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RECORD OF OBSERVATIONS AT THE MAGNETIC OBSERVATORIES, AGINCOURT AND MEANOOK 1938 - 1939

W.E.W. Jackson

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CONTENTS

Agincourt Observatory

Meanook Observatory

61273-9—1½

AGINCOURT MAGNETIC OBSERVATORY

Geographic Latitude 43° 47′ N — Longitude 79° 16′ W

Geomagnetic Latitude 55° .0 N — Longitude 347° .0 E

Officer-in-Charge: W. E. Ross — *Assistant:* F. Furnell

1938—1939

Introduction

The administration of Agincourt Magnetic Observatory was transferred from the Meteorological Service of Canada, Toronto, to the Dominion Observatory, Ottawa, on December 2, 1936. W. E. W. Jackson joined the staff of the Dominion Observatory in Ottawa and continued to be responsible for the operation of Canadian magnetic observatories.

Instruments

The same absolute instruments continued in use, namely, Elliott magnetometer No. 48 for declination, Toepfer earth inductor No. 89 for inclination, and a Schuster-Smith coil magnetometer for horizontal intensity.

The corrections on International Magnetic Standard adopted for these instruments are as follows:

for D, I.M.S. — Elliott 48 = −0′.8

for I, I.M.S. — Toepfer 89 = −0′.15

for H, I.M.S. — Schuster-Smith = 0.0γ

Variometers in operation were: a Kew-type set, a la Cour set of normal speed and sensitivity, and a la Cour quick-run set of normal sensitivity.

Scale values for the la Cour were, D=0′.91/mm; H = 5.11γ/mm and Z = 5.90γ/mm and for the Kew, D = 1′.28/mm; H = 5.20γ/mm, June to October, and 6.50γ/mm for November and December; and Z = 10.0γ/mm.

The root mean square values of the observed-adopted photographic base-line values were for D, ± 0.3 minutes; for H, ± 3 gammas; and for Z, ± 10 gammas.

MEAN VALUES FOR MONTHS AND YEAR AGINCOURT

Month	D West	H	Z	X	Y West	I North	F
1938	° ′	γ	γ	γ	γ	° ′	γ
January	7 36.6	15304	56593	15169	2027	74 52.1	58626
February	35.4	309	599	175	22	51.9	633
March	35.5	315	587	181	23	51.4	623
April	35.9	314	586	180	25	51.4	622
May	34.5	318	580	184	19	51.1	617
June	33.9	331	559	198	18	50.0	600
July	33.8	320	548	187	16	50.5	587
August	34.4	312	546	178	18	50.9	582
September	35.2	306	542	172	21	51.2	577
October	35.3	300	549	166	20	51.6	582
November	35.2	306	542	172	21	51.2	577
December	35.3	301	542	167	21	51.5	576
YEAR	7 35.1	15311	56564	15177	2021	74 51.2	58600
1939							
January	7 34.3	15310	56533	15177	2017	74 50.8	58569
February	34.9	297	534	163	18	51.6	567
March	34.8	293	539	159	17	51.9	571
April	35.5	286	544	152	19	52.3	574
May	33.8	299	538	166	14	51.5	571
June	33.6	309	522	176	14	50.7	559
July	33.5	293	520	160	12	51.6	552
August	33.3	285	529	152	10	52.2	559
September	33.3	291	524	158	10	51.8	556
October	33.4	272	515	139	08	52.7	542
November	32.6	285	504	153	07	51.8	535
December	32.4	279	496	147	05	52.0	526
YEAR	7 33.8	15292	56525	15158	2013	74 51.7	58557

MEAN ANNUAL VALUES AGINCOURT

Year	D West	H	Z	X	Y West	I North	F
	° ′	γ	γ	γ	γ	° ′	γ
1929	7 24.0	15586	57197	15456	2007	74 45.4	59282
1930	28.1	544	103	412	20	46.4	181
1931	31.9	520	010	386	34	46.3	086
1932	35.8	485	56924	349	47	46.9	58991
1933	37.7	453	837	316	51	47.4	900
1934	37.5	424	762	287	47	47.9	820
1935	37.1	391	704	255	41	48.9	759
1936	36.9	362	658	226	36	49.8	704
1937	35.9	333	602	198	27	50.5	643
1938	35.1	311	564	177	21	51.2	600
1939	33.8	292	525	158	13	51.7	557

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 1. Agincourt. (H.) 15,000 γ + January, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	342	336	332	331	322	329	329	330	337	343	344	344	329	310	298	293	306	319	337	346	340	342	335	330
2	339	337	337	330	335	336	336	337	337	334	334	330	338	335	305	298	303	310	312	330	337	342	346	340	330
3	332	349	342	336	337	337	336	332	337	336	341	340	340	330	298	276	275	291	304	315	327	338	339	342	326
4	339	335	329	325	318	329	335	335	335	336	345	339	332	275	257	313	315	303	305	306	282	300	325	325	318
5 Q	321	329	324	315	320	329	334	323	325	313	326	335	332	325	312	300	293	300	310	319	331	339	342	341	323
6	342	342	341	341	340	342	342	342	344	339	336	339	339	323	310	307	283	276	310	323	335	342	344	343	330
7	344	334	331	332	331	325	325	325	327	332	331	328	329	320	299	293	309	314	306	298	315	322	329	332	322
8	336	334	313	310	294	300	294	288	295	315	320	317	318	315	300	286	276	284	295	309	321	327	325	314	308
9	305	315	305	294	301	308	312	311	318	324	325	323	325	315	293	284	281	291	298	310	324	337	341	339	311
10 Q	337	329	327	323	335	333	335	331	332	330	334	335	335	330	326	310	297	303	311	319	329	341	345	344	323
11 Q	337	343	341	341	338	336	338	338	344	343	341	342	343	322	313	298	290	299	307	312	329	340	336	336	329
12	338	338	339	338	339	339	338	324	333	343	343	342	342	338	333	314	306	303	309	333	344	353	333	346	334
13	354	312	304	283	243	253	251	260	251	243	330	327	324	322	301	270	263	271	284	293	300	313	319	317	291
14 Q	319	319	319	321	319	314	314	311	310	326	328	324	325	320	300	297	293	292	304	314	321	329	336	341	316
15	339	330	328	334	335	326	321	302	319	329	334	332	333	328	314	301	291	282	292	302	314	331	327	326	320
16 D	326	328	328	328	328	328	326	324	325	328	330	334	341	333	328	300	275	298	307	317	327	340	345	444	329
17 D	441	467	426	412	338	295	291	243	161	230	295	251	078	-102	107	089	292	285	239	237	248	311	295	271	258
18	280	288	309	319	299	290	270	266	278	286	285	275	258	268	251	215	236	268	275	285	295	312	309	302	280
19	317	309	309	310	301	299	297	280	263	290	292	283	287	263	247	224	207	244	261	284	298	307	314	317	283
20	322	320	322	316	317	325	291	300	295	307	312	293	281	274	262	267	259	262	266	287	325	337	330	330	300
21	318	315	316	308	315	321	325	305	288	284	252	288	302	248	263	254	239	237	262	293	315	325	316	345	293
22 D	321	341	388	365	332	267	107	064	-019	-063	-107	-131	-082	-026	178	112	138	228	274	270	281	254	271	276	168
23	282	286	284	282	276	271	274	279	276	264	267	280	294	289	269	255	240	233	248	269	278	298	305	288	275
24	289	304	298	296	301	300	293	285	266	286	293	291	293	281	266	257	249	259	276	286	293	305	307	317	287
25 D	307	298	305	300	300	305	307	308	305	306	306	306	312	320	273	306	266	261	193	391	469	582	608	373	334
26 D	380	369	373	219	159	193	206	207	209	218	209	223	232	231	248	244	251	256	266	276	271	280	289	291	254
27	291	290	293	295	295	299	294	298	291	299	299	303	305	297	276	247	271	281	273	291	305	305	310	309	293
28	314	311	315	316	320	316	317	314	316	318	316	311	311	304	293	301	295	294	299	306	311	297	311	322	309
29	320	321	321	320	313	301	314	314	315	316	316	311	319	311	300	293	292	298	311	323	313	309	312	310	310
30 Q	316	314	311	323	322	323	321	320	321	321	323	320	318	312	309	301	299	305	314	306	302	301	322	333	314
31	326	316	321	324	324	324	314	314	299	320	331	339	321	321	312	274	277	306	316	339	384	401	296	301	321
Mean	328	328	327	319	311	310	303	297	292	296	301	299	296	282	283	271	273	282	289	306	319	331	331	327	304

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2. Agincourt. (D.) West. 7° + . . . ′ January, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	34.2	34.7	35.0	33.5	33.8	31.6	33.5	32.7	31.8	32.6	31.5	32.3	31.3	30.7	31.6	35.2	38.2	40.6	42.0	40.4	39.1	38.6	38.5	36.1	35.0
2	34.2	34.2	35.2	33.7	35.3	36.1	35.6	36.1	34.4	35.1	35.2	35.8	31.8	26.7	34.4	36.5	38.2	39.4	41.7	40.7	38.5	37.7	37.3	37.3	35.9
3	31.8	34.3	34.1	33.6	34.7	35.6	35.2	33.8	33.7	34.2	32.3	33.2	32.7	30.7	32.2	38.1	42.1	44.2	43.7	42.1	40.6	39.6	36.7	35.5	36.0
4	35.2	34.4	34.3	33.7	31.8	35.2	36.2	34.3	35.2	34.1	34.1	34.6	34.4	44.7	53.2	45.1	37.6	40.1	41.7	43.7	44.1	43.8	40.1	36.1	38.2
5 Q	26.2	35.3	35.2	35.2	35.3	32.3	39.1	36.2	32.1	37.7	39.2	34.2	33.2	31.7	32.4	34.3	36.4	38.8	39.5	38.6	38.1	36.8	36.2	35.6	35.4
6	35.5	34.8	34.7	35.2	35.3	35.7	35.4	35.2	34.7	33.7	34.8	34.4	33.1	32.4	34.1	36.1	39.6	47.7	47.2	41.7	39.6	39.4	38.1	36.7	36.9
7	36.2	34.6	33.0	33.2	32.9	34.1	35.2	35.1	34.2	34.1	34.0	34.3	33.1	29.7	32.7	41.7	43.4	44.4	43.3	42.1	41.2	42.1	38.1	32.2	36.4
8	34.7	33.2	33.4	28.2	39.6	36.2	33.1	37.6	33.6	36.6	36.2	35.3	33.1	31.4	32.3	35.9	39.1	41.3	41.7	40.7	39.6	39.2	39.2	36.2	36.1
9	33.7	35.8	28.0	24.2	30.2	32.8	34.2	34.8	35.6	36.3	33.5	34.1	33.1	29.3	28.5	32.2	36.6	39.6	41.3	40.5	39.2	37.7	36.5	35.9	34.3
10 Q	35.5	34.2	36.1	36.7	34.2	34.1	36.1	36.3	35.4	36.1	35.6	33.8	33.2	31.1	29.1	33.2	37.2	40.8	43.4	41.4	39.7	38.4	37.2	36.2	35.9
11 Q	35.3	35.1	34.3	34.4	34.8	35.6	36.1	36.0	35.3	34.6	34.1	35.6	33.7	30.9	29.5	34.6	38.6	40.7	42.3	43.4	42.7	40.4	38.4	37.0	36.4
12	35.5	34.4	34.6	35.2	34.2	34.2	35.1	37.4	33.3	35.5	35.7	34.6	33.2	31.2	28.7	31.7	36.4	40.0	46.6	49.3	46.5	46.1	38.7	40.4	37.0
13	46.6	33.2	25.2	23.1	30.2	27.0	30.4	38.1	42.4	52.6	37.6	36.3	34.2	31.7	32.2	35.6	39.7	41.2	39.8	41.3	41.0	39.2	37.2	36.2	36.3
14 Q	35.4	35.2	35.0	32.7	34.4	35.3	35.7	35.6	34.1	32.2	33.7	35.2	34.7	30.8	35.2	33.4	36.8	39.1	39.2	39.8	38.2	36.7	35.7	36.3	35.4
15	37.2	35.9	33.7	35.1	35.2	35.2	30.7	29.2	31.8	32.8	34.8	35.4	35.7	33.1	29.7	32.7	36.4	40.2	42.6	41.7	40.6	41.4	39.2	36.4	35.7
16 D	35.6	35.7	35.7	35.7	34.2	36.3	37.2	35.1	34.6	31.5	33.8	34.3	32.3	27.2	27.1	25.1	34.6	41.2	37.0	36.1	33.8	32.3	26.0	14.5	32.8
17 D	26.8	33.2	31.0	51.5	50.2	53.6	45.8	49.7	38.4	33.4	28.4	33.2	71.0	61.1	32.6	17.1	32.2	41.4	47.8	45.2	39.2	35.2	37.3	38.4	40.6
18	37.2	35.4	34.1	42.4	38.1	38.4	41.6	40.7	37.6	37.2	35.7	36.3	34.2	30.8	28.2	34.5	39.1	38.3	38.2	42.3	43.4	34.2	35.4	36.7	37.1
19	35.2	36.5	35.3	35.6	36.1	38.2	40.5	47.6	45.2	35.9	34.2	34.3	36.6	34.7	33.4	39.6	45.2	42.2	41.5	44.1	42.6	39.2	38.1	37.2	38.7
20	36.3	36.1	36.3	37.2	31.8	37.7	36.3	33.7	34.6	36.2	33.3	34.7	35.8	37.0	36.7	35.1	37.7	39.3	43.2	48.6	45.8	42.7	41.1	39.1	37.8
21	35.8	36.0	36.2	27.2	29.7	36.4	37.4	33.7	30.6	38.2	49.1	32.9	28.2	38.7	40.1	37.7	40.1	39.0	41.1	43.4	44.3	42.9	35.1	33.1	37.0
22 D	28.9	24.8	22.4	30.1	37.6	63.6	78.4	60.1	108.1	108.6	83.4	49.4	56.6	59.9	29.9	35.6	39.2	38.4	43.1	42.1	41.2	40.6	38.1	38.9	49.9
23	38.4	34.2	34.9	36.4	36.1	41.8	42.7	39.5	39.1	40.6	40.3	36.6	35.1	32.5	32.9	32.4	35.1	38.7	40.9	41.5	41.6	39.0	40.0	36.7	37.8
24	38.2	41.9	37.2	33.4	36.6	37.1	35.1	38.0	37.1	34.1	36.1	33.7	33.1	30.4	29.0	33.1	38.1	42.1	43.2	45.1	45.1	42.8	40.0	39.2	37.5
25 D	38.6	36.0	36.2	33.9	36.1	34.5	36.1	36.1	34.9	34.7	34.6	36.4	37.1	32.1	24.6	33.1	38.4	30.1	01.2	39.6	03.2	22.1	21.2	48.4	28.2
26 D	25.9	14.7	15.9	25.7	39.5	37.7	38.1	38.3	40.2	40.0	44.1	40.3	33.1	29.2	29.1	29.2	34.7	36.8	38.4	39.2	40.7	41.5	39.6	38.8	34.6
27	37.6	36.6	36.3	36.8	37.1	38.2	38.1	39.6	43.2	37.2	36.6	35.6	35.0	33.1	32.6	38.3	37.5	38.4	41.1	41.0	43.1	40.2	38.4	37.2	37.9
28	36.4	36.5	35.0	33.1	33.4	36.1	36.3	34.4	35.2	34.8	34.7	34.4	34.3	31.7	36.3	35.4	36.5	37.1	38.4	40.2	40.7	42.3	39.6	38.2	36.3
29	37.1	36.1	35.5	35.3	34.1	33.5	33.6	34.1	33.7	33.7	35.4	38.2	31.7	30.1	31.1	33.6	36.1	37.8	38.7	39.9	41.2	40.6	32.6	40.7	35.6
30 Q	38.1	36.2	33.6	33.7	36.2	36.2	36.2	36.1	35.3	34.8	34.7	34.1	33.6	31.1	32.7	34.6	36.3	38.1	37.3	40.2	43.1	41.6	38.5	38.2	36.3
31	37.1	36.2	35.1	34.7	34.5	35.8	35.1	35.8	38.5	34.0	32.1	30.2	31.1	28.4	32.5	35.1	47.2	46.1	41.7	40.0	41.4	39.2	42.7	41.7	36.9
Mean	35.2	34.4	33.3	33.9	35.3	37.0	37.8	37.4	39.2	38.1	37.1	35.3	35.5	33.7	32.4	34.4	38.2	40.1	40.2	39.2	40.0	39.2	37.1	36.8	36.6

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 3. Agincourt. (Z.) 56,000 γ + January, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	602	595	595	600	600	602	602	598	595	591	595	596	596	595	589	589	590	592	595	598	598	595	596	595	596
2	596	596	595	595	595	595	595	596	595	592	588	589	594	595	585	588	590	589	591	596	595	596	595	597	593
3	601	596	595	595	592	592	591	593	591	589	590	592	594	595	588	589	592	592	595	600	600	600	595	595	594
4	595	594	595	590	591	591	593	594	592	591	589	589	589	586	583	583	587	589	592	599	605	613	604	610	593
5 Q	610	601	596	597	596	582	581	591	590	582	583	590	595	597	600	599	601	602	605	605	603	602	598	597	596
6	597	597	595	595	595	595	595	595	595	594	595	595	593	592	592	591	592	600	602	603	602	603	602	602	597
7	603	613	610	609	603	602	603	602	602	602	600	599	601	602	584	587	587	590	592	605	604	612	604	610	601
8	605	602	602	601	555	553	576	569	569	576	577	591	593	595	594	595	595	597	598	601	601	600	602	615	590
9	615	618	612	599	590	591	592	595	591	595	595	596	595	597	593	589	589	590	591	591	594	595	594	595	596
10 Q	595	592	595	589	584	588	590	591	591	591	591	591	593	593	588	584	588	587	588	592	592	595	595	595	591
11 Q	595	596	595	594	593	593	593	592	592	592	591	590	592	595	591	591	593	593	591	593	597	598	596	597	593
12	596	596	595	594	595	593	595	588	585	591	593	592	593	593	589	585	589	589	588	596	598	603	613	619	594
13	697	720	684	664	597	567	561	561	527	514	575	597	603	605	601	599	603	609	607	610	610	610	606	606	606
14 Q	604	603	601	600	600	598	597	593	589	592	591	589	589	588	582	580	583	589	590	591	591	591	590	590	592
15	590	589	590	591	588	588	579	566	571	582	582	587	591	589	581	580	583	583	583	584	589	591	587	588	584
16 D	588	584	583	583	583	584	580	577	576	572	576	580	582	582	576	579	583	584	589	595	607	618	628	640	589
17 D	690	762	698	691	647	592	557	489	386	513	587	575	386	503	603	643	725	664	633	630	635	644	632	613	603
18	606	606	602	588	601	607	601	599	596	596	593	591	594	601	593	606	606	612	619	619	609	618	626	623	605
19	616	604	598	594	592	594	588	570	549	554	558	565	569	570	583	583	603	617	617	601	595	592	588	587	587
20	585	585	583	585	579	552	556	573	572	579	580	573	574	575	574	572	582	588	602	626	610	595	590	605	583
21	600	592	588	580	574	580	582	569	569	564	470	524	560	551	549	556	564	580	596	597	596	601	618	681	577
22 D	692	693	708	677	624	508	371	389	139	-009	067	508	537	571	672	648	673	688	677	669	660	652	653	644	540
23	643	641	635	628	623	617	617	625	623	621	623	625	628	628	621	620	622	623	625	631	632	630	627	638	627
24	648	666	663	653	641	632	620	608	594	608	611	608	614	617	609	608	611	620	634	636	640	648	645	650	629
25 D	651	658	657	649	648	643	642	642	642	641	641	640	624	610	591	592	627	640	656	361	115	219	010	297	545
26 D	448	671	675	618	589	626	631	617	608	600	605	619	625	621	633	627	626	626	633	633	631	631	626	627	618
27	626	626	623	621	619	619	615	607	593	605	608	612	612	614	608	612	614	617	615	624	620	615	612	612	615
28	611	610	609	609	607	605	604	602	601	599	599	597	598	596	581	582	582	583	584	592	596	595	592	589	597
29	591	590	589	586	587	572	575	578	582	583	580	571	582	583	581	582	583	587	585	585	584	591	604	606	585
30 Q	603	600	597	595	589	587	585	585	585	585	584	583	584	582	575	577	578	582	586	591	594	597	594	598	588
31	588	590	588	582	581	578	580	575	559	562	574	559	560	564	561	562	572 2	573	569	576	730	803	658	624	595
Mean	608	618	614	608	598	591	585	582	566	566	572	581	585	590	592	593	600	603	604	598	595	602	589	601	593

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4. Agincourt. January, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	20	33	351	16	48	291	60	18	12	42.5	05	02	26.2	16.3	00	07	606	15	23	589	17
2	22	01	349	14	53	293	56	18	44	43.2	13	24	26.6	16.6	23	59	589	14	50	584	5
3	01	10	305	16	17	271	34	17	28	45.1	00	42	28.3	16.8	00	35	604	14	20	588	16
4	10	30	353	13	53	233	120	15	10	60.2	04	18	30.6	29.6	23	59	617	13	32	582	35
5 Q	05	16	350	16	09	291	59	10	00	46.2	05	12	17.3	28.9	00	10	618	05	27	574	44
6	21	09	351	17	31	245	106	17	51	52.6	13	24	29.4	23.2	21	08	607	14	41	591	16
7	23	48	348	15	32	276	72	17	09	46.1	23	51	22.6	23.5	23	46	618	15	02	584	34
8	01	30	354	04	21	267	87	04	51	50.2	03	12	22.1	28.1	03	46	615	04	38	499	116
9	01	53	344	16	11	276	68	01	57	43.6	03	07	16.2	27.4	01	22	626	04	57	589	37
10 Q	22	20	345	16	36	291	54	18	22	43.6	15	16	27.6	16.0	21	40	595	04	47	582	13
11 Q	08	17	348	16	01	286	62	19	41	44.5	14	28	28.3	16.2	21	00	599	18	23	589	10
12	23	48	367	18	17	296	71	19	04	50.2	14	52	28.1	22.1	23	59	634	07	42	582	52
13	00	08	346	09	00	139	207	09	12	66.5	02	20	07.2	59.3	00	55	764	09	08	482	282
14 Q	23	57	346	17	02	289	57	19	38	40.2	13	34	28.6	11.6	00	35	605	15	16	577	28
15	00	08	345	17	09	267	78	19	24	43.6	07	05	24.2	19.4	03	00	593	08	10	534	59
16 D	23	42	484	16	03	260	224	16	55	44.2	23	30	-03.8	48.0	23	58	656	09	35	563	93
17 D	01	40	496	13	20	-108	604	12	30	86.3	14	30	09.8	76.5	01	50	870	08	30	357	513
18	03	20	358	15	23	168	190	03	31	53.2	02	44	23.6	29.6	22	58	638	03	18	573	65
19	22	35	329	16	28	185	144	08	03	52.3	14	08	28.1	24.2	00	03	630	08	00	546	84
20	21	57	346	18	33	248	98	20	11	50.8	15	24	27.2	23.6	19	22	636	05	50	531	105
21	23	26	373	10	12	199	174	10	38	60.9	04	00	10.6	50.3	23	37	764	10	33	428	336
22 D	02	55	422	11	00	-155	577	09	30	133.4	11	17	-02.9	136.3	01	44	745	09	30	-081	826
23	22	34	319	17	55	229	90	06	03	45.7	14	58	30.6	15.1	00	34	648	06	03	612	36
24	23	15	323	16	28	245	78	01	29	45.7	14	32	27.1	18.6	01	56	675	08	34	585	90
25 D	22	30	623	23	28	-053	676	23	40	89.4	19	18	-67.6	157.0	18	43	752	22	30	-046	798
26 D	02	20	586	00	14	-068	654	00	16	63.6	00	07	-26.1	89.7	02	53	739	00	01	039	700
27	20	12	320	15	28	235	85	08	16	48.2	13	12	28.8	19.4	00	10	628	08	24	588	40
28	23	17	326	14	50	288	38	21	20	43.4	04	08	29.1	14.3	20	33	598	15	31	589	9
29	20	12	332	05	23	286	46	23	16	45.6	22	39	21.4	24.2	22	22	623	05	49	565	58
30 Q	23	02	335	21	40	296	39	20	37	43.2	13	48	29.6	13.6	00	20	604	14	35	572	32
31	21	10	542	15	48	254	288	20	34	50.9	13	48	26.1	24.8	21	02	953	09	02	545	408
Mean			378			210	167			54.0			17.9	36.1			660			500	160
No. days			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, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	301	305	301	296	296	300	301	306	309	313	315	316	301	302	317	308	300	294	301	307	307	302	313	313	305
2	321	316	309	302	305	309	304	303	301	299	306	311	316	321	311	296	287	285	292	304	309	319	328	330	308
3	328	311	322	324	317	307	297	289	299	311	321	321	316	309	306	290	273	279	277	296	305	315	324	321	307
4	312	316	319	321	321	320	319	316	312	317	321	321	321	319	305	290	299	302	304	305	318	321	326	318	314
5	318	316	314	316	316	319	321	322	321	316	319	328	326	311	297	298	302	303	311	322	330	331	331	333	318
6 D	328	327	332	344	328	216	216	297	296	301	296	296	292	294	298	276	237	243	285	292	294	301	302	321	292
7	308	298	300	304	303	300	307	305	305	307	317	324	323	308	315	305	293	263	286	298	312	324	324	319	306
8 D	317	317	318	314	314	320	318	322	327	321	327	329	344	346	334	298	255	212	241	288	325	321	300	279	308
9 D	293	295	279	263	252	216	236	283	291	290	276	282	265	277	274	296	285	264	274	280	291	315	327	329	280
10 D	327	309	309	265	266	279	260	241	329	303	309	310	307	301	294	288	280	274	280	289	290	295	302	306	292
11	305	293	265	248	260	233	131	198	193	201	288	304	309	310	312	309	307	299	294	299	302	304	310	313	274
12	313	313	315	313	317	316	311	314	308	317	319	322	325	317	315	312	304	293	291	297	303	312	317	319	312
13	318	358	315	324	319	318	325	324	317	322	326	325	324	314	301	289	278	274	279	290	309	320	337	336	314
14 D	332	322	313	320	319	337	314	295	277	241	329	323	209	251	252	214	237	247	266	279	281	294	301	305	286
15 Q	303	305	306	304	305	306	308	309	311	311	313	313	308	301	290	276	264	264	272	286	299	311	319	318	300
16 Q	318	318	318	316	318	319	320	321	319	321	325	323	318	309	301	295	286	281	284	295	308	316	313	314	311
17	318	323	323	323	323	323	323	321	318	313	319	319	323	313	304	291	284	281	291	300	311	320	329	330	313
18	329	326	325	316	325	330	329	325	333	332	331	333	329	328	316	310	299	292	295	304	313	319	323	325	320
19 Q	323	326	333	330	330	331	331	331	333	333	333	332	330	324	317	306	296	290	296	306	313	320	330	333	322
20 Q	334	333	333	333	334	330	326	326	330	333	331	329	326	313	309	303	294	285	291	304	319	329	333	335	321
21	337	333	335	333	335	334	337	335	335	338	337	337	335	329	323	311	297	289	295	304	318	328	332	332	326
22 Q	332	332	333	333	335	335	336	337	337	338	337	335	333	326	313	304	291	288	292	304	323	332	328	333	325
23	334	321	310	320	323	329	328	336	332	328	335	339	334	309	308	299	299	303	300	307	318	321	323	325	320
24	323	323	324	325	325	321	305	311	314	321	324	323	323	318	313	308	306	298	302	321	335	334	321	328	318
25	328	329	331	333	330	332	333	330	323	323	333	343	338	325	305	294	309	295	300	309	308	322	275	278	318
26	328	330	331	327	328	325	327	328	330	333	333	326	323	324	311	296	292	299	303	299	313	323	320	323	320
27	328	331	329	321	326	327	329	329	330	330	333	329	323	312	304	295	295	285	290	306	321	324	313	324	318
28	330	328	318	308	313	314	318	311	306	318	324	333	329	320	308	299	291	296	313	321	325	311	325	323	316
29																									
30																									
31																									
Mean	321	319	316	313	313	308	303	309	312	312	320	322	316	312	305	295	287	281	289	300	311	317	319	320	309

