	259	259	260	260	260	260	259	259	259	258	258	257	256	256	256	256	258
17	256	256	257	257	258	258	258	258	258	258	257	257	259	258	258	258	256	256	256	256	257	258	259	259	257
18 D	259	261	271	284	283	282	281	235	242	216	165	-29	-39	10	13	92	152	226	232	269	290	297	325	317	206
19 D	301	290	273	275	274	273	234	120	38	75	132	222	184	189	217	237	224	231	266	294	325	312	304	286	232
20 D	282	293	303	306	303	285	291	253	205	118	208	230	260	235	271	285	274	272	303	292	289	289	290	288	268
21	285	281	291	288	279	276	275	274	271	269	269	269	268	269	271	272	275	274	279	278	280	280	286	283	277
22	278	278	284	280	273	268	263	204	175	238	213	200	185	213	224	253	264	253	255	258	272	280	282	286	249
23 D	287	291	288	292	291	291	279	238	108	105	58	-98	62	120	194	248	203	163	216	311	297	284	284	285	212
24 D	284	280	279	275	272	270	270	266	260	265	267	267	267	266	269	265	221	232	298	294	305	302	275	283	272
25	272	272	272	265	261	266	239	232	260	248	181	78	70	233	261	258	257	257	257	258	258	260	260	260	239
26	268	275	270	271	270	262	229	230	219	218	142	91	-8	128	226	229	252	252	250	248	248	248	248	245	221
27 Q	241	245	253	246	243	243	229	216	186	209	232	234	235	235	237	238	238	239	240	240	238	238	239	240	235
28 Q	236	239	237	237	237	236	236	235	234	234	233	233	232	232	231	231	230	226	228	229	229	229	229	228	232
29	228	229	234	234	233	218	215	214	219	220	220	217	216	217	217	218	218	220	220	220	220	218	218	220	221
30	220	221	224	226	223	220	220	219	217	213	168	85	145	178	191	198	206	209	211	207	207	210	211	210	202
31	212	213	215	214	215	213	212	210	210	208	207	203	199	187	127	155	162	169	190	200	210	218	223	232	200
Mean	268	273	276	279	276	268	259	240	223	227	223	200	198	214	226	242	245	247	256	262	265	265	267	266	248

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS
Magnetic Character Figures

Table 222 Meanook — December, 1937.

Day	Horizontal Force						Declination						Vertical Force						Character	Magnetic
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +		Range	Maximum 59,000 γ +			Minimum 59,000 γ +		Range	$\frac{HR_H+ZR_Z}{10,000}$	Character (0-2)
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ		
1	1	34	998	8	18	373	625	12	47	94.8	2	26	-8.2	103.0	2	22	496	13	24	82	414	3245	2
2	7	25	833	8	7	438	395	7	36	94.0	7	53	23.0	71.0	4	58	370	7	45	-57	427	3030	2
3	9	27	783	8	39	582	201	16	52	61.7	8	37	27.8	33.9	3	18	335	8	36	40	295	2001	1
4 Q	14	44	764	9	59	654	110	7	5	62.3	9	31	44.1	18.2	4	36	306	9	40	140	166	1076	1
5	3	38	769	20	32	731	38	15	52	65.3	23	59	53.7	11.6	1	30	276	16	12	257	19	160	0
6	5	4	773	11	16	651	122	13	9	68.8	22	46	48.6	20.2	4	51	317	12	8	108	209	1393	1
7	8	22	807	9	6	541	266	9	5	78.2	18	37	40.0	38.2	3	59	356	8	46	32	324	2256	1
8	5	51	783	14	14	608	175	15	54	72.1	18	6	46.6	25.5	5	38	340	14	17	107	233	1601	1
9	4	48	774	20	48	708	66	18	6	65.1	8	58	49.3	15.8	4	2	344	13	59	245	99	670	1
10	6	1	765	13	41	596	169	16	0	67.1	22	22	52.9	14.2	3	36	294	13	37	145	149	1097	1
11	5	58	968	12	5	531	437	5	49	75.3	6	17	-19.8	95.1	5	52	327	12	1	21	306	2367	2
12	5	7	772	19	47	738	34	4	43	65.6	21	25	54.0	11.6	2	48	277	14	32	253	24	185	0
13 Q	10	28	775	8	34	680	95	9	53	63.6	9	8	46.4	17.2	6	42	264	9	31	100	164	1092	1
14 Q	6	21	765	21	37	740	25	6	26	66.5	9	5	53.9	12.6	5	50	262	7	58	247	15	121	1
15	14	9	775	11	47	720	55	17	16	62.8	11	47	51.5	11.3	18	50	262	12	0	169	93	621	1
16	2	48	770	18	20	747	23	16	28	60.0	21	50	53.8	6.2	12	0	260	0	30	253	7	70	0
17	15	39	774	17	35	739	35	16	12	63.6	20	50	51.8	11.8	22	58	260	16	20	253	7	85	0
18 D	13	28	803	10	53	217	586	11	59	139.1	18	37	29.4	109.7	22	39	342	12	3	-122	464	3490	2
19 D	14	43	796	10	43	221	575	7	50	108.2	8	15	23.1	85.1	10	52	353	8	3	-93	446	3369	2
20 D	4	43	870	9	24	478	392	5	2	70.9	9	31	40.4	30.5	4	47	353	9	23	34	319	2387	2
21	2	25	779	17	57	705	74	16	28	64.2	20	36	52.6	11.6	2	28	305	13	7	267	38	319	1
22	7	30	770	12	18	624	146	12	48	73.2	19	10	50.7	22.5	23	0	287	8	17	121	166	1170	1
23 D	15	5	825	13	24	-388	1213	12	7	163.5	9	3	23.8	139.7	12	38	720	13	54	-268	988	7388	2
24 D	21	7	790	17	16	575	215	18	26	71.2	19	36	51.5	19.7	18	48	347	17	9	166	181	1346	1
25	5	58	796	11	9	333	463	6	26	80.8	10	54	42.2	38.6	6	22	291	10	52	-17	308	2411	2
26	14	43	801	11	19	450	351	11	26	78.5	10	2	38.9	39.6	1	38	289	11	48	-70	359	2569	2
27 Q	8	19	778	20	43	734	44	2	23	65.2	22	59	57.1	8.1	2	40	255	8	43	164	91	594	1
28 Q	16	18	771	20	38	744	27	16	50	626	21	11	55.0	7.6	1	52	240	17	8	225	15	125	0
29	5	28	785	20	14	740	45	5	21	70.9	6	45	53.2	17.7	2	48	237	5	50	194	43	312	1
30	15	51	781	11	29	686	95	11	27	82.6	22	37	52.5	30.1	4	0	228	11	24	37	191	1252	1
31	23	4	782	14	23	675	107	15	36	76.4	21	58	44.0	32.4	23	8	241	14	43	104	137	947	1
Mean			799			567	232			77.2			41.4	35.8			317			101	216	1573	1.13
No. days			31			31	31			31			31	31			31			31	31	31	31

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

HORIZONTAL FORCE (gammas) (All Days)

Table 223. Meanook. 1936.

Month Season \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+10.9	+13.5	+15.5	+17.7	+21.3	+17.0	+10.0	+9.0	+2.5	-9.3	-23.8	-17.9	-19.4	-10.9	-3.2	+5.6	+6.5	-1.8	-11.8	-13.9	-14.1	-9.1	-1.3	+6.6
February	+13.5	+23.0	+23.4	+24.4	+26.0	+24.5	+17.6	+9.2	-2.0	-7.7	-19.9	-21.0	-13.9	-22.2	-13.5	-12.4	-11.9	-13.7	-14.4	-10.1	-7.8	+0.4	+2.6	+5.6
March	+12.7	+26.5	+32.4	+26.7	+28.5	+18.6	+5.2	-3.5	-14.0	-14.1	-13.4	-18.7	-15.5	-5.8	+5.2	+10.8	+4.7	-9.7	-21.4	-23.7	-19.0	-11.9	-4.7	+4.0
April	+49.2	+52.3	+56.8	+56.8	+42.6	+16.1	+1.1	-25.8	-64.3	-45.5	-32.9	-40.8	-34.0	-28.4	-27.3	-6.0	-15.1	-20.7	-14.4	-10.8	-0.2	+9.7	+32.6	+48.9
May	+30.4	+28.1	+30.0	+22.9	+14.4	+5.8	-7.0	-7.8	-27.2	-21.6	-18.8	-18.7	-31.7	-13.1	-1.2	+4.9	+1.6	-9.3	-16.9	-11.7	-4.2	+11.1	+17.9	+22.1
June	+25.5	+27.3	+38.1	+31.5	+24.7	+10.8	-18.1	-30.7	-45.6	-36.8	-27.8	-28.4	-15.6	+4.9	-2.6	+4.8	+8.1	+1.1	-4.1	-7.3	-1.7	+2.5	+14.7	+25.6
July	+36.0	+48.0	+46.2	+37.1	+28.0	+22.8	+16.1	-1.6	-24.8	-43.9	-51.4	-58.6	-60.7	-36.0	-19.7	-6.3	+10.5	+6.2	-3.0	+0.2	+3.1	+7.1	+15.0	+29.6
August	+9.0	+12.3	+14.1	+17.0	+16.0	+10.9	-2.1	+7.5	+2.4	+5.0	+4.2	+1.2	-7.2	+8.2	+8.3	+6.7	-5.1	-18.7	-25.1	-24.0	-20.5	-15.1	-8.2	+3.6
September	+8.5	+8.4	+10.0	+10.9	+14.6	+15.4	+3.5	+6.7	+5.1	-1.4	-5.3	-5.1	-1.4	+1.1	+4.4	-0.7	-10.1	-19.8	-24.1	-20.2	-12.4	-2.5	+5.2	+8.8
October	+15.3	+24.5	+28.9	+30.8	+25.1	+8.7	-1.5	-2.6	-17.5	-32.2	-29.4	-33.4	-16.3	-1.1	+13.4	+10.8	-2.5	-10.5	-14.9	-13.0	-4.8	+2.5	+9.0	+12.2
November	+9.9	+22.4	+27.1	+28.4	+15.2	+9.8	+9.9	-20.0	-23.1	-15.0	-8.4	-10.6	-12.9	-8.9	+0.9	+3.4	+1.9	-4.8	-10.3	-11.6	-8.0	-2.9	+3.3	+6.1
December	+9.1	+15.3	+17.5	+19.7	+18.2	+6.3	+7.0	-1.0	-4.1	-11.8	-22.2	-16.8	-9.7	-6.5	-3.5	+6.6	+7.4	+2.6	-5.7	-9.9	-10.3	-6.7	-3.2	+3.9
Year	+19.1	+25.1	+28.3	+27.0	+22.9	+13.9	+3.5	-5.1	-17.7	-19.5	-20.7	-23.2	-19.9	-9.9	-3.2	+2.3	-0.3	-8.3	-13.9	-13.0	-8.3	-1.3	+6.9	+14.8
Winter	+10.8	+18.6	+20.9	+22.6	+20.2	+14.4	+11.1	-0.7	-6.7	-11.0	-18.6	-19.1	-14.0	-12.1	-4.8	+0.8	+1.0	-4.4	-10.6	-11.4	-10.0	-4.6	+0.4	+5.6
Equinox	+21.4	+27.9	+32.0	+31.3	+27.7	+14.7	+2.1	-6.3	-22.7	-23.3	-20.2	-24.5	-16.8	-8.6	-1.1	+3.7	-5.8	-15.2	-18.7	-16.9	-9.1	-0.6	+10.5	+18.5
Summer	+25.2	+28.9	+32.1	+27.1	+20.8	+12.6	-2.8	-8.2	-23.8	-24.3	-23.4	-26.1	-28.8	-9.0	-3.8	+2.5	+3.8	-5.2	-12.3	-10.7	-5.8	+1.4	+9.8	+20.2

DECLINATION (minutes) (All Days)

Table 224. Meanook. 1936.

Month Season \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-3.12	-2.72	-1.58	+0.09	+0.68	-0.36	+0.32	+0.46	-0.47	-0.30	+0.52	+3.19	+2.24	+2.15	+2.10	+3.72	+4.34	+2.66	+0.53	-0.97	-2.66	-4.02	-3.62	-3.25
February	-2.44	-1.96	-1.87	-1.50	+0.23	+1.81	+0.26	-0.51	+0.11	+1.11	+0.65	+1.80	+4.38	+39.5	+3.70	+3.90	+3.26	+1.96	-1.44	-2.85	-4.09	-4.30	-3.44	-2.58
March	-4.89	-4.75	-4.03	-3.30	-2.45	-1.02	-1.11	+0.09	+0.72	+2.82	+2.79	+1.51	+1.53	+2.65	+4.30	+5.73	+6.46	+5.93	+3.25	+0.30	-2.60	-4.16	-4.62	-5.11
April	-6.51	-5.96	-5.09	-3.49	-2.69	-1.74	+0.11	-1.29	+1.69	+1.67	+3.30	+4.19	+4.72	+6.76	+7.61	+7.69	+7.08	+4.08	+1.34	-1.87	-4.09	-5.21	-5.96	-6.18
May	-6.37	-4.60	-4.24	-2.46	-2.42	-2.45	-2.83	-1.22	-0.18	-0.02	-0.08	+0.64	+3.97	+7.29	+8.75	+9.07	+8.72	+7.08	+3.00	-0.97	-4.16	-4.52	-5.65	-6.33
June	-5.80	-5.07	-4.58	-4.38	-4.76	-2.60	-1.15	-0.72	+0.43	+0.64	-0.53	+0.52	+4.45	+7.85	+9.19	+9.92	+9.54	+7.12	+3.78	-0.11	-3.91	-6.04	-7.09	-6.55
July	-5.91	-4.56	-3.96	-2.25	-1.90	-1.49	-2.33	-1.82	-1.36	-1.10	+1.07	+2.18	+4.85	+6.49	+8.80	+9.72	+8.75	+6.73	+3.65	-0.58	-4.72	-6.47	-7.14	-6.66
August	-4.14	-2.69	-2.33	-1.51	-1.71	-1.93	-1.41	-0.44	-0.48	-0.55	-0.51	+0.66	+3.18	+5.32	+8.28	+9.49	+9.67	+7.12	+1.60	-2.37	-5.80	-6.93	-6.74	-5.67
September	-2.97	-2.83	-2.73	-2.43	-2.65	-2.99	-2.54	-1.58	+0.19	+1.55	+2.73	+3.96	+3.93	+5.90	+7.22	+7.15	+5.69	+3.67	-0.10	-3.04	-4.93	-5.14	-4.48	-3.51
October	-3.41	-3.01	-2.67	-2.78	-2.19	-1.75	-0.97	-0.32	+0.28	+3.97	+3.69	+5.72	+4.74	+3.21	+3.41	+4.43	+3.86	+2.47	-0.54	-3.39	-4.12	-3.68	-3.46	-3.36
November	-2.32	-1.63	-1.18	-0.73	+0.02	-0.76	-0.39	-0.27	-0.34	+0.42	+1.36	+2.13	+2.24	+2.68	+3.27	+3.32	+3.33	+2.10	-0.32	-1.56	-2.26	-2.78	-3.14	-3.08
December	-2.11	-1.44	-1.18	-0.71	-0.36	+0.24	+0.14	-0.41	-0.24	+0.38	+1.01	+1.66	+1.63	+1.88	+1.15	+2.40	+2.92	+2.41	+1.15	-0.36	-1.82	-2.77	-2.78	-2.76
Year	-4.17	-3.44	-2.94	-2.12	-1.69	-1.26	-0.99	-0.60	+0.03	+0.88	+1.32	+2.35	+3.49	+4.68	+5.67	+6.38	+6.13	+4.44	+1.33	-1.48	-3.77	-4.67	-4.84	-4.59
Winter	-2.50	-1.94	-1.45	-0.71	+0.14	+0.23	+0.08	-0.18	-0.24	+0.40	+0.88	+2.20	+2.62	+2.66	+2.56	+3.34	+3.46	+2.28	-0.02	-1.44	-2.71	-3.47	-3.24	-2.92
Equinox	-4.44	-4.14	-3.63	-3.00	-2.50	-1.88	-1.13	-0.78	+0.72	+2.50	+3.10	+3.84	+3.73	+4.63	+5.64	+6.25	+5.77	+4.04	+0.99	-1.98	-3.94	-4.55	-4.63	-4.54
Summer	-5.56	-4.23	-3.75	-2.65	-2.70	-2.12	-1.93	-1.05	-0.40	-0.26	-0.01	+1.00	+4.11	+6.74	+8.76	+9.55	+9.17	+7.01	+3.01	-1.01	-4.65	-5.99	-6.64	-6.30

VERTICAL FORCE (gammas) (All Days)

Table 225. Meanook. 1936.

Month Season \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+11.9	+14.9	+20.0	+22.5	+22.6	+19.7	+11.7	+6.2	-10.1	-17.2	-27.6	-31.8	-30.2	-24.6	-16.0	-6.8	-1.1	0.5	+1.4	+3.6	+3.7	+7.4	+10.9	+11.5
February	+22.3	+29.9	+27.3	+25.9	+27.0	+24.4	+9.5	+2.3	-13.0	-17.2	-30.6	-36.8	-33.9	-31.0	-29.9	-25.2	-17.4	-11.9	-3.9	+8.5	+13.8	+18.7	+20.6	+20.7
March	+25.7	+28.0	+31.6	+34.8	+27.8	+16.7	-12.6	-18.0	-22.0	-28.1	-30.7	-40.1	-38.6	-26.7	-11.0	-3.1	-2.9	-2.6	-0.7	+5.5	+11.4	+16.1	+19.7	+21.2
April	+33.4	+35.6	+33.8	+18.5	+17.9	-4.3	-12.4	-21.3	-31.8	-32.9	-40.7	-41.3	-44.0	-42.6	-31.1	-14.8	-3.9	+4.9	-12.3	+20.7	+30.5	+37.9	+39.0	+37.5
May	+31.1	+29.9	+28.2	+21.8	+10.1	+2.4	-16.5	-28.9	-40.9	-45.4	-42.7	-33.6	-23.4	-13.6	-12.3	-1.7	+4.4	+5.0	+7.0	+13.8	+20.5	+26.7	+29.2	+30.5
June	+28.9	+23.9	+18.2	+17.1	+1.7	-9.4	-12.7	-19.0	-25.8	-19.9	-15.8	-17.8	-13.2	-5.6	-8.1	-2.5	-1.0	-0.5	-1.7	-0.6	+6.5	+12.5	+18.3	+26.8
July	+23.7	+27.6	+26.8	+21.4	+18.5	+11.2	-0.1	-17.1	-34.9	-36.3	-40.6	-17.3	-12.2	-21.9	-20.8	-0.6	+0.3	+1.0	+2.0	+5.1	+7.4	+14.3	+19.6	+25.1
August	+14.7	+13.9	+13.8	+12.6	+13.6	+11.0	-10.5	-15.7	-18.3	-12.4	-13.0	-15.5	-12.9	-8.0	-6.7	-2.6	-0.6	-1.6	-2.2	-0.4	+4.3	+9.2	+12.2	+15.4
September	+10.3	+9.4	+11.8	+13.2	+13.5	+12.2	-2.8	+1.0	+3.5	-13.6	-25.1	-23.8	-20.4	-20.8	-16.1	-7.9	-2.7	-0.1	+3.8	+6.7	+10.3	+12.6	+13.3	+12.2
October	+16.4	+17.4	+18.5	+19.4	+8.7	+6.1	+4.8	-0.4	-12.7	-30.7	-26.4	-32.7	-28.4	-20.9	-13.7	-3.0	-1.0	+0.2	+2.8	+9.7	+13.3	+17.1	+18.2	+18.8
November	+16.3	+22.3	+19.3	+16.9	+1.2	+4.1	+0.9	-6.8	-9.8	-12.8	-12.5	-15.3	-25.4	-30.7	-18.1	-12.7	-6.9	-0.5	+4.3	+8.1	+13.1	+14.2	+16.5	+15.6
December	+12.9	+13.3	+13.6	+13.7	+10.1	+6.9	+5.0	-8.7	-11.1	-12.8	-12.2	-16.5	-14.6	-11.1	-11.4	-3.7	-1.5	-2.0	-0.9	+2.1	+5.5	+7.1	+8.2	+9.8
Year	+20.6	+21.8	+21.9	+19.8	+14.4	+8.4	-3.0	-7.9	-18.9	-23.3	-26.5	-26.9	-24.7	-20.7	-16.3	-7.0	-2.8	-0.7	+2.0	+6.9	+11.7	+16.1	+18.8	+20.4
Winter	+15.8	+20.1	+20.0	+19.8	+15.2	+13.8	+6.8	-1.8	-11.0	-15.0	-20.7	-25.1	-25.8	-24.4	-18.8	-12.1	-6.7	-3.7	+0.2	+5.6	+9.0	+11.8	+14.0	+14.4
Equinox	+21.4	+22.6	+23.9	+21.5	+16.9	+7.7	-5.8	-9.7	-15.8	-26.3	-30.7	-34.5	-32.8	-27.8	-18.0	-7.2	-2.6	+0.6	+4.6	+10.6	+16.4	+20.9	+22.6	+22.4
Summer	+24.6	+23.8	+21.8	+18.2	+11.0	+3.8	-10.0	-20.2	-30.0	-28.5	-28.0	-21.0	-15.4	-9.8	-12.0	-1.8	+0.8	+1.0	+1.3	+4.5	+9.7	+15.7	+19.8	+24.4

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

HORIZONTAL FORCE (gammas) (Quiet Days)

Table 226. Meanook. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+3.8	+7.9	+9.6	+9.3	+8.6	+6.7	+5.8	+4.8	+3.3	+1.4	+3.3	+2.8	+5.0	+4.5	+4.2	+6.9	-0.4	-8.4	-14.9	-19.4	-20.5	-17.0	-6.3	-0.8
February	-2.9	+8.4	+6.7	+7.0	+5.1	+2.2	+2.8	+3.5	+3.0	+2.3	+5.4	+4.1	+1.1	-2.6	+2.9	+4.4	-1.3	-8.4	-12.4	-10.9	-9.4	-3.9	-4.2	-4.1
March	-0.9	+5.1	+9.5	+9.8	+10.2	+9.8	+9.6	+9.8	+10.3	+11.1	+9.9	+12.1	+12.1	+10.1	+10.9	+10.9	+4.8	-14.2	-29.6	-34.0	-31.2	-23.9	-14.9	-7.5
April	-1.5	+5.1	+6.1	+9.5	+9.3	+10.5	+12.0	+13.0	+12.8	-1.8	-5.8	+11.4	+12.2	+10.4	+10.6	+9.8	-3.4	-13.4	-20.3	-22.5	-21.7	-21.3	-14.1	-6.5
May	-0.9	+1.5	+2.9	+3.5	+3.3	+4.7	+4.6	+4.0	+6.4	+3.4	+6.8	+5.2	+6.8	+8.8	+12.6	+10.6	+4.4	-4.2	-13.1	-17.1	-17.3	-16.1	-13.3	-7.3
June	+4.3	+10.9	+13.5	+7.7	+5.2	+4.6	+6.0	+5.2	-0.2	+3.7	-6.1	+2.1	+3.7	+7.5	+10.9	+7.0	+2.8	-7.4	-13.4	-15.6	-17.3	-18.1	-14.9	-1.9
July	+5.5	+8.6	+7.4	+6.7	+4.2	+5.6	+5.5	+4.2	+3.6	+5.3	+3.8	+6.3	+12.1	+15.6	+18.9	+12.4	-0.6	-12.5	-23.0	-26.8	-29.3	-23.4	-12.6	+1.5
August	+6.4	+2.4	+2.9	+1.5	+0.9	+1.2	+5.6	+5.8	+5.5	+4.9	+8.5	+8.2	+6.6	+11.7	+13.5	+8.5	-3.8	-16.2	-19.6	-18.5	-16.3	-12.9	-7.8	+0.8
September	+1.7	+5.1	+6.7	+6.9	+8.5	+8.3	+10.9	+10.9	+11.1	+11.5	+12.1	+10.7	+10.5	+10.3	+8.4	+0.1	-12.7	-26.9	-30.7	-29.7	-20.9	-10.3	-4.5	+2.1
October	-1.8	+1.1	+2.7	+3.4	+3.4	+4.7	+4.7	+5.4	+5.8	+2.5	+5.1	+9.1	+7.9	+5.9	+7.1	+5.4	-3.0	-7.9	-15.1	-17.6	-13.2	-7.9	-5.7	-3.2
November	+2.6	+5.6	+4.4	+2.3	+1.7	+2.3	+2.3	+2.7	+3.3	+2.6	+2.8	+2.4	+4.2	+5.6	+7.6	+5.9	+2.3	-3.3	-8.1	-13.7	-14.9	-11.4	-6.4	-2.2
December	+0.9	+7.3	+6.9	+7.4	+6.8	+5.4	+6.0	+4.7	+3.9	+4.9	+5.4	+4.6	+4.0	+2.6	-0.1	+5.9	+2.1	-5.8	-12.6	-16.8	-16.2	-14.3	-10.1	-3.9
Year	+1.4	+5.7	+6.6	+6.2	+5.6	+5.5	+6.3	+6.2	+5.7	+4.3	+4.2	+6.6	+7.2	+7.5	+8.9	+7.3	-0.7	-10.7	-17.7	-20.3	-19.0	-15.0	-9.6	-2.8
Winter	+1.1	+7.3	+6.9	+6.5	+5.5	+4.2	+4.2	+3.9	+3.4	+2.8	+4.2	+3.5	+3.6	+2.5	+3.6	+5.8	+0.7	-6.5	-12.0	-15.4	-15.2	-11.6	-6.8	-2.8
Equinox	-0.6	+4.1	+6.2	+7.4	+7.8	+8.3	+9.3	+9.8	+10.0	+5.8	+5.3	+10.8	+10.7	+9.2	+9.2	+6.6	-3.6	-15.6	-23.9	-26.0	-21.8	-15.8	-9.8	-3.8
Summer	+3.8	+5.8	+6.7	+4.8	+3.4	+4.0	+5.4	+4.8	+3.8	+4.3	+3.2	+5.4	+7.3	+10.9	+14.0	+9.6	+0.7	-10.1	-17.3	-19.5	-20.0	-17.6	-12.2	-1.7

DECLINATION (minutes) (Quiet Days)

Table 227. Meanook. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-2.50	-2.22	-1.11	-0.47	-0.52	-0.58	-0.33	-0.65	-0.82	-1.50	-0.49	-0.33	-0.15	+0.17	+0.60	+2.24	+4.27	+4.87	+4.48	+2.34	+0.21	-2.15	-2.76	-2.66
February	-1.34	-0.87	-0.60	-0.36	+0.03	+0.24	+0.22	-2.25	-1.66	+0.38	+0.59	+0.98	+1.18	+0.35	+2.28	+4.00	+4.41	+3.34	+0.80	-1.57	-2.70	-3.20	-2.49	-1.64
March	-2.80	-2.14	-1.84	-1.56	-1.10	-0.88	-0.36	-0.36	-0.22	0.00	+0.12	+0.18	+0.16	+0.60	+2.00	+4.58	+6.90	+7.06	+4.36	+0.14	-2.98	-4.32	-4.04	-3.42
April	-4.53	-4.13	-2.76	-1.46	-0.60	-0.56	-0.23	-0.41	-0.17	+0.49	-0.50	+1.94	+3.18	+4.26	+6.31	+7.79	+7.67	+5.77	+1.28	-2.54	-4.86	-5.40	-5.29	-5.13
May	-5.85	-4.94	-2.85	-1.96	-1.45	-1.80	-2.00	-1.49	-1.08	-1.69	-1.48	-0.47	+1.51	+4.74	+7.25	+9.18	+9.61	+7.96	+4.50	+0.17	-2.74	-4.19	-5.18	-5.73
June	-5.22	-3.24	-2.08	-2.32	-2.24	-2.06	-1.97	-0.74	-1.29	-0.81	-2.19	+0.12	+3.22	+6.78	+8.41	+10.02	+10.25	+7.81	+3.90	-0.98	-4.42	-6.46	-7.40	-6.99
July	-4.45	-2.81	-1.53	-1.73	-1.69	-0.63	-1.06	-1.68	-0.60	-1.20	-1.34	+0.28	+2.88	+5.42	+7.70	+8.16	+8.34	+6.66	+3.69	-1.01	-4.55	-6.45	-6.55	-5.81
August	-3.31	-1.38	-1.91	-1.58	-1.03	-1.50	-0.99	-0.86	-0.63	-1.28	-0.75	+0.26	+2.18	+5.01	+7.96	+9.51	+9.20	+6.37	+0.98	-2.49	-5.38	-6.61	-6.58	-5.25
September	-2.18	-2.22	-1.97	-1.91	-1.63	-2.04	-1.82	-1.29	-0.81	-0.39	-0.06	+0.94	+2.32	+3.92	+5.49	+7.15	+7.09	+4.74	+0.46	-1.33	-4.57	-4.33	-3.16	-2.46
October	-2.21	-1.95	-1.65	-1.63	-1.33	-1.03	-1.83	-0.85	-0.03	-0.25	+0.35	+0.65	+0.85	+1.13	+2.67	+3.93	+4.15	+3.95	+2.09	+0.07	-1.25	-1.83	-1.85	-2.19
November	-1.44	-0.35	-0.40	-0.29	-0.44	-0.13	-1.29	-0.46	-0.39	-0.20	-0.13	-0.14	+0.88	+0.75	+1.60	+2.33	+2.50	+2.09	+1.01	+0.14	-0.55	-1.22	-1.91	-1.94
December	-1.46	-1.72	-1.38	-0.36	0.00	-0.28	-0.26	-0.28	-0.84	-0.34	-0.12	+0.28	+1.06	+0.58	+1.00	+2.06	+3.26	+2.66	+1.58	+0.68	-0.64	-1.54	-1.96	-2.06
Year	-3.12	-2.33	-1.67	-1.30	-1.00	-0.94	-0.99	-0.94	-0.71	-0.57	-0.50	+0.39	+1.61	+2.81	+4.44	+5.75	+6.47	+5.27	+2.43	-0.53	-2.85	-3.98	-4.10	-3.77
Winter	-1.68	-1.29	-0.87	-0.37	-0.23	-0.19	-0.42	-0.91	-0.93	-0.42	-0.04	+0.20	+0.74	+0.46	+1.37	+2.16	+3.61	+3.24	+1.97	+0.40	-0.87	-2.03	-2.28	-2.08
Equinox	-2.93	-2.61	-2.06	-1.64	-1.16	-1.13	-1.06	-0.73	-0.31	-0.04	-0.02	+0.93	+1.63	+2.48	+4.12	+5.86	+6.45	+5.38	+2.65	-0.92	-3.42	-3.97	-3.58	-3.30
Summer	-4.76	-3.09	-2.09	-1.90	-1.60	-1.50	-1.50	-1.19	-0.90	-1.24	-1.44	+0.05	+2.45	+5.49	+7.83	+9.22	+9.35	+7.20	+3.27	-1.08	-4.27	-5.93	-6.43	-5.94