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6. Agincourt. (D.) West. 7° + . . . ′ February, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	37.3	37.2	36.1	35.2	36.4	34.2	35.8	35.1	36.1	36.2	35.1	39.0	42.4	33.6	31.7	33.8	34.7	37.1	38.2	40.2	40.5	40.4	38.7	36.8
2	38.2	38.1	37.8	32.8	33.3	33.6	33.3	34.5	37.2	38.6	34.1	33.5	35.1	31.4	31.8	32.1	34.2	35.9	34.3	41.0	40.7	40.6	40.0	38.4	35.8
3	39.1	34.6	34.1	34.2	34.2	29.7	34.4	30.6	31.1	37.4	34.0	33.8	33.3	33.5	33.2	34.2	34.7	39.3	43.1	42.8	41.2	40.1	38.4	38.3	35.8
4	34.6	35.4	34.0	33.4	35.2	34.2	36.0	32.6	32.3	35.4	34.4	34.2	33.4	29.4	32.1	33.1	36.1	38.4	40.2	39.4	38.7	38.3	37.4	35.7	35.2
5	34.7	34.6	32.3	32.6	33.6	34.6	35.2	34.1	34.6	36.0	37.1	33.1	30.6	29.3	30.1	33.2	36.8	40.9	42.8	42.4	40.1	38.4	37.6	36.5	35.5
6 D	35.2	34.4	33.7	32.2	32.1	38.4	19.9	29.7	32.7	33.2	32.8	34.2	34.2	31.7	29.3	30.8	38.4	47.6	43.7	46.7	40.1	41.4	39.1	40.7	35.5
7	33.1	29.0	31.9	31.6	33.7	33.1	33.4	32.3	31.2	32.1	33.3	32.3	33.7	39.0	31.4	38.0	37.7	39.5	40.7	39.6	38.6	36.8	36.1	35.7	34.7
8 D	35.2	35.0	34.4	34.1	33.1	32.8	35.7	38.7	36.1	32.3	32.0	33.0	31.7	29.6	27.2	23.7	27.2	42.7	49.5	45.1	44.1	36.0	42.7	40.0	35.5
9 D	34.2	33.1	29.2	25.9	28.2	42.7	32.8	26.8	31.7	32.5	37.7	43.9	45.1	40.9	44.1	37.4	33.2	37.1	37.7	38.6	39.6	38.7	38.8	38.4	36.2
10 D	38.8	32.1	35.9	21.0	26.1	30.9	36.1	38.8	32.6	34.6	34.1	32.7	35.7	36.0	33.7	31.3	33.1	35.1	35.3	35.1	35.1	35.9	36.8	35.1	33.8
11	35.7	37.1	31.0	37.3	30.8	27.9	60.4	20.7	20.9	35.2	41.7	38.1	35.8	33.8	34.2	35.3	37.1	36.4	37.7	38.2	38.1	38.0	37.8	37.7	35.8
12	37.1	36.8	36.3	36.1	35.6	35.8	32.8	34.1	35.7	37.1	31.3	33.4	32.8	33.3	36.7	33.7	33.3	35.8	37.7	38.3	39.1	38.7	36.8	36.7	35.6
13	36.1	34.7	28.1	36.0	35.2	34.1	33.7	34.2	31.6	34.3	30.6	31.2	31.7	31.7	34.0	32.1	34.7	39.2	39.8	40.7	39.7	38.9	39.1	37.9	35.0
14 D	37.7	36.9	34.2	36.3	35.8	29.3	32.8	30.1	38.6	36.1	26.8	31.3	61.9	54.0	38.5	52.7	42.4	43.2	41.8	43.0	41.2	38.7	36.7	35.9	39.0
15 Q	35.8	35.5	35.5	35.6	35.7	35.8	35.8	35.7	34.9	34.4	34.1	33.1	32.8	31.5	30.9	31.8	34.7	38.1	39.7	40.1	39.2	38.4	38.1	36.8	35.6
16 Q	36.6	35.9	35.3	35.2	35.7	35.1	35.3	35.2	36.7	36.2	33.4	32.9	32.3	31.8	30.8	30.8	34.2	36.8	39.8	41.0	39.2	38.2	36.5	36.8	35.4
17	36.2	35.7	35.4	35.7	35.7	35.2	34.1	33.2	30.1	30.4	29.7	30.6	30.7	29.6	30.2	31.2	34.2	37.3	39.4	40.7	40.8	38.4	38.2	36.4	34.6
18	36.3	36.0	35.7	35.2	34.6	34.8	34.7	34.1	36.6	34.1	33.1	33.4	32.7	31.2	34.1	31.4	33.2	36.7	38.8	39.3	38.8	38.2	37.3	36.3	35.3
19 Q	35.7	34.1	33.9	34.9	34.9	34.9	34.8	34.9	34.4	34.1	33.8	33.3	32.7	31.6	32.6	32.1	33.8	36.8	39.0	40.1	39.4	38.9	38.3	36.8	35.2
20 Q	35.8	35.5	35.7	35.6	34.7	32.8	33.8	33.0	32.2	33.1	33.1	32.8	32.1	32.7	32.6	32.1	33.8	36.4	39.2	40.3	39.2	38.1	37.1	36.1	34.9
21	35.2	35.1	35.1	35.1	34.7	34.5	34.2	34.5	34.4	39.0	32.7	32.4	32.4	30.6	30.6	31.2	32.1	35.2	38.3	40.2	39.5	38.6	37.6	36.4	35.0
22 Q	36.1	35.6	35.2	34.7	34.6	34.4	34.4	34.4	34.2	34.2	33.8	33.1	32.3	30.2	28.4	29.9	33.6	37.8	40.9	41.2	39.9	38.4	37.8	37.4	35.1
23	36.0	36.0	34.1	32.0	32.3	25.1	28.7	32.2	33.4	33.7	36.9	33.0	29.5	28.7	31.9	31.1	37.2	39.8	41.0	41.8	42.1	40.9	40.2	37.3	34.8
24	36.8	34.1	34.1	34.8	33.8	30.3	31.8	28.1	30.1	32.1	33.0	34.1	33.3	30.0	31.1	31.0	33.2	36.8	38.9	38.8	39.1	39.2	40.9	38.1	34.3
25	36.1	35.8	35.1	34.9	34.9	34.1	32.9	32.7	35.6	36.6	31.8	26.9	28.2	28.1	28.6	33.6	37.0	41.0	42.1	43.8	42.9	40.2	38.6	37.1	35.4
26	35.7	35.0	35.7	33.8	34.1	34.1	35.1	34.9	34.4	33.6	33.2	33.5	37.2	33.2	31.0	35.0	38.7	41.1	41.5	42.3	41.7	41.0	36.2	36.9	36.2
27	36.2	35.9	33.9	32.2	34.7	34.7	35.6	34.8	34.4	33.9	33.7	32.9	31.8	30.1	32.7	33.1	33.2	36.3	38.1	39.7	41.3	41.0	40.8	39.0	35.4
28	37.6	36.1	28.4	31.6	32.1	28.4	27.8	30.2	32.8	36.0	37.4	33.0	31.1	29.8	28.1	30.1	33.2	38.7	41.7	42.7	44.0	39.6	42.0	41.1	34.7
29																									
30																									
31																									
Mean	36.2	35.2	34.0	33.6	33.7	33.5	34.3	32.9	33.4	34.7	33.8	33.4	34.4	33.0	32.3	33.0	34.8	38.4	40.0	40.8	40.1	38.9	38.5	37.4	35.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 7. Agincourt. (Z.) 56,000 γ + February, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	640	638	636	632	631	631	631	629	627	625	622	623	610	611	590	594	594	599	602	607	611	617	614	619	618
2	618	618	620	623	615	611	605	602	602	590	587	597	600	604	599	597	600	603	606	609	608	608	605	604	605
3	606	615	610	605	605	604	597	587	587	581	594	602	600	602	600	602	607	611	607	610	611	612	610	612	603
4	611	612	611	608	606	604	588	597	596	600	601	602	605	604	597	599	595	596	599	602	601	600	602	602	602
5	604	604	604	605	603	600	600	600	597	597	594	595	599	599	572	573	568	569	574	576	578	578	576	579	589
6 D	581	585	587	590	588	478	413	546	569	578	570	571	572	579	574	566	573	587	594	633	621	623	636	645	578
7	652	647	641	624	612	607	606	602	601	601	602	597	597	589	580	576	582	591	597	604	605	602	597	597	605
8 D	595	595	594	594	594	590	593	580	573	584	587	589	587	586	581	571	575	589	615	618	628	669	647	644	599
9 D	640	625	631	630	598	485	523	551	574	579	564	553	554	568	571	582	589	598	617	623	616	612	608	607	587
10 D	611	623	616	612	593	590	598	625	616	617	612	602	605	608	605	605	605	607	609	610	611	610	610	608	609
11	604	608	613	617	610	555	438	453	452	488	561	583	591	594	590	589	588	590	594	594	594	594	595	592	571
12	591	589	589	589	589	588	583	584	572	558	574	583	586	586	584	582	579	580	583	589	594	595	594	594	585
13	594	594	594	590	588	587	584	583	576	573	563	568	575	581	580	579	580	583	586	589	594	593	593	589	584
14 D	591	594	597	597	594	577	573	575	558	522	552	540	482	503	550	566	583	605	631	626	618	616	615	610	578
15 Q	609	608	607	607	607	608	607	607	607	605	605	605	605	604	603	605	609	614	618	620	621	619	615	612	610
16 Q	611	610	611	608	609	609	608	606	605	598	603	603	606	608	608	606	608	608	608	608	609	611	608	608	608
17	608	606	604	603	603	603	601	593	587	594	595	600	601	601	594	592	590	591	597	602	601	599	595	599	598
18	599	598	598	597	594	597	597	595	590	591	595	594	595	594	593	593	591	592	595	601	605	606	608	608	597
19 Q	608	608	607	606	607	607	608	608	608	608	607	608	608	609	608	607	604	602	607	611	614	615	613	613	608
20 Q	611	611	611	611	611	609	608	604	606	609	608	608	611	609	608	607	606	608	612	616	618	615	612	613	610
21	612	613	612	613	612	612	611	610	609	601	602	609	609	609	603	604	601	602	607	614	616	615	611	609	609
22 Q	609	608	608	608	608	608	608	608	606	606	605	605	605	604	602	599	596	594	598	605	609	611	609	609	605
23	609	612	616	615	611	605	602	612	606	606	602	604	603	605	601	598	595	599	601	606	608	612	616	619	607
24	616	612	609	609	607	594	578	577	587	587	599	601	601	601	601	602	601	601	609	609	612	616	613	613	603
25	609	610	609	609	605	604	604	604	602	594	594	586	591	591	586	591	587	588	592	609	615	612	607	605	600
26	607	607	605	605	604	603	604	602	602	601	600	600	600	599	594	594	594	599	602	602	602	608	612	608	602
27	604	604	603	602	602	602	602	602	602	602	602	602	602	601	599	597	598	601	603	605	605	608	609	607	602
28	607	608	611	612	607	587	574	583	579	574	578	586	584	587	584	580	577	578	580	586	592	601	604	614	591
29																									
30																									
31																									
Mean	609	610	609	608	604	592	584	590	590	589	592	594	592	595	592	592	592	596	602	607	608	610	608	609	599

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8. Agincourt. February, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	13	56	319	17	55	284	35	13	01	45.6	15	40	30.0	15.6	00	01	648	14	27	589	59
2	23	39	354	17	22	278	76	21	04	42.4	03	41	25.2	17.2	03	40	626	09	43	587	39
3	22	45	338	16	20	260	78	18	58	43.8	05	14	27.6	16.2	01	39	618	09	38	575	43
4	23	49	329	15	22	282	47	18	27	41.1	13	54	27.2	13.9	00	59	616	06	38	590	26
5	23	12	335	14	56	290	45	18	43	43.5	03	03	27.5	16.0	03	40	607	16	37	568	39
6 D	03	04	360	06	00	-101	461	05	52	78.8	06	23	08.2	70.6	23	58	655	05	44	253	402
7	12	02	337	17	54	261	76	13	24	43.6	01	36	22.4	21.2	00	50	659	15	41	568	91
8 D	12	44	362	17	18	181	181	05	55	69.1	16	28	22.9	46.2	21	07	720	08	01	596	124
9 D	23	49	333	06	00	171	162	05	38	55.2	06	39	18.5	36.7	00	04	648	05	58	442	206
10 D	11	22	339	07	06	217	122	07	03	62.4	03	42	04.6	57.8	03	23	671	04	11	553	118
11	14	57	315	06	07	002	313	06	24	101.9	07	31	13.1	88.8	03	58	634	06	17	317	317
12	23	27	325	18	04	283	42	09	00	43.5	10	33	30.1	13.4	23	30	596	09	33	551	45
13	22	22	351	16	52	270	81	20	36	42.4	02	22	22.5	19.9	20	42	602	10	45	556	46
14 D	05	51	362	12	12	164	199	12	28	72.8	10	09	20.6	52.2	18	53	653	12	50	466	187
15 Q	22	50	328	16	28	260	68	19	07	40.2	15	07	29.7	10.5	19	35	621	13	59	601	20
16 Q	10	37	325	17	58	278	47	19	37	41.2	15	17	29.4	11.8	21	38	613	09	10	594	19
17	22	45	335	17	30	278	57	19	53	41.4	08	33	28.5	12.9	00	07	608	07	53	586	22
18	08	28	339	17	50	289	50	18	47	39.3	13	00	27.3	12.0	23	03	611	08	36	587	24
19 Q	23	48	336	17	30	288	48	19	18	40.7	01	51	30.6	10.1	20	57	616	17	09	601	15
20 Q	23	50	343	17	23	282	61	19	09	40.2	07	01	30.9	9.3	20	09	619	17	45	599	20
21	09	26	341	17	31	287	54	09	23	46.1	13	49	30.1	16.0	20	47	620	09	42	595	25
22 Q	21	20	338	17	50	285	53	19	08	31.2	14	46	27.1	4.1	21	25	612	17	20	592	20
23	08	01	342	18	22	282	60	20	11	43.2	05	45	19.8	23.4	02	42	621	05	53	596	25
24	21	17	340	06	58	287	53	22	26	41.2	07	28	26.1	15.1	00	05	616	06	57	566	50
25	11	22	344	17	59	276	68	19	30	44.4	11	13	23.6	20.8	19	59	626	11	10	583	43
26	09	12	335	16	00	286	49	19	48	43.9	13	53	28.8	15.1	22	30	618	14	50	592	26
27	23	59	335	17	53	276	59	01	52	42.2	03	02	27.1	15.1	22	32	612	16	16	597	15
28	19	54	342	16	28	280	62	20	39	46.5	06	08	20.1	26.4	23	57	630	06	04	561	69
29																					
30																					
31																					
Mean			339			242	97			48.9			24.3	24.6			628			552	76
No. days			28			28	28			28			28	28			28			28	28

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 9. Agincourt. (H.) 15,000 γ + March, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	318	296	308	315	311	298	309	311	314	311	318	326	324	304	263	284	275	260	282	294	318	318	321	324	304
2	322	321	322	323	324	324	325	328	329	325	328	326	325	318	301	290	282	287	298	308	311	313	323	330	316
3	335	333	319	305	323	328	334	329	328	330	333	330	326	313	299	290	284	285	296	308	318	332	338	340	319
4	339	338	338	335	337	337	332	334	335	333	335	335	336	328	313	299	289	289	304	311	329	343	340	338	327
5 D	319	325	335	334	337	341	329	338	338	320	330	338	340	309	242	252	279	277	255	272	284	281	295	309	307
6	314	306	294	305	304	301	297	299	286	313	320	321	323	319	308	294	287	291	287	298	321	333	313	321	307
7	321	324	326	324	324	324	325	315	324	321	320	324	324	315	289	294	291	297	304	306	310	320	326	330	316
8	325	321	324	323	318	318	323	328	328	328	329	328	325	323	314	304	289	291	298	306	310	323	326	328	318
9	332	333	333	333	333	330	323	325	328	330	329	329	330	328	324	316	311	313	313	316	320	335	324	331	326
10 Q	333	329	330	333	331	331	335	335	338	335	339	340	339	337	328	323	323	328	337	348	347	337	338	340	335
11	343	342	342	341	340	340	340	338	340	338	340	339	334	328	318	313	314	311	316	323	327	329	333	344	332
12	325	333	352	343	335	320	325	330	340	343	347	340	337	323	303	306	315	309	311	318	330	332	337	338	329
13	335	337	335	329	324	330	332	332	335	334	334	333	329	323	314	306	301	304	314	328	333	330	333	328	326
14	329	328	329	324	333	334	333	331	320	324	335	344	335	313	299	290	278	279	285	299	310	329	338	341	319
15	319	326	326	328	319	328	328	330	334	335	332	334	321	313	303	285	271	269	284	304	318	327	335	335	317
16 Q	334	332	333	335	335	334	334	334	334	335	334	330	325	314	299	281	281	282	296	315	330	335	340	335	322
17	340	334	320	325	335	337	337	337	336	334	335	335	330	314	294	279	279	291	299	310	323	333	337	335	322
18 Q	333	335	339	337	337	338	337	341	343	343	341	341	337	324	313	300	298	308	325	334	343	348	343	341	332
19 Q	341	340	342	340	338	340	340	337	337	341	343	339	334	321	304	289	280	287	299	318	333	338	340	341	328
20 Q	339	338	340	341	342	342	342	342	343	343	343	342	334	320	309	299	294	298	309	321	336	345	344	344	331
21	345	335	337	335	338	338	340	342	343	344	347	345	339	324	318	315	310	311	321	332	342	337	369	371	337
22 D	358	337	338	321	323	260	110	200	192	157	271	270	241	247	265	259	265	284	303	337	343	348	344	395	282
23 D	434	313	299	287	289	265	214	308	272	176	306	323	310	301	289	281	274	284	298	313	376	372	406	373	307
24 D	329	270	244	150	155	135	105	013	003	189	228	304	304	289	281	271	260	270	282	294	304	304	304	316	233
25	314	311	304	308	306	303	299	306	288	288	296	284	294	306	290	277	277	295	303	320	331	327	329	314	303
26	326	340	329	308	308	301	297	301	305	308	298	261	276	265	287	269	260	264	286	291	306	309	323	306	297
27	318	305	313	313	311	306	306	305	309	307	307	302	303	297	291	284	287	301	314	324	323	318	318	321	308
28	325	320	330	324	321	321	323	320	319	319	323	318	311	303	290	281	284	296	310	314	314	322	332	328	314
29	328	333	330	328	328	327	326	329	330	327	328	323	322	313	297	304	298	301	301	301	323	319	320	323	319
30	325	325	326	328	319	323	324	326	325	328	329	329	325	308	289	279	280	294	309	323	333	333	335	330	318
31	332	333	335	335	335	334	335	335	335	337	337	338	332	319	303	286	287	298	310	326	342	347	347	338	328
Mean	333	326	325	320	320	316	308	312	311	313	324	325	321	312	298	291	287	292	301	313	325	330	334	335	315