VERTICAL FORCE (gammas) (Quiet Days)

Table 228. Meanook. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-2.9	-4.4	+8.8	+7.1	+5.0	+4.3	+3.3	+2.0	-0.9	-9.4	-3.6	-4.7	-4.9	-3.2	-2.0	-0.7	0.0	+0.7	+1.9	+1.6	+1.3	+1.2	0.0	-1.3
February	+3.4	+1.7	+1.8	+2.1	+4.3	+7.6	+5.7	-14.4	-3.8	-5.1	-1.0	-2.3	-6.1	-10.6	-7.1	-2.8	-0.6	+1.1	+2.0	+3.5	+4.1	+5.6	+5.3	+4.8
March	+2.7	+2.3	+5.1	+3.9	+2.9	+2.9	+5.4	+3.4	+2.0	-0.4	-3.4	-4.2	-7.4	-6.6	-1.2	+0.2	+0.2	-2.2	-4.5	-5.1	-1.1	+1.1	+2.3	+1.9
April	+6.2	+5.2	+7.3	+8.3	+7.1	+1.1	+3.0	+4.0	-0.8	-20.8	-28.9	-18.9	-6.3	-4.3	-3.8	+0.6	+2.8	+3.6	+1.1	+1.3	+5.7	+7.1	+8.8	+10.2
May	+9.9	+8.3	+6.1	+3.7	-0.5	+0.1	0.0	-6.8	-6.4	-26.6	-13.8	-5.0	-0.4	+1.2	+4.2	+5.0	+3.0	+1.0	-0.7	-2.3	+1.7	+4.5	+5.9	+7.3
June	+16.4	+13.1	+12.5	+6.1	+4.8	+5.5	+4.6	+0.3	-27.4	-24.2	-23.8	-5.4	-4.1	-2.0	+0.5	+1.6	+0.5	-1.8	-2.9	-3.8	+0.9	+4.2	+8.7	+15.6
July	+12.4	+9.5	+7.6	+6.4	+4.5	+1.4	-9.8	-9.7	-13.2	-7.4	-8.7	-8.2	-1.2	+2.9	+6.0	+4.4	+1.1	-3.8	-3.8	-4.1	-4.4	-0.4	+5.6	+12.6
August	+6.8	+3.1	-2.4	-2.7	-4.9	-4.4	-5.1	-5.0	-4.4	+8.5	-4.6	+0.3	+1.7	+1.4	+1.3	+6.2	+3.9	+0.3	-3.4	-1.3	+0.9	+3.8	+6.3	+10.4
September	+1.1	-0.6	-0.1	-0.1	0.0	-0.8	-0.3	+0.1	0.0	-1.0	-1.3	-2.0	-2.2	+0.1	+0.2	+0.4	+0.1	-1.9	-2.0	-1.2	+0.9	+3.1	+3.6	+4.1
October	+2.0	+0.5	+1.0	+0.7	+0.8	+1.3	-0.3	+0.8	-1.3	-8.4	-14.1	-8.6	-4.6	-2.7	+0.8	+1.7	+2.6	+2.5	+2.3	+4.0	+5.1	+5.8	+4.5	+4.2
November	+4.5	+6.0	+6.2	+6.3	+5.8	+3.4	-2.1	-1.3	+1.0	-2.3	-3.3	-7.0	-10.2	-5.7	-3.3	-2.4	-1.1	-1.3	-3.0	-1.2	+3.3	+2.2	+3.0	+3.3
December	+4.1	+5.4	+6.9	+6.4	+5.9	+4.8	+3.8	+1.9	-4.8	-4.1	-2.8	-6.5	-8.7	-12.2	-11.3	-1.8	-2.3	-2.4	0.0	+1.9	+3.0	+4.3	+4.2	+3.7
Year	+5.6	+4.2	+5.1	+4.0	+3.0	+2.4	+0.7	-2.1	-5.0	-8.4	-9.1	-6.0	-4.5	-3.5	-1.3	+1.0	+0.8	-0.4	-1.1	-0.6	+1.8	+3.5	+4.8	+6.4
Winter	+2.3	+2.2	+5.9	+5.5	+5.2	+5.0	+2.7	-3.0	-2.1	-5.2	-2.7	-5.1	-7.5	-7.9	-5.9	-1.9	-1.0	-0.5	+0.2	+1.4	+2.9	+3.3	+3.1	+2.6
Equinox	+3.0	+1.8	+3.3	+3.2	+2.7	+1.1	+2.0	+2.1	0.0	-7.6	-11.9	-8.4	-5.1	-3.4	-1.0	+0.7	+1.4	+0.5	-0.8	-0.2	+2.6	+4.3	+4.8	+5.1
Summer	+11.4	+8.5	+6.0	+3.4	+1.0	+0.6	-2.6	-5.3	-12.8	-12.4	-12.7	-4.6	-1.0	+0.9	+3.0	+4.3	+2.1	-1.1	-2.7	-2.9	-0.2	+3.0	+6.6	+11.5

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

HORIZONTAL FORCE (gammas) (Disturbed Days)

Table 229. Meanook. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+33.4	+29.3	+35.1	+36.1	+55.9	+39.7	+24.3	+12.7	+19.5	-16.1	-74.7	-37.1	-55.5	-36.6	-14.5	-0.1	+24.1	+7.9	-20.9	-10.5	+6.1	+18.1	+28.7	+35.8
February	+40.6	+46.3	+52.0	+62.3	+75.0	+57.7	+36.7	+30.6	-2.7	-10.2	-69.9	-121.0	-50.0	-67.7	-66.2	-59.7	-31.6	-26.9	-13.9	+16.0	+19.9	+26.6	+25.1	+31.8
March	+52.3	+74.0	+111.0	+95.9	+108.3	+36.8	-36.6	-64.9	-52.3	-58.2	-78.0	-92.3	-81.9	-58.2	-21.6	+18.3	+2.5	-10.6	-14.8	-13.9	-3.5	+11.0	+26.2	+50.7
April	+186.2	+183.0	+209.4	+227.2	+138.1	-38.9	-104.5	-121.9	-187.1	-176.8	-119.0	-154.0	-178.0	-177.2	-138.8	-18.1	-21.9	-35.9	-12.3	+14.7	+53.4	+82.4	+175.2	+213.6
May	+88.3	+54.1	+56.3	+42.8	+31.4	+21.8	-53.2	-30.9	-133.7	-62.9	-74.6	-83.6	-119.6	-80.4	-31.1	+14.5	+30.9	+16.4	+10.6	+20.2	+41.6	+85.7	+83.5	+72.7
June	+65.6	+57.1	+130.0	+137.2	+116.1	+48.2	-105.7	-129.9	-213.4	-154.7	-111.3	-148.6	-92.0	-7.5	-35.1	+4.2	+52.9	+45.5	+39.2	+33.9	+51.2	+58.2	+80.1	+79.4
July	+144.9	+159.4	+144.4	+92.1	+91.4	+77.6	+78.3	+21.6	-112.6	-137.4	-165.7	-260.4	-317.4	-231.5	-175.6	-111.0	+29.9	+63.7	+57.2	+80.8	+105.9	+107.8	+121.8	+134.9
August	+16.6	+25.2	+44.9	+49.3	+63.7	+36.7	-26.0	+8.2	-4.9	-14.3	-33.4	-29.6	-34.4	-13.4	-13.3	+3.3	-0.2	-15.8	-21.1	-17.3	-15.1	-14.9	-6.0	+11.0
September	+22.9	+22.2	+21.9	+26.5	+42.8	+54.3	-23.4	-3.6	-9.3	-10.8	-33.8	-60.7	-53.1	-50.6	-16.6	-12.3	-12.0	-6.0	-4.1	+8.6	+15.7	+24.7	+29.0	+28.1
October	+79.9	+112.6	+132.1	+133.1	+102.8	+3.3	-57.0	-39.2	-87.3	-195.4	-188.3	-210.4	-114.8	-42.7	+45.4	+53.5	+10.4	-3.0	+6.5	+26.0	+40.1	+50.5	+70.8	+71.1
November	+46.0	+77.2	+57.6	+66.2	+18.6	+4.8	+35.2	-138.6	-103.8	-63.2	-52.4	-53.4	-67.6	-54.0	-12.4	+16.2	+23.8	+14.2	+8.0	+14.0	+30.8	+37.0	+55.2	+42.0
December	+43.4	+51.1	+62.6	+71.4	+65.7	-0.8	+14.5	-11.5	-16.2	-58.9	-140.8	-105.7	-69.5	-59.2	-47.1	+9.4	+31.5	+33.1	+23.2	+15.9	+17.2	+18.6	+20.9	+30.4
Year	+68.3	+74.3	+88.1	+86.7	+75.8	+28.5	-9.2	-39.0	-75.3	-79.9	-95.1	-113.1	-101.9	-92.5	-43.9	-6.8	+11.7	+6.9	+4.8	+15.7	+30.3	+42.2	+59.2	+66.8
Winter	+40.8	+51.0	+51.8	+59.0	+53.8	+25.4	+27.7	-26.7	-25.8	-37.1	-84.4	-79.3	-60.6	-54.4	-35.0	-8.6	+12.0	+7.1	-0.9	+8.8	+18.5	+25.1	+32.5	+35.0
Equinox	+85.3	+98.0	+118.6	+120.7	+98.0	+13.9	-55.4	-57.4	-84.0	-110.3	-104.8	-129.4	-107.0	-82.2	-32.9	+10.4	-5.2	-13.9	-6.2	+8.8	+26.4	+42.2	+75.3	+90.8
Summer	+78.8	+74.0	+93.9	+80.4	+75.6	+46.1	0.0	-32.8	-116.2	-92.3	-96.2	-130.6	-141.0	-140.8	-63.8	-22.2	+28.4	+27.4	+21.5	+29.4	+45.9	+59.2	+69.8	+74.5

DECLINATION (minutes) (Disturbed Days)

Table 230. Meanook. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-5.18	-3.79	-3.76	-1.09	+4.26	-1.81	-2.61	+0.06	+0.13	+2.08	+2.95	+10.50	+5.08	+3.69	+4.80	+6.05	+3.76	+0.89	-4.27	-3.42	-5.33	-4.20	-4.43	-4.28
February	-4.71	-2.70	-3.49	-4.05	-0.24	+1.23	-0.65	-1.26	+2.27	+4.15	+4.88	-0.41	+9.99	+11.14	+8.57	+0.79	+2.06	+1.65	-3.37	-4.58	-5.61	-6.45	-5.58	-3.69
March	-8.38	-9.76	-6.78	-5.54	-5.82	-1.26	-3.13	+0.81	+2.53	+10.23	+8.43	+2.15	+3.37	+3.85	+5.15	+6.59	+6.67	+3.53	+3.40	+1.60	-1.54	-3.60	-4.28	-8.24
April	-10.91	-10.51	-11.78	-7.26	-7.72	-4.01	+2.07	-5.86	+3.66	+0.36	+6.21	+6.23	+6.33	+10.91	+11.42	+8.04	+9.56	+6.57	+5.11	-0.26	-2.80	-3.30	-5.71	-6.35
May	-7.90	-6.17	-7.40	-5.09	-3.90	-3.17	-4.06	-0.97	-1.96	+1.95	-0.14	+0.19	+4.35	+8.28	+10.73	+11.16	+9.01	+6.34	+4.21	+2.06	-1.57	-2.60	-5.63	-7.66
June	-6.91	-8.56	-9.37	-13.30	-15.51	-9.14	+4.18	+1.97	+5.48	+5.99	+0.62	+0.69	+8.15	+12.12	+13.43	+11.54	+10.23	+7.00	+5.64	+0.93	-3.00	-7.27	-8.32	-6.59
July	-9.82	-9.33	-10.01	-6.10	-5.73	-2.92	-5.46	-4.61	+0.84	+3.47	+4.31	+5.22	+12.66	+10.17	+13.67	+13.26	+5.51	+3.02	+4.12	+1.23	-3.32	-5.53	-6.51	-8.10
August	-5.50	-5.50	-4.75	-3.43	-6.00	-2.29	-3.13	+2.00	+0.21	+0.59	+0.46	-0.08	+4.44	+6.06	+8.93	+10.95	+13.00	+11.57	+1.31	-0.36	-6.57	-7.69	-7.48	-6.68
September	-3.41	-3.63	-4.29	-4.53	-4.41	-2.27	-7.52	-2.02	+1.84	+3.60	+3.20	+11.58	+8.44	+12.88	+13.26	+6.70	+0.48	-0.20	-3.77	-5.19	-6.31	-5.67	-5.05	-3.71
October	-7.01	-5.37	-6.80	-6.52	-3.98	-4.46	+0.89	+2.89	+0.35	+17.41	+12.32	+26.22	+19.44	+9.80	+0.47	+0.09	-1.93	-4.57	-9.04	-10.34	-8.96	-6.88	-6.91	-7.07
November	-3.60	-1.77	-3.29	-2.70	+2.64	-1.89	+1.07	-0.82	+2.50	+3.43	+7.15	+7.58	+3.68	+6.69	+5.67	+1.60	+0.64	-0.65	-4.29	-4.74	-3.18	-5.91	-5.71	-4.18
December	-3.09	-2.94	-3.84	-3.51	-2.78	+0.70	+0.63	+2.81	+2.96	+4.25	+3.81	+4.52	+3.70	+5.39	+0.29	+3.14	+1.75	+0.03	-1.18	-2.56	-3.07	-3.66	-3.38	-3.91
Year	-6.37	-5.84	-6.29	-5.26	-4.10	-2.61	-1.51	-0.41	+1.73	+4.79	+4.52	+6.20	+7.47	+8.42	+8.03	+6.66	+5.06	+2.93	-0.18	-2.14	-4.27	-5.23	-5.75	-5.87
Winter	-4.14	-2.80	-3.60	-2.84	+0.97	-0.44	-0.39	+0.20	+1.96	+3.48	+4.70	+5.55	+5.61	+6.73	+4.83	+2.90	+2.05	+0.48	-3.28	-3.82	-4.30	-5.06	-4.78	-4.02
Equinox	-7.43	-7.32	-7.41	-5.96	-5.48	-3.00	-1.92	-1.04	+2.10	+7.90	+7.54	+11.54	+9.40	+9.36	+7.58	+5.36	+3.70	+1.33	-1.08	-3.55	-4.90	-4.86	-5.49	-6.34
Summer	-7.53	-7.39	-7.86	-6.98	-7.78	-4.38	-2.12	-0.40	+1.14	+3.00	+1.31	+1.50	+7.40	+9.16	+11.69	+11.73	+9.44	+6.98	+3.82	+0.96	-3.62	-5.77	-6.98	-7.26