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10. Agincourt. (D.) West. 7° + . . . ′ March, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	34.0	27.9	30.1	29.0	30.9	31.1	31.4	35.7	36.7	37.9	37.8	33.8	32.1	29.7	39.8	39.3	37.9	43.6	46.0	45.9	41.7	42.1	41.1	38.7	36.4
2	31.8	29.1	34.8	35.0	34.1	35.0	37.7	35.6	35.9	31.0	32.5	32.8	31.9	30.1	29.2	31.0	33.2	38.1	41.9	42.4	41.2	40.8	38.6	35.8	35.0
3	35.8	35.7	35.2	33.0	34.1	34.2	33.9	34.8	34.2	33.7	33.5	33.1	31.8	29.2	30.6	34.1	37.8	41.8	42.8	42.2	40.3	38.3	36.4	36.0	35.5
4	35.8	35.8	35.2	35.0	32.7	34.8	34.7	34.2	35.3	34.1	33.4	32.7	30.8	28.4	28.1	39.2	32.7	37.2	40.8	43.1	44.2	43.8	40.4	36.9	35.4
5 D	31.2	34.1	34.1	34.1	33.7	32.7	32.4	27.6	27.6	33.4	31.0	29.2	26.3	28.2	37.2	43.1	46.0	44.2	46.1	44.8	40.6	41.1	40.2	38.6	35.7
6	38.1	36.0	21.7	30.7	29.7	29.2	28.7	32.5	42.2	31.5	29.7	30.7	29.8	29.6	28.4	30.2	34.2	37.3	41.6	44.5	43.6	43.1	43.1	41.2	34.5
7	37.5	32.9	35.2	35.1	34.7	34.1	30.3	35.6	33.4	32.6	35.2	32.2	32.3	30.6	30.7	34.2	36.9	40.1	41.8	43.2	43.1	42.2	39.9	37.8	35.9
8	38.2	36.2	34.4	32.1	32.2	33.6	34.3	34.2	33.7	33.8	35.2	33.7	31.7	29.1	28.2	28.6	31.2	34.6	38.2	40.6	41.5	40.7	39.2	38.4	34.7
9	36.6	35.5	35.2	34.6	34.6	33.2	32.3	33.1	33.4	33.5	33.6	34.1	31.4	30.6	30.3	33.3	34.7	38.2	41.2	43.1	43.4	44.1	43.8	40.7	36.0
10 Q	38.8	36.9	35.7	33.2	34.6	34.1	34.4	34.2	34.2	34.2	34.3	33.1	31.5	30.6	29.8	33.4	37.5	39.0	40.0	39.5	38.4	37.8	38.1	37.8	35.5
11	36.7	36.0	35.3	35.2	34.2	34.8	33.2	34.8	33.0	34.0	33.2	32.2	30.6	30.2	31.0	32.2	34.6	36.7	38.2	40.1	39.2	37.2	37.7	37.9	34.9
12	40.2	37.2	35.4	34.2	33.2	26.7	29.3	30.4	32.7	32.1	31.2	30.9	31.0	30.1	27.2	36.1	38.5	38.4	40.2	40.8	39.3	37.3	36.2	36.2	34.3
13	36.1	35.9	35.9	35.5	34.2	35.1	34.1	34.4	34.1	33.2	33.2	32.2	30.9	30.0	31.1	33.6	37.2	40.2	41.2	40.3	39.5	38.3	36.7	35.7	35.4
14	35.7	36.1	35.6	26.9	35.1	35.3	34.2	33.3	36.4	32.7	31.1	29.3	31.1	27.1	29.8	32.3	34.7	38.8	42.2	42.2	40.2	38.2	36.7	34.1	34.6
15	36.1	35.0	34.2	34.7	32.1	35.2	34.2	35.9	34.4	33.1	36.7	38.0	32.1	29.7	27.7	32.6	36.1	41.0	45.1	43.2	41.5	39.5	38.1	37.2	36.0
16 Q	37.0	36.5	35.5	35.6	35.4	35.3	35.5	35.1	34.3	33.5	33.0	30.3	28.0	26.1	26.6	31.1	38.0	41.5	44.4	43.3	41.1	38.8	37.1	36.6	35.4
17	36.0	35.1	34.0	34.6	35.3	35.7	35.0	35.0	35.1	33.1	33.5	31.9	28.6	26.1	27.3	31.1	37.5	41.3	44.0	43.5	41.8	39.7	38.0	36.5	35.4
18 Q	35.6	35.8	36.0	36.0	35.7	35.6	35.4	34.6	34.5	34.7	34.0	32.3	29.6	27.2	26.1	29.2	35.2	39.6	42.3	42.5	41.6	38.1	36.7	37.0	35.2
19 Q	36.7	36.2	35.9	35.8	35.6	34.8	33.2	33.7	33.2	33.0	32.7	31.6	29.5	27.8	28.1	29.0	33.6	38.6	41.7	42.9	41.0	38.8	37.5	36.7	34.9
20 Q	36.5	36.0	35.1	35.7	35.4	34.8	34.5	34.4	34.1	33.9	33.5	31.1	28.0	26.0	26.2	30.0	35.1	38.3	41.6	42.0	40.9	38.7	37.3	36.5	34.8
21	36.0	36.5	36.0	35.6	35.7	34.9	34.7	34.1	33.6	33.1	32.3	31.0	28.2	28.1	29.2	33.6	36.2	39.3	41.4	40.8	39.6	38.4	37.5	38.2	35.2
22 D	38.4	37.2	29.6	31.0	33.6	28.0	36.0	20.7	23.1	33.6	25.5	35.0	34.0	29.7	33.0	32.7	44.0	44.0	44.5	41.7	40.2	37.8	38.0	35.1	34.4
23 D	38.3	39.0	32.7	33.0	33.0	39.6	34.8	33.6	28.3	53.2	33.0	29.2	29.0	28.7	31.1	36.0	38.1	40.8	42.5	46.6	36.7	34.1	36.3	29.5	35.7
24 D	33.1	23.7	30.5	37.8	46.5	34.2	45.4	43.8	38.1	47.0	45.7	36.3	31.0	30.6	32.0	34.5	38.0	39.6	40.7	39.8	39.0	38.6	38.3	37.4	37.6
25	37.6	37.1	34.0	34.1	36.1	36.0	38.1	36.3	37.1	38.6	35.0	37.3	36.0	30.6	31.3	33.7	37.1	39.6	41.6	41.2	39.9	39.3	40.9	44.2	37.2
26	42.5	32.1	33.5	37.0	36.8	35.6	35.6	35.0	34.9	34.9	34.2	40.8	36.6	31.3	32.5	35.6	40.3	44.1	44.8	46.0	42.5	38.7	36.2	37.3	37.4
27	36.5	27.8	34.1	34.2	35.1	34.8	34.4	34.9	33.7	33.5	33.0	30.8	29.5	29.6	32.1	36.0	39.8	41.9	42.0	40.4	39.9	38.2	37.9	37.8	35.3
28	36.4	36.0	37.5	34.9	34.9	34.2	34.0	32.5	32.1	31.6	31.0	29.5	28.7	27.7	29.0	32.0	36.0	38.5	40.1	40.7	39.9	38.2	37.1	36.9	34.6
29	37.2	36.8	36.0	35.7	35.5	34.9	34.9	33.9	33.7	32.9	32.6	30.9	30.4	29.4	30.0	34.0	35.1	41.6	49.9	49.8	41.9	38.8	38.2	37.9	36.3
30	36.9	36.6	35.8	34.4	34.6	33.9	33.9	33.8	32.7	32.5	32.1	31.4	29.6	28.2	30.1	34.9	38.9	42.6	43.5	42.7	40.7	38.6	37.7	36.9	35.6
31	37.2	36.9	36.5	35.8	35.6	34.9	34.2	33.9	33.9	33.2	32.9	30.5	28.2	26.9	28.5	32.8	39.9	44.6	46.5	45.6	43.6	40.4	38.2	37.1	36.2
Mean	36.6	34.8	36.2	36.1	34.7	34.1	34.3	33.9	33.8	34.6	33.4	32.5	30.6	28.9	30.0	33.2	36.9	40.1	42.5	42.7	40.9	39.3	38.3	37.2	35.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 11. Agincourt. (Z.) 56,000 γ + March, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	620	619	616	605	588	570	581	588	584	582	584	587	587	587	572	579	578	585	590	600	609	602	598	599	592
2	603	600	595	592	588	586	577	573	560	567	581	587	587	587	589	590	588	588	592	591	592	591	591	591	587
3	590	590	591	595	595	590	586	587	587	586	586	586	586	586	580	581	583	584	586	588	585	586	584	583	587
4	581	581	581	581	579	579	579	579	578	578	577	577	579	577	574	574	573	573	574	579	583	587	584	593	579
5 D	595	588	584	582	582	581	578	571	557	578	580	578	581	575	574	578	573	576	591	605	643	633	619	617	588
6	612	625	635	627	612	607	604	584	537	563	575	584	588	588	586	586	582	586	588	589	591	596	599	603	593
7	600	596	596	593	590	589	582	582	580	586	584	583	583	583	570	578	575	574	573	574	575	582	582	585	583
8	585	584	585	582	582	582	580	578	578	579	580	580	580	578	574	571	571	573	574	575	577	580	581	581	578
9	581	580	579	578	578	575	575	577	578	578	578	578	578	578	575	575	574	575	578	575	579	585	585	584	578
10 Q	585	585	582	582	581	581	581	582	581	581	580	579	578	574	569	567	567	569	574	573	571	571	574	574	577
11	574	573	574	573	574	573	573	575	576	573	573	573	573	572	568	566	566	568	569	573	577	581	581	586	573
12	588	587	581	581	584	584	580	583	582	581	580	579	579	576	565	570	573	573	573	573	576	579	577	577	579
13	576	576	575	576	579	575	578	579	578	578	579	579	578	575	572	572	572	575	572	572	573	578	578	580	576
14	580	580	580	571	571	580	579	568	561	556	565	579	578	580	577	579	579	582	583	586	585	587	584	585	578
15	585	585	583	585	574	582	579	579	579	578	572	567	571	579	575	577	574	577	582	585	586	585	584	582	579
16 Q	582	582	582	579	579	580	580	579	582	582	579	579	581	582	578	579	579	579	580	582	582	582	584	583	581
17	582	582	585	586	584	582	582	579	582	582	583	585	585	582	574	571	578	584	585	585	585	586	587	586	582
18 Q	584	583	583	581	582	583	581	582	581	581	581	585	584	585	584	580	576	577	581	583	584	585	583	581	582
19 Q	581	581	581	581	581	582	579	580	581	584	583	584	584	584	587	586	583	583	584	586	585	585	585	584	583
20 Q	583	582	583	582	584	582	583	582	583	583	583	584	583	583	583	580	579	580	582	584	585	587	586	586	583
21	585	585	585	584	584	584	584	583	583	583	583	583	583	583	576	575	575	576	582	583	586	591	593	593	583
22 D	593	599	608	607	598	530	420	473	467	457	492	481	491	524	561	575	581	600	621	644	651	654	644	698	566
23 D	762	690	632	625	621	559	527	591	574	481	565	593	602	602	599	601	602	609	618	630	652	663	721	714	618
24 D	741	589	521	545	501	431	408	442	452	501	536	595	612	616	616	613	610	609	611	612	616	615	616	617	564
25	611	612	612	612	609	608	594	590	579	576	580	586	584	593	591	597	594	602	607	616	626	645	650	659	605
26	672	572	655	647	626	619	614	613	611	611	608	585	582	593	604	600	603	613	619	621	622	619	620	611	614
27	612	607	607	610	609	606	606	606	606	604	606	605	606	605	600	599	597	597	599	600	602	605	600	600	604
28	599	598	596	591	597	598	598	598	598	597	597	597	596	597	599	598	595	594	594	591	591	594	598	602	596
29	600	598	597	595	595	593	593	593	594	594	596	597	598	597	588	589	587	593	596	593	595	591	591	591	594
30	590	590	589	586	587	590	586	590	590	590	590	590	593	590	590	590	590	590	592	593	593	593	593	591	590
31	590	589	589	589	589	589	589	589	589	589	590	592	592	589	585	580	578	581	587	592	597	600	602	596	589
Mean	605	594	592	588	587	579	573	576	573	573	579	582	584	584	582	583	582	585	589	592	596	598	599	601	587

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12. Agincourt. March, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	23	09	335	14	46	246	89	19	35	47.2	03	55	19.4	27.8	00	01	631	05	38	559	72
2	23	46	336	16	27	279	57	19	29	42.8	01	26	23.6	19.2	01	17	603	08	49	557	46
3	23	48	342	16	33	280	62	19	44	42.9	13	52	28.2	14.7	03	40	597	14	50	581	16
4	22	52	361	17	17	281	80	20	57	45.3	14	23	27.0	18.3	23	53	598	15	47	573	25
5 D	08	03	357	03	08	294	63	16	51	52.4	12	55	19.4	33.0	20	48	663	08	13	539	124
6	21	27	340	08	41	265	75	08	34	50 2	02	17	03.6	46.6	02	08	669	08	37	510	159
7	23	23	334	14	28	284	50	19	17	43.4	01	47	28.2	15.2	00	01	604	14	27	567	37
8	23	59	333	16	52	285	48	20	37	41.9	03	54	27.2	14.7	01	50	585	15	38	571	14
9	21	27	340	17	20	308	32	22	24	44.3	14	38	29.9	14.4	22	33	588	05	49	573	15
10 Q	19	58	353	16	29	321	32	18	56	40.2	14	17	29.3	10.9	03	04	585	15	41	567	18
11	23	13	350	17	29	309	41	19	52	40.5	12	38	29.8	10.7	23	14	586	15	49	566	20
12	02	21	369	15	01	285	84	19	16	41.1	05	12	19.6	21.5	00	52	592	14	45	564	28
13	01	00	338	16	54	299	39	18	28	41.4	13	25	29.3	12.1	23	54	590	15	46	571	19
14	23	06	350	16	43	270	80	18	50	43.4	03	32	14.2	29.2	21	38	588	08	56	552	36
15	10	50	339	16	37	265	74	18	18	45.6	14	50	26.0	19.6	20	40	587	11	36	568	19
16 Q	22	38	345	15	53	275	70	18	56	45.1	13	40	25.2	19.9	22	51	586	14	36	578	8
17	00	52	343	16	07	270	73	18	38	44.1	14	19	24.7	19.4	21	56	588	15	38	571	17
18 Q	21	29	348	15	56	295	53	18	51	42.7	14	24	28.1	14.6	21	00	586	16	42	576	10
19 Q	09	54	344	16	35	280	64	19	00	43.1	13	27	27.1	16.0	22	20	585	06	48	578	7
20 Q	21	04	352	16	30	293	59	19	30	42.1	13	45	25.7	16.4	20	53	588	15	58	580	8
21	22	53	428	16	58	306	122	18	47	41.8	14	28	28.2	13.6	22	43	603	16	07	575	28
22 D	23	47	471	06	14	-055	526	06	12	92.1	06	50	14.1	78.0	23	43	826	06	03	322	504
23 D	00	30	511	09	23	077	434	09	30	68.2	23	10	15.7	52.5	00	12	831	09	24	423	408
24 D	00	10	371	08	30	-068	439	03	50	82.7	01	30	00.8	81.9	00	10	853	06	00	373	480
25	20	50	343	11	58	261	82	23	27	47.7	02	53	27.4	20.3	19	47	669	09	17	572	97
26	01	18	572	11	47	248	324	01	38	57.7	01	31	05.5	52.2	01	17	751	01	38	446	305
27	19	53	329	15	41	279	50	18	04	42.6	01	27	18.5	24.1	01	23	617	16	33	596	21
28	23	01	340	15	43	279	61	19	12	40.9	13	17	27.0	13.9	23	01	604	03	10	586	18
29	02	03	335	18	35	284	51	19	04	55.5	14	12	27.4	28.1	12	20	600	16	00	582	18
30	22	50	337	15	48	276	61	18	13	43.8	13	10	27.7	16.1	20	00	594	03	50	582	12
31	22	08	352	15	43	282	70	18	31	46.9	13	30	26.9	20.0	22	09	602	16	13	577	25
Mean			364			253	111			48.4			22.7	25.6			631			546	85
No. days			31			31	31			31			31	31			31			31	31

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 13. Agincourt. (H.) 15,000 γ + April, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	334	334	334	334	336	336	336	339	346	348	347	345	334	319	302	293	296	306	316	337	339	348	346	331
2 Q	343	343	341	341	340	339	340	340	341	341	341	341	336	328	312	298	292	296	315	335	348	355	343	345	333
3	345	341	335	335	339	342	343	343	343	345	345	336	335	334	322	313	300	295	295	310	333	343	348	350	332
4	345	339	341	334	324	318	326	331	331	324	325	325	313	309	299	287	274	283	310	336	348	347	344	338	323
5 Q	333	333	333	336	335	334	334	335	333	335	334	334	327	312	300	290	288	296	314	331	339	344	346	347	327
6	346	338	336	338	326	317	307	304	213	236	314	328	323	316	285	263	256	263	281	293	319	361	358	360	308
7	344	334	320	325	334	338	321	324	324	326	331	323	321	306	315	290	285	278	290	311	331	330	336	338	320
8	332	330	329	329	331	334	336	334	336	335	330	329	329	314	295	281	280	286	299	319	333	337	339	342	322
9	339	336	338	336	336	336	336	338	340	334	336	338	302	284	322	309	297	295	306	318	324	334	339	331	325
10	330	334	339	339	338	340	339	338	339	336	335	331	334	309	290	286	305	314	324	327	341	341	343	338	329
11	336	336	338	337	344	335	338	334	336	335	341	340	331	321	310	294	294	282	304	329	337	344	326	346	328
12	346	344	340	334	336	344	331	333	336	326	329	321	314	305	280	271	285	307	319	326	358	339	338	340	325
13 D	336	334	329	324	330	329	328	329	333	338	334	327	339	345	326	314	280	306	319	333	369	374	466	443	341
14 D	334	352	329	315	295	281	227	262	272	316	335	330	319	295	276	272	287	281	302	320	326	308	315	323	303
15	345	317	319	329	332	320	319	320	321	319	302	291	285	292	267	237	246	267	278	304	329	343	348	343	307
16 D	329	321	328	327	329	342	359	136	-088	087	058	-078	058	189	160	213	231	265	269	285	300	366	317	288	224
17 D	276	280	280	286	276	278	256	242	240	252	246	259	260	253	225	236	257	267	292	329	349	340	330	325	277
18	311	296	302	288	303	306	281	268	296	301	309	306	295	271	273	254	258	290	312	349	355	358	355	330	303
19	302	295	309	309	309	311	309	309	309	310	302	300	300	285	255	234	242	262	297	327	334	333	322	319	299
20	324	314	316	317	319	319	319	316	313	312	314	314	310	288	261	255	263	276	291	310	321	333	331	324	307
21	325	322	335	315	314	314	316	320	314	317	317	314	306	293	268	266	268	281	292	312	322	331	339	328	310
22	314	309	309	300	310	310	311	310	312	308	311	312	305	299	293	297	305	317	316	326	330	317	318	325	311
23 D	331	312	317	320	320	324	321	295	288	285	281	242	207	208	210	213	238	260	291	290	307	377	349	324	288
24	319	312	306	314	324	308	305	303	310	303	294	283	301	303	295	286	301	311	306	322	334	334	333	326	310
25	326	329	326	310	310	300	316	327	308	310	296	298	301	272	286	276	273	284	300	320	323	345	341	325	308
26	316	312	311	311	312	315	315	313	314	319	315	317	312	294	287	291	300	310	322	330	332	331	337	331	315
27	332	328	334	331	330	328	328	330	331	327	330	328	325	312	300	298	310	313	323	328	334	336	335	330	325
28 Q	330	332	332	332	326	328	330	329	328	321	322	323	320	305	293	292	307	325	341	349	346	343	337	332	326
29 Q	331	331	336	335	337	332	331	332	332	334	332	329	324	314	303	299	313	326	337	347	352	347	345	338	331
30 Q	337	336	337	337	337	337	337	335	339	340	340	334	327	320	308	294	315	330	333	331	337	332	330	329	331
31																									
Mean	330	326	326	324	324	323	320	312	302	311	312	304	303	297	284	277	281	292	306	322	335	342	342	336	314

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt. (D.) West. 7° + . . . ′ April, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	38.0	36.9	36.1	36.0	35.7	35.1	34.6	33.9	33.3	32.3	30.8	28.5	25.9	25.8	25.8	27.8	33.5	38.4	43.5	45.8	44.1	40.9	38.9	37.2	35.0
2 Q	36.8	35.9	36.0	35.7	35.3	34.8	34.6	33.9	33.7	33.1	32.9	31.0	28.2	26.0	28.4	32.1	36.9	41.0	44.0	43.8	42.5	40.3	38.7	36.8	35.5
3	35.9	35.8	36.7	35.8	35.8	35.4	34.8	33.7	33.7	34.0	34.2	34.8	30.7	27.0	28.9	29.5	32.9	35.9	41.4	42.5	40.5	38.8	37.0	36.6	35.1
4	36.0	35.3	36.0	32.4	29.2	31.6	33.1	34.0	34.0	37.0	35.7	28.7	26.7	26.7	30.2	29.9	37.0	42.0	43.9	43.7	43.4	40.6	37.7	36.2	35.0
5 Q	35.9	35.9	35.9	35.6	34.2	33.7	34.2	35.0	35.2	35.0	33.6	32.0	30.2	28.7	30.0	32.8	38.9	39.5	46.9	47.0	43.9	40.0	37.2	35.8	36.1
6	35.6	33.0	34.9	35.9	32.9	32.2	29.2	28.9	43.3	40.0	21.6	22.6	19.5	20.7	25.4	33.5	39.9	43.9	44.8	45.6	42.9	39.1	35.9	35.4	34.0
7	34.9	33.8	31.6	25.9	33.4	32.7	33.2	34.8	33.9	32.9	32.2	31.8	33.8	29.4	34.5	34.9	39.9	43.1	43.6	42.9	41.0	39.1	37.8	36.7	35.3
8	36.4	36.5	36.3	35.5	35.1	34.7	33.5	33.6	33.4	33.7	33.8	33.3	27.5	25.7	27.9	33.6	37.8	41.4	43.4	41.7	40.6	37.8	36.4	36.7	35.2
9	36.2	37.0	36.5	36.8	35.8	35.0	34.6	33.9	34.7	36.9	35.6	33.0	32.8	39.5	36.5	33.5	37.6	41.8	44.2	44.4	42.8	39.9	36.8	35.8	37.1
10	35.8	34.3	34.3	35.7	35.6	34.5	33.6	32.6	32.0	33.9	36.9	35.6	30.8	29.3	31.8	37.5	43.2	44.4	44.7	42.8	39.6	36.8	36.0	36.8	36.2
11	37.0	37.1	36.8	36.4	35.3	33.5	33.2	32.9	34.8	34.1	32.4	29.8	27.1	25.5	27.6	36.0	38.8	48.4	48.2	43.3	39.6	36.4	35.4	33.8	35.6
12	35.4	35.9	36.0	35.3	35.6	32.5	32.4	35.5	34.6	29.8	27.8	27.8	27.9	28.8	30.8	37.1	43.8	45.6	45.0	42.9	39.9	37.3	35.9	35.2	35.4
13 D	36.5	35.9	33.8	33.1	35.4	36.3	35.4	33.4	34.7	31.9	30.9	28.8	27.9	26.8	24.9	29.2	36.4	45.5	45.4	45.9	43.3	38.1	35.3	30.8	34.8
14 D	35.2	32.0	25.3	26.6	37.2	29.5	29.2	28.8	34.9	32.7	27.4	20.7	22.9	29.1	30.6	36.9	39.9	43.8	41.5	42.4	41.6	38.9	38.1	38.1	33.5
15	38.9	31.3	35.9	29.5	34.4	36.2	34.8	34.4	34.0	32.6	32.1	29.7	31.3	26.6	25.7	31.1	36.7	41.5	43.3	41.9	39.8	37.6	35.2	35.2	34.6
16 D	34.7	34.9	35.6	37.0	37.6	35.4	87.9	103.1	33.8	26.6	37.4	53.1	32.1	16.2	14.3	23.4	33.3	38.1	41.4	42.9	39.9	32.6	37.4	36.4	39.4
17 D	39.4	39.5	39.4	41.3	41.9	42.8	46.1	44.9	42.8	38.8	37.3	32.6	30.8	28.1	27.3	27.7	30.5	37.9	42.8	41.4	39.9	39.5	36.8	32.3	37.6
18	32.7	34.5	38.2	38.4	35.7	32.7	38.0	45.7	38.2	36.3	34.0	30.8	26.8	24.9	27.7	32.3	38.2	43.5	44.7	42.8	43.3	40.8	34.3	37.4	36.4
19	36.5	35.5	36.8	34.7	35.3	36.7	36.8	36.9	35.7	35.7	35.5	32.5	28.2	27.4	27.6	33.1	41.6	47.7	47.8	45.3	44.3	41.1	37.7	35.6	37.0
20	34.2	36.8	36.4	35.7	35.5	36.7	37.7	35.8	36.6	36.2	34.6	30.6	27.8	25.8	26.7	32.3	36.8	39.8	42.8	43.8	41.7	38.8	38.7	37.0	35.9
21	35.8	35.3	36.1	35.0	33.2	33.8	34.8	35.3	36.6	36.6	32.3	30.3	28.8	29.0	31.8	35.3	38.4	40.5	43.0	44.0	42.5	40.8	39.4	37.8	36.1
22	35.3	33.7	31.6	36.5	33.5	33.7	32.8	33.7	32.5	30.8	29.4	28.5	25.2	27.4	31.2	34.9	37.4	37.7	41.4	45.9	45.6	45.4	43.5	41.0	35.4
23 D	36.5	37.0	37.0	35.7	33.8	28.7	27.8	34.5	32.4	33.8	34.1	49.6	50.1	55.7	50.4	44.6	46.2	43.6	43.2	42.0	42.4	33.0	34.6	37.7	39.4
24	28.9	34.5	31.4	36.0	34.5	32.4	34.6	37.8	34.7	34.5	35.4	38.2	33.6	33.6	35.3	37.8	41.0	43.7	44.0	41.4	39.3	39.5	39.5	38.7	36.6
25	37.2	36.8	35.6	31.3	36.5	27.5	27.7	29.7	34.8	31.7	31.5	33.7	33.4	39.6	36.5	37.0	37.8	40.3	41.0	39.3	38.8	37.4	36.6	38.0	35.4
26	38.0	37.7	36.8	36.3	36.2	35.9	35.7	36.7	36.1	34.8	33.3	30.5	30.9	31.5	35.6	38.9	40.5	41.4	41.3	41.8	41.2	39.2	37.7	36.7	36.9
27	36.5	35.8	36.2	35.7	35.5	34.7	33.5	33.3	32.7	31.8	30.9	29.4	28.5	28.8	32.3	36.5	39.8	43.3	43.8	42.0	39.8	38.7	37.5	36.5	35.6
28 Q	36.3	35.9	34.8	33.7	35.1	35.1	34.6	33.7	33.7	32.8	30.6	27.8	26.7	28.1	32.3	36.4	41.0	43.7	44.0	42.7	42.6	38.5	37.0	36.0	35.5
29 Q	35.8	36.3	35.9	35.5	34.8	34.7	33.8	33.4	32.8	32.3	30.9	29.6	29.3	28.8	30.4	34.6	39.1	41.7	43.1	41.9	40.3	39.2	37.7	36.7	35.4
30 Q	36.4	36.3	35.7	35.3	34.8	34.5	34.3	33.7	34.0	33.5	31.4	29.6	28.7	29.7	31.5	35.2	42.2	44.8	43.5	41.2	38.7	34.8	32.1	31.2	35.1
31																									
Mean	36.0	35.6	35.3	34.8	35.2	34.1	35.9	36.9	34.9	33.9	32.5	31.9	29.5	29.0	30.3	33.9	38.6	42.1	43.7	43.2	41.5	38.9	37.1	36.2	35.9

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 15. Agincourt. (Z.) 56,000 γ + April, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	598	595	595	595	594	594	595	595	594	593	593	594	589	588	583	583	580	581	582	583	586	588	590	590	593
2 Q	589	588	588	588	588	588	588	588	587	588	588	588	588	587	573	573	574	575	575	579	585	588	585	582	584
3	579	579	584	582	579	580	579	579	579	578	579	577	571	569	570	571	572	572	574	575	576	580	579	579	577
4	579	578	579	579	577	580	579	576	577	571	563	563	571	571	571	569	570	571	572	572	577	579	578	574	574
5 Q	574	573	572	572	571	570	571	570	568	570	573	574	572	572	571	567	563	561	563	570	571	572	572	573	570
6	572	571	570	558	564	568	565	550	456	478	547	568	569	560	557	557	561	563	565	574	579	583	584	577	558
7	576	592	602	587	597	601	588	583	581	578	578	571	558	555	559	563	564	563	563	569	577	578	575	573	576
8	573	573	571	572	571	570	569	570	570	569	567	569	567	563	559	556	555	560	563	568	569	573	572	570	567
9	566	565	565	566	566	568	568	568	564	558	555	561	558	555	555	555	553	558	566	574	571	571	573	576	564
10	576	571	563	565	567	567	566	566	566	565	558	552	549	552	548	553	555	561	563	563	563	566	563	563	562
11	562	562	562	564	564	564	564	563	562	558	561	559	558	558	554	560	562	568	571	575	582	591	586	587	566
12	572	571	568	567	564	549	560	546	535	538	546	556	561	566	560	559	559	560	564	571	575	570	568	568	561
13 D	567	566	566	567	566	566	565	559	564	562	565	566	560	556	550	548	552	560	563	566	580	595	682	839	581
14 D	747	731	679	652	612	618	478	498	486	546	582	579	578	576	570	577	576	580	587	591	590	592	587	586	592
15	590	595	591	575	554	566	577	577	577	577	577	576	569	571	577	582	591	597	600	600	600	599	600	600	584
16 D	600	592	588	587	583	578	315	320	819	609	580	522	618	632	647	650	647	660	662	668	679	681	661	648	606
17 D	637	631	628	617	620	613	602	592	594	605	609	624	624	624	627	631	638	641	637	645	649	646	648	635	625
18	629	603	600	593	585	589	575	562	585	594	611	612	614	614	611	606	608	611	619	635	645	655	654	650	611
19	651	643	615	617	618	607	618	622	622	622	622	623	622	623	615	615	612	617	629	636	636	632	632	629	624
20	623	620	618	614	611	606	609	613	613	613	616	619	617	617	613	612	610	614	621	627	632	633	627	624	617
21	622	620	605	598	611	611	612	612	605	605	608	613	618	616	603	601	600	600	605	608	612	613	616	619	610
22	623	612	603	569	584	595	595	598	596	592	595	597	595	595	590	587	587	587	591	609	631	625	618	611	599
23 D	617	615	603	598	598	584	582	553	494	481	464	475	475	496	546	575	603	632	642	649	675	719	649	636	582
24	629	623	625	565	572	583	589	586	589	586	583	568	573	584	576	576	590	599	600	607	615	612	607	604	594
25	604	600	599	599	597	588	576	570	583	576	576	584	585	580	565	568	576	589	599	607	612	631	622	619	591
26	620	610	600	595	593	589	583	575	578	581	583	589	582	581	578	582	581	585	589	597	594	592	590	587	589
27	587	585	585	585	585	585	585	586	586	585	585	587	588	588	579	584	586	589	588	592	592	592	592	592	588
28 Q	592	593	592	585	589	589	592	589	589	589	589	588	588	588	588	585	584	582	587	590	589	592	593	595	589
29 Q	595	592	596	596	595	596	589	596	596	596	598	596	596	596	585	580	580	585	589	588	589	589	589	588	591
30 Q	588	588	589	588	589	589	588	588	589	589	592	589	588	588	580	580	581	584	588	590	592	592	590	588	588
31																									
Mean	600	597	592	586	584	584	570	568	579	574	577	577	579	580	579	579	584	586	590	595	600	604	602	605	586

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16. Agincourt. April, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	09	43	358	16	01	287	71	19	23	46.0	14	27	23.8	22.2	00	37	598	16	42	580	18
2 Q	20	44	370	16	43	290	80	19	07	44.4	13	42	23.6	20.8	21	32	593	15	23	573	20
3	22	44	353	18	34	288	65	18	05	43.3	13	44	23.8	19.5	03	00	584	13	40	566	18
4	20	52	349	16	48	271	78	18	19	44.0	13	13	22.8	21.2	06	40	580	11	00	558	22
5 Q	23	11	351	16	28	286	65	19	00	47.7	13	42	28.0	19.7	00	10	575	17	56	561	14
6	22	44	402	08	41	149	253	08	25	54.2	09	55	13.6	40.6	22	44	593	08	29	432	161
7	20	53	355	17	22	268	87	18	52	43.9	03	13	17.3	26.6	02	00	625	13	17	552	73
8	21	06	346	16	33	268	78	18	07	43.9	13	13	24.6	19.3	00	13	576	15	56	554	22
9	22	24	352	13	02	258	94	18	34	45.4	12	10	28.4	17.0	23	12	577	15	50	552	25
10	20	37	348	14	51	277	71	17	03	45.6	13	03	26.9	18.7	00	02	576	14	43	548	28
11	21	40	387	17	01	266	121	17	44	52.6	13	00	22.4	30.2	21	42	604	14	47	554	50
12	19	57	383	15	46	265	118	16	53	45.8	12	31	24.5	21.3	20	04	582	08	06	530	52
13 D	22	57	605	16	02	203	402	17	55	51.4	14	06	17.9	33.5	23	00	1033	16	02	532	501
14 D	05	19	418	04	57	088	330	08	08	54.5	12	56	12.5	42.0	01	14	784	06	51	281	503
15	00	24	369	16	00	224	145	18	33	43.6	14	52	22.7	20.9	23	57	606	04	38	548	58
16 D	07	38	622	07	50	-151	773	07	00	125.1	13	37	-13.6	138.7	08	14	1086	07	00	-012	1098
17 D	21	02	369	07	57	208	161	06	09	47.5	16	02	24.7	22.8	19	52	660	07	57	573	87
18	21	12	367	16	08	239	128	07	01	50.9	13	12	23.3	27.6	22	05	666	07	18	554	112
19	20	14	343	15	33	226	117	17	28	49.3	13	40	25.6	23.7	22	03	665	05	13	607	58
20	21	23	389	15	37	248	141	19	00	44.4	13	59	24.5	19.9	20	58	637	05	18	606	31
21	02	38	349	15	02	262	87	19	13	44.8	12	44	27.5	17.3	01	01	624	03	07	596	28
22	20	11	353	03	23	272	81	19	32	50.5	12	52	22.8	27.7	20	10	636	03	38	553	83
23 D	21	53	414	12	11	184	230	13	09	59.3	21	54	18.3	41.0	21	49	805	10	33	446	359
24	03	12	346	03	47	268	78	03	24	48.0	00	13	20.2	27.8	00	08	643	03	20	546	97
25	21	40	359	13	28	250	109	13	32	44.2	05	36	16.8	27.4	21	30	638	07	03	555	83
26	21	46	342	14	27	281	61	19	04	42.1	11	50	28.8	13.3	00	30	622	07	30	575	47
27	21	30	349	14	43	296	53	17	46	44.3	12	10	27.2	17.1	21	32	596	15	42	581	15
28 Q	19	38	350	14	48	286	64	18	13	44.7	12	16	25.7	19.0	23	07	596	16	48	581	15
29 Q	20	18	354	15	11	297	57	18	53	43.2	13	07	28.2	15.0	10	30	599	16	13	580	19
30 Q	09	48	344	15	08	291	53	17	35	45.2	12	57	27.7	17.5	20	30	593	16	14	578	15
31																					
Mean			380			238	142			49.7			22.0	27.7			652			528	124
No. days			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, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	332	332	332	335	335	335	332	336	337	332	332	332	327	326	316	321	327	331	339	342	339	342	340	336	333
2	334	338	342	329	326	332	332	334	330	326	316	315	316	310	311	312	308	312	327	332	336	342	347	346	327
3	333	333	337	341	327	283	297	304	305	307	312	313	312	299	283	280	274	289	321	323	303	343	351	329	313
4 D	312	305	292	219	292	309	301	296	302	309	321	321	313	273	243	204	304	305	331	340	315	311	319	331	299
5	326	339	329	331	309	317	318	318	316	313	313	319	312	292	282	263	264	293	309	319	305	326	331	336	312
6	321	314	317	317	316	309	320	324	327	322	328	324	314	288	279	289	297	304	304	302	305	316	324	326	312
7	328	326	326	323	325	324	325	331	326	327	325	322	327	323	312	297	285	304	314	319	321	328	331	328	319
8 Q	331	334	333	333	336	333	326	333	338	336	340	338	321	308	306	304	309	309	318	321	335	336	335	337	327
9	337	336	336	332	335	335	333	333	333	334	338	340	333	317	302	297	313	333	343	338	341	346	357	326	332
10	332	330	337	335	337	333	331	331	333	333	336	333	327	322	314	310	319	327	336	338	343	344	340	337	332
11 D	338	343	336	322	331	347	344	342	346	341	342	339	333	321	307	313	321	321	256	439	604	604	604	368	370
12 D	377	256	224	206	212	-007	-017	039	168	178	250	266	265	222	201	218	240	236	278	288	304	327	363	384	228
13	342	285	281	283	289	288	293	293	293	290	284	278	263	268	261	261	278	290	298	304	317	306	322	324	291
14 D	319	313	310	296	307	308	305	299	289	303	291	166	216	244	212	257	276	283	279	284	310	366	415	390	293
15	351	276	294	298	216	293	305	301	299	303	296	296	272	280	281	288	281	293	299	307	315	330	341	315	297
16	315	317	319	315	307	281	279	285	266	288	296	298	296	274	249	247	268	287	284	304	320	317	337	325	295
17	329	323	313	315	313	310	314	305	304	290	299	309	295	275	269	277	283	293	331	339	343	339	348	332	310
18	329	323	324	318	321	314	311	304	318	313	308	311	311	305	301	297	304	315	319	333	333	328	330	326	317
19	328	326	327	326	324	323	323	326	320	318	314	314	315	314	305	299	318	330	342	348	353	352	343	339	326
20 Q	333	321	323	323	326	328	326	326	328	329	334	333	323	308	292	285	296	312	323	338	342	340	343	334	323
21	333	333	333	324	328	333	328	323	328	340	339	342	342	325	314	307	310	315	323	326	335	337	335	338	329
22	339	343	343	338	338	330	332	335	335	333	329	329	333	328	318	304	313	327	331	343	340	338	338	335	332
23 Q	336	337	334	334	332	334	336	336	335	336	336	334	331	326	326	333	344	354	361	356	356	347	343	344	339
24	344	343	340	341	343	343	339	338	340	345	348	341	333	331	350	346	340	346	363	375	402	371	374	324	348
25	340	335	336	356	354	352	354	350	348	341	340	339	339	330	326	324	339	352	366	365	369	364	344	335	346
26 Q	336	338	344	341	327	306	316	325	327	326	329	326	315	304	304	311	321	330	336	342	346	348	343	336	328
27	335	336	336	339	329	330	332	333	334	329	330	329	317	302	295	302	323	336	348	363	375	367	361	339	334
28	334	336	336	338	343	347	343	343	332	345	343	339	326	312	295	283	302	321	340	363	388	334	349	347	333
29 D	345	335	314	301	296	284	265	223	171	282	282	268	256	233	217	241	256	290	315	334	354	346	371	346	288
30	336	323	327	321	323	324	326	319	309	305	309	309	290	278	288	283	273	283	302	326	339	344	341	338	311
31	333	320	317	320	316	316	314	314	319	322	324	320	314	301	291	281	282	298	319	339	349	333	326	326	315
Mean	334	324	322	317	316	309	309	309	311	316	317	314	309	298	289	288	299	310	321	335	346	347	352	338	318

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18. Agincourt. (D.) West. 7° + . . . ′ May, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1Q	31.9	32.8	33.0	33.0	32.8	32.4	32.0	31.7	31.9	30.2	28.9	27.0	27.2	28.8	31.7	35.5	37.8	40.4	42.3	41.6	40.6	40.3	38.6	38.0	34.2
2	37.5	36.9	36.5	32.7	34.1	35.0	34.2	32.8	33.3	32.8	28.9	27.6	26.2	27.5	34.2	35.7	37.5	40.0	40.8	40.0	38.3	37.4	35.6	34.6	34.6
3	35.1	35.7	35.2	34.2	21.5	26.0	23.5	24.6	26.7	31.3	29.7	23.8	25.5	26.7	28.5	29.1	35.9	39.1	41.7	43.0	41.8	38.7	34.2	33.7	31.9
4D	20.6	23.9	25.3	32.2	28.2	28.0	34.3	30.4	32.3	32.5	29.7	27.0	25.7	26.8	36.4	44.9	49.7	41.8	44.7	44.7	45.2	43.6	37.8	36.9	34.7
5	36.7	33.2	16.6	27.7	28.9	32.7	34.1	34.0	33.7	32.4	31.3	29.4	28.7	30.0	30.4	34.7	39.7	42.8	42.9	42.2	41.7	39.9	36.3	30.8	33.8
6	33.8	33.9	35.0	37.9	41.3	33.7	29.7	34.0	32.4	31.4	29.3	27.3	27.5	27.0	32.8	37.8	39.3	39.6	40.9	42.0	41.3	39.9	38.5	37.9	35.2
7	37.5	36.1	35.7	35.6	35.4	35.0	34.7	34.6	34.5	32.9	32.8	31.3	29.0	28.9	29.1	31.2	35.4	37.5	36.9	36.8	36.5	35.9	35.0	34.9	34.3
8Q	35.2	35.3	35.5	35.4	33.9	31.0	31.5	33.3	32.7	31.8	29.9	28.1	26.4	27.6	30.5	33.4	35.7	38.5	40.4	40.2	38.5	37.2	35.7	34.6	33.8
9	34.3	35.4	35.2	35.4	35.3	34.6	34.3	34.6	34.1	33.6	32.2	30.1	28.5	29.4	33.5	38.5	41.0	42.2	39.7	39.3	37.7	37.5	34.6	33.6	35.2
10	32.8	28.0	32.0	35.8	35.4	31.7	32.4	33.6	32.7	31.5	29.7	28.5	26.7	28.1	31.8	35.7	38.6	40.6	40.9	40.4	38.0	35.7	34.4	33.6	33.7
11D	32.8	32.9	30.0	29.6	31.4	33.4	33.0	33.7	37.4	33.4	25.4	22.9	23.4	25.3	29.9	33.7	38.1	23.4	28.7	21.7	-13.6	05.2	21.3	74.0	28.6
12D	31.5	40.8	41.7	40.0	42.0	73.0	35.1	26.4	39.6	42.8	36.7	27.8	24.3	29.3	40.1	45.3	46.4	48.3	44.0	42.4	37.5	36.3	31.5	28.5	38.4
13	25.4	35.7	37.7	38.0	37.5	37.8	37.3	36.6	35.7	33.8	32.1	29.9	29.7	29.8	34.0	39.2	42.3	43.6	43.4	42.6	40.4	39.4	35.7	32.9	36.3
14D	33.7	31.2	32.4	33.4	34.7	35.3	30.9	34.7	30.7	27.7	26.6	43.2	30.4	26.6	35.4	42.3	40.6	44.2	47.1	45.5	42.4	36.4	28.9	30.5	35.2
15	21.5	26.6	24.5	27.5	41.7	34.0	33.5	36.0	36.0	32.6	30.7	28.0	27.5	29.3	30.7	32.0	35.5	38.9	42.6	43.4	40.9	38.2	36.3	33.8	33.4
16	34.3	35.6	29.7	33.3	35.6	33.3	38.7	27.7	40.4	35.6	32.7	32.8	27.7	26.4	31.7	37.5	40.2	40.7	44.7	44.8	41.7	39.6	36.4	34.6	35.6
17	29.7	33.5	28.0	27.4	29.8	33.4	37.7	34.6	31.9	36.7	34.0	29.0	26.8	27.6	29.8	34.7	36.3	38.8	36.7	38.4	41.4	39.6	34.7	34.9	33.6
18	35.4	35.9	34.2	34.9	38.4	33.7	35.4	38.4	32.4	31.6	29.7	27.8	26.8	26.9	28.7	31.4	35.1	38.3	40.4	40.3	39.3	38.2	36.1	34.9	34.3
19	34.9	33.6	34.9	34.9	34.3	35.4	35.4	35.7	36.3	34.8	32.7	30.4	29.7	29.3	30.4	35.4	38.4	41.0	41.7	41.1	40.4	37.7	35.7	34.4	35.4
20Q	35.2	36.1	36.9	36.1	35.4	35.4	35.9	35.5	35.3	34.0	31.4	29.7	28.3	28.9	30.8	33.6	37.2	40.6	41.7	40.8	38.6	36.5	32.8	32.7	35.0
21	34.0	33.9	34.3	34.9	35.5	34.8	35.1	34.3	32.7	30.3	28.8	25.7	25.7	25.7	29.0	32.4	35.3	38.0	38.6	38.7	37.8	36.8	36.1	34.8	33.5
22	34.9	35.4	35.5	33.7	32.5	33.6	33.7	33.9	32.6	34.4	35.3	32.5	30.6	31.8	32.2	33.7	40.2	39.8	41.0	40.8	40.4	38.9	37.1	35.7	35.5
23Q	35.8	35.5	35.6	35.0	34.9	34.3	33.7	32.9	32.4	31.3	30.8	31.7	31.8	32.8	32.4	33.7	35.7	38.0	38.4	37.8	37.8	38.0	37.3	36.3	34.8
24	36.7	36.4	35.8	35.6	34.7	34.0	33.8	32.9	32.8	33.1	32.5	30.9	28.0	31.1	33.9	35.1	31.5	43.6	42.8	39.2	36.8	37.0	38.0	36.6	35.1
25	37,7	38.9	37.8	35.8	31.7	28.0	28.9	30.7	32.2	31.0	30.9	28.7	28.9	29.0	31.9	35.7	38.7	39.7	38.8	37.8	35.9	34.8	34.3	33.8	33.8
26Q	33.9	34.7	35.4	34.7	36.4	32.7	31.5	33.3	32.9	32.1	29.3	28.0	26.9	29.7	32.7	35.4	37.6	39.2	39.6	39.5	38.6	37.5	36.3	35.6	34.3
27	35.9	34.9	34.9	32.7	33.3	33.4	34.8	37.5	34.8	32.8	31.6	30.2	31.3	33.6	36.4	41.0	46.4	48.1	50.6	43.3	37.9	34.7	32.3	32.8	36.5
28	33.7	33.3	34.3	33.4	33.9	34.6	33.8	32.8	30.4	28.8	26.7	24.3	24.8	27.8	30.3	36.0	41.6	45.2	46.6	44.8	41.5	40.4	36.5	32.3	34.5
29D	29.8	32.8	32.8	29.7	30.2	27.7	44.6	27.1	43.8	28.8	26.4	38.3	29.7	26.7	31.0	40.4	43.7	47.7	43.4	40.0	37.3	34.3	31.0	30.7	34.5
30	32.3	35.4	36.6	36.1	35.6	35.6	35.5	36.7	39.4	34.3	27.7	22.8	22.8	29.3	33.1	38.3	42.8	45.7	46.2	43.9	40.5	36.3	34.5	33.0	35.6
31	33.6	34.3	35.1	37.4	37.3	35.9	34.2	36.4	32.7	32.4	27.4	25.1	23.0	25.1	27.8	32.7	37.7	42.4	44.8	43.8	41.4	40.0	38.3	36.7	34.8
Mean	33.5	34.2	33.5	34.0	34.3	34.5	34.0	33.3	33.8	32.7	30.4	29.0	27.4	28.5	32.0	36.0	39.1	40.9	41.7	40.7	37.9	36.8	34.9	35.4	34.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 19. Agincourt. (Z.) 56,000 γ + May, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	586	584	585	583	583	582	581	581	578	578	577	578	581	583	581	579	580	581	582	588	593	595	600	595	584
2	595	593	593	593	595	592	591	589	584	580	581	579	580	582	582	581	582	587	589	589	592	595	597	597	588
3	595	592	588	585	555	526	549	554	565	551	543	557	564	572	574	572	573	586	600	614	616	622	643	651	581
4 D	662	651	628	503	510	565	568	539	543	571	587	599	601	594	578	578	583	587	586	601	622	625	623	607	588
5	599	606	573	565	583	594	593	593	592	591	591	592	591	587	579	580	592	601	600	614	606	605	614	629	595
6	613	603	600	582	520	525	569	585	584	582	587	589	587	585	582	580	579	586	586	593	592	593	593	592	582
7	592	593	589	593	593	590	589	588	587	587	590	589	588	589	591	592	593	596	596	595	593	597	593	593	591
8 Q	591	593	590	591	589	585	582	590	590	590	590	590	587	585	580	572	574	577	579	582	589	593	593	590	586
9	589	588	585	586	587	586	585	586	589	588	589	590	587	585	569	565	564	561	567	572	578	580	593	589	582
10	590	586	584	582	581	573	573	580	581	584	586	585	582	581	579	585	583	577	579	587	584	591	587	585	583
11 D	585	584	588	584	578	574	578	580	570	566	571	578	576	571	555	559	560	571	655	828	657	217	579	310	561
12 D	599	614	612	512	505	368	339	321	505	555	571	579	589	586	588	603	613	619	614	614	623	620	656	678	562
13	598	629	616	605	598	597	595	597	597	597	596	596	591	588	586	582	580	575	579	588	595	598	601	606	598
14 D	602	601	591	598	601	580	584	576	562	575	565	461	490	536	542	533	547	565	582	589	598	655	696	624	578
15	579	541	558	538	417	494	568	581	583	590	582	578	569	566	569	576	581	590	590	590	589	595	597	591	567
16	590	587	583	576	528	513	488	507	496	516	541	546	558	574	576	586	584	593	597	607	609	603	600	597	565
17	599	564	565	557	560	572	545	543	560	570	573	582	586	585	585	586	583	589	596	604	609	601	596	589	579
18	589	588	587	586	568	564	576	560	573	579	578	581	582	584	580	581	581	583	584	585	587	587	590	587	581
19	585	584	585	583	585	584	584	584	581	580	580	580	581	581	573	580	579	576	580	589	595	595	594	594	584
20 Q	591	589	588	587	586	585	586	587	588	592	591	590	589	587	583	580	581	585	591	599	602	598	600	600	590
21	594	594	594	593	594	592	587	584	584	589	593	590	589	587	579	574	573	576	580	584	589	593	597	598	588
22	594	593	594	590	586	587	592	593	591	590	587	587	587	586	581	580	583	579	578	586	587	594	594	594	588
23 Q	593	593	591	590	587	589	589	588	590	590	586	586	590	587	578	572	570	574	575	581	585	588	588	590	586
24	589	588	588	586	587	586	586	587	586	590	586	585	582	580	571	572	574	578	585	588	598	600	611	615	588
25	603	592	588	589	588	575	577	584	584	582	583	583	582	577	571	569	569	571	574	579	585	590	589	585	582
26 Q	586	584	584	584	576	568	584	588	587	588	590	587	583	582	570	571	568	563	568	573	576	576	576	576	578
27	574	573	575	572	568	570	569	567	570	576	576	578	574	571	573	572	573	583	593	593	593	591	590	583	577
28	583	582	579	576	575	575	575	529	567	575	580	576	572	569	559	557	559	565	568	572	586	582	585	584	572
29 D	582	584	587	584	567	558	459	472	441	474	472	465	483	511	538	545	574	596	597	597	595	607	629	644	548
30	632	610	600	589	586	588	588	560	521	527	544	550	556	567	561	566	567	576	582	597	610	607	602	594	579
31	596	598	596	587	584	588	586	566	559	575	580	584	586	581	577	578	576	570	575	581	581	584	584	588	582
Mean	595	592	589	578	568	565	565	563	567	573	576	574	576	577	574	574	577	581	587	599	597	586	599	592	580