VERTICAL FORCE (gammas) (Disturbed Days)

Table 231. Meanook. 1936.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+30.6	+39.2	+34.0	+31.4	+41.4	+41.0	+22.7	+17.1	+10.5	-2.5	-58.1	-53.1	-56.9	-68.3	-63.9	-36.5	-6.7	-5.3	-5.0	+0.8	+6.4	+24.4	+30.8	+27.2
February	+38.2	+67.1	+56.1	+61.4	+69.7	+65.1	+36.0	+9.8	-30.1	-37.6	-46.0	-125.1	-94.5	-73.2	-77.6	-72.3	-38.4	-32.2	+0.9	+38.5	+43.6	+45.7	+49.3	+45.0
March	+69.7	+76.4	+82.3	+92.6	+73.0	+11.8	-17.9	-71.4	-14.8	-64.9	-82.4	-100.9	-81.5	-76.0	-36.1	+2.2	-0.4	-1.3	+10.8	+33.4	+38.6	+50.1	+60.4	+47.3
April	+74.8	+88.5	+102.8	+22.1	+32.4	-53.7	-66.0	-39.1	-28.0	-50.9	-55.0	-66.7	-123.3	-168.2	-115.7	-40.4	+1.3	+20.0	+39.9	+70.0	+84.1	+94.0	+95.3	+82.2
May	+59.1	+47.3	+54.9	+42.2	+9.6	-3.6	-60.6	-68.0	-99.6	-89.5	-98.9	-82.3	-21.5	-2.3	-23.3	-3.2	+15.8	+15.2	+19.6	+43.8	+57.2	+70.5	+63.7	+53.3
June	+27.0	+8.5	-9.0	+8.4	-35.9	-34.2	-50.0	-8.9	-19.6	+18.6	+32.7	-12.8	-20.0	-15.7	-28.8	-12.0	-7.9	+5.4	+7.2	+16.1	+34.6	+35.0	+32.7	+28.2
July	+35.4	+55.1	+48.4	+34.3	+28.4	+16.1	+18.0	-40.7	-79.0	-41.1	-72.0	-14.3	-5.7	-84.6	-105.9	-19.8	-17.1	+0.8	+13.1	+33.8	+35.7	+42.8	+61.3	+56.4
August	+20.6	+31.1	+36.9	+43.6	+67.5	+37.9	-40.4	-23.6	-34.3	-32.4	-24.4	-38.1	-51.9	-26.8	-18.8	-6.1	+0.2	-0.4	-2.3	-0.1	+11.6	+19.9	+14.1	+17.0
September	+31.4	+33.9	+36.3	+38.4	+46.3	+46.5	-34.0	+15.8	+30.9	-4.0	-65.4	-73.1	-82.5	-105.0	-72.4	-27.7	-7.4	+4.8	+21.9	+30.5	+33.4	+33.5	+35.3	+32.8
October	+45.7	+47.2	+40.7	+35.4	-11.3	-6.4	-8.6	+10.9	+17.8	-79.1	-61.6	-91.1	-68.3	-67.8	-34.7	-0.6	+0.3	+5.2	+12.2	+35.1	+38.4	+39.3	+49.6	+51.7
November	+31.7	+48.8	+42.1	+29.4	-24.3	+13.8	-1.0	-10.9	+17.6	+22.5	+0.2	-27.7	-80.3	-120.8	-71.5	-50.8	-14.7	+4.2	+20.6	+26.5	+35.4	+35.3	+40.6	+32.7
December	+27.1	+28.5	+33.6	+33.2	+14.0	+1.9	+6.5	-32.4	-2.6	-0.4	-28.1	-51.3	-34.9	-17.7	-27.6	-4.2	+4.8	+0.9	+0.1	+2.2	+8.6	+11.6	+11.1	+14.5
Year	+40.9	+47.6	+46.6	+39.4	+25.9	+11.0	-24.6	-20.1	-19.3	-30.1	-46.6	-61.4	-60.1	-68.9	-59.7	-22.6	-5.9	+1.4	+11.6	+27.5	+35.6	+41.8	+45.4	+40.7
Winter	+31.9	+45.9	+41.4	+38.8	+25.2	+30.4	+16.0	-4.1	-1.2	-4.5	-33.0	-64.3	-66.6	-70.0	-60.2	-41.0	-13.8	-8.1	+4.2	+17.0	+23.5	+29.2	+33.0	+29.8
Equinox	+55.4	+61.5	+65.5	+47.1	+35.1	-0.4	-56.6	-21.0	+1.5	-49.7	-66.1	-83.0	-88.9	-104.2	-64.7	-16.6	-1.6	+7.2	+21.2	+42.2	+48.6	+54.2	+60.2	+53.5
Summer	+35.5	+35.5	+32.8	+32.2	+17.4	+3.0	-33.2	-35.3	-58.1	-36.1	-40.6	-36.9	-24.8	-32.4	-44.2	-10.3	-2.2	+5.2	+9.4	+23.4	+34.8	+42.0	+43.0	+38.7

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

HORIZONTAL FORCE (gammas) (All Days)

Table 232. Meanook. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+8.7	+13.2	+13.9	+13.0	+11.1	+11.1	+7.7	+5.5	-0.4	-8.6	-10.5	-10.9	-6.9	+8.0	+11.2	+9.0	+4.8	-6.2	-17.6	-21.3	-20.7	-13.9	-2.8	+4.4
February	+9.1	+14.3	+27.3	+25.7	+26.0	+23.3	+23.1	+4.3	+4.0	-8.8	-22.6	-19.9	-20.1	-3.0	-5.7	-1.0	-6.2	-18.3	-19.6	-16.2	-15.3	-4.2	+0.4	+4.2
March	+20.3	+25.9	+31.1	+34.6	+35.7	+36.3	+20.5	+1.4	-11.3	-20.6	-53.3	-48.2	-38.8	-31.8	-11.4	+2.9	+7.7	-1.0	-8.3	-9.0	-4.7	+3.2	+5.2	+15.8
April	+64.1	+48.6	+42.4	+33.1	+21.0	+1.7	-7.2	-18.1	-26.7	-36.3	-34.9	-43.0	-23.4	-14.2	-19.2	-9.1	-12.5	-22.3	-24.0	-19.3	-10.8	+7.2	+46.0	+58.9
May	+63.1	+68.6	+58.7	+53.4	+22.6	+6.8	-15.7	-20.3	-30.7	-53.4	-58.1	-44.1	-30.8	-31.3	-14.1	-14.0	-6.3	-16.1	-21.5	-14.9	-2.2	+12.6	+34.9	+54.4
June	+53.5	+58.0	+49.1	+33.0	+30.1	+17.5	+5.9	-6.6	-24.7	-27.5	-51.9	-46.9	-37.7	-23.1	-14.0	-10.2	-8.1	-12.2	-20.5	-16.3	-11.0	+13.4	+17.4	+35.2
July	+52.1	+59.7	+49.3	+34.8	+28.9	+24.7	+7.7	-22.5	-36.4	-42.6	-32.4	-31.2	-43.0	-25.8	-18.2	-8.0	-4.7	-6.9	-11.3	-12.4	-7.5	+1.3	+16.4	+28.5
August	+22.8	+27.4	+23.0	+28.1	+20.7	+16.9	-4.5	-10.3	-12.5	-30.2	-14.8	-12.9	-3.3	+13.0	+11.9	+8.2	-6.6	-20.8	-26.0	-25.6	-18.4	-10.6	+0.7	+15.1
September	+14.4	+24.2	+26.3	+22.5	+7.2	+11.4	+11.5	+2.1	-3.2	-2.7	-20.2	-13.3	+4.3	+9.1	+9.1	+0.7	-13.9	-25.0	-31.3	-27.7	-14.9	-3.9	+2.3	+12.4
October	+58.0	+63.7	+51.6	+46.8	+37.2	+27.4	+6.0	-14.2	-56.9	-45.9	-32.4	-56.3	-71.4	-50.1	-59.4	-25.1	+7.9	+8.6	+3.3	+2.8	+12.0	+17.6	+28.6	+40.9
November	+19.7	+27.8	+30.7	+39.3	+35.7	+32.0	+22.2	+10.9	-16.0	-20.4	-46.0	-59.9	-56.7	-33.7	-6.9	+0.2	+8.6	-5.7	-10.6	-8.8	+1.5	+8.4	+12.5	+16.4
December	+20.3	+24.4	+24.6	+25.3	+24.1	+21.1	+14.0	-3.8	-18.2	-26.5	-32.6	-45.7	-40.8	-27.3	+0.3	+18.2	+3.9	-9.5	-4.0	+1.1	+2.1	+4.8	+10.1	+16.1
Year	+33.8	+38.0	+35.6	+32.4	+25.0	+19.2	+7.6	-6.0	-19.4	-27.0	-34.1	-36.0	-30.7	-18.4	-9.7	-2.3	-2.1	-11.3	-16.0	-14.0	-7.5	+3.1	+14.3	+25.2
Winter	+14.4	+19.9	+24.1	+25.8	+24.2	+21.9	+16.8	+4.2	-7.6	-16.1	-27.9	-34.1	-31.1	-14.0	-0.3	+6.6	+2.8	-9.9	-13.0	-11.3	-8.1	-1.2	+5.0	+10.3
Equinox	+39.2	+40.6	+37.8	+34.2	+25.3	+19.2	+7.7	-7.2	-24.5	-26.4	-35.2	-40.2	-32.3	-21.8	-20.2	-7.6	-2.7	-9.9	-15.1	-13.3	-4.6	+6.0	+20.5	+32.0
Summer	+47.9	+53.4	+45.0	+37.3	+25.6	+16.5	-1.6	-14.9	-26.1	-38.4	-39.3	-33.8	-28.7	-19.3	-8.6	-6.0	-6.4	-14.0	-19.8	-17.3	-9.8	+4.2	+17.4	+33.3

DECLINATION (minutes) (All Days)

Table 233. Meanook. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-3.33	-2.11	-1.41	-0.41	-0.35	+0.74	+0.84	+0.20	-0.54	+0.48	+1.26	+2.33	+0.29	+1.12	+2.04	+2.63	+3.65	+3.99	+2.42	+0.47	-2.79	-3.87	-3.78	-3.83
February	-3.21	-2.80	-2.35	-1.88	-1.67	-1.71	-1.66	-1.50	-0.03	+1.09	+1.79	+4.10	+4.80	+3.87	+3.63	+3.70	+4.80	+3.24	+1.75	-1.71	-3.52	-3.85	-3.56	-3.22
March	-5.35	-4.76	-4.16	-3.35	-2.58	-3.20	-2.35	-1.18	+1.02	+0.88	+5.19	+8.43	+4.14	+2.43	+5.01	+6.31	+6.97	+4.53	+1.60	-1.30	-3.30	-4.49	-4.93	-5.53
April	-8.03	-7.23	-4.53	-5.29	-2.97	-3.44	-2.25	-1.52	-2.15	+2.82	+1.24	+2.04	+4.73	+6.13	+8.53	+8.54	+8.88	+7.03	+3.91	+0.72	-3.04	-4.78	-4.11	-5.01
May	-5.37	-4.61	-3.92	-3.39	-4.05	-5.19	-1.84	-0.46	-0.43	-1.25	-0.94	+1.65	+4.88	+8.56	+10.20	+10.63	+10.41	+7.01	+2.62	-1.94	-4.32	-5.52	-6.03	-6.52
June	-5.88	-4.36	-3.34	-2.65	-2.98	-2.82	-3.04	-3.46	-2.67	-1.07	-1.17	+1.35	+5.57	+7.93	+9.82	+12.07	+11.50	+8.10	+4.29	-2.00	-5.14	-6.30	-7.10	-6.63
July	-6.09	-4.10	-3.82	-3.66	-2.74	-2.21	-0.79	-3.97	-1.69	-1.60	-0.40	+1.07	+6.15	+8.50	+10.94	+12.22	+11.81	+8.89	+4.26	-1.77	-6.46	-8.13	-8.24	-7.63
August	-3.65	-2.83	-3.33	-4.38	-4.55	-2.47	-2.68	-1.28	-2.06	+0.49	+0.05	+1.63	+4.69	+7.63	+9.73	+10.48	+10.12	+6.75	+1.93	-2.69	-5.53	-6.92	-6.43	-4.66
September	-3.27	-2.59	-2.37	-2.75	-1.90	-2.41	-2.31	-0.97	+0.68	+1.16	+1.72	+1.52	+2.62	+4.90	+7.24	+7.93	+6.77	+4.57	+1.72	-2.68	-5.05	-5.39	-4.77	-4.14
October	-3.95	-3.18	-3.48	-4.35	-4.12	-3.58	-1.67	+0.19	+1.09	+3.32	+4.84	+4.76	+4.88	+5.20	+4.00	+6.34	+4.88	+3.64	+0.75	-2.21	-3.58	-4.38	-4.57	-4.64
November	-2.45	-2.24	-2.29	-1.33	-1.20	-1.25	-1.28	-1.89	+0.18	+2.14	+3.87	+4.28	+3.85	+4.70	+3.89	+2.79	+3.47	+1.56	-1.47	-3.00	-3.15	-3.07	-3.01	-2.91
December	-2.50	-2.12	-1.34	-0.45	-0.50	+0.09	+0.71	+0.26	-0.45	-0.12	+1.45	+5.20	+5.85	+3.70	+3.05	+3.65	+2.40	+0.16	-1.97	-2.32	-3.58	-4.25	-3.93	-3.01
Year	-4.42	-3.58	-3.03	-2.83	-2.47	-2.29	-1.53	-1.30	-0.59	+0.69	+1.57	+3.20	+4.37	+5.39	+6.51	+7.27	+7.14	+4.96	+1.82	-1.70	-4.12	-5.08	-5.04	-4.81
Winter	-2.87	-2.32	-1.85	-1.02	-0.93	-0.53	-0.35	-0.73	-0.21	+0.90	+2.09	+3.98	+3.70	+3.35	+3.15	+3.19	+3.58	+2.24	+0.18	-1.64	-3.26	-3.76	-3.57	-3.24
Equinox	-5.15	-4.44	-3.64	-3.94	-2.89	-3.16	-2.14	-0.87	+0.16	+2.04	+3.25	+4.19	+4.09	+4.66	+6.20	+7.28	+6.88	+4.94	+2.00	-1.37	-3.74	-4.76	-4.60	-4.83
Summer	-5.25	-3.98	-3.60	-3.52	-3.58	-3.17	-2.09	-2.29	-1.71	-0.86	-0.62	+1.42	+5.32	+8.16	+10.17	+11.35	+10.96	+7.69	+3.28	-2.10	-5.36	-6.72	-6.95	-6.36