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20. Agincourt. May, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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 Q	23	10	360	14	00	311	49	18	12	42.6	12	20	26.6	16.0	23	10	600	17	20	577	23
2	22	50	356	14	00	305	51	18	17	40.8	13	40	24.2	16.6	22	40	600	11	50	577	23
3	21	55	369	16	20	269	100	19	52	44.7	04	50	15.7	29.0	23	59	655	05	19	507	148
4 D	04	00	391	15	22	099	292	15	59	59.7	04	00	-03.3	63.0	03	57	748	03	39	431	317
5	02	58	403	16	08	254	149	17	07	44.7	02	23	05.7	39.0	02	17	640	02	58	514	126
6	04	33	338	13	57	268	70	04	47	47.2	12	48	24.0	23.2	00	12	619	04	52	497	122
7	07	14	333	16	37	281	52	16	42	37.7	12	42	27.9	9.8	17	13	600	08	48	585	15
8 Q	20	38	343	15	02	297	46	18	25	40.6	12	07	26.2	14.4	22	06	595	15	59	571	24
9	22	17	372	14	48	294	78	17	07	42.4	12	58	26.4	16.0	23	54	600	17	05	561	39
10	21	32	355	14	54	294	61	17	30	40.9	01	53	18.1	22.8	21	34	594	05	44	573	21
11 D	21	30	653	23	50	-032	685	23	47	135.4	21	19	-41.0	176.4	19	58	973	21	50	-087	1060
12 D	00	07	664	07	00	-100	764	05	08	106.6	23	59	-30.0	136.6	23	43	908	05	47	143	765
13	00	01	493	14	26	252	241	18	03	44.0	00	19	01.3	42.7	01	40	635	00	09	501	134
14 D	22	03	458	11	27	105	353	11	43	59.3	23	24	18.0	41.3	22	03	755	11	46	448	307
15	00	06	377	04	59	143	234	04	24	55.4	01	27	04.3	51.1	01	14	624	04	22	373	251
16	22	14	349	14	51	227	122	08	35	48.2	12	28	24.0	24.2	20	34	612	06	31	475	137
17	20	00	364	13	52	264	100	06	48	41.6	02	42	17.7	23.9	19	52	617	06	45	524	93
18	19	58	341	16	07	294	47	04	50	44.7	12	28	26.3	18.4	00	02	592	04	52	552	40
19	20	30	358	15	17	294	64	17	53	42.7	12	40	28.0	14.7	21	30	599	14	27	573	26
20 Q	22	17	353	15	12	281	72	18	18	42.0	12	54	27.5	14.5	20	10	606	15	49	578	28
21	09	28	349	16	13	293	56	19	43	39.0	11	32	23.7	15.3	23	20	601	16	14	571	30
22	19	43	356	15	49	296	60	19	08	41.5	12	49	29.6	11.9	22	50	599	17	55	576	23
23 Q	18	35	363	13	23	322	41	18	06	39.1	10	33	30.5	08.6	00	18	594	16	37	570	24
24	20	37	423	23	44	294	129	17	38	48.0	12	57	24.8	23.2	23	28	622	14	38	567	55
25	19	02	374	15	16	319	55	17	37	40.5	05	30	24.6	15.9	00	06	611	14	56	567	44
26 Q	20	44	353	05	43	297	56	18	22	39.8	12	06	25.4	14.4	11	00	589	04	17	560	29
27	20	10	387	13	59	290	97	18	04	51.8	11	16	29.2	22.6	20	10	597	04	21	566	31
28	20	48	414	15	06	271	143	18	37	47.0	11	55	22.5	24.5	20	52	601	07	20	497	104
29 D	22	43	382	08	38	116	266	06	22	65.7	13	14	18.7	47.0	23	32	659	08	35	370	289
30	20	55	351	13	19	262	89	18	00	46.2	12	03	19.7	26.5	00	01	650	08	33	506	144
31	20	50	354	15	33	277	77	19	03	46.0	12	52	22.4	23.6	01	44	601	08	00	522	49
Mean			391			240	151			50.5			17.4	033.1			642			496	146
No. days			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, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	·9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	333	327	324	325	327	328	330	316	328	332	330	330	320	315	306	322	342	355	359	351	336	329	331	331
2 D	332	340	335	331	337	334	328	331	336	335	330	327	316	317	313	301	301	320	336	361	380	444	338	337	336
3	320	312	320	320	321	320	320	323	321	320	325	324	316	305	301	303	315	331	342	346	352	348	346	325	324
4 Q	325	333	328	330	328	331	330	331	332	328	331	331	318	302	292	292	306	321	335	350	355	346	341	342	327
5	347	355	335	320	322	331	333	330	337	337	332	335	326	320	313	311	320	341	361	369	364	354	345	339	337
6	340	337	337	336	336	336	339	340	346	339	337	339	336	316	296	306	337	361	373	372	360	355	345	336	340
7	337	337	335	335	337	339	345	343	342	337	332	328	320	310	311	312	316	329	344	349	359	355	384	372	338
8 D	363	353	334	347	342	315	317	326	336	313	343	346	329	320	299	309	333	336	370	380	360	363	336	321	337
9	320	324	329	330	337	341	340	339	346	338	340	338	334	326	316	321	336	346	355	366	363	360	360	351	340
10	345	343	342	336	332	329	332	327	322	317	318	321	316	302	275	255	278	302	337	362	394	370	363	342	328
11 D	351	340	315	310	305	309	308	316	318	317	321	316	307	301	267	275	273	287	295	310	352	330	341	352	313
12 D	368	331	320	309	299	269	284	268	270	317	307	308	311	300	288	276	290	305	362	380	400	403	374	354	321
13 D	347	342	323	327	302	293	293	267	269	298	320	315	308	317	298	273	275	285	308	325	334	338	329	344	310
14	339	328	321	318	315	314	318	318	320	325	330	330	322	310	303	293	300	313	323	330	335	343	349	334	322
15 Q	338	333	326	327	327	326	327	325	327	330	335	339	332	318	305	296	295	299	320	341	352	347	343	341	327
16	333	330	329	329	328	329	328	323	320	324	322	325	319	311	285	275	289	364	339	347	347	357	355	343	327
17	334	337	327	323	327	327	329	332	331	332	334	337	334	325	304	294	298	307	329	334	346	345	341	337	328
18	339	329	325	327	328	333	336	333	338	332	332	337	332	317	308	298	298	314	337	360	366	358	349	345	332
19	337	339	339	339	339	342	342	344	342	344	346	347	343	328	313	312	319	331	349	358	356	351	349	343	339
20	344	339	340	340	343	341	342	340	341	342	343	340	339	335	328	325	329	333	344	349	363	369	358	375	343
21	358	348	362	339	328	319	313	317	330	324	323	323	327	322	311	310	317	333	346	354	361	358	357	347	335
22	338	338	338	337	333	323	322	327	330	332	335	338	332	324	317	321	327	331	341	342	344	341	341	339	333
23 Q	337	332	330	328	331	330	332	329	325	328	329	330	329	322	314	314	320	333	344	349	347	341	339	334	331
24	332	332	335	335	337	337	335	335	344	346	347	344	336	322	315	315	327	341	350	354	356	359	348	339	339
25	339	332	337	335	330	330	332	332	337	334	333	327	319	315	318	319	318	323	339	358	364	353	345	341	333
26	343	338	339	343	338	334	332	331	333	339	339	337	331	319	310	304	316	327	349	361	376	357	347	341	337
27 Q	346	342	335	335	335	334	332	328	329	329	332	342	344	332	319	305	307	320	335	351	357	344	346	337	334
28 Q	338	335	338	335	337	333	333	330	332	333	333	333	328	314	300	288	291	319	346	362	361	358	346	335	332
29	342	334	342	339	337	342	342	338	332	334	336	334	327	314	293	274	274	293	318	340	336	349	339	341	327
30	337	336	339	337	328	328	332	332	332	328	332	332	320	309	310	305	307	315	337	342	352	356	356	352	331
31																									
Mean	340	336	332	330	328	326	327	326	327	329	331	331	325	316	304	299	307	323	340	352	357	356	348	342	331

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 22. Agincourt. (D.) West. 7° + . . . ′ June, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	35.2	34.5	34.8	35.5	34.7	34.8	34.3	33.9	34.7	31.7	29.3	28.1	26.7	30.7	32.5	36.3	40.9	42.9	42.7	40.4	39.0	37.4	36.3	35.4	35.1
2 D	35.0	34.4	33.2	35.5	32.5	31.7	32.6	32.6	31.8	30.6	29.3	26.9	30.7	31.5	31.7	32.6	36.7	30.8	40.6	39.1	36.7	35.6	33.3	32.7	33.2
3	27.7	31.8	34.4	35.4	34.8	35.6	35.4	35.1	34.8	32.9	29.9	27.8	27.3	28.9	31.0	35.5	39.1	41.7	42.2	40.4	38.7	37.6	35.4	35.4	34.5
4 Q	34.8	35.2	35.1	31.7	34.5	34.5	34.4	33.7	33.3	32.6	31.5	26.3	25.2	26.7	29.3	32.6	36.3	39.7	41.5	40.5	38.7	38.3	37.7	36.7	34.2
5	35.6	33.4	31.6	32.4	33.4	32.6	30.3	29.7	30.9	30.4	28.8	28.4	26.4	26.3	28.3	33.6	38.0	42.7	43.5	41.3	39.6	36.7	35.4	34.2	33.5
6	32.4	30.2	32.5	34.3	34.6	34.3	34.4	34.4	34.6	33.0	27.7	25.4	24.9	26.0	27.8	38.7	40.7	41.7	39.9	38.3	36.9	35.6	33.8	33.2	33.6
7	33.1	32.9	33.8	34.7	35.1	34.6	34.4	34.7	34.5	32.7	29.3	27.5	28.5	30.0	33.7	36.9	39.8	41.3	40.2	38.7	38.0	37.3	35.7	33.0	34.6
8 D	31.4	29.0	32.6	31.1	25.2	35.4	25.3	33.6	37.4	33.3	23.7	21.7	21.8	26.9	29.6	34.4	38.6	40.9	38.5	39.9	39.7	36.4	34.0	32.3	32.2
9	32.9	32.5	34.4	35.4	34.9	36.3	34.7	33.5	32.6	31.7	29.6	27.1	26.7	27.8	32.4	37.6	40.9	43.7	43.3	40.3	38.3	35.9	33.3	32.7	34.5
10	33.3	34.7	35.4	35.5	35.8	35.4	34.3	31.9	31.7	31.3	29.6	24.9	24.3	25.5	28.0	38.3	42.0	45.3	45.5	44.6	39.7	37.7	35.4	35.7	34.8
11 D	34.2	35.3	32.4	31.7	31.4	32.7	35.6	34.6	33.3	29.7	25.3	22.6	22.4	21.2	26.6	32.6	37.8	39.2	41.5	41.2	36.8	36.1	34.7	28.7	32.4
12 D	25.7	34.2	31.4	28.7	27.2	33.5	34.9	35.6	34.9	35.0	29.7	27.3	23.4	23.0	25.7	32.7	38.6	42.3	40.4	43.7	39.6	39.0	40.5	39.3	33.6
13 D	38.5	37.8	31.4	29.5	32.9	28.0	26.2	39.8	39.6	34.7	27.8	25.9	24.8	23.6	24.9	27.6	32.0	37.6	39.9	41.1	40.7	39.0	36.8	34.6	33.1
14	28.9	30.7	35.2	36.7	35.8	36.2	35.0	34.5	34.1	32.7	30.4	28.3	26.8	28.3	31.4	36.3	40.4	42.8	42.8	41.7	39.9	38.0	35.7	34.3	34.9
15 Q	32.3	31.7	34.0	35.4	35.4	35.5	35.5	34.7	33.9	32.4	30.4	28.1	26.2	26.7	29.3	32.5	37.3	43.3	45.6	44.1	42.3	39.6	36.7	33.3	34.8
16	33.2	33.8	34.8	35.6	25.6	25.5	25.5	25.8	39.8	30.4	27.3	24.7	23.8	23.5	28.1	37.4	39.9	42.8	44.1	42.5	40.4	38.6	35.8	34.9	33.1
17	33.9	34.8	35.3	33.8	34.6	35.1	35.2	34.5	33.5	32.4	29.9	27.7	26.9	27.8	33.6	36.4	40.1	42.9	41.8	42.5	41.4	39.4	37.4	34.6	35.2
18	33.9	35.5	36.1	35.6	35.4	35.3	34.7	35.4	38.8	33.8	28.8	25.6	23.6	22.9	25.8	31.9	37.2	40.1	42.9	42.1	41.9	40.1	37.8	35.6	34.6
19	35.4	34.2	34.5	34.5	35.3	34.4	33.7	32.8	32.2	30.8	28.3	26.4	24.4	23.5	24.4	27.9	35.2	41.8	42.5	42.1	40.3	38.4	36.5	34.8	33.5
20	34.1	34.8	35.3	35.1	34.8	34.3	34.7	33.8	33.5	32.7	30.3	28.6	37.8	36.6	25.3	27.3	31.5	35.7	36.5	37.7	37.3	36.4	35.9	34.9	33.9
21	34.9	35.2	31.5	27.8	26.3	22.4	22.4	25.5	31.4	39.8	35.8	32.8	31.4	28.6	29.7	30.9	33.6	37.1	35.6	36.9	36.7	36.4	34.8	33.6	32.1
22	34.0	33.3	32.8	28.2	32.4	36.2	37.4	33.7	34.9	37.0	30.0	28.6	27.4	28.3	29.4	30.9	34.2	36.0	37.1	37.8	36.8	36.5	35.3	33.9	33.4
23 Q	33.2	33.2	33.0	33.5	34.1	34.8	34.9	34.9	34.4	32.8	30.5	28.8	26.8	26.8	29.4	31.7	34.8	37.3	37.4	36.5	35.5	35.6	35.5	34.5	33.3
24	34.4	33.9	33.8	34.7	34.6	34.6	33.9	34.8	34.3	32.9	28.6	25.4	26.4	26.4	31.4	36.4	39.8	40.5	41.4	41.4	39.8	36.8	35.7	34.8	34.5
25	35.4	33.6	35.0	34.9	33.9	34.6	34.0	33.6	33.0	31.4	29.0	27.4	26.9	27.5	30.8	32.7	36.1	38.9	40.8	40.1	39.0	37.6	34.9	33.7	34.0
26	33.9	33.9	34.5	34.0	34.5	34.5	34.5	33.9	34.2	31.1	28.4	25.7	25.4	25.4	27.7	34.0	38.1	40.9	42.5	42.8	40.1	38.2	36.2	35.3	34.2
27 Q	35.6	33.8	34.2	34.6	34.6	36.8	35.0	33.9	33.4	33.1	30.2	26.6	24.9	24.6	27.4	31.6	36.9	41.5	43.7	42.6	40.1	38.2	35.8	33.9	34.3
28 Q	35.9	34.7	35.0	35.5	35.5	34.8	34.2	34.6	33.6	32.7	29.8	26.9	25.7	24.3	26.1	31.0	38.2	42.6	44.9	44.2	43.3	41.2	38.0	35.5	34.9
29	34.5	33.1	33.7	35.2	34.6	34.9	37.0	36.6	32.9	30.4	28.0	26.3	24.4	23.9	27.0	30.6	35.3	38.2	40.0	39.8	42.6	41.5	38.9	35.8	33.9
30	34.9	35.1	34.5	33.2	30.9	31.6	34.2	33.7	34.4	33.7	28.7	24.7	25.0	24.8	25.8	28.9	34.5	39.6	41.5	42.9	40.8	37.9	35.6	33.9	33.3
31																									
Mean	33.6	33.7	33.9	33.7	33.2	33.7	33.3	33.7	34.2	32.7	29.2	26.8	26.3	26.6	28.8	33.3	37.5	40.4	41.4	40.9	39.4	37.8	36.0	34.4	33.9

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 23. Agincourt. (Z.) 56,000 γ + June, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	585	580	585	580	580	579	579	558	555	573	584	585	580	576	562	565	559	559	565	568	569	571	570	572	572
2 D	571	575	573	571	570	568	568	571	571	571	571	571	571	568	555	548	545	550	554	573	611	658	665	648	579
3	632	610	592	584	575	574	571	574	574	577	576	580	575	570	562	566	566	567	565	563	570	575	581	584	578
4 Q	581	575	573	556	565	569	566	568	567	566	561	562	565	562	548	548	554	561	562	566	566	569	563	569	564
5	568	568	575	579	569	561	554	562	568	568	568	568	561	561	552	557	561	560	560	562	560	565	569	571	564
6	575	573	570	571	570	568	568	567	563	563	565	569	568	564	556	556	554	559	560	567	568	575	575	575	567
7	570	569	570	569	569	568	566	563	567	572	574	574	574	571	566	565	571	574	572	579	581	579	581	574	571
8 D	579	594	592	578	478	509	553	573	553	530	574	578	571	569	563	567	566	559	566	578	577	584	581	577	565
9	577	578	576	575	569	570	573	576	573	576	576	580	573	578	565	564	562	562	559	566	568	570	571	573	571
10	570	570	572	570	571	572	572	572	572	565	557	563	558	561	563	564	568	582	612	620	622	614	616	612	580
11 D	607	584	585	597	604	597	575	579	590	588	586	586	582	579	572	571	565	572	579	587	600	605	600	599	587
12 D	591	581	555	527	491	453	477	469	481	491	490	534	563	578	585	589	591	590	593	611	635	625	598	589	554
13 D	597	600	588	535	519	514	552	438	443	473	519	549	570	581	577	583	588	595	596	599	591	588	585	592	557
14	591	589	582	575	572	569	569	572	573	575	576	576	576	574	568	562	553	548	552	551	551	567	571	569	570
15 Q	568	565	565	565	564	564	561	564	565	567	567	568	568	572	558	553	552	553	554	557	559	564	563	568	562
16	562	560	559	559	559	559	556	552	530	538	549	557	558	559	561	559	558	555	551	552	559	570	581	581	558
17	576	572	572	567	565	561	559	557	556	561	560	564	560	564	553	540	535	528	536	549	557	571	571	567	558
18	563	560	559	557	556	555	554	553	535	540	550	557	556	557	561	558	553	556	550	556	553	557	553	558	554
19	555	555	555	555	554	553	552	552	553	555	555	555	552	548	541	537	530	538	539	542	544	548	548	552	549
20	550	547	546	547	546	547	547	549	547	551	551	555	549	547	540	541	541	547	548	554	554	556	554	557	549
21	555	554	546	542	532	531	514	521	539	532	518	527	528	529	532	529	532	531	535	545	550	550	546	547	536
22	551	552	548	544	544	538	516	531	541	529	538	545	540	545	552	559	559	560	557	557	557	560	560	558	548
23 Q	552	552	552	551	551	551	551	551	552	555	556	556	552	551	546	544	544	544	545	548	550	551	551	557	551
24	554	554	554	554	553	553	553	554	554	557	554	554	551	553	551	546	543	546	549	556	555	560	561	564	554
25	559	558	557	555	558	559	555	555	556	558	559	561	557	560	557	551	552	553	547	555	551	556	559	560	556
26	558	554	554	546	551	552	554	554	553	554	554	554	552	551	548	550	548	550	548	554	561	562	565	563	554
27 Q	557	555	557	557	557	553	552	556	558	559	559	560	564	565	562	552	545	541	541	542	544	552	559	558	554
28 Q	555	552	552	551	550	550	551	553	553	557	556	557	556	557	557	557	550	547	553	555	557	564	563	561	555
29	555	554	553	552	552	552	547	532	541	552	558	559	544	544	541	537	548	570	577	584	580	582	573	562	556
30	554	551	549	554	552	550	551	553	553	554	552	554	551	543	538	539	538	539	540	550	550	553	554	554	549
31																									
Mean	569	566	564	559	553	551	552	549	551	552	556	560	559	559	555	553	553	555	557	564	567	571	571	571	559

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24. Agincourt. June, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	05	364	15	37	304	60	17	57	43.5	12	23	25.9	17.6	00	33	593	08	25	543	50
2 D	21	33	481	15	46	293	188	18	14	44.0	11	25	26.7	17.3	21	52	685	15	42	542	143
3	21	46	359	15	03	298	61	17	48	42.5	00	11	21.5	21.0	00	01	663	19	54	562	101
4 Q	20	26	359	14	37	289	70	18	51	42.3	03	12	23.9	18.4	00	01	584	03	35	546	38
5	19	17	383	14	39	307	76	18	24	44.2	12	27	25.4	18.8	02	58	583	06	18	551	32
6	18	47	376	14	53	281	95	17	53	42.4	12	06	24.2	18.2	23	00	578	14	40	554	24
7	22	30	406	13	59	301	105	17	37	41.7	11	32	26.4	15.3	22	03	606	15	12	561	45
8 D	19	12	428	09	09	258	170	05	10	45.2	04	07	17.7	27.5	01	54	604	04	15	436	168
9	20	34	376	14	56	304	72	17	46	44.4	11	45	25.4	19.0	11	10	580	18	23	557	23
10	20	27	404	15	03	245	159	19	04	47.7	12	30	21.8	25.9	20	06	626	10	24	552	74
11 D	20	33	385	14	30	254	131	18	55	44.7	23	53	18.0	26.7	04	37	615	16	13	564	51
12 D	19	13	451	05	48	213	238	19	53	48.8	04	43	18.0	30.8	21	00	648	05	49	388	260
13 D	00	08	378	08	12	230	148	08	07	46.8	06	10	14.6	32.2	02	05	612	08	05	389	223
14	00	04	410	15	20	290	120	18	07	43.0	01	07	24.0	19.0	00	01	601	17	13	547	54
15 Q	20	52	357	15	50	292	65	18	27	45.6	12	28	25.4	20.2	13	57	573	17	20	552	21
16	21	34	363	15	16	266	97	18	19	45.2	12	37	22.4	22.8	22	39	587	08	26	524	63
17	20	25	356	15	48	291	65	17	34	43.4	12	16	25.6	17.8	00	01	579	17	20	527	52
18	20	28	371	15	55	295	76	18	31	43.4	13	50	21.8	21.6	00	03	568	08	45	527	41
19	19	07	362	14	58	300	62	17	33	43.1	14	18	22.8	20.3	00	01	560	16	33	527	33
20	23	22	393	15	02	324	69	19	43	37.9	14	40	24.8	13.1	23	17	562	14	30	540	22
21	00	07	383	14	22	298	85	09	34	42.5	05	57	19.1	23.4	00	08	561	06	26	510	51
22	20	31	347	14	37	312	35	09	10	42.8	03	14	23.1	19.7	22	40	563	06	20	508	55
23 Q	19	43	353	15	13	310	43	17	32	37.6	13	17	26.1	11.5	23	50	559	15	30	544	15
24	20	00	361	15	53	313	48	19	36	42.5	11	25	24.8	17.7	23	02	564	16	41	542	22
25	19	51	367	13	27	308	59	18	14	40.8	12	40	26.0	14.8	23	47	562	18	24	547	15
26	20	43	378	15	42	303	75	19	08	43.3	12	52	23.8	19.5	22	17	565	03	47	539	26
27 Q	20	22	363	16	39	301	62	18	51	43.9	12	18	23.6	20.3	13	30	568	17	44	538	30
28 Q	19	47	371	15	44	284	87	18	56	45.0	13	17	23.8	21.2	22	30	568	17	20	546	22
29	21	32	358	15	47	266	92	20	13	43.6	12	52	23.5	20.1	21	28	589	07	20	527	62
30	22	12	361	15	18	293	68	19	37	44.1	12	00	22.7	21.4	00	01	559	15	28	534	25
31																					
Mean			380			287	93			43.5			23.1	20.4			589			527	62
No. days			31			31	31			31			31	31			31			31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 25. **Agincourt.** (H.) 15,000 γ + July, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	347	338	338	313	318	333	321	299	277	297	299	306	309	285	290	285	297	306	321	349	386	390	379	323
2	325	331	321	328	333	323	284	311	323	317	308	319	312	307	300	294	287	308	323	333	336	336	340	336	318
3 Q	331	328	329	333	335	343	331	330	333	331	331	330	326	323	318	312	323	338	346	341	337	342	342	345	333
4 D	340	347	347	336	320	312	313	299	288	298	306	306	291	278	342	296	304	340	362	393	411	418	325	345	330
5	348	342	343	334	348	333	323	325	323	328	325	325	308	278	272	289	312	320	335	339	343	338	328	339	325
6	345	344	354	344	329	306	311	319	310	314	325	320	298	294	296	286	284	304	316	333	338	330	330	330	319
7	333	334	330	329	334	335	333	325	324	329	333	338	320	305	297	284	275	292	306	320	348	364	343	338	323
8	329	333	328	324	330	330	329	328	326	333	328	321	309	305	296	294	287	299	319	334	338	344	343	339	323
9	338	333	331	329	334	338	338	333	333	331	331	333	325	310	295	286	285	298	320	339	367	375	418	396	334
10 D	357	304	300	324	320	302	272	311	323	328	330	317	305	290	296	305	314	321	298	324	343	340	338	349	317
11	339	324	323	325	328	328	330	335	335	342	347	349	347	340	329	321	329	347	362	367	364	355	345	338	340
12	333	335	331	328	328	329	328	329	330	333	335	333	327	319	314	311	320	333	345	340	344	347	345	341	332
13	340	338	340	339	340	340	340	339	339	340	340	331	322	304	282	287	306	325	335	349	374	379	424	394	340
14	323	336	314	307	306	320	320	320	319	324	323	311	294	309	300	282	270	294	308	350	362	343	329	334	317
15 D	323	321	313	318	325	339	344	336	318	284	224	238	269	224	200	211	226	285	420	613	571	621	593	483	350
16 D	318	280	272	273	285	290	287	282	251	184	232	266	228	265	268	244	241	274	285	310	288	314	333	320	274
17	310	319	316	310	306	304	301	305	313	313	310	317	315	310	299	301	297	301	319	330	338	331	323	320	313
18	318	316	315	314	314	319	317	319	320	319	320	318	309	311	385	280	286	318	330	337	333	330	330	328	316
19	335	316	315	315	316	321	323	318	316	305	301	304	308	295	290	385	281	297	307	318	318	328	334	329	311
20	335	326	325	320	320	311	323	333	334	328	329	323	319	311	292	269	272	289	314	331	328	343	344	331	319
21	323	326	321	323	324	328	329	325	324	328	328	323	320	302	297	292	299	309	310	320	338	334	340	336	321
22	336	329	331	333	329	328	331	333	330	329	337	335	340	334	310	304	301	310	321	333	336	334	330	328	327
23	333	322	326	321	316	312	314	312	314	317	319	321	309	294	286	284	285	299	321	351	362	368	362	343	321
24	335	329	325	325	326	300	326	324	324	325	328	329	318	304	294	282	285	301	319	335	353	355	358	352	324
25 Q	338	328	331	327	329	300	328	326	326	330	334	334	325	306	290	272	280	294	307	325	338	343	339	330	321
26 Q	328	330	330	330	331	329	329	328	328	330	331	323	309	291	275	287	318	339	350	353	349	337	335	334	326
27 Q	329	331	330	333	336	330	325	321	320	321	321	318	312	305	301	310	321	332	348	355	363	353	339	331	328
28 Q	333	329	329	329	329	326	327	324	324	326	329	328	319	299	281	275	271	289	314	333	345	353	349	334	321
29	329	333	333	334	334	337	336	339	337	335	343	338	324	315	319	300	284	295	325	345	354	347	379	338	331
30 D	346	331	310	310	310	077	-040	139	-064	072	216	306	281	291	296	271	277	282	294	318	340	364	343	315	245
31	304	295	296	289	291	295	297	300	302	306	304	297	292	279	269	266	280	296	315	320	323	318	314	314	298
Mean	332	327	324	323	323	315	309	316	307	309	315	314	309	300	293	286	290	307	325	345	353	359	355	344	320

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26. Agincourt. (D.) West. 7° + . . . ′ July, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	31.5	32.1	32.4	26.7	25.1	29.0	30.6	33.4	46.0	35.6	20.9	26.9	26.5	26.1	27.6	30.1	33.9	37.2	38.4	39.8	38.2	33.8	29.8	28.1	31.7
2	32.7	32.7	32.6	33.5	25.4	30.4	27.0	32.9	34.9	32.4	30.7	27.2	26.5	26.7	26.9	29.2	35.5	36.9	37.8	39.8	38.9	37.7	35.9	34.9	32.5
3 Q	34.6	34.4	35.0	35.0	33.1	34.1	35.9	34.0	34.6	32.7	31.9	28.9	26.5	26.3	27.5	29.5	30.7	34.2	37.0	38.3	39.8	37.9	36.1	35.5	33.5
4 D	34.9	33.8	31.4	29.1	29.5	28.5	31.2	28.0	28.0	29.4	18.2	20.5	22.7	33.9	30.8	32.6	35.3	39.2	43.8	40.6	33.6	36.5	36.0	37.0	31.9
5	36.7	36.0	35.0	26.7	25.5	30.3	35.1	35.0	34.5	33.9	31.7	29.7	28.0	30.3	38.7	34.7	36.0	37.6	38.8	40.4	38.0	37.3	36.6	35.7	34.3
6	36.0	35.3	34.9	34.0	22.5	36.2	32.0	31.5	35.1	38.4	30.7	26.5	27.6	29.4	30.1	32.1	37.0	40.9	45.6	44.3	41.3	39.9	37.0	34.5	34.7
7	33.6	34.7	34.8	34.9	35.0	32.0	32.5	34.9	34.3	32.8	29.8	26.7	23.3	21.9	25.8	30.4	36.0	38.1	39.2	41.4	38.8	36.5	34.4	32.8	33.1
8	33.6	33.0	32.8	31.1	32.7	33.7	32.8	34.5	34.3	35.6	35.2	30.7	29.3	26.7	28.5	32.4	36.8	40.6	41.9	40.6	38.8	35.8	34.0	33.4	34.1
9	32.7	33.4	34.1	34.9	34.4	32.0	34.2	34.7	33.6	31.7	29.4	26.6	25.1	27.3	31.9	34.7	38.8	41.1	42.2	41.7	41.3	41.2	37.5	33.8	34.5
10 D	32.1	28.6	26.7	32.7	27.6	26.6	33.1	30.0	31.1	27.9	24.5	25.9	24.0	25.0	31.1	33.9	36.4	33.6	42.0	43.9	41.2	38.3	35.9	30.8	31.8
11	25.9	27.5	28.6	31.7	34.1	32.9	35.2	36.2	36.7	35.0	30.9	27.5	25.3	26.1	30.0	34.1	38.6	40.2	40.4	40.4	38.6	36.0	34.7	33.6	33.3
12	33.3	33.4	33.7	34.2	34.6	34.8	34.4	34.1	33.5	32.7	31.0	28.0	26.0	26.8	27.8	31.5	35.6	38.7	40.9	42.2	41.8	39.5	37.2	35.8	34.2
13	35.0	35.0	35.2	34.8	34.5	33.8	32.9	32.5	31.6	29.9	28.4	27.1	26.3	28.0	31.0	37.8	40.7	41.6	43.4	42.2	40.9	40.2	36.8	36.1	34.8
14	36.6	27.0	19.9	27.3	21.9	31.0	32.8	34.2	33.7	31.9	28.1	24.2	24.9	26.8	25.6	28.4	35.8	41.7	45.9	44.8	42.1	40.6	38.2	35.0	32.4
15 D	34.5	31.6	32.4	28.2	32.0	32.1	32.2	31.9	35.0	40.0	46.0	33.4	26.0	32.8	31.1	37.6	35.2	35.8	22.0	09.1	25.9	27.5	25.9	30.3	31.2
16 D	29.5	22.9	36.8	35.8	30.7	37.9	37.3	37.8	44.2	45.1	43.0	32.1	31.0	25.7	26.1	27.9	34.3	35.2	39.3	39.0	40.9	38.1	35.2	34.9	35.0
17	35.9	33.8	31.0	32.7	32.9	33.2	32.1	36.0	35.8	35.7	33.9	30.3	28.8	27.8	28.2	31.5	36.4	39.5	39.2	41.0	39.9	38.3	37.1	35.7	34.4
18	35.1	35.9	35.3	35.6	35.9	35.8	36.1	35.9	34.7	34.2	31.4	27.4	27.0	26.9	26.7	31.2	36.4	39.6	41.2	40.6	39.6	38.1	34.5	33.1	34.5
19	31.2	33.2	34.7	35.9	35.3	34.7	34.2	37.2	35.0	32.9	32.0	28.1	26.1	25.8	23.1	28.1	35.1	38.4	40.9	42.4	41.9	38.6	36.5	35.2	34.0
20	33.5	33.4	33.4	31.3	32.2	30.7	33.7	34.1	35.4	33.2	29.3	27.2	24.9	24.2	26.2	32.3	38.1	39.8	41.8	42.2	41.8	38.7	35.3	33.2	33.6
21	32.9	30.9	31.3	33.2	33.3	33.0	34.3	34.8	34.4	33.0	31.7	29.8	24.8	23.0	23.3	28.2	33.0	37.9	39.5	41.9	40.8	38.3	36.3	32.8	33.1
22	31.9	32.3	32.9	32.5	33.3	34.4	36.1	38.0	35.4	33.6	31.1	29.4	26.8	25.4	24.8	28.0	32.4	37.2	41.3	39.6	37.8	36.2	34.0	33.3	33.2
23	32.2	31.8	32.9	32.2	33.2	31.4	34.5	35.6	36.1	33.0	32.1	28.0	26.1	26.3	29.8	32.2	37.7	41.8	43.0	42.8	41.0	37.7	36.0	34.8	34.3
24	33.9	35.1	34.4	35.0	35.3	34.8	34.3	33.7	33.1	31.1	30.0	28.0	27.9	28.8	30.7	34.8	39.6	42.4	42.3	43.5	40.2	37.3	34.0	31.9	34.7
25 Q	33.3	34.8	34.1	35.6	35.2	34.8	34.0	33.9	33.2	31.9	28.5	25.9	24.2	22.9	26.1	31.3	38.0	42.9	46.6	45.0	41.6	37.3	33.9	32.5	34.1
26 Q	34.0	34.7	35.2	35.0	34.8	34.6	34.6	34.2	34.0	32.6	28.0	25.8	25.3	26.8	33.4	39.5	43.4	46.1	46.4	43.2	40.2	36.7	34.2	32.8	35.2
27 Q	33.5	34.4	35.0	35.0	34.5	34.2	34.3	33.3	32.8	30.9	28.7	26.3	23.8	23.3	28.0	34.8	40.3	45.6	48.3	45.2	41.1	38.0	35.2	33.7	34.6
28 Q	33.7	34.2	34.9	34.8	34.2	34.2	33.4	32.8	31.8	30.9	29.0	26.9	25.0	24.0	29.2	35.7	43.8	47.2	48.6	48.0	43.8	38.3	35.3	34.0	35.2
29	33.9	34.8	34.8	34.7	34.4	33.8	32.9	31.8	29.8	31.2	28.8	26.8	24.8	28.5	29.8	32.4	39.4	44.9	46.1	44.9	42.7	37.5	33.3	33.5	34.4
30 D	32.6	32.3	21.0	26.7	24.0	30.6	61.2	50.2	28.5	50.0	23.7	35.3	15.8	14.5	23.6	29.2	37.3	40.6	42.1	38.0	36.3	36.5	35.6	35.2	33.4
31	34.3	35.0	36.5	36.2	35.9	36.0	35.4	34.9	34.8	34.2	31.9	29.0	27.3	27.1	29.4	33.3	37.3	39.3	40.3	41.9	42.0	40.5	37.9	35.3	35.2
Mean	33.4	32.8	32.7	32.8	31.7	33.0	34.5	34.6	34.4	34.0	30.4	28.0	25.7	26.3	28.5	32.2	36.9	39.9	41.5	40.9	39.7	37.6	35.2	33.8	33.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 27. Agincourt. (Z.) 56,000 γ + July, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	556	556	548	535	501	502	531	531	481	437	473	494	502	520	534	535	536	548	561	579	604	625	639	610	539
2	577	569	569	559	529	476	484	511	533	534	536	549	547	544	542	544	546	543	544	547	551	554	554	555	541
3 Q	552	549	546	546	547	524	526	539	542	548	547	548	549	545	544	535	531	540	542	543	546	546	550	549	543
4 D	550	551	550	547	536	526	511	510	510	508	504	511	504	503	498	518	532	544	547	585	647	728	627	580	547
5	570	566	560	549	512	541	552	552	558	558	558	558	551	554	517	517	527	531	531	535	543	550	552	556	545
6	554	551	551	551	532	540	525	520	526	521	533	537	529	522	528	536	536	547	556	561	564	567	563	561	542
7	559	555	554	554	552	541	539	548	554	554	559	555	552	547	544	546	546	547	554	564	568	575	575	573	555
8	561	557	554	554	550	550	542	530	539	550	544	543	539	539	543	552	550	552	560	559	556	562	567	560	550
9	556	553	551	550	549	543	535	542	545	549	549	549	549	549	554	546	542	542	549	562	572	575	586	603	554
10 D	627	602	563	566	540	514	485	509	530	545	562	563	556	548	556	558	559	560	565	578	592	593	577	574	559
11	587	580	562	557	560	553	558	559	559	564	567	563	558	560	560	561	558	555	555	558	555	558	559	560	561
12	559	557	557	557	557	557	554	553	555	558	559	560	560	560	552	546	534	531	529	530	534	534	534	540	549
13	513	514	515	515	515	516	514	516	515	514	515	514	513	505	506	504	498	497	503	508	512	521	534	556	514
14	590	594	574	557	543	537	553	552	549	550	553	548	543	540	540	539	542	546	542	547	568	572	572	569	555
15 D	562	558	557	542	545	534	519	519	423	385	378	445	503	490	493	523	545	655	840	883	847	784	633	647	575
16 D	649	594	591	578	571	546	562	562	512	462	472	527	537	543	551	551	554	557	568	588	592	590	592	579	559
17	561	563	560	554	548	538	512	545	553	558	558	562	562	557	554	556	554	555	555	558	564	563	559	556	554
18	555	555	555	554	554	554	552	549	552	554	555	555	553	549	539	540	537	538	533	537	541	548	553	555	549
19	557	557	556	551	549	549	544	539	538	530	529	536	539	542	543	541	539	538	539	547	550	554	554	552	545
20	553	553	553	553	552	542	531	524	520	538	545	546	545	548	550	553	546	540	544	553	560	566	571	573	548
21	567	563	558	557	555	547	540	545	544	550	552	549	546	544	541	544	544	546	547	549	552	557	563	562	551
22	558	551	551	546	540	546	541	533	543	546	547	546	546	540	533	543	541	541	538	533	543	551	552	552	544
23	553	552	550	545	537	535	539	538	542	548	551	550	550	548	543	539	539	543	547	557	565	575	575	570	550
24	564	560	556	552	549	545	547	549	549	549	549	549	547	541	531	528	521	528	538	544	557	557	551	548	546
25 Q	543	543	543	543	543	543	543	544	546	549	550	547	542	542	543	537	539	540	543	547	555	553	552	550	545
26 Q	547	550	548	549	550	550	549	548	548	548	551	555	551	552	546	548	552	554	558	561	569	566	562	561	553
27 Q	557	555	553	552	549	547	547	546	547	547	547	547	547	547	545	539	538	545	539	543	551	558	560	557	548
28 Q	551	550	551	550	548	548	546	546	546	550	551	551	550	546	540	543	545	543	543	550	552	553	553	547	548
29	545	545	545	545	544	544	545	545	545	545	545	550	551	551	545	541	536	538	543	542	543	550	563	563	546
30 D	562	559	544	544	534	378	347	239	217	328	398	446	500	520	530	543	555	551	557	577	598	619	635	627	596
31	605	579	568	565	563	562	561	558	558	560	560	557	556	554	556	551	548	543	553	557	555	557	563	565	561
Mean	565	560	555	552	544	534	531	529	526	528	533	539	542	540	539	541	542	547	556	564	572	577	571	568	548

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28. Agincourt. July, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	05	427	09	27	260	167	08	23	50.6	23	02	13.9	36.7	22	58	668	09	29	429	239
2	05	11	352	06	13	272	80	19	24	40.3	05	04	18.2	22.1	00	01	586	05	34	463	123
3 Q	05	22	357	15	17	308	49	20	06	40.3	12	48	25.6	14.7	00	01	552	05	40	517	35
4 D	21	27	532	21	57	226	306	19	10	48.0	10	53	15.7	32.3	20	39	691	06	57	493	198
5	01	04	385	13	43	255	130	14	32	42.6	04	07	14.6	28.0	01	00	582	04	17	497	85
6	02	59	363	16	18	265	98	18	39	46.0	04	26	15.3	30.7	21	28	568	09	24	514	54
7	21	25	383	16	08	270	113	19	32	42.5	13	24	20.5	22.0	22	27	578	06	10	534	44
8	21	08	348	16	34	283	65	17	55	42.7	13	23	25.6	17.1	22	27	570	07	47	525	45
9	22	56	445	16	09	277	168	18	41	42.7	12	17	23.7	19.0	23	59	618	06	22	534	84
10 D	20	21	377	06	37	251	126	18	54	48.3	04	55	05.8	42.5	00	38	638	06	29	462	176
11	20	35	375	15	33	316	59	19	03	41.0	00	57	21.6	19.4	00	51	597	02	53	544	53
12	18	37	353	15	29	300	53	19	57	43.1	12	32	23.3	19.8	12	58	561	19	00	524	37
13	22	38	446	14	34	274	172	18	32	44.0	11	54	24.0	20.0	23	51	568	17	26	493	75
14	20	11	382	15	57	271	111	19	03	46.8	02	18	04.0	42.8	01	47	602	05	23	520	82
15 D	21	45	723	15	37	149	574	10	27	59.1	19	03	04.2	54.9	19	00	934	10	18	343	591
16 D	00	08	363	10	03	124	239	09	58	55.2	01	23	14.3	40.9	01	06	666	09	57	414	252
17	20	51	339	06	32	285	54	19	43	41.3	02	35	24.2	17.1	20	16	564	06	22	488	76
18	22	05	349	16	08	274	75	18	16	41.8	12	06	25.6	16.2	23	44	560	18	47	533	27
19	00	17	340	16	14	271	69	19	47	43.4	14	43	21.9	21.5	00	50	560	09	23	525	35
20	21	56	353	15	18	260	93	20	29	42.4	12	53	22.6	19.8	23	41	577	08	03	511	66
21	22	23	348	15	32	282	66	19	43	42.9	14	05	22.1	20.8	00	01	572	14	32	538	34
22	12	53	345	15	58	297	48	07	00	44.0	14	23	23.9	20.1	00	01	562	07	09	527	35
23	22	33	384	16	16	280	104	18	33	43.9	13	09	24.4	19.5	22	34	579	05	07	532	47
24	21	04	363	15	47	277	86	19	18	43.9	12	04	24.7	19.2	00	01	567	16	28	520	47
25 Q	21	22	344	15	41	267	77	18	43	46.9	13	44	22.3	24.6	20	49	562	15	36	537	25
26 Q	19	18	356	14	47	271	85	18	08	47.3	12	46	24.0	23.3	20	29	569	14	24	546	23
27 Q	21	05	368	14	23	297	71	18	13	49.5	12	46	22.2	27.3	22	03	560	18	34	539	21
28 Q	21	56	355	16	04	267	88	19	08	48.9	13	17	23.0	25.9	21	57	559	14	30	538	21
29	22	44	390	16	47	276	114	18	37	47.3	12	52	23.3	24.0	22	42	569	16	14	537	32
30 D	21	47	406	08	40	-018	424	06	50	122.5	08	14	-00.7	123.2	22	31	640	07	40	173	467
31	20	18	320	15	30	262	58	19	36	42.6	12	54	26.2	16.4	00	08	613	16	51	543	70
Mean			386			256	130			47.8			19.4	28.4			600			497	103
No. days			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, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	·9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	315	318	316	311	320	320	326	339	331	322	325	316	295	256	268	272	305	317	331	392	393	369	380	323
2	337	297	283	178	302	317	302	307	305	307	308	301	285	266	252	270	272	281	312	339	354	377	359	342	302
3 D	320	310	312	317	321	316	311	305	307	309	306	305	305	296	276	267	263	301	317	333	351	408	549	512	330
4 D	461	311	295	291	288	292	271	-093	-093	127	247	238	237	221	242	246	258	283	296	319	351	359	366	377	258
5	340	306	300	276	295	272	291	273	299	297	292	287	262	238	220	239	251	267	322	329	324	321	317	321	289
6	335	319	307	316	310	306	305	302	291	289	285	297	298	292	269	261	273	303	324	322	333	332	329	319	305
7	320	315	315	310	310	309	317	312	306	311	306	302	296	281	249	241	273	291	311	334	335	330	334	325	306
8	320	319	320	320	324	321	324	322	319	324	321	314	302	293	287	283	292	298	315	329	340	342	339	322	316
9	326	327	330	329	328	326	325	324	321	324	324	319	306	287	261	258	276	303	321	340	341	340	324	320	316
10	321	329	324	343	335	329	331	321	311	316	327	325	314	296	276	278	297	313	345	358	352	341	333	323	323
11 D	319	311	308	338	338	334	337	334	338	307	187	124	109	199	203	203	253	294	368	362	349	334	312	288	285
12	298	305	297	302	315	311	306	302	305	301	298	295	289	287	286	287	298	325	341	339	340	336	320	306	308
13	302	306	312	316	329	315	315	319	320	316	316	315	307	292	271	264	286	304	321	330	334	331	329	324	311
14	321	320	320	321	324	325	324	324	322	326	326	325	317	302	280	268	277	295	309	322	325	335	331	326	315
15 Q	321	321	320	321	320	320	320	317	315	309	311	310	302	287	276	272	276	297	317	330	337	340	327	325	312
16 Q	321	321	324	324	321	319	323	324	322	321	319	315	309	296	283	286	296	315	335	348	349	339	329	324	319
17	325	327	326	326	329	330	332	334	334	331	329	326	315	288	276	286	298	305	312	324	329	332	324	329	320
18 Q	317	305	316	316	319	324	325	326	325	323	321	321	319	309	300	302	309	319	329	335	335	338	340	337	321
19	336	335	331	326	319	321	325	327	326	324	327	325	305	291	283	287	291	303	319	335	337	328	327	324	319
20 Q	319	323	327	327	326	321	319	326	327	327	324	321	310	299	288	286	294	308	318	325	329	329	329	334	318
21	332	335	335	337	333	333	333	327	325	327	329	324	304	304	307	302	297	300	311	315	315	332	327	320	321
22 D	320	322	329	321	320	320	318	316	317	316	317	316	303	278	261	264	280	319	346	365	307	344	338	336	316
23 D	337	322	324	304	306	317	322	324	327	214	303	329	318	307	293	276	277	287	294	302	313	311	322	317	306
24	316	316	317	314	312	312	315	316	319	315	317	313	302	287	277	272	272	290	305	325	342	341	356	355	313
25	326	319	312	310	312	310	312	311	312	311	311	307	297	276	268	272	277	292	321	334	339	339	331	325	309
26	322	321	324	325	324	326	322	317	317	317	316	314	307	295	281	275	270	282	296	317	321	334	330	326	312
27 Q	324	327	329	330	330	329	329	326	325	320	322	321	310	298	277	272	288	316	330	343	343	341	340	336	321
28	335	334	334	336	334	334	332	332	332	331	330	328	317	300	282	282	295	336	360	364	373	345	332	340	330
29	339	329	324	333	342	337	336	341	344	336	339	334	320	303	281	267	272	287	307	325	334	317	326	332	321
30	325	312	321	312	307	325	330	326	326	327	325	321	312	295	290	280	280	295	317	338	329	330	326	326	316
31	330	324	316	315	312	310	313	319	310	312	310	317	318	313	288	276	276	281	301	312	322	329	329	330	311
Mean	328	319	318	315	319	319	319	306	306	308	310	307	297	286	272	271	280	300	321	333	338	340	340	336	312