VERTICAL FORCE (gammas) (All Days)

Table 234. Meanook. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+14.4	+15.5	+19.1	+18.3	+17.4	+12.6	+0.7	-2.0	-5.1	-11.0	-20.5	-19.3	-19.7	-14.2	-7.5	-10.0	-10.5	-6.7	-1.9	+1.9	+3.4	+7.8	+9.8	+9.6
February	+16.7	+21.0	+23.3	+14.5	+17.7	+11.2	+1.3	+2.5	-8.7	-18.2	-19.1	-28.8	-33.4	-28.6	-21.5	-14.3	-13.9	-11.0	+1.4	+11.4	+16.8	+22.4	+21.6	+16.8
March	+21.1	+19.5	+17.4	+19.1	+19.9	+6.5	+0.3	-3.5	-16.7	-28.3	-21.8	-24.2	-23.7	-23.6	-22.5	-11.1	-4.6	-0.6	+4.1	+8.6	+12.6	+16.3	+17.5	+18.3
April	-5.1	+2.3	+7.7	+0.6	+3.7	+4.1	+8.0	-15.2	-17.0	-17.3	-8.7	-19.2	-14.7	-8.3	-14.3	-7.9	+0.9	+4.6	+9.7	+16.6	+20.5	+32.6	+21.9	-2.6
May	+30.6	+16.6	+24.9	+11.4	-1.6	+0.3	-5.6	-20.9	-25.2	-32.5	-38.6	-23.6	-16.8	-23.0	-24.9	-19.4	-6.0	+2.9	+6.5	+13.8	+23.2	+31.4	+36.1	+38.6
June	+42.2	+40.9	+25.7	+20.1	+16.2	+8.1	-3.5	-12.2	-17.0	-26.3	-45.8	-20.3	-18.4	-21.0	-32.2	-22.3	-13.4	-6.6	-5.1	+1.8	+0.6	+23.8	+23.3	+31.6
July	+43.0	+36.3	+29.1	+13.9	+9.8	+8.1	-1.0	-7.9	-13.4	-21.2	-19.1	-19.3	-27.9	-27.5	-33.0	-18.8	-14.3	-12.1	-6.7	+1.2	+9.4	+16.8	+22.3	+33.4
August	+22.2	+14.8	+15.2	+16.4	+3.7	-0.1	-9.0	-3.4	+7.5	-7.6	-17.1	-22.8	-15.0	-6.6	-7.1	-8.1	-9.8	-7.4	-5.8	-2.0	+3.5	+7.6	+13.5	+18.2
September	+22.5	+18.2	+18.8	+11.2	+8.6	+10.7	+2.1	-22.2	-24.0	-20.0	-28.1	-22.5	-13.9	-10.6	-9.4	-10.3	-6.2	-4.4	-1.4	+5.2	+15.0	+18.6	+21.1	+22.5
October	+32.9	+26.5	+21.1	+17.8	+15.2	+18.5	+11.2	-18.0	-34.6	-33.1	-39.3	-48.0	-54.2	-54.9	-32.5	-24.8	+0.2	+11.7	+19.2	+24.4	+29.2	+34.2	+39.2	+39.5
November	+24.5	+27.7	+29.6	+30.2	+26.0	+19.9	-0.1	-14.7	-21.5	-27.1	-40.3	-38.2	-60.0	-44.8	-22.8	-13.6	-1.9	+3.1	+12.1	+19.5	+22.9	+23.8	+24.0	+22.6
December	+19.0	+23.9	+27.5	+30.4	+27.7	+18.7	+9.9	-9.2	-26.1	-21.6	-25.7	-48.3	-50.9	-34.9	-22.0	-5.9	-3.4	-1.4	+8.3	+13.6	+16.6	+16.2	+18.7	+18.4
Year	+23.6	+21.9	+21.6	+17.0	+13.7	+9.9	+1.2	-10.5	-16.8	-22.0	-27.0	-27.9	-29.0	-24.8	-20.8	-13.9	-6.9	-2.3	+3.4	+9.7	+14.5	+21.0	+22.4	+22.2
Winter	+18.6	+22.0	+24.9	+23.4	+22.2	+15.6	+3.0	-5.8	-15.4	-19.5	-26.4	-33.6	-41.0	-30.6	-18.4	-11.0	-7.4	-4.0	+5.0	+11.6	+14.9	+17.6	+18.5	+16.8
Equinox	+17.8	+16.6	+16.2	+12.2	+11.8	+10.0	+5.4	-14.7	-23.1	-24.7	-24.5	-28.5	-26.6	-24.4	-19.7	-13.5	-2.4	+2.8	+7.9	+13.7	+19.3	+25.4	+24.9	+19.4
Summer	+34.5	+27.2	+23.7	+15.4	+7.0	+4.1	-4.8	-11.1	-12.0	-21.9	-30.2	-21.5	-19.5	-19.5	-24.3	-17.2	-10.9	-5.8	-2.8	+3.7	+9.2	+19.9	+23.8	+30.4

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

HORIZONTAL FORCE (gammas) (Quiet Days)

Table 235. Meanook. 1937.

Month / Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+4.0	+6.2	+9.3	+9.5	+9.2	+8.0	+5.3	+3.3	+3.8	+5.2	+5.9	+7.9	+8.1	+10.5	+9.4	+9.4	+3.1	-9.5	-19.6	-27.2	-25.9	-18.7	-17.2	-0.2
February	-1.7	+1.6	+4.2	+5.8	+8.9	+7.9	+10.0	+6.0	-2.3	-13.9	+5.7	+7.4	+1.0	+4.7	+11.3	+9.5	+2.4	-8.6	-16.9	-17.7	-11.8	-7.6	-4.0	-3.1
March	-10.2	-0.8	+6.2	+7.7	+7.7	+9.3	+8.3	+8.3	+10.1	+10.4	+11.2	+12.4	+12.6	+12.0	+10.2	+6.3	-3.7	-13.3	-19.3	-20.1	-20.1	-19.0	-15.4	-11.2
April	+1.4	+9.2	+11.8	+12.6	+12.2	+13.0	+11.5	+10.9	+12.1	+11.5	+10.3	-6.3	+6.7	+11.5	+14.5	+10.7	-1.3	-16.1	-26.0	-28.6	-28.8	-24.2	-19.6	-9.6
May	+1.9	+6.4	+9.8	+13.5	+6.1	+7.6	+2.8	-18.9	+4.1	+11.2	+7.8	+8.7	+14.5	+18.8	+14.0	+2.1	-6.9	-19.2	-24.4	-21.5	-15.7	-14.6	-7.0	-1.3
June	+30.0	+10.8	+8.6	-2.7	-6.3	-9.3	-6.1	-3.1	-6.3	-6.8	-2.6	-9.8	+7.6	+18.4	+19.6	+13.9	+3.7	-8.5	-16.1	-17.7	-18.5	-11.0	0.0	+12.6
July	+17.6	+22.4	+13.9	+11.9	+9.6	+3.6	-8.1	-29.1	-10.4	-14.4	-4.1	+7.9	+13.7	+19.1	+21.2	+13.4	-0.9	-8.7	-20.0	-23.0	-20.5	-22.1	-7.6	+15.0
August	+3.1	+2.4	+6.0	+9.9	+10.6	+6.8	+6.7	+6.3	+8.4	+7.5	+5.3	+11.2	+13.4	+16.3	+13.5	+4.0	-10.3	-23.7	-27.4	-28.6	-20.9	-11.8	-6.4	-1.5
September	+2.2	+6.7	+3.7	+7.2	+8.0	+9.3	+10.5	+2.0	-22.6	-0.3	+8.7	+7.4	+11.2	+12.9	+12.7	+3.4	-12.4	-17.1	-19.5	-19.2	-14.8	-7.1	+1.1	+5.6
October	-1.4	+9.7	+11.5	+15.2	+16.1	+13.5	+10.8	-1.8	-7.9	-1.4	-3.4	+7.9	+17.5	+16.6	+6.8	-2.7	-2.4	-11.2	-21.1	-22.9	-19.2	-14.1	-11.3	-4.4
November	-1.2	+5.1	+8.0	+8.1	+7.6	+8.3	+5.9	+7.2	+6.5	+7.4	+7.5	+5.6	+4.0	+7.1	+9.2	+4.1	-7.2	-16.7	-20.3	-19.0	-14.5	-10.4	-7.5	-4.4
December	+4.9	+6.2	+5.1	+5.5	+4.4	+4.4	-0.3	-1.5	-6.8	-19.8	-0.5	+9.2	+6.6	+7.5	+9.8	+9.4	+2.3	-4.1	-8.4	-9.6	-10.3	-9.9	-5.8	+1.3
Year	+4.2	+7.2	+8.2	+8.7	+7.8	+6.9	+4.8	-0.9	-1.0	-0.2	+4.3	+5.8	+9.6	+12.9	+12.7	+7.0	-3.6	-13.0	-19.9	-21.3	-18.4	-14.2	-8.3	-0.1
Winter	+1.5	+4.8	+6.6	+7.2	+7.5	+7.2	+5.2	+3.8	+0.3	-5.3	+4.6	+7.5	+4.9	+7.4	+9.9	+8.1	+0.2	-9.7	-16.3	-18.4	-15.6	-11.6	-8.6	-1.6
Equinox	-2.0	+6.2	+8.3	+10.7	+11.0	+11.3	+10.3	+4.8	-2.1	+5.3	+6.7	+5.4	+12.0	+13.2	+11.0	+4.4	-7.4	-14.4	-21.5	-22.7	-20.7	-16.1	-11.3	-4.9
Summer	+13.2	+10.5	+9.6	+8.2	+5.0	+2.2	-1.2	-11.2	-1.1	-0.6	+1.6	+4.5	+12.0	+18.2	+17.1	+8.4	-3.6	-15.0	-22.0	-22.7	-18.9	-14.9	-5.0	+6.2

DECLINATION (minutes) (Quiet Days)

Table 236. Meanook. 1937.

Month / Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-2.45	-1.77	-0.69	-0.14	-0.16	-0.36	-0.59	-0.71	-0.49	+0.06	-0.24	-0.44	-0.40	-0.10	+0.94	+2.29	+4.45	+5.07	+4.28	+1.54	-1.38	-2.89	-3.13	-2.63
February	-1.44	-1.62	-1.39	-1.25	-1.90	-1.82	-1.97	-1.25	-1.52	-0.22	+0.05	+1.51	+1.61	+0.93	+3.26	+4.32	+4.75	+4.23	+1.86	-1.06	-2.43	-2.21	-1.30	-1.06
March	-2.40	-2.91	-2.79	-2.48	-2.16	-1.99	-1.71	-1.62	-1.10	-0.55	-0.01	+0.52	+1.26	+1.83	+3.61	+5.40	+5.58	+4.45	+2.65	+0.44	-0.78	-1.37	-1.67	-2.10
April	-4.82	-3.63	-3.88	-3.12	-2.77	-2.42	-1.31	-1.16	-0.03	+0.33	+0.14	+0.49	+2.27	+4.20	+7.09	+9.01	+10.34	+8.67	+3.64	-1.27	-4.46	-5.66	-5.81	-5.72
May	-3.47	-2.07	-1.29	-0.37	-0.89	-1.29	+0.82	-1.34	-1.38	-2.40	-3.02	-2.42	+3.38	+6.76	+9.54	+10.26	+8.56	+6.16	+1.23	-2.61	-6.09	-7.35	-6.09	-4.73
June	-7.16	-4.32	-2.03	-2.73	-1.89	-2.13	-2.70	-2.94	-1.72	-0.98	-1.73	+0.85	+3.63	+5.59	+9.04	+10.02	+10.24	+7.18	+4.05	-0.79	-3.73	-5.51	-5.44	-4.88
July	-5.04	-3.28	-1.23	-1.13	-1.21	-1.00	-1.22	-2.08	-1.69	-2.41	-0.69	+0.76	+4.70	+6.61	+9.37	+10.17	+10.24	+7.54	+3.02	-1.61	-5.25	-8.21	-8.88	-7.42
August	-3.37	-3.13	-3.06	-2.94	-2.86	-2.89	-2.51	-2.18	-1.12	-0.48	+0.43	+1.65	+3.93	+6.45	+8.32	+9.92	+9.62	+6.47	+1.35	-3.28	-5.38	-5.28	-5.13	-4.59
September	-2.35	-2.12	-1.10	-1.25	-2.09	-3.02	-3.20	-2.35	-1.37	-0.72	+0.78	+2.05	+3.43	+5.80	+6.52	+7.41	+7.13	+5.02	+1.00	-2.43	-5.03	-4.88	-3.88	-3.29
October	-2.57	-2.60	-1.83	-1.46	-2.03	-1.42	-0.97	-1.10	-0.77	+0.24	+1.53	+1.38	+1.02	+0.91	+1.90	+4.79	+6.78	+4.55	+2.72	-0.31	-2.90	-2.11	-2.90	-2.91
November	-2.03	-1.68	-1.59	-1.48	-1.48	-1.81	-1.57	-1.38	-1.25	-0.72	-0.01	+0.81	+1.71	+2.13	+3.46	+4.95	+4.82	+3.01	+0.85	-0.48	-1.20	-1.59	-1.50	-2.05
December	-1.57	-0.92	+0.03	-0.36	-0.33	-0.52	+0.87	+0.24	+0.35	-2.12	+0.51	+0.68	+0.34	+0.63	+1.34	+1.93	+2.98	+2.69	+1.06	-0.27	-1.54	-2.05	-2.08	-1.91
Year	-3.22	-2.51	-1.74	-1.56	-1.41	-1.72	-1.34	-1.49	-1.01	-0.82	-0.19	+0.65	+2.24	+3.48	+5.37	+6.70	+7.12	+5.42	+2.22	-1.01	-3.35	-4.09	-3.98	-3.60
Winter	-1.87	-1.50	-0.91	-0.81	-0.97	-1.13	-0.82	-0.78	-0.73	-0.75	+0.08	+0.64	+0.82	+0.90	+2.25	+3.37	+4.25	+3.75	+2.01	-0.07	-1.64	-2.18	-2.00	-1.91
Equinox	-3.04	-2.82	-2.40	-2.08	-1.54	-2.21	-1.80	-1.56	-0.82	-0.18	+0.61	+1.11	+2.00	+3.18	+4.78	+6.65	+7.46	+5.67	+2.23	-0.89	-3.29	-3.50	-3.56	-3.50
Summer	-4.76	-3.20	-1.90	-1.79	-1.71	-1.83	-1.40	-2.14	-1.48	-1.57	-1.25	+0.21	+3.91	+6.35	+9.07	+10.09	+9.66	+6.84	+2.41	-2.07	-5.11	-6.59	-6.38	-5.40

VERTICAL FORCE (gammas) (Quiet Days)

Table 237. Meanook. 1937.