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30. Agincourt. (D.) West. 7° + . . . ′ August, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	33.4	31.7	33.2	32.3	30.9	31.6	31.9	34.1	32.6	33.9	33.3	26.3	23.0	21.9	26.3	34.3	38.2	41.6	39.9	36.9	34.5	33.2	32.4	28.7	32.3
2	24.9	27.1	27.9	38.3	17.9	29.9	36.8	36.3	37.9	34.6	32.3	30.4	29.9	29.6	32.2	36.1	37.7	40.6	38.6	40.3	37.9	34.2	35.8	36.2	33.5
3 D	30.4	28.7	36.3	33.8	36.5	35.1	34.2	34.3	33.6	32.5	29.8	27.2	25.9	26.1	30.3	35.5	38.5	40.3	45.8	45.4	42.6	37.0	20.5	31.9	33.8
4 D	22.3	34.3	33.1	35.4	35.3	35.5	31.6	88.6	44.9	32.4	19.8	19.3	21.7	23.3	25.9	30.5	34.6	39.5	43.1	43.0	38.5	37.4	37.2	27.7	34.8
5	24.6	34.2	27.4	21.1	13.6	37.1	29.8	36.6	31.2	31.1	28.1	23.6	22.9	23.0	27.8	36.0	39.9	39.3	36.3	38.1	36.4	36.1	36.8	36.4	31.1
6	27.3	35.4	32.8	31.3	30.0	33.1	33.6	34.7	36.3	37.7	35.0	28.3	24.4	23.1	26.8	35.4	41.3	39.8	37.8	37.6	35.7	35.5	33.8	31.9	33.3
7	32.3	34.3	34.9	33.9	37.5	33.0	34.6	39.9	38.4	32.6	29.6	27.3	25.7	28.0	30.8	37.4	45.0	45.3	43.6	41.3	38.6	36.4	34.9	34.1	35.4
8	34.3	34.8	34.6	34.3	31.7	33.7	34.5	33.8	33.4	32.6	29.7	27.8	27.6	28.9	31.2	36.4	41.3	43.5	45.8	45.0	40.4	36.8	34.4	33.6	35.0
9	33.9	35.0	33.5	34.7	35.5	34.6	34.5	33.9	34.4	32.2	29.1	25.9	23.8	24.6	28.9	37.0	43.7	46.8	47.9	45.6	41.5	38.4	36.3	34.5	35.3
10	35.5	35.3	36.1	35.3	34.9	31.5	31.8	30.6	28.8	25.5	23.0	22.7	21.4	23.3	28.8	37.6	42.8	48.9	48.6	44.2	38.9	36.0	34.5	34.0	33.8
11 D	31.9	31.3	32.7	33.2	30.5	28.9	25.3	26.7	29.6	26.0	29.6	35.9	26.4	20.4	27.4	44.2	46.3	43.0	37.6	41.5	41.8	40.0	38.7	36.7	33.6
12	38.0	38.4	37.6	36.4	35.6	34.7	33.9	33.4	32.4	31.0	29.4	26.1	26.4	26.7	30.5	37.9	43.4	45.7	44.4	43.6	38.8	35.7	34.5	33.9	35.3
13	34.8	34.5	34.5	33.2	33.0	33.5	33.7	33.5	32.1	31.3	29.6	26.6	25.5	27.0	31.7	36.9	42.0	44.4	44.7	42.9	38.9	36.7	35.5	35.0	34.7
14	36.0	36.5	35.5	35.5	34.7	34.5	33.8	33.4	32.9	31.9	29.7	26.6	24.8	27.5	30.1	35.6	41.4	45.4	45.7	43.5	40.5	37.0	34.4	32.0	34.9
15 Q	33.7	34.7	35.5	35.3	35.0	34.9	34.9	34.7	33.9	31.8	30.2	26.3	23.5	24.5	30.9	37.0	43.2	46.0	45.9	43.8	40.5	37.5	35.4	33.8	35.1
16 Q	34.4	35.0	34.8	34.7	34.4	34.4	34.0	33.7	33.4	32.8	30.7	28.7	27.0	27.3	31.1	36.1	40.9	42.9	43.5	40.4	37.5	35.6	34.5	34.6	34.7
17	35.6	35.4	34.8	34.5	34.4	33.7	33.7	34.4	33.0	32.5	31.0	26.5	24.0	25.1	30.9	36.4	38.7	40.5	41.6	41.3	38.9	36.4	33.6	31.6	34.1
18 Q	34.7	33.4	32.6	32.5	32.3	32.8	33.9	33.7	33.6	31.9	29.8	27.7	24.6	27.7	30.8	33.9	38.7	41.3	42.3	40.7	39.0	37.4	34.7	34.0	33.9
19	34.5	34.1	34.5	33.6	31.4	31.9	30.4	31.8	32.7	33.5	31.9	28.7	26.3	25.9	28.8	35.4	41.4	45.4	46.3	44.0	40.8	37.8	35.4	34.4	34.6
20 Q	34.6	34.7	35.1	34.7	34.2	32.4	31.4	32.4	32.4	32.9	31.4	28.4	26.5	26.4	31.3	37.3	42.4	44.5	45.3	43.2	39.5	36.6	34.9	34.3	34.9
21	35.2	35.5	35.3	35.1	34.8	34.1	32.1	30.8	30.6	29.9	28.2	25.9	22.4	26.4	28.4	34.3	38.5	42.8	45.0	45.6	42.8	38.8	36.2	35.3	34.3
22 D	35.9	35.6	34.9	28.1	30.5	34.5	34.9	34.2	33.2	32.4	30.8	28.0	27.3	30.2	34.9	45.1	48.7	50.7	45.4	42.4	43.8	41.9	40.6	37.9	36.7
23 D	37.4	31.0	33.3	28.7	27.5	31.4	33.5	30.9	29.6	44.5	21.5	21.6	21.3	24.4	32.2	36.4	40.9	40.6	38.9	37.8	37.0	35.5	33.8	33.6	32.6
24	35.1	35.5	36.2	36.1	35.9	35.3	34.5	33.7	33.5	32.8	31.5	29.8	28.2	30.0	31.8	37.7	42.8	44.5	43.7	42.4	40.8	38.8	36.4	37.6	36.0
25	38.7	38.4	33.8	33.5	33.6	35.8	33.9	33.0	33.4	31.7	30.5	26.9	25.4	26.7	31.7	38.7	44.5	47.7	46.5	42.7	39.6	37.6	36.0	34.4	35.6
26	35.7	35.9	35.5	35.0	35.7	34.9	34.4	33.1	31.8	30.7	28.5	25.7	24.5	25.7	30.8	37.0	41.5	45.5	45.8	42.5	40.7	37.9	36.0	35.4	35.0
27 Q	35.9	35.7	35.7	35.4	35.1	34.7	33.9	33.0	33.1	33.9	29.7	25.7	24.0	25.4	30.4	36.4	42.3	45.4	45.9	44.4	41.9	39.0	36.3	34.8	35.4
28	35.5	35.7	35.2	34.8	34.6	33.9	34.0	33.1	32.0	30.6	29.0	25.2	23.2	23.6	26.2	32.9	39.0	42.5	44.7	45.1	44.0	39.1	36.1	34.2	34.3
29	33.9	34.2	34.7	34.6	33.7	32.5	32.7	35.5	31.7	31.6	30.0	26.6	25.8	26.1	29.5	35.0	40.3	42.8	45.9	45.5	42.2	40.8	37.6	34.0	34.9
30	32.9	30.6	32.1	31.0	30.6	31.4	33.6	33.6	33.8	35.7	36.4	31.0	27.6	26.1	30.6	35.0	38.1	40.9	42.8	41.8	41.7	38.8	37.5	36.0	34.6
31	35.7	34.3	31.5	32.5	34.6	33.7	32.9	31.4	32.2	32.9	30.7	27.6	26.8	27.5	29.0	33.5	36.8	50.6	41.0	39.2	37.1	34.2	33.3	32.8	33.4
Mean	33.5	34.3	34.1	33.5	32.5	33.5	33.2	35.3	33.3	32.5	29.7	26.9	25.1	25.9	29.9	36.4	41.1	43.6	43.6	42.3	39.8	37.3	35.1	34.1	34.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 31. Agincourt. (Z.) 56,000 γ + August, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	551	555	555	551	549	544	543	538	532	530	530	525	528	528	530	532	528	536	549	551	584	614	617	639	551
2	600	597	571	485	433	496	532	538	535	542	548	547	546	550	560	561	565	568	587	601	607	611	594	591	554
3 D	590	577	569	557	556	553	550	551	551	551	550	550	551	554	562	554	543	544	548	555	574	622	708	734	573
4 D	690	646	612	579	568	551	474	362	218	331	467	522	551	535	538	539	551	573	585	535	636	627	619	671	541
5	587	588	576	522	474	437	517	500	535	560	554	548	542	534	535	540	536	543	562	573	594	594	550	575	545
6	563	534	547	513	526	538	539	533	533	531	521	527	528	533	541	544	539	536	538	541	552	559	563	563	539
7	556	550	549	541	508	510	524	514	503	521	528	535	537	537	524	530	534	529	537	544	548	550	549	542	533
8	539	540	539	537	531	529	533	533	533	533	533	531	531	531	537	537	538	544	546	545	547	552	552	551	538
9	547	543	541	537	537	536	537	537	537	537	540	541	540	536	540	539	541	542	547	549	548	550	549	547	541
10	540	543	543	540	526	536	523	526	536	533	539	537	531	526	526	524	520	520	524	527	535	537	537	535	532
11 D	538	538	539	521	527	523	515	517	505	445	358	358	384	422	502	489	534	586	599	576	563	569	586	580	511
12	562	562	559	553	555	552	554	552	553	552	550	542	543	543	547	546	541	542	539	542	536	537	539	539	547
13	540	544	545	539	524	537	539	540	539	539	543	541	536	537	540	546	545	541	540	541	544	544	545	545	541
14	544	546	545	544	544	544	544	543	544	543	544	544	540	538	535	538	538	539	542	549	549	552	553	555	544
15 Q	547	547	544	544	544	544	543	543	542	542	544	540	534	533	540	544	546	550	553	554	560	560	557	555	546
16 Q	554	554	554	554	553	553	552	550	550	550	552	550	548	543	541	537	527	528	533	540	541	546	546	550	546
17	549	551	551	551	549	549	549	548	546	548	549	548	549	548	542	547	547	552	554	560	564	564	568	568	552
18 Q	564	564	559	553	553	551	549	549	547	545	545	545	545	540	535	536	532	532	533	538	539	544	547	549	545
19	549	550	550	551	550	550	549	549	550	549	546	545	545	544	542	536	544	544	546	548	552	555	556	554	548
20 Q	548	546	546	545	544	543	541	540	542	544	543	538	538	538	535	535	534	540	541	542	543	546	546	546	542
21	544	543	543	543	543	543	542	541	541	541	542	543	543	541	536	530	530	535	546	556	558	556	552	539	543
22 D	540	539	539	534	530	535	539	539	539	539	540	539	539	539	522	523	524	532	528	536	536	556	555	551	538
23 D	552	557	556	544	531	511	525	546	529	352	335	512	537	539	549	548	549	552	558	556	552	551	546	546	531
24	552	552	552	552	552	554	552	551	551	551	550	546	545	542	537	538	539	541	546	546	551	551	560	573	550
25	587	581	579	563	567	569	569	567	566	561	560	560	556	556	552	554	554	556	559	563	561	560	559	556	563
26	570	568	568	567	566	564	562	562	563	563	566	563	561	561	549	554	555	558	561	564	562	561	561	561	562
27 Q	560	559	557	557	556	555	553	552	552	551	553	556	552	552	549	544	539	539	544	550	553	555	555	555	552
28	554	555	554	554	554	554	554	554	553	551	551	551	548	546	542	539	540	541	547	549	552	551	555	559	550
29	565	568	572	560	553	556	555	549	543	550	555	555	555	555	550	553	550	554	560	563	567	566	563	563	557
30	568	573	571	538	495	544	554	554	554	551	549	550	553	554	558	557	551	548	556	562	564	570	562	561	554
31	562	562	565	566	562	552	537	542	545	546	553	560	561	562	566	563	556	556	559	559	562	563	563	563	558
Mean	561	559	557	543	538	539	540	536	531	529	533	537	538	538	541	540	541	543	550	552	559	564	565	569	546

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32. Agincourt. August, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	37	432	14	50	247	185	17	17	44.2	12	56	19.3	24.9	23	24	677	09	56	522	155
2	21	33	404	03	42	048	356	03	39	62.9	04	11	-06.7	69.6	21	22	623	03	35	330	293
3 D	22	47	806	16	41	257	549	18	50	47.0	18	16	12.7	34.3	23	47	831	16	36	537	294
4 D	23	51	428	08	20	-117	545	08	00	130.6	00	12	12.9	117.7	00	01	802	08	25	125	677
5	20	33	356	14	38	210	146	05	32	46.6	04	25	00.5	46.1	00	01	660	04	41	405	255
6	00	46	369	15	57	254	115	01	04	45.4	00	40	08.3	37.1	00	39	584	03	36	493	91
7	20	01	346	15	48	224	122	04	44	49.9	12	30	24.9	25.0	00	00	562	04	48	481	81
8	21	54	351	15	08	278	73	18	50	46.8	12	16	26.5	20.3	20	14	560	05	16	525	35
9	19	32	345	14	40	253	92	18	23	48.3	12	45	22.9	25.4	21	55	554	03	23	535	19
10	20	42	367	15	27	271	96	18	00	57.4	12	17	19.8	37.6	03	27	551	06	32	512	39
11 D	19	00	385	12	12	044	341	11	05	66.1	09	54	14.6	51.5	17	50	607	11	00	345	262
12	18	05	349	14	13	281	68	17	30	46.6	11	51	24.0	22.6	01	10	567	23	47	535	32
13	03	56	351	15	20	261	90	18	13	45.5	12	32	24.5	21.0	16	00	547	04	08	511	36
14	21	53	339	15	18	267	72	17	48	47.9	12	19	23.9	24.0	23	08	559	14	10	532	27
15 Q	21	32	343	15	34	268	75	18	23	46.4	12	40	22.2	24.2	20	42	562	13	30	534	28
16 Q	20	14	348	14	38	278	70	18	00	43.9	13	03	26.8	17.1	02	05	554	16	43	527	27
17	21	04	338	14	50	269	69	18	54	42.4	13	01	23.2	19.2	22	31	574	14	45	542	32
18 Q	22	17	343	15	00	292	51	18	18	43.3	13	00	23.9	19.4	01	09	566	17	06	532	34
19	20	10	345	15	04	277	68	18	20	46.9	13	11	24.8	22.1	21	44	559	15	00	539	20
20 Q	23	01	337	15	40	284	53	19	14	45.7	11	45	35.4	20.3	20	45	548	16	10	524	24
21	03	17	338	13	03	291	47	19	13	46.7	12	27	20.8	25.9	19	33	562	16	01	528	34
22 D	19	48	402	14	46	228	174	16	57	52.9	03	30	24.4	28.5	21	43	568	14	40	508	60
23 D	00	17	384	10	57	122	262	10	40	44.5	11	17	13.0	31.5	01	38	569	09	33	249	320
24	23	08	393	15	12	268	125	17	03	45.4	12	30	28.2	17.2	23	59	577	15	42	535	42
25	19	50	345	14	21	266	79	17	35	48.7	13	00	24.5	24.2	00	29	598	14	38	552	46
26	21	53	336	16	19	267	69	18	03	46.6	12	40	23.7	22.9	00	01	573	14	30	550	23
27 Q	19	42	350	15	03	267	83	17	29	46.4	12	20	22.7	23.7	00	01	563	17	03	538	25
28	20	27	397	15	24	273	124	18	44	45.3	12	38	21.5	23.8	22	21	559	14	08	538	21
29	20	17	339	15	23	263	76	18	44	48.1	12	13	25.5	22.6	20	55	569	08	08	543	26
30	19	47	349	15	49	273	76	18	35	43.8	13	24	24.2	19.6	02	01	576	04	26	466	110
31	23	06	332	15	31	267	65	17	37	41.8	11	27	25.8	16.0	02	08	567	06	12	533	34
Mean			376			233	143			50.5			20.3	30.2			591			488	103
No. days			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, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	326	327	330	332	334	325	325	329	328	335	334	330	321	306	291	283	288	294	306	329	324	332	340	336	321
2	331	331	331	331	330	329	332	332	332	332	333	333	326	311	307	299	299	307	316	325	323	327	340	337	325
3	340	331	335	336	337	325	322	322	321	327	322	326	327	318	306	293	288	306	318	335	342	350	347	331	325
4	333	335	335	333	336	340	341	340	341	345	347	347	337	313	294	273	288	299	308	317	332	332	340	332	326
5	322	325	322	318	325	329	330	331	332	340	343	336	332	316	288	245	259	278	274	282	293	303	306	301	309
6 Q	304	306	308	308	308	308	308	310	308	308	310	309	301	286	270	289	297	310	319	326	332	330	337	338	309
7	336	341	345	340	340	321	313	316	321	324	327	323	311	292	288	284	279	300	322	323	328	321	327	333	319
8	336	324	318	323	329	327	325	330	323	323	325	323	315	297	281	272	277	299	323	322	337	338	336	332	318
9	334	337	337	338	335	336	335	337	341	341	339	327	320	308	292	288	296	308	318	325	341	332	332	326	326
10	325	323	321	326	325	325	327	324	318	317	325	321	307	299	284	265	268	283	303	321	326	335	329	330	314
11	331	327	327	328	326	331	331	332	333	332	336	323	311	301	286	277	274	284	296	307	323	333	323	323	317
12	322	322	316	323	330	327	333	330	328	327	328	323	316	306	286	277	281	294	306	311	325	332	332	318	316
13	322	323	322	328	337	316	324	322	332	326	330	333	321	301	282	273	273	292	322	351	340	369	374	321	322
14 D	322	323	318	291	288	291	297	302	307	311	311	312	298	282	267	250	204	236	301	341	349	428	424	336	308
15 D	311	274	166	132	046	065	029	080	-082	101	143	038	014	070	213	182	215	267	297	301	299	323	317	308	171
16	308	322	307	300	306	301	298	302	303	301	302	298	294	278	269	269	269	278	289	297	288	303	312	304	296
17	303	296	298	306	288	306	302	300	302	310	310	302	289	272	255	250	259	276	293	310	317	309	311	311	295
18	312	316	308	306	306	311	313	316	316	316	313	311	298	285	281	271	272	283	293	303	308	313	316	317	304
19 Q	317	316	317	317	315	319	318	317	320	317	317	313	310	298	286	292	301	313	316	330	321	318	320	320	314
20	323	323	323	323	327	326	326	330	332	334	332	327	316	303	293	288	284	288	297	311	320	320	322	325	316
21	325	326	330	326	325	327	327	327	325	331	328	322	307	289	289	289	296	306	325	340	336	338	323	302	319
22	313	323	327	322	340	330	336	323	319	323	327	313	299	284	269	265	277	296	308	322	326	323	320	325	313
23	327	332	323	320	330	331	323	323	321	320	321	320	312	302	291	282	279	283	301	314	318	328	322	325	314
24 Q	325	327	327	324	323	323	323	324	323	323	323	321	312	301	291	279	279	291	311	330	335	327	323	323	316
25 Q	325	325	325	325	326	327	327	329	330	330	330	330	320	306	284	269	262	277	296	306	327	339	327	326	315
26 D	336	327	326	322	320	316	321	312	243	281	272	238	358	248	267	233	217	232	255	274	296	304	320	310	285
27 D	302	297	296	289	290	292	297	282	276	287	301	297	290	271	257	251	252	260	273	293	312	320	357	322	290
28 D	380	323	204	254	209	219	241	256	264	279	289	283	277	252	250	244	252	256	258	273	283	286	289	292	267
29	293	293	297	302	302	291	230	301	297	295	266	277	290	274	274	254	253	262	264	276	301	306	308	308	284
30	307	311	310	310	309	303	301	308	313	313	318	317	304	305	255	282	271	277	306	292	369	328	308	339	307
31																									
Mean	323	320	311	311	308	308	305	309	302	312	313	306	298	286	278	269	270	285	300	313	323	328	329	322	306

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34. Agincourt. (D.) West. 7° + . . . ′ September, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	32.8	33.9	34.6	34.3	31.4	33.9	32.2	34.2	38.0	35.0	30.5	27.7	26.2	25.5	31.2	35.9	38.6	40.0	42.0	40.4	39.1	38.1	35.2	33.6	34.4
2	33.8	34.5	34.2	34.0	33.5	32.8	34.2	31.9	31.5	31.5	31.1	29.2	29.2	28.5	30.1	31.7	35.8	39.0	40.8	41.5	40.0	38.5	37.1	35.2	34.2
3	33.8	35.0	34.6	34.5	32.3	27.8	26.5	25.6	29.0	29.8	29.8	27.9	31.5	31.5	31.1	35.5	38.0	39.6	43.3	41.5	38.5	35.6	34.2	33.8	33.4
4	34.6	34.5	34.3	34.6	34.2	34.6	33.6	33.5	33.1	32.6	28.5	27.1	27.7	29.0	30.1	34.0	40.4	39.2	40.6	39.6	37.6	36.5	35.6	35.2	34.2
5	31.8	35.6	32.5	30.8	30.9	32.1	31.0	31.5	32.5	33.5	29.2	24.0	23.2	24.0	30.6	39.6	45.0	43.1	41.4	38.8	36.9	35.4	34.7	34.8	33.4
6 Q	35.1	35.6	35.6	35.7	35.4	35.3	34.5	33.7	33.6	32.4	31.1	28.6	26.7	28.1	33.0	39.5	43.6	45.1	44.6	40.7	37.8	36.6	36.1	36.5	35.6
7	36.3	35.9	35.1	35.5	35.1	34.0	29.0	28.0	27.9	28.7	28.1	27.3	25.0	26.6	33.5	37.1	41.8	49.0	45.5	41.0	37.6	36.5	35.5	35.5	34.4
8	35.9	34.5	34.6	35.2	35.5	34.2	32.9	32.5	30.1	31.1	31.5	28.4	26.3	28.2	32.5	37.6	42.9	45.8	43.6	40.2	36.6	34.2	33.6	34.6	34.7
9	35.6	34.8	35.2	34.6	34.6	34.1	33.8	33.3	32.8	31.2	29.1	28.5	26.5	28.1	31.2	36.1	41.1	41.7	42.1	39.8	38.1	36.9	35.4	35.0	34.6
10	34.1	33.5	34.1	35.1	35.8	35.9	32.2	31.7	33.8	31.2	27.5	27.7	28.5	28.8	31.1	36.1	40.0	43.6	42.8	41.6	39.8	36.9	34.6	35.5	34.7
11	35.0	34.6	30.6	27.5	33.7	34.1	33.8	33.0	32.2	32.1	31.5	30.0	35.1	33.5	34.0	37.1	40.1	42.9	44.0	44.5	41.3	38.1	35.2	34.8	35.4
12	34.5	33.8	28.9	30.8	34.8	35.1	38.6	32.5	32.1	31.2	29.6	28.1	26.6	27.3	30.1	35.4	39.7	42.2	42.5	41.8	40.6	37.8	34.6	32.0	34.2
13	32.0	33.6	34.0	28.5	33.3	31.0	31.8	32.2	34.0	30.1	28.5	26.7	25.5	25.1	29.1	34.2	39.5	43.2	43.2	41.6	43.6	43.0	45.2	41.1	34.6
14 D	35.5	37.0	35.4	33.2	33.1	36.2	38.4	35.4	33.0	36.2	37.1	34.6	37.1	33.1	37.5	38.3	46.0	45.1	39.4	37.5	40.6	41.3	38.2	34.1	37.2
15 D	24.5	29.6	27.6	42.2	31.5	14.3	18.8	33.1	48.3	43.5	70.3	74.4	63.6	47.5	44.9	47.0	54.0	47.0	43.9	44.6	39.0	35.7	36.3	29.5	41.3
16	29.0	24.8	26.5	30.5	29.3	33.0	34.6	33.1	33.5	32.9	32.5	30.6	29.5	28.6	32.0	36.1	36.7	39.3	40.2	42.9	43.5	40.5	37.3	32.7	33.7
17	36.0	36.3	34.1	26.4	38.3	34.1	33.0	33.6	35.1	34.2	32.9	30.3	28.4	29.5	33.6	36.8	40.5	43.1	43.5	41.2	39.6	37.9	37.5	37.3	35.6
18	36.9	36.5	34.0	33.0	34.6	34.9	35.5	35.6	33.6	33.4	32.7	31.2	30.5	31.2	34.2	34.7	38.5	41.3	40.6	39.0	37.9	37.5	36.7	36.5	35.4
19 Q	36.5	36.1	35.7	35.4	35.1	34.2	33.8	32.9	32.5	33.1	32.9	31.2	29.7	29.6	32.2	34.6	37.9	40.8	43.6	42.6	40.7	37.8	36.8	36.5	35.5
20	34.6	36.1	35.1	33.3	34.9	34.5	34.1	33.0	35.7	32.6	31.7	29.4	28.2	28.2	29.9	33.5	37.2	41.5	44.1	40.5	39.1	36.3	35.5	36.1	34.3
21	36.3	35.8	35.5	35.4	35.0	34.3	33.2	32.9	32.1	32.2	30.8	30.5	28.3	28.9	33.5	34.8	38.5	43.3	42.3	40.1	38.8	38.5	40.5	39.6	35.5
22	36.6	36.0	35.4	34.6	33.7	36.2	33.5	33.1	33.3	25.5	24.1	26.6	25.7	27.2	30.7	34.0	39.7	41.7	42.6	39.7	37.8	35.9	36.0	36.6	33.6
23	36.0	36.0	36.5	36.1	35.6	34.6	29.9	29.6	30.0	31.0	29.6	29.0	26.6	26.9	31.0	34.7	38.5	41.9	43.0	41.4	38.8	37.0	36.6	36.5	34.4
24 Q	36.1	35.6	36.0	35.4	35.4	35.0	34.6	33.9	33.5	32.8	31.6	29.0	26.6	26.0	26.7	31.6	37.8	41.1	43.2	42.7	40.6	38.6	37.1	36.6	34.9
25 Q	36.5	35.7	35.6	35.6	35.0	34.5	34.2	33.6	33.1	32.2	31.8	29.5	26.8	25.5	26.6	30.1	37.1	41.7	43.9	44.8	42.6	39.5	37.6	36.6	35.4
26 D	35.8	36.6	31.5	34.1	34.0	33.5	32.6	36.5	48.8	23.0	37.1	43.4	34.0	41.7	45.7	39.9	43.6	47.6	45.8	43.8	39.6	36.4	37.1	29.0	38.0
27 D	34.8	33.6	34.0	31.6	33.1	35.9	35.7	36.2	35.5	37.8	36.1	30.0	26.6	29.2	31.3	36.9	39.8	40.6	42.8	43.0	39.6	37.8	18.8	33.6	34.8
28 D	39.1	35.8	39.5	31.5	32.5	33.1	34.5	34.2	38.3	36.7	34.5	33.6	31.5	29.6	31.6	31.7	33.8	40.6	40.8	40.0	38.8	38.5	36.9	36.4	35.6
29	36.2	34.6	36.4	36.5	36.0	29.1	36.7	28.8	33.0	35.6	40.8	39.3	36.0	33.7	31.9	35.7	37.6	40.0	40.8	40.4	38.6	36.5	35.8	36.1	36.1
30	36.8	36.6	36.7	36.1	36.5	36.6	34.8	34.7	33.8	34.6	34.6	33.5	32.8	31.7	30.4	37.7	38.1	41.2	38.5	41.0	38.5	42.8	42.7	44.0	36.9
31																									
Mean	34.8	34.8	34.1	33.7	34.1	33.3	33.1	32.5	34.1	32.6	32.9	31.6	30.0	29.7	32.4	35.9	40.1	42.4	42.5	41.3	39.4	37.8	36.2	35.5	35.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 35. Agincourt. (Z.) 56,000 γ + September, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	562	561	560	554	553	556	558	569	549	539	546	553	546	544	547	553	549	555	556	556	556	558	562	563	554
2	562	559	557	557	558	553	541	539	545	550	551	552	550	542	549	548	543	539	538	542	548	553	557	560	550
3	564	563	563	563	552	541	533	523	515	462	497	484	481	493	503	515	515	519	525	536	543	553	560	556	527
4	556	554	551	549	548	544	543	539	538	534	534	536	537	536	539	539	544	539	549	558	567	567	568	568	547
5	568	570	558	543	549	550	543	538	532	500	502	504	512	510	512	523	533	537	547	556	553	550	547	545	537
6 Q	548	547	547	545	545	542	537	537	535	533	534	534	534	532	531	532	533	535	536	536	537	535	535	535	537
7	538	538	539	537	538	525	526	538	540	540	539	539	539	537	540	535	535	541	549	556	559	558	554	550	541
8	553	552	555	558	554	550	547	538	532	532	522	523	527	528	530	536	533	538	545	550	557	552	548	542	542
9	546	542	541	542	538	542	537	537	535	533	536	541	536	532	520	513	513	517	524	535	547	553	547	543	535
10	548	547	546	541	528	510	512	520	516	509	527	535	529	529	528	531	541	547	550	555	559	558	548	545	535
11	548	545	539	522	530	537	538	539	539	538	538	535	530	525	521	519	521	527	539	548	561	569	568	567	539
12	553	550	543	542	543	534	493	497	513	521	521	523	523	524	521	521	524	528	530	542	552	560	559	552	532
13	550	544	544	529	469	502	521	521	513	508	517	525	524	521	531	532	531	531	534	540	563	608	680	693	543
14 D	648	604	603	604	621	588	543	521	540	542	533	540	532	534	541	543	558	598	661	700	749	807	798	811	613
15 D	813	734	429	358	339	321	369	332	314	373	251	263	316	455	510	542	571	564	583	613	631	613	601	590	479
16	574	539	534	558	564	559	554	553	553	549	549	549	544	543	543	548	544	549	551	563	568	569	582	580	555
17	569	571	568	541	510	529	534	539	539	543	544	543	543	543	543	548	549	544	543	542	544	542	543	543	544
18	544	544	549	545	550	546	543	538	541	541	541	541	543	542	544	542	539	542	543	543	542	542	542	542	543
19 Q	543	541	540	540	540	537	534	533	533	534	538	536	535	533	536	532	529	524	530	534	534	534	537	541	535
20	540	539	537	537	535	538	534	533	533	531	534	535	534	534	542	541	541	539	540	545	543	548	543	543	538
21	543	543	541	540	541	541	540	540	537	538	535	535	536	533	515	514	515	518	523	526	526	535	541	546	533
22	544	541	536	535	523	507	495	488	472	446	478	507	517	522	524	517	516	516	518	525	524	525	525	526	514
23	527	530	532	535	531	527	540	536	530	530	529	528	529	527	524	523	527	527	529	530	532	534	531	530	530
24 Q	532	531	531	530	531	530	530	529	529	529	529	529	529	529	531	532	533	536	534	536	539	540	537	536	532
25 Q	539	539	538	537	536	534	534	535	533	533	534	539	536	534	528	528	531	529	531	533	533	533	534	533	534
26 D	534	540	535	532	532	532	532	508	360	380	385	385	414	445	448	468	490	514	535	560	583	589	585	591	499
27 D	571	561	556	552	536	524	517	466	421	427	455	484	501	508	525	527	526	536	545	551	560	565	679	756	535
28 D	724	678	649	673	634	577	576	596	604	595	608	611	613	608	598	598	599	599	594	597	596	593	589	588	612
29	590	590	590	589	586	571	529	536	555	555	546	545	542	555	547	551	551	560	565	571	571	578	575	571	563
30	570	569	565	564	563	561	556	560	560	558	556	555	551	551	543	550	546	547	561	596	636	651	651	703	576
31																									
Mean	570	562	549	544	539	533	529	525	518	517	517	520	523	528	530	533	536	540	547	556	564	569	574	578	542