Month / Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+5.0	+4.9	+6.9	+5.0	+2.8	+1.9	+0.9	-1.2	-3.8	-3.7	-3.9	-4.8	-5.4	-4.3	-4.9	-3.2	-2.0	-0.1	+0.7	+2.4	+3.4	+2.5	+1.5	+0.6
February	+6.6	+5.6	+8.7	+11.1	+13.1	+11.8	+2.6	+0.1	-13.1	-35.1	-5.2	-9.0	-18.6	-18.0	-11.1	-0.3	+0.3	+1.8	+3.8	+6.5	+9.7	+10.9	+10.0	+8.0
March	+0.3	+0.7	+1.3	0.0	-1.4	-2.0	-2.1	-2.3	-3.9	-3.6	-3.2	-3.2	-2.8	-1.6	0.0	+0.1	-1.1	-0.7	+0.8	+3.0	+5.4	+6.9	+5.3	+2.9
April	+7.9	+7.6	+5.8	+6.3	+4.5	+5.8	+5.3	+5.0	+1.4	-2.3	-6.9	-26.0	-13.0	-3.9	-1.7	-2.2	-2.8	-3.5	-4.0	-4.1	-1.5	+3.6	+7.8	+10.5
May	+8.7	+6.3	+6.8	+10.0	+6.9	+8.7	-5.6	-17.2	-8.3	+0.1	-2.8	-5.6	-5.4	-3.8	-4.3	-6.9	-7.2	-6.4	-4.7	-2.3	+3.4	+6.2	+11.3	+12.9
June	+24.8	+14.9	+16.1	+0.4	-6.0	-9.3	-9.9	-11.8	-21.6	-25.1	-13.3	-16.8	-5.8	+0.5	+1.5	+3.2	+1.4	+0.7	+1.3	+4.0	+5.2	+9.1	+14.9	+21.8
July	+14.2	+17.2	+12.9	+1.9	+2.1	-1.0	-4.4	-33.1	-27.1	-18.1	-12.8	-0.4	+7.6	+9.2	+6.9	+1.3	-3.3	-3.8	-6.0	-5.3	+3.1	+6.9	+12.4	+18.8
August	+10.2	+7.4	+5.5	+3.9	+5.7	+1.8	-0.4	+0.1	-1.1	-7.3	-18.6	-4.8	+0.2	+0.8	-1.7	-3.3	-3.5	-5.8	-5.2	-3.7	-0.1	+4.3	+7.8	+8.8
September	+9.4	+11.8	+12.2	+10.6	+9.8	+7.8	+5.2	+0.4	-16.0	-33.6	-21.4	-18.0	-13.4	-8.4	-1.2	-2.0	+0.6	+2.6	+2.0	+3.2	+8.2	+10.2	+9.8	+11.0
October	+9.6	+8.4	+8.7	+9.1	+8.6	+10.4	+5.5	-17.3	-21.4	-11.8	-5.9	-1.7	-0.1	+1.1	-5.4	-20.6	-18.9	-7.1	+1.2	+4.8	+4.9	+11.7	+13.6	+13.1
November	+1.1	+1.2	+1.3	0.0	+1.5	+3.6	-3.2	+4.7	+0.4	-0.5	-2.0	-9.9	-12.7	-8.6	-1.3	+0.2	-0.3	-0.4	+2.2	+4.5	+7.8	+5.7	+3.2	+2.1
December	+6.7	+7.9	+10.0	+8.2	+9.1	+8.1	-1.0	-10.4	-19.1	-41.3	-16.8	-1.2	0.0	0.0	+0.9	+3.3	+3.4	+2.8	+5.3	+5.9	+4.0	+4.0	+5.3	+5.5
Year	+8.7	+7.8	+8.0	+5.5	+4.7	+4.0	-0.6	-6.9	-11.1	-15.2	-9.3	-8.4	-5.8	-3.1	-1.9	-2.5	-2.8	-1.7	-0.2	+1.6	+4.4	+6.8	+8.6	+9.7
Winter	+4.8	+4.9	+6.7	+6.1	+6.6	+6.4	-0.2	-1.7	-8.9	-20.2	-7.0	-6.2	-9.2	-7.7	-4.1	0.0	+0.4	+1.0	+3.0	+4.8	+6.2	+5.8	+5.0	+4.0
Equinox	+6.8	+7.1	+7.0	+6.5	+5.4	+5.5	+3.5	-3.6	-10.0	-12.8	-9.1	-12.2	-7.3	-3.2	-2.1	-6.2	-5.6	-2.2	0.0	+1.7	+4.2	+8.1	+9.1	+9.4
Summer	+14.5	+11.4	+10.3	+4.0	+2.2	0.0	-5.1	-15.5	-14.5	-12.6	-11.9	-6.9	-0.8	+1.6	+0.6	-1.4	-3.2	-3.8	-3.6	-1.8	+2.9	+6.6	+11.6	+15.6

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

HORIZONTAL FORCE (gammas) (Disturbed Days)

Table 238. Meanook. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+22.7	+24.2	+24.8	+24.7	+22.7	+27.4	+25.6	+19.9	-2.1	-49.0	-66.0	-80.6	-46.0	+16.6	+21.2	+7.9	+5.5	+2.2	-10.2	-12.9	-8.5	-6.4	+15.8	+21.1
February	+16.2	+31.6	+91.3	+80.9	+73.7	+55.3	+44.6	-41.6	-1.6	-30.6	-41.5	-43.1	-25.1	+13.7	-19.4	-24.0	-56.0	-77.2	-43.1	-12.1	-21.1	+3.5	+13.9	+13.4
March	+86.8	+84.6	+79.5	+100.5	+125.6	+136.0	+47.5	-12.5	-54.4	-107.2	-225.9	-272.4	-215.6	-177.7	-85.2	+13.4	+56.9	+56.7	+47.8	+43.2	+47.5	+70.7	+65.4	+88.4
April	+284.2	+174.6	+109.9	+65.4	+23.9	-75.8	-134.0	-129.1	-74.8	-118.1	-130.4	-154.8	-99.8	-92.4	-99.5	-46.4	-43.9	-33.4	-26.6	-28.3	+1.4	+72.3	+272.6	+282.8
May	+216.6	+212.1	+186.6	+153.5	+40.6	+31.9	-106.0	-51.3	-115.0	-185.9	-181.2	-176.9	-143.3	-177.6	-145.7	-124.8	-21.3	-15.8	-14.3	+13.8	+71.3	+118.8	+190.5	+223.4
June	+122.5	+109.1	+140.3	+118.1	+116.7	+90.3	+68.2	-5.0	-24.8	-74.2	-146.6	-173.4	-202.8	-158.2	-107.8	-69.8	-55.2	-32.4	-29.9	-5.9	+6.9	+113.5	+92.5	+106.7
July	+132.7	+177.1	+159.9	+112.1	+100.9	+71.3	+46.7	-88.7	-176.9	-186.1	-152.5	-125.3	-168.7	-105.9	-72.1	-38.1	-12.5	-6.9	+10.1	+18.1	+39.9	+82.9	+94.9	+86.7
August	+81.5	+123.2	+106.4	+133.1	+139.8	+49.5	-61.4	-101.7	-121.0	-200.7	-76.9	-26.2	-33.4	-16.5	-39.7	-11.6	-10.7	-8.8	-14.1	-13.2	-5.9	+8.0	+22.8	+78.3
September	+51.1	+73.2	+80.9	+72.6	-21.7	-2.0	+23.0	+7.1	-6.2	-34.3	-99.8	-79.5	-4.5	+14.0	+15.7	-4.8	-20.3	-37.8	-48.4	-34.9	-1.0	+20.3	+6.0	+30.5
October	+130.8	+160.7	+122.7	+95.2	+27.6	-24.5	-123.1	-127.0	-28.8	-11.3	-12.3	-69.4	-84.0	-126.3	-252.3	-100.2	+28.6	+45.5	+48.3	+39.6	+46.4	+65.5	+73.1	+75.0
November	+67.9	+79.4	+87.2	+94.7	+85.5	+66.0	+63.0	+62.1	-21.7	-22.2	-134.6	-243.1	-190.9	-116.8	-24.2	-28.7	+6.9	-35.0	-25.4	+2.3	+37.3	+52.6	+69.0	+68.1
December	+65.7	+69.2	+64.1	+62.2	+61.9	+62.0	+52.0	-13.1	-40.6	-74.7	-121.4	-138.9	-137.3	-135.2	+2.3	+47.8	-25.1	-55.2	+6.8	+34.9	+46.0	+55.9	+52.8	+58.7
Year	+106.5	+101.6	+104.4	+92.7	+66.4	+40.6	-4.5	-40.1	-55.6	-91.2	-115.8	-131.9	-112.6	-88.5	-67.2	-31.6	-12.3	-16.5	-8.2	+1.7	+21.7	+54.8	+80.7	+94.4
Winter	+43.1	+51.1	+66.8	+65.6	+61.0	+52.7	+46.3	+6.8	-16.5	-44.1	-90.9	-126.4	-99.8	-55.4	-5.0	+0.8	-17.2	-41.3	-18.0	-3.0	+13.4	+26.4	+37.6	+40.3
Equinox	+138.2	+123.3	+98.2	+83.4	+38.8	+8.4	-46.6	-65.4	-41.0	-67.7	-117.1	-144.0	-101.0	-95.6	-105.3	-34.5	+5.3	+7.8	+5.3	+4.9	+23.6	+57.2	+104.3	+119.2
Summer	+138.3	+130.4	+148.3	+129.2	+99.5	+60.8	-13.1	-61.7	-109.4	-161.7	-139.3	-125.4	-137.0	-114.6	-91.3	-61.1	-24.9	-16.0	-12.0	+3.2	+28.0	+80.8	+100.2	+123.8

DECLINATION (minutes) (Disturbed Days)

Table 239. Meanook. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-4.27	-2.65	-2.28	-1.66	-1.61	+0.63	+0.72	+0.36	-1.05	+2.49	+5.04	+11.52	+3.10	+3.76	+3.45	+0.29	-0.64	+0.02	-0.21	+0.59	-3.62	-4.38	-4.79	-4.75
February	-5.00	-2.86	-2.18	-1.20	-2.74	-2.94	-2.12	-2.94	+4.80	+4.00	+2.86	+3.84	+8.66	+4.32	+4.36	+2.60	+5.30	+3.60	+2.32	-3.24	-5.42	-5.76	-5.56	-4.80
March	-8.71	-8.53	-7.28	-6.92	-8.85	-11.91	-3.76	-2.72	+2.53	+1.05	+21.08	+44.12	+13.12	+1.24	+6.83	+5.49	+5.94	+1.70	-3.17	-5.13	-6.20	-9.50	-10.79	-9.53
April	-15.01	-15.43	-10.33	-15.85	-10.85	-11.49	-11.68	-8.76	-9.32	+4.36	-1.08	+4.74	+11.20	+13.42	+13.14	+12.20	+11.98	+8.90	+8.75	+7.43	+2.73	-1.59	+8.35	+4.11
May	-4.09	-6.56	-8.43	-9.52	-20.55	-22.26	-6.70	-3.15	-0.46	-1.65	-0.26	+10.27	+8.61	+10.16	+11.87	+9.26	+9.53	+7.94	+5.50	+2.67	+4.38	+4.25	+2.44	-3.23
June	-6.03	-7.15	-9.77	-8.30	-9.44	-6.40	-6.14	-10.16	-6.64	-3.95	+1.07	+2.65	+12.53	+12.67	+19.81	+19.30	+15.36	+8.70	+5.30	-4.80	-4.52	-1.71	-5.85	-6.45
July	-9.43	-8.41	-9.29	-8.17	-3.19	-6.83	-5.36	-11.44	+1.44	+0.92	+4.20	+4.38	+12.82	+11.24	+17.62	+17.56	+17.16	+14.20	+6.41	-2.47	-11.47	-10.61	-10.29	-10.97
August	-4.08	-2.18	-4.43	-9.33	-14.96	-4.30	-9.17	-1.15	-8.48	+7.10	+1.15	+2.49	+10.35	+12.75	+14.20	+14.26	+12.97	+7.13	+1.92	-3.16	-4.11	-7.41	-7.78	-3.86
September	-6.41	-4.78	-3.55	-6.62	-4.13	-3.26	-3.34	-1.87	+1.80	+3.31	+5.08	+1.55	+3.57	+6.02	+8.35	+9.40	+8.47	+6.76	+4.94	-1.03	-5.24	-5.87	-6.46	-6.61
October	-3.07	-3.78	-7.72	-13.33	-13.32	-8.72	-2.71	+1.61	+2.96	+2.31	+4.27	+4.96	+5.12	+15.07	+5.03	+13.32	+5.95	+4.31	+1.72	-1.88	-1.99	-1.96	-3.40	-4.71
November	-2.00	-1.93	-3.22	-3.65	-2.46	-1.09	-2.27	-2.68	+2.31	+3.46	+8.08	+12.22	+3.68	+10.71	+9.80	+2.09	+0.70	-3.17	-7.99	-7.56	-5.71	-1.82	-4.53	-3.02
December	-2.56	-2.22	-2.59	-1.74	-2.09	-0.56	+2.18	+2.57	-1.45	-0.37	+6.00	+19.72	+18.94	+6.46	+7.77	+2.63	-2.07	-6.68	-8.78	-6.67	-8.21	-8.39	-7.58	-4.42
Year	-5.89	-5.54	-5.92	-7.19	-7.85	-6.59	-4.19	-3.36	-0.97	+1.92	+4.79	+10.20	+9.31	+8.98	+10.19	+9.03	+7.55	+4.45	+1.39	-2.10	-4.12	-4.56	-4.69	-4.85
Winter	-3.46	-2.42	-2.57	-2.06	-2.22	-0.99	-0.37	-0.67	+1.15	+2.40	+5.50	+11.82	+8.60	+6.31	+6.34	+1.90	+0.82	-1.56	-3.66	-4.22	-5.74	-5.09	-5.62	-4.25
Equinox	-8.30	-8.13	-7.22	-10.68	-9.29	-8.84	-5.37	-2.94	-0.51	+2.76	+7.34	+13.84	+8.25	+8.94	+8.34	+10.10	+8.08	+5.42	+3.06	-0.15	-2.68	-4.73	-3.08	-4.18
Summer	-5.91	-6.08	-7.98	-8.83	-12.04	-9.95	-6.84	-6.48	-3.54	+0.60	+1.54	+4.95	+11.08	+11.70	+15.88	+15.10	+13.76	+9.49	+4.78	-1.94	-3.93	-3.87	-5.37	-6.13

VERTICAL FORCE (gammas) (Disturbed Days)

Table 240. Meanook. 1937.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+28.4	+29.5	+28.6	+26.3	+25.8	+30.3	+14.5	-0.8	-11.3	-17.2	-68.1	-47.2	-31.8	-22.5	-6.0	-14.7	-26.0	-18.7	-9.1	+4.2	+11.9	+21.0	+24.7	+27.2
February	+19.6	+44.4	+47.2	+3.0	+24.4	-10.4	-22.0	-8.0	-3.2	-7.0	+6.4	-21.0	-30.4	-9.2	-12.4	-33.2	-59.4	-57.2	-12.8	+22.0	+30.0	+36.8	+31.8	+20.0
March	+40.2	+38.4	+31.3	+33.5	+30.6	-6.4	-19.3	-2.3	-3.2	-35.0	-9.9	-57.3	-40.1	-66.5	-95.2	-51.6	-11.7	+7.9	+23.2	+28.4	+38.3	+43.5	+47.0	+37.4
April	-143.0	-99.6	-81.8	-90.1	-27.9	-0.1	+42.2	-9.8	+33.2	+28.3	+47.9	+19.7	+46.7	+54.1	+2.9	+16.0	+26.0	+33.2	+36.3	+40.5	+43.1	+78.0	+43.8	-139.0
May	+35.4	-39.7	+25.6	-71.7	-64.1	+6.4	-22.1	+11.4	-13.2	-46.9	-63.6	-14.3	-6.3	-30.8	-94.7	-84.2	-26.6	+14.3	+34.0	+64.3	+90.3	+108.0	+104.3	+84.2
June	+53.7	+42.6	-1.4	+15.9	+5.2	+32.2	+24.1	-8.3	+40.4	-11.7	-64.9	+31.8	-11.2	-60.9	-104.9	-73.4	-69.9	-30.5	-18.2	+2.6	+33.3	+79.4	+46.6	+46.9
July	+66.1	+42.6	+31.2	-18.7	+20.0	+0.5	+7.9	-7.8	-3.1	-10.8	-13.6	-16.3	-50.1	-90.2	-83.2	-30.9	-9.4	-13.9	+0.5	+16.6	+32.9	+50.6	+38.6	+40.7
August	+40.5	+2.1	+17.7	+42.7	-6.9	-27.5	-57.9	-24.9	+64.7	+67.7	+55.1	+8.3	-30.9	-33.3	-45.7	-33.3	-37.1	-20.5	-20.1	-12.7	-4.1	+4.1	+16.5	+35.3
September	+45.2	+16.8	+18.2	+5.4	-7.6	+21.0	+6.6	-22.8	-51.2	-30.8	-64.4	-22.4	-10.6	-9.6	-12.2	-10.6	-2.4	-10.8	-9.8	+3.6	+34.8	+35.6	+33.6	+44.6
October	+43.0	-20.0	-49.5	-37.3	-28.7	-8.4	+21.6	-15.5	+15.1	+35.3	+19.8	+19.8	-34.4	-57.6	-96.3	-50.7	+13.1	+24.2	+25.2	+26.9	+31.3	+37.9	+39.8	+44.4
November	+56.6	+60.7	+46.4	+37.7	+30.4	+0.5	-41.1	-13.6	-31.3	-58.0	-57.5	-16.4	-172.0	-107.5	-8.8	-15.9	+5.2	+17.1	+49.1	+73.0	+72.3	+61.0	+57.1	+54.4
December	+46.4	+46.6	+46.3	+49.7	+47.8	+43.2	+33.9	-14.9	-66.8	-81.8	-71.7	-119.5	-91.3	-74.3	-45.6	-13.2	-23.9	-14.1	+24.0	+52.8	+61.9	+57.3	+56.0	+52.0
Year	+27.7	+13.7	+13.3	-0.3	+4.1	+6.8	-0.1	-9.8	-2.5	-14.0	-23.7	-19.5	-38.5	-42.4	-50.2	-32.9	-18.5	-5.7	+10.2	+26.8	+39.7	+51.1	+45.0	+29.0
Winter	+37.8	+45.3	+42.1	+29.2	+32.1	+15.9	-3.7	-9.3	-28.2	-41.0	-47.7	-51.0	-81.4	-53.4	-18.2	-19.2	-26.0	-18.2	+12.8	+38.0	+44.0	+44.0	+42.4	+38.4
Equinox	-3.7	-16.1	-20.4	-22.1	-8.4	+1.5	+15.3	-12.6	-1.5	-0.6	-1.6	-10.0	-9.6	-19.9	-50.2	-24.2	+6.2	+13.6	+18.7	+24.8	+36.9	+48.8	+41.0	-3.2
Summer	+48.9	+11.9	+18.3	-8.0	-11.4	+2.9	-12.0	-7.4	+22.2	-0.4	-21.8	+2.4	-24.6	-53.8	-82.1	-55.4	-35.8	-12.6	-1.0	+17.7	+38.1	+60.5	+51.5	+51.8

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF

AVERAGE DEPARTURE OF THE INDIVIDUAL VALUES FROM MEAN OF THE DAY

Note:-The ranges are those shown in Tables 223 to 231 in the preparation of which the non-cyclic change has been eliminated

Table 241. Meanook. 1936.

Month and Season	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	45.1	8.36	54.4	30.1	7.63	18.2	130.6	15.83	109.7
February	48.2	8.68	66.7	20.8	7.61	22.0	196.0	17.59	194.8
March	56.1	11.57	74.9	46.1	11.38	12.8	203.3	19.99	210.5
April	121.1	14.20	83.0	35.5	13.19	39.1	414.3	23.20	271.0
May	62.1	15.44	76.5	29.9	15.03	36.5	222.0	19.06	170.1
June	83.7	17.01	54.7	31.6	17.65	43.8	350.6	28.94	85.0
July	108.7	16.86	68.2	48.2	14.89	25.8	476.8	23.68	167.2
August	42.1	16.60	33.7	33.1	16.12	15.5	98.1	20.69	119.4
September	39.5	12.36	38.6	42.8	11.48	6.3	115.0	20.78	151.5
October	63.0	10.40	52.1	26.7	6.36	19.6	343.5	36.56	142.8
November	51.5	6.47	53.0	22.5	4.44	16.5	215.8	13.49	169.6
December	41.9	5.70	30.2	24.2	5.32	19.1	212.2	8.43	84.9
Year	51.5	11.22	48.8	29.2	10.59	15.5	201.2	14.79	116.5
Winter	41.7	6.93	45.9	22.7	5.89	13.8	143.4	11.79	115.9
Equinox	56.5	10.88	58.4	36.8	10.42	17.0	250.1	18.97	169.7
Summer	60.9	16.19	54.6	34.0	15.78	24.3	234.9	19.59	101.1

Table 242. Meanook. 1936.

Month and Season	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	11.4	1.92	13.8	7.4	1.60	3.1	33.9	3.68	29.8
February	14.2	2.25	20.9	5.0	1.57	4.4	43.4	3.90	52.2
March	14.6	3.17	19.8	13.0	2.17	3.0	48.9	4.86	54.0
April	30.5	4.17	26.8	11.0	3.22	7.0	123.6	6.37	65.6
May	15.8	4.04	21.6	7.4	3.74	5.2	55.9	4.85	46.0
June	18.5	4.44	12.8	7.9	4.20	7.9	83.3	7.33	21.2
July	25.5	4.35	16.8	10.7	3.59	6.2	127.6	6.46	40.0
August	10.5	3.77	10.0	7.9	3.46	3.9	21.6	4.96	25.0
September	8.6	3.49	11.1	11.3	2.68	1.1	24.7	5.16	39.3
October	15.0	2.97	14.1	6.3	1.65	3.3	78.2	7.40	35.8
November	11.4	1.73	12.6	5.0	0.94	3.7	45.4	3.56	33.5
December	9.3	1.41	8.9	6.6	1.10	4.7	42.5	2.83	16.6
Year	13.5	3.05	14.9	8.0	2.86	3.5	54.7	4.65	34.9
Winter	10.7	1.74	13.8	5.9	1.18	3.6	34.4	3.21	30.6
Equinox	15.8	3.43	17.6	10.1	2.41	3.2	65.7	5.48	46.1
Summer	15.4	4.10	14.7	8.2	3.74	4.9	69.7	5.68	29.5

NON- CYCLIC CHANGE (24h.-0h.)

Table 243. Meanook. 1936.

Month	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	−0.2	+0.13	+0.9	+2.4	+0.38	+3.2	−4.5	−0.28	+4.7
February	+0.8	−0.09	0.0	−2.0	+0.17	−7.8	+2.0	+0.16	+6.2
March	0.0	−0.12	+0.6	+4.3	+0.01	+0.3	+20.9	−0.93	+16.1
April	+1.7	+0.03	+2.3	+4.9	−0.06	+0.7	−10.0	+1.83	+7.4
May	−1.6	+0.06	−2.7	+0.1	−0.27	−4.6	−18.6	+0.22	+5.2
June	+0.2	−0.19	+1.4	+5.1	+0.42	+2.5	+6.4	+0.20	+11.3
July	+0.1	+0.04	−1.8	+1.6	−0.93	−1.6	+27.4	+2.08	+17.0
August	−0.7	−0.10	−2.0	−0.8	−0.22	−1.9	−4.0	−0.35	−11.1
September	−0.2	+0.05	−3.2	+4.9	−0.40	−6.2	−3.2	+1.43	−3.3
October	0.0	+0.14	+0.4	+3.7	−0.47	−2.7	−3.0	+2.95	−2.5
November	0.0	−0.07	+0.6	−0.4	+0.20	−1.5	−0.1	−0.12	+17.2
December	+0.4	+0.11	−1.8	+0.6	+0.49	−7.2	−3.0	+0.15	+5.6
Year									

MEAN MAGNETIC CHARACTER

Table 244. Meanook. 1936.

Month	Numerical Character			Mean Magnetic Character of Day
	$\frac{HR_H}{10,000}$	$\frac{ZR_Z}{10,000}$	$\frac{HR_H + ZR_Z}{10,000}$	
January	186	934	1120	0.84
February	227	1117	1344	0.90
March	284	1207	1491	1.00
April	463	1642	2105	1.17
May	306	1352	1658	1.07
June	312	1232	1544	0.80
July	393	1340	1733	1.07
August	163	771	934	0.55
September	134	633	767	0.63
October	254	1083	1337	0.87
November	234	900	1134	0.90
December	126	620	746	0.84
Year	257	1069	1326	0.89

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 245. Meanook. 1936.

Month	−D Declination (East)		H Horizontal Force	Z Vertical Component	X North Component	−Y West Component	I Inclination North		F Total Force
	°	′	γ	γ	γ	γ	°	′	γ
January	26	5.6	12738	59328	11440	5603	77	52.9	60677
February	26	6.1	12731	59322	11433	5601	77	53.3	60676
March	26	5.1	12734	59355	11437	5599	77	53.5	60707
April	26	4.8	12724	59357	11428	5594	77	54.1	60709
May	26	2.8	12730	59333	11437	5590	77	53.4	60680
June	26	5.4	12730	59361	11433	5598	77	53.8	60713
July	26	3.5	12724	59336	11431	5589	77	53.8	60684
August	26	0.4	12734	59298	11445	5584	77	52.8	60650
September	26	1.3	12727	59219	11437	5583	77	52.2	60567
October	26	1.8	12717	59177	11427	5581	77	52.3	60528
November	26	2.7	12722	59193	11430	5586	77	52.2	60543
December	26	1.5	12730	59215	11439	5585	77	52.0	60565
Year	26	3.4	12728	59291	11435	5591	77	53.0	60642

RANGE OF MEAN DIURNAL INEQUALITIES FOR THE MONTHS, YEAR AND SEASONS OF

Note:-The ranges are those shown in Tables 232 to 240 in the preparation of which the non-cyclic change has been eliminated

Table 246. Meanook. 1937.

Month and Season	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	35.2	7.86	39.6	37.7	8.20	12.3	108.0	16.31	97.6
February	49.9	8.65	56.7	29.0	7.18	48.2	168.5	14.42	106.6
March	89.6	13.96	49.4	32.7	8.49	10.8	408.4	56.03	142.2
April	107.1	16.91	51.8	43.3	16.15	36.5	439.0	29.27	221.0
May	126.7	17.15	77.2	43.2	17.61	30.1	409.3	34.13	202.7
June	109.9	19.17	88.0	48.5	17.40	49.9	343.1	29.97	184.3
July	102.7	20.46	76.0	51.5	19.12	51.9	363.2	29.09	156.3
August	58.3	17.40	45.0	44.9	15.30	28.8	340.5	29.22	125.6
September	57.6	13.32	50.6	35.5	12.44	45.8	180.7	16.02	109.6
October	135.1	10.98	94.4	40.4	9.69	35.0	413.0	28.40	140.7
November	99.2	7.85	90.2	29.5	7.00	20.5	337.8	20.21	244.3
December	71.0	10.10	81.3	29.6	5.06	51.3	208.1	28.50	181.4
Year	74.0	12.35	52.6	34.2	11.21	24.9	238.4	18.05	101.3
Winter	59.9	7.74	65.9	28.3	6.43	26.9	193.2	17.56	126.7
Equinox	80.8	12.43	53.9	35.9	11.02	22.2	282.2	24.52	99.0
Summer	92.7	18.30	64.7	40.9	16.68	31.1	310.0	27.92	142.6

AVERAGE DEPARTURE OF THE INDIVIDUAL VALUES FROM MEAN OF THE DAY

Table 247. Meanook. 1937.

Month and Season	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	10.4	1.87	10.7	9.8	1.55	3.2	23.5	2.66	22.7
February	13.4	2.73	16.5	7.2	1.87	9.2	36.4	3.89	23.8
March	19.9	3.88	15.0	11.0	2.14	2.3	95.9	8.59	33.3
April	26.0	4.55	10.9	13.4	3.84	6.0	107.3	9.30	49.3
May	31.1	4.66	19.8	10.8	3.90	6.7	121.6	7.24	48.2
June	25.9	5.05	20.3	10.4	4.22	10.0	90.4	8.12	37.9
July	25.2	5.32	18.5	14.1	4.36	9.6	94.5	9.00	29.0
August	16.4	4.46	10.2	10.9	4.01	4.6	61.8	7.03	29.6
September	13.0	3.40	14.4	9.4	3.26	9.5	32.9	4.94	22.1
October	34.3	3.66	29.9	10.4	2.15	9.2	79.9	5.55	33.2
November	22.1	2.56	23.8	8.4	1.81	3.3	70.2	4.42	51.8
December	17.4	2.12	20.8	6.6	1.05	7.5	61.8	5.52	51.5
Year	19.5	3.58	16.8	8.5	2.77	5.8	64.7	5.65	21.5
Winter	14.6	2.19	17.8	7.3	1.51	5.4	43.1	3.74	33.2
Equinox	21.8	3.81	16.8	10.3	2.81	6.2	68.2	6.34	17.0
Summer	23.7	4.86	16.8	9.7	4.04	6.8	89.0	7.41	27.2

NON- CYCLIC CHANGE (24h.- 0h.)

Table 248. Meanook. 1937.

Month	All days			Quiet Days			Disturbed Days		
	H	D	Z	H	D	Z	H	D	Z
	γ	′	γ	γ	′	γ	γ	′	γ
January	+0.1	-0.18	+2.1	+5.9	+0.90	-1.2	+1.4	-2.30	+21.2
February	-0.3	-0.07	+2.1	+1.0	-0.37	+3.9	-8.9	+2.89	+4.7
March	+1.5	0.00	+0.4	+5.6	-1.31	-4.1	+13.3	+2.99	+13.4
April	+4.9	-0.18	+3.4	+4.9	-0.29	+15.8	+7.9	+1.46	+4.1
May	-3.4	-0.03	-1.0	+6.0	+0.45	+5.8	+12.2	+1.16	+7.7
June	-1.7	-0.04	-4.7	-38.9	-1.37	-49.2	+38.6	-1.97	+33.4
July	+0.5	+0.16	+1.1	+8.6	-0.08	-10.5	-4.8	+1.41	+3.1
August	-0.9	+0.03	-0.8	+1.4	-0.39	-8.8	+6.6	+2.31	+19.1
September	+1.8	-0.21	+4.1	+3.6	-1.08	-4.7	+22.0	-1.17	+36.4
October	-3.7	+0.26	-2.6	+3.3	+0.74	-8.6	-73.2	+0.62	-18.4
November	+3.0	-0.20	+0.9	+2.0	-0.68	-2.1	+17.9	+0.28	-6.9
December	-2.1	-0.10	-1.0	+6.1	-0.22	-5.9	-6.9	+0.56	+3.7
Year									

MEAN MAGNETIC CHARACTER

Table 249. Meanook. 1937.

Month	Numerical Character			Mean Magnetic Character of Day
	$\frac{HR_H}{10,000}$	$\frac{ZR_Z}{10,000}$	$\frac{HR_H + ZR_Z}{10,000}$	
January	141	598	739	0.71
February	264	1077	1341	1.07
March	358	1338	1696	0.94
April	443	1790	2233	1.10
May	473	1516	1989	1.06
June	410	1539	1949	0.93
July	394	1433	1827	0.97
August	340	1137	1477	0.84
September	256	1018	1274	1.03
October	644	2090	2734	1.36
November	348	1196	1544	1.17
December	294	1279	1573	1.17
Year	364	1334	1698	1.03

MEAN MONTHLY AND ANNUAL VALUES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 250. Meanook. 1937.

Month	−D Declination (East)		H Horizontal Force	Z Vertical Component	X North Component	−Y West Component	I Inclination North		F Total Force
	°	′	γ	γ	γ	γ	°	′	γ
January	26	1.5	12736	59196	11445	5588	77	51.5	60553
February	26	0.6	12727	59246	11438	5581	77	52.6	60600
March	26	1.8	12722	59273	11432	5583	77	53.2	60625
April	26	0.1	12739	59329	11450	5585	77	52.9	60682
May	26	0.4	12735	59341	11446	5584	77	53.3	60696
June	25	56.1	12737	59266	11454	5570	77	52.3	60623
July	25	57.8	12731	59235	11446	5574	77	52.2	60586
August	25	58.6	12728	59256	11442	5575	77	52.6	60605
September	25	59.2	12732	59256	11445	5579	77	52.4	60607
October	26	1.0	12702	59277	11415	5572	77	54.3	60620
November	25	59.8	12724	59272	11437	5577	77	53.0	60618
December	25	57.9	12733	59248	11448	5575	77	52.3	60604
Year	25	59.6	12729	59266	11442	5579	77	52.7	60618

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE

Values of c_n, α_n in the series $\Sigma c_n \sin(15nT + \alpha_n)$, T being Universal Time reckoned in hours from midnight

Table 251. Meanook. 1936.

Month	Declination								Horizontal Force								Vertical Force							
	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
ALL DAYS																								
	′	°	′	°	′	°	′	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
January	2.68	259	1.64	327	0.26	351	0.52	141	12.9	43	10.4	329	5.9	105	1.6	222	20.8	73	14.7	286	2.6	140	1.2	228
February	3.08	267	1.78	354	0.50	138	0.52	129	21.2	44	6.8	324	1.9	152	0.2	297	31.3	71	5.5	276	2.3	209	1.0	323
March	4.56	245	1.76	293	1.10	39	0.50	180	14.8	41	17.0	353	3.1	109	3.5	229	29.7	88	9.9	335	0.8	220	4.9	234
April	6.26	252	1.82	333	0.20	287	0.36	187	44.4	79	20.1	16	3.3	228	5.3	165	41.1	100	2.4	279	1.6	187	2.9	214
May	6.02	237	2.76	351	1.42	87	0.38	249	21.1	89	11.7	19	4.3	112	4.0	222	33.4	107	10.1	3	3.2	212	0.4	135
June	6.64	240	2.98	324	1.40	88	0.70	350	23.2	97	20.1	10	2.9	229	3.5	174	19.5	103	9.0	45	1.1	52	1.0	174
July	6.20	240	3.96	322	0.52	54	0.30	143	38.8	81	18.4	322	8.0	92	1.0	315	25.8	94	9.9	354	3.0	221	3.7	109
August	5.20	243	3.82	337	1.54	72	0.16	210	12.4	356	10.4	27	3.1	109	3.4	244	14.4	92	5.3	11	1.6	225	3.0	182
September	4.88	249	2.22	12	0.98	66	0.40	204	11.6	17	6.4	40	5.9	155	2.2	236	16.7	84	5.6	267	1.6	130	1.6	252
October	4.30	261	0.94	36	0.64	36	0.76	162	17.4	76	16.0	358	6.4	163	4.8	281	22.5	93	6.1	298	3.1	140	1.6	297
November	2.54	254	1.36	348	0.16	30	0.32	176	13.1	65	12.7	3	1.2	270	3.2	196	20.0	86	2.0	53	3.1	3	1.0	233
December	2.02	254	1.06	322	0.38	354	0.36	117	9.9	60	10.9	339	3.0	90	0.9	243	13.3	83	3.8	206	0.6	211	0.7	196
Year	4.50	293	2.08	337	0.64	62	0.24	166	18.2	65	12.5	357	2.8	129	2.1	221	23.6	89	5.1	329	0.9	168	0.9	238
Winter	2.54	280	1.42	338	0.18	54	0.42	139	14.1	52	9.9	339	2.4	118	1.3	219	21.3	77	4.9	290	0.1	135	0.5	248
Equinox	5.02	290	1.38	345	0.74	54	0.48	173	20.8	63	14.7	7	3.7	161	2.6	224	27.4	91	5.6	306	1.1	131	2.4	240
Summer	6.02	301	3.32	333	0.96	77	0.08	256	20.9	77	13.8	0	3.3	108	2.3	223	23.1	102	8.2	14	2.0	213	1.6	142
QUIET DAYS																								
Year	3.34	234	2.40	325	0.84	55	0.24	149	10.6	326	7.7	25	2.8	105	0.7	270	5.4	97	2.0	354	1.7	152	0.5	158
Winter	1.58	228	1.32	313	0.54	6	0.34	131	7.5	333	5.7	19	2.3	75	0.4	206	5.1	75	1.8	264	0.6	279	1.0	191
Equinox	3.38	238	2.18	328	1.06	61	0.44	158	14.1	328	7.7	33	3.8	132	1.0	253	4.8	89	2.1	301	2.3	138	0.9	302
Summer	5.00	237	3.82	330	1.14	69	0.10	127	9.9	317	8.9	26	3.5	105	0.9	315	6.6	107	5.4	27	2.6	150	1.1	80
DISTURBED DAYS																								
Year	7.12	255	1.08	24	0.32	108	0.04	180	83.7	89	29.4	327	3.3	90	11.6	209	53.0	90	7.1	256	6.8	359	6.4	227
Winter	4.94	275	1.44	37	0.26	202	0.34	139	52.5	83	22.0	312	5.1	117	4.8	228	47.9	73	13.9	238	6.9	23	4.4	233
Equinox	8.32	261	1.68	86	0.30	281	0.58	164	98.0	90	39.5	355	1.2	138	17.3	235	70.2	95	10.5	256	13.1	20	12.7	246
Summer	8.72	238	2.06	325	1.40	98	0.72	333	100.9	92	33.9	306	5.7	61	15.5	185	43.9	104	5.0	25	7.2	278	5.1	179

HARMONIC COMPONENTS OF THE DIURNAL INEQUALITY OF MAGNETIC FORCE

Values of c_n, α_n in the series $\Sigma c_n \sin(15nT + \alpha_n)$, T being Universal Time reckoned in hours from midnight

Table 252. Meanook. 1937.

Month	Declination								Horizontal Force								Vertical Force							
	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4	c_1	α_1	c_2	α_2	c_3	α_3	c_4	α_4
ALL DAYS																								
	′	°	′	°	′	°	′	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°	γ	°
January	2.46	255	1.76	304	0.74	357	0.54	117	8.0	12	11.4	3	6.4	117	0.9	276	16.5	72	4.2	320	1.3	198	1.7	283
February	3.76	251	1.32	2	0.50	7	0.54	126	18.5	35	10.0	337	5.0	149	2.5	275	24.8	81	4.5	240	1.3	203	2.8	274
March	5.58	249	0.98	346	1.04	2	1.04	165	27.9	67	18.6	315	7.4	124	2.4	228	22.6	89	4.3	307	1.4	214	0.9	145
April	6.68	235	2.06	319	0.52	81	0.60	187	38.1	78	19.0	44	8.7	115	2.0	143	14.8	116	6.2	234	6.2	236	2.1	221
May	6.70	236	3.34	341	1.32	93	0.46	310	46.1	82	21.8	24	5.7	98	1.5	323	31.1	103	2.5	104	2.8	197	3.0	98
June	6.86	232	4.28	340	0.90	74	0.24	190	38.0	72	16.1	7	7.8	104	2.1	331	31.2	82	6.0	40	1.2	121	3.9	66
July	7.30	238	4.72	338	0.54	56	0.44	90	36.5	75	18.1	5	3.6	69	3.4	107	29.2	78	4.6	85	3.0	50	2.3	83
August	6.24	238	3.50	350	1.64	78	0.22	56	13.6	47	19.6	22	5.9	166	0.8	293	14.9	79	3.0	60	3.1	92	3.4	298
September	4.68	246	2.36	348	1.38	66	0.32	220	14.7	29	13.4	33	5.7	144	4.5	312	21.7	96	4.1	17	4.5	201	1.0	107
October	5.24	252	0.84	25	1.08	39	0.18	153	52.6	82	14.2	327	7.0	23	7.3	138	41.8	96	10.4	254	1.7	111	5.0	139
November	3.50	261	1.40	35	0.22	0	0.68	170	31.2	69	18.3	308	9.3	125	5.7	248	35.7	89	11.0	286	1.2	350	3.9	220
December	3.34	272	1.64	17	0.42	221	0.52	99	23.7	80	14.3	322	7.4	130	4.0	257	30.7	84	11.3	293	0.2	90	4.1	227
Year	5.12	245	2.20	347	0.72	60	0.30	148	28.1	69	13.7	356	5.5	116	1.1	225	25.9	88	3.0	291	0.9	186	0.6	180
Winter	3.16	260	1.24	0	0.32	346	0.52	130	19.0	58	12.7	327	6.9	126	3.4	258	30.0	86	9.7	297	2.1	180	2.3	265
Equinox	5.52	245	1.46	344	0.86	44	0.52	182	32.1	72	12.2	359	5.3	110	1.6	165	25.1	96	4.4	267	2.8	215	1.8	146
Summer	6.74	237	4.02	343	1.28	82	0.08	63	33.3	74	18.8	14	4.7	108	0.4	0	26.1	86	3.5	65	1.5	101	1.8	59
QUIET DAYS																								
Year	3.72	234	2.50	335	0.88	63	0.32	169	9.1	329	10.4	30	2.7	153	0.4	236	8.8	97	2.8	15	2.2	202	0.8	274
Winter	2.08	228	1.34	323	0.62	37	0.34	147	7.9	327	8.0	20	2.5	148	0.7	188	7.9	98	2.6	313	1.9	224	0.8	295
Equinox	3.88	233	2.12	333	0.98	58	0.58	172	13.0	330	9.2	24	2.7	180	0.3	288	8.9	89	1.7	349	2.8	196	0.7	53
Summer	5.30	239	4.12	340	1.10	84	0.12	211	6.8	331	14.2	40	3.2	141	0.4	297	9.6	104	5.4	60	2.3	190	0.9	99
DISTURBED DAYS																								
Year	8.28	242	2.36	48	0.44	58	0.34	126	102.2	83	23.8	342	10.0	106	6.2	220	33.4	93	16.8	186	2.2	248	2.0	169
Winter	5.70	277	2.54	60	0.80	271	0.62	94	64.6	70	26.6	310	19.6	142	14.2	281	50.8	91	7.6	261	3.2	207	7.0	85
Equinox	9.62	238	1.80	86	0.76	22	0.90	145	109.6	90	17.0	14	20.6	57	7.4	192	15.8	128	23.0	197	5.8	241	7.0	147
Summer	11.14	226	3.40	20	1.62	88	0.12	279	135.8	84	35.0	354	5.2	201	9.8	157	36.4	84	28.8	162	3.6	350	4.8	125