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36. Agincourt. September, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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 Q	22	58	346	15	33	278	68	18	10	42.6	13	25	24.4	18.2	23	05	565	09	09	536	29
2	22	55	351	15	38	295	56	19	12	41.7	13	53	28.5	13.2	00	02	567	18	02	534	33
3	22	20	361	17	38	279	82	19	33	43.3	06	16	24.1	19.2	00	41	565	09	13	430	135
4	22	08	357	16	03	268	89	17	59	42.5	11	44	26.0	16.5	22	00	575	09	50	529	46
5	10	06	347	15	39	238	109	16	40	45.7	12	36	22.5	23.2	02	04	572	09	42	482	90
6 Q	23	05	356	14	47	264	92	17	58	45.6	12	46	25.8	19.8	00	13	554	14	28	527	27
7	04	32	355	16	25	274	81	17	18	50.1	12	08	23.2	26.9	20	13	565	06	00	508	57
8	20	37	317	15	39	238	79	16	58	46.5	12	54	23.9	22.6	02	52	559	11	06	518	41
9	20	28	355	15	14	282	73	18	10	43.8	12	30	25.1	18.7	22	00	554	15	43	511	43
10	21	12	342	16	07	259	83	17	22	44.0	09	57	26.1	17.9	19	55	564	08	25	499	65
11	21	10	342	16	01	267	75	19	13	45.4	02	53	22.2	23.2	21	08	571	15	50	513	58
12	22	02	340	15	57	269	71	17	57	43.5	02	57	22.6	20.9	22	01	563	06	35	484	79
13	22	26	395	15	53	265	130	22	32	53.5	03	55	15.5	38.0	22	53	700	04	27	451	249
14 D	22	55	531	16	48	166	365	16	48	50.6	22	19	25.1	25.5	22	52	901	07	10	512	389
15 D	00	11	354	04	57	-082	436	11	43	90.5	02	33	-11.7	102.2	00	05	859	08	24	153	706
16	01	09	346	16	00	266	80	20	17	44.1	00	50	09.8	34.3	22	41	590	02	17	523	67
17	20	28	332	16	05	245	87	04	18	46.^	03	58	21.5	25.3	01	13	573	04	18	493	80
18	23	05	322	15	44	267	55	17	12	41.5	12	50	29.1	12.4	02	40	553	07	22	533	20
19 Q	19	43	337	14	47	288	49	18	18	43.6	12	13	29.0	14.6	23	40	542	16	55	527	15
20	08	54	338	16	34	282	56	17	59	46.1	13	16	25.6	20.5	20	52	547	09	13	528	19
21	20	08	361	13	44	286	75	17	48	44.1	12	49	28.7	15.4	23	18	550	16	25	513	37
22	04	51	352	14	57	262	90	18	13	42.8	07	48	19.0	23.8	00	01	547	09	46	427	120
23	04	37	352	17	03	273	79	17	48	43.1	13	20	24.7	18.4	06	42	549	05	38	520	29
24 Q	20	08	338	16	07	275	63	18	50	43.8	13	50	25.0	18.8	21	08	541	10	29	527	14
25 Q	21	47	355	16	30	256	99	19	12	45.0	13	12	24.7	20.3	01	00	541	17	29	527	14
26 D	07	26	341	08	33	160	181	08	40	55.9	09	20	13.6	42.3	23	00	612	00	33	284	328
27 D	23	05	437	15	11	248	189	23	58	44.7	22	22	01.5	43.2	23	03	880	08	13	416	464
28 D	00	50	467	03	50	-023	490	03	43	91.5	03	55	00.8	90.7	03	55	879	05	45	529	350
29	20	46	313	06	24	190	123	06	25	48.0	05	58	21.0	27.0	06	50	776	06	51	500	276
30	20	42	466	14	23	231	235	23	15	49.6	14	18	20.5	29.1	23	32	733	14	05	531	202
31																					
Mean			364			236	128			48.7			20.6	28.1			622			486	136
No. days			30			30	30			30			30	30			30			30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 37. Agincourt. (H.) 15,000 γ + October, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	301	293	284	244	161	273	284	273	277	277	271	274	272	269	265	258	258	262	265	277	279	292	296	307	272
2	292	302	298	310	311	277	289	290	292	294	282	278	288	272	259	260	262	279	286	298	302	299	291	293	288
3	300	306	308	308	301	284	290	303	308	308	306	303	299	291	277	263	242	261	283	294	286	297	303	291	292
4	292	291	297	294	283	291	308	308	308	311	318	303	277	295	287	272	271	284	289	300	307	311	312	313	297
5 Q	313	315	315	316	315	314	314	315	315	315	315	312	308	300	293	273	272	278	283	292	301	308	316	319	305
6	320	322	323	322	318	323	320	316	322	322	323	320	312	302	297	289	293	297	301	307	313	315	318	319	313
7 D	320	320	318	315	308	301	301	283	282	311	306	290	215	174	194	185	201	243	279	364	383	340	383	459	295
8 D	404	380	316	263	335	206	025	265	271	258	254	180	240	263	253	243	245	275	282	280	302	291	293	291	267
9	282	288	292	289	290	291	283	296	277	277	287	296	293	281	269	257	263	279	288	298	302	292	299	306	287
10	297	290	297	296	292	301	305	307	307	308	310	306	298	273	250	257	272	282	291	294	289	301	311	314	293
11	308	293	303	301	301	299	308	304	306	311	318	316	293	299	288	271	278	284	296	304	315	317	315	313	302
12	316	317	314	313	312	315	314	320	321	320	321	316	308	294	279	271	272	287	301	314	320	322	323	327	309
13	330	327	327	325	323	322	321	322	325	325	324	323	312	299	286	278	283	291	302	306	313	318	320	323	314
14 Q	326	325	325	325	326	327	325	323	325	325	326	324	313	296	279	266	267	276	290	304	313	323	329	330	312
15 Q	330	327	328	327	328	326	329	330	332	328	330	323	311	300	288	279	277	286	299	311	323	321	323	320	316
16	321	318	315	311	316	318	320	322	321	325	319	323	320	292	291	289	287	294	301	306	310	308	307	286	309
17	290	307	316	312	310	311	314	315	315	311	318	322	315	301	286	284	286	298	307	318	323	326	327	330	310
18	329	330	326	327	325	324	326	326	326	325	321	317	313	302	291	284	290	294	303	307	314	320	325	323	315
19	325	323	315	315	310	324	325	323	322	321	321	316	311	310	302	294	297	301	302	316	327	320	322	316	315
20	320	326	325	323	320	291	303	308	316	316	315	317	313	297	286	281	295	301	309	301	308	318	321	321	309
21 Q	324	323	323	320	325	323	323	323	325	325	323	320	307	301	297	292	292	296	306	315	323	318	320	325	315
22	326	326	327	323	324	325	327	320	320	323	325	323	314	306	299	296	301	311	321	328	323	320	321	327	319
23	327	325	331	335	334	333	327	321	331	328	321	308	330	320	294	281	294	287	284	302	301	312	303	308	314
24	313	322	320	312	322	313	313	315	308	296	316	316	289	274	264	273	281	281	291	299	308	307	310	298	302
25 D	283	288	291	269	301	301	299	294	299	281	274	304	268	294	279	262	251	255	274	298	302	280	277	297	284
26 D	293	301	313	284	283	269	265	291	287	286	290	309	291	244	249	243	229	252	268	289	301	296	301	303	281
27	289	293	300	296	286	257	267	221	233	286	307	272	248	291	268	239	235	254	268	286	301	308	301	291	275
28	277	292	289	291	308	312	306	297	296	302	312	313	269	265	277	240	235	248	262	277	291	299	303	294	286
29	303	301	314	313	310	307	303	301	312	316	316	313	310	296	278	262	268	272	281	292	301	308	306	312	300
30	307	292	311	316	316	313	315	316	313	313	314	315	307	288	272	258	257	264	278	291	303	311	316	320	300
31 Q	323	320	319	322	318	320	321	322	322	322	322	321	318	309	298	292	296	301	307	313	316	318	325	327	315
Mean	312	312	312	307	307	303	299	306	307	308	310	306	295	287	277	268	270	280	290	303	310	310	313	316	300

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38. Agincourt. (D.) West. 7° + . . . ′ October, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	32.8	34.6	31.0	6.5	36.8	25.8	34.1	33.5	34.6	35.7	39.5	36.8	34.1	30.9	31.5	32.6	35.9	37.0	37.9	38.5	37.9	37.6	29.8	33.8	33.3
2	35.9	36.6	32.9	30.0	36.6	32.5	32.1	34.6	33.7	34.6	38.0	38.8	33.9	32.9	32.8	37.7	40.0	37.7	37.8	38.5	37.7	37.0	34.0	34.5	35.4
3	37.7	32.0	35.9	37.1	34.0	38.6	34.9	33.9	33.8	33.8	36.6	34.8	30.9	28.6	29.7	31.8	36.0	41.1	42.3	42.1	43.7	42.7	36.9	38.5	36.1
4	34.5	33.5	34.5	34.9	33.7	34.5	33.8	34.5	34.0	37.7	37.7	36.1	40.5	31.7	33.6	34.8	38.9	42.1	42.8	41.0	39.5	38.0	36.9	36.4	36.5
5 Q	36.0	35.7	35.6	35.0	35.5	35.1	34.7	34.6	34.5	34.1	33.5	32.7	31.5	30.0	31.5	34.7	38.9	41.5	42.1	41.3	39.5	38.3	37.3	36.2	35.8
6	36.0	35.6	35.7	35.8	35.7	31.8	31.5	33.6	33.7	33.4	32.6	31.6	29.8	32.7	34.7	36.8	41.5	42.8	44.0	41.6	38.8	36.8	35.8	35.7	35.8
7 D	35.7	35.8	35.9	36.3	34.5	31.0	29.5	20.6	21.0	24.1	41.9	38.2	53.6	41.8	48.8	44.9	43.1	43.7	44.5	40.6	40.0	38.5	46.4	42.9	38.0
8 D	31.3	27.1	28.8	30.4	40.5	23.3	30.5	34.1	31.0	30.1	35.6	55.1	36.3	32.3	35.0	36.1	39.6	37.7	38.0	37.9	35.5	36.1	36.6	36.8	34.8
9	31.7	29.1	36.1	36.0	36.5	36.8	38.0	37.8	35.7	36.0	33.6	28.5	26.8	28.5	32.5	37.8	39.8	41.0	41.0	39.7	38.8	37.6	36.7	36.6	35.5
10	35.1	29.1	35.9	30.8	32.8	35.7	35.0	35.5	34.9	34.9	34.0	31.9	28.8	28.6	34.5	39.6	40.8	42.5	42.0	40.9	39.6	36.7	36.1	35.6	35.5
11	34.6	33.7	34.5	33.6	31.9	35.6	37.6	28.6	29.8	28.5	30.5	31.0	37.1	33.8	36.8	41.7	45.0	44.1	41.8	40.7	37.8	35.8	35.6	35.5	35.6
12	35.6	35.6	35.5	35.7	35.5	35.0	36.0	35.6	33.5	32.9	32.8	30.8	29.5	27.6	30.1	34.1	38.8	41.8	42.6	40.7	39.0	37.5	36.6	36.1	35.4
13	35.5	35.4	35.5	35.1	34.8	34.0	32.9	31.9	33.4	32.8	32.6	30.6	27.6	26.0	27.0	30.8	36.0	38.8	40.6	39.8	38.8	37.1	35.8	35.6	34.1
14 Q	35.0	34.5	34.7	34.7	35.0	33.8	34.1	34.6	33.8	33.5	32.8	31.5	29.1	26.8	26.6	29.5	33.7	37.5	39.0	39.6	38.8	37.6	36.5	35.8	34.1
15 Q	35.5	34.8	34.5	34.6	34.7	34.6	34.6	34.5	32.6	32.9	31.7	29.2	28.0	27.0	29.0	33.0	36.8	39.7	41.4	42.2	40.6	39.5	38.7	36.4	34.8
16	36.4	35.5	33.8	33.5	33.3	33.5	33.5	33.4	34.5	32.1	35.4	35.4	32.5	28.3	35.5	36.0	38.0	40.8	41.5	41.5	40.6	39.6	39.0	31.7	35.6
17	27.9	31.5	33.9	34.8	34.7	34.8	34.6	33.8	32.8	34.8	33.8	31.0	28.0	29.7	32.0	35.9	38.7	41.8	41.6	40.6	37.9	36.7	35.7	35.1	34.7
18	35.0	34.8	34.5	34.4	34.6	34.2	33.6	33.0	33.5	33.0	33.5	33.5	31.6	28.8	30.7	34.0	37.2	39.6	39.5	38.8	37.5	36.3	37.5	36.6	34.8
19	36.8	36.1	34.7	34.1	33.5	27.5	31.9	32.7	31.9	32.9	32.7	30.7	30.5	30.5	28.6	33.6	36.3	37.9	39.3	38.9	38.6	37.6	37.6	36.5	34.2
20	35.5	34.4	34.6	34.0	33.5	38.8	27.0	25.8	29.8	30.6	30.5	30.6	30.5	28.1	32.1	35.6	36.0	37.8	39.1	39.6	37.6	36.3	36.5	36.1	33.8
21 Q	35.5	35.1	34.5	33.6	34.0	35.1	33.5	32.6	33.3	32.0	31.6	32.5	31.8	30.3	31.8	34.8	37.0	39.1	39.5	37.5	35.5	34.7	35.0	35.6	34.4
22	35.5	34.8	34.8	35.5	34.0	34.0	34.1	31.6	31.7	31.6	32.8	31.0	28.8	29.6	31.6	37.0	39.1	39.6	39.5	38.0	37.4	36.7	36.5	35.4	34.6
23	34.7	33.6	34.5	34.2	33.8	34.6	34.5	33.8	29.8	28.5	29.6	38.8	37.1	33.9	35.0	41.6	43.8	42.5	44.8	42.7	39.5	36.8	33.6	30.5	35.9
24	34.5	34.5	34.9	31.0	28.4	34.5	34.7	34.7	36.4	38.7	35.8	43.5	42.4	38.2	39.4	44.5	44.5	42.5	40.6	38.5	36.4	36.0	34.7	23.7	36.8
25 D	32.9	27.4	23.4	36.9	33.0	32.3	33.3	33.4	37.9	30.5	47.5	34.2	32.9	48.7	36.9	40.5	44.4	44.9	43.9	39.5	37.4	29.5	25.4	33.5	35.8
26 D	33.6	24.8	27.5	33.7	30.6	33.9	38.6	31.7	29.5	33.7	35.7	38.5	32.1	37.1	43.1	44.0	42.5	46.8	40.4	37.1	36.5	33.3	33.1	35.7	35.6
27	34.2	32.9	25.5	31.8	29.8	29.9	32.9	30.5	40.3	28.9	30.4	42.2	52.5	32.4	36.0	39.4	40.9	43.0	42.6	39.5	37.8	35.5	34.6	34.9	35.8
28	31.4	35.5	31.4	32.5	34.5	35.4	34.5	32.4	38.5	32.5	31.7	32.3	36.7	41.5	37.4	35.8	37.8	40.4	41.3	40.3	38.5	36.9	36.1	35.0	36.0
29	34.4	31.3	33.4	34.5	34.4	35.0	38.4	41.1	34.5	33.4	34.0	34.1	31.4	30.5	30.1	34.9	36.4	38.8	39.5	39.7	38.9	37.4	37.0	36.5	35.4
30	34.7	28.1	33.2	34.9	35.0	35.1	35.0	34.3	34.2	33.6	33.7	32.1	28.8	27.4	37.5	32.0	36.6	38.7	40.3	40.1	38.5	37.5	36.8	36.0	34.3
31 Q	35.5	34.5	35.5	36.7	35.3	34.4	34.3	33.9	33.5	33.3	33.1	33.1	32.0	30.5	31.2	33.4	35.5	37.0	37.5	38.4	38.3	37.4	37.5	36.5	34.9
Mean	34.6	33.2	33.5	33.3	34.2	33.6	34.0	33.1	33.3	32.8	34.4	34.6	33.5	31.8	33.4	36.4	39.0	40.7	41.0	39.9	38.5	37.0	36.0	35.4	35.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 39. Agincourt. (Z.) 56.000 γ + October, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	711	640	622	488	370	550	561	549	550	545	548	550	550	556	563	560	563	561	568	573	578	581	583	572	562
2	578	568	561	546	535	543	557	555	555	555	547	537	545	551	556	561	559	569	575	569	564	566	572	573	558
3	575	568	559	542	547	537	529	538	545	549	549	550	551	554	568	566	562	568	570	577	586	598	601	591	562
4	595	594	591	586	579	575	573	576	573	563	546	551	550	554	544	540	536	544	547	549	550	553	556	556	562
5 Q	560	560	560	559	561	559	561	560	560	559	559	559	561	560	558	553	556	561	565	561	565	566	562	560	560
6	563	563	560	562	565	563	561	566	564	563	563	563	564	564	565	561	562	564	566	567	566	563	563	563	563
7 D	567	568	566	564	565	556	553	497	438	461	450	451	446	449	476	514	575	624	642	699	675	644	681	778	560
8 D	788	744	696	643	555	555	473	559	576	546	552	502	524	550	552	560	565	571	571	571	569	563	560	563	588
9	570	568	567	566	564	563	558	547	530	520	523	543	550	554	552	554	557	559	556	553	553	557	558	557	553
10	562	564	561	560	554	560	558	560	559	559	555	559	557	555	557	557	554	556	558	560	559	564	563	563	559
11	568	567	570	567	566	556	524	534	544	547	545	548	546	544	536	532	534	544	551	552	550	547	549	549	549
12	551	550	552	550	553	547	546	545	543	546	546	546	546	545	535	530	531	533	535	541	544	546	544	544	544
13	543	542	542	541	542	542	541	542	542	542	542	544	542	543	538	536	535	536	537	547	547	547	548	548	542
14 Q	546	547	547	547	547	543	544	547	546	546	547	550	547	546	540	537	536	541	541	545	547	546	546	544	545
15 Q	539	536	538	542	538	536	540	539	536	535	536	537	540	541	535	528	524	528	527	534	536	537	541	544	536
16	546	554	551	549	546	544	545	545	543	542	536	531	527	525	531	532	532	534	534	542	550	558	565	577	543
17	584	565	560	552	551	550	551	548	542	530	525	538	542	541	541	534	530	535	535	537	541	542	542	542	544
18	541	541	542	542	541	544	542	542	541	541	540	541	542	542	540	537	536	537	539	545	544	545	545	546	542
19	550	553	556	552	551	546	542	547	547	546	546	546	546	546	536	532	534	536	537	543	536	544	549	550	545
20	552	549	547	552	546	521	522	527	536	544	544	546	547	546	540	536	538	538	542	546	546	545	545	546	542
21 Q	545	546	544	545	544	542	542	543	544	543	544	442	543	542	535	533	535	538	542	544	544	542	542	543	542
22	545	545	546	547	546	548	542	539	541	543	547	547	547	544	537	540	539	539	539	539	541	544	543	541	547
23	545	545	545	544	544	543	542	539	532	536	535	530	525	523	510	515	525	526	535	539	543	543	550	549	536
24	553	548	546	546	540	543	543	543	539	522	518	513	505	508	509	524	528	534	538	537	540	547	554	569	535
25 D	594	586	520	515	543	547	543	537	517	498	477	482	498	501	498	509	520	527	528	533	536	542	543	542	526
26 D	545	540	531	527	527	524	492	504	513	507	501	510	512	515	536	531	544	547	554	560	562	582	576	562	533
27	564	560	536	546	542	521	508	475	478	596	516	496	491	509	551	561	570	579	579	578	576	574	568	575	540
28	582	580	576	563	544	552	563	559	541	554	555	554	552	556	555	560	569	575	575	583	590	582	575	574	565
29	577	574	566	559	564	564	559	553	560	567	564	568	569	568	553	549	549	549	554	558	558	560	563	558	561
30	564	563	561	561	558	558	557	557	558	558	557	558	560	560	558	557	559	560	560	560	561	554	554	553	559
31 Q	557	558	557	556	555	557	556	556	555	555	557	555	555	552	554	545	546	545	544	544	547	548	546	551	552
Mean	573	567	560	551	544	548	542	542	540	539	537	536	538	540	540	541	545	550	552	557	558	558	560	564	549

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40. Agincourt. October, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	00	01	332	04	33	005	327	04	24	65.9	04	02	-04.2	70.1	00	08	761	03	58	265	496
2	04	14	331	14	00	247	84	02	22	44.5	02	58	21.6	22.9	01	00	590	04	54	526	64
3	02	55	326	16	44	233	93	20	46	45.5	01	23	26.6	18.9	22	10	610	06	06	525	85
4	10	37	295	12	17	264	31	12	16	43.9	13	52	28.6	15.3	00	01	596	15	48	535	61
5 Q	23	25	322	16	01	269	53	18	54	42.8	13	17	29.5	13.3	21	20	567	15	02	551	16
6	05	55	330	13	23	248	82	18	19	44.5	06	00	28.2	16.3	04	30	567	06	01	556	11
7 D	23	50	553	13	39	149	404	12	34	66.7	09	26	14.5	52.2	23	56	830	08	10	516	314
8 D	00	01	515	06	20	-106	621	11	36	61.8	05	13	-00.5	62.3	00	01	828	06	23	522	306
9	23	14	308	15	34	252	56	17	53	42.2	01	26	23.8	18.4	01	00	570	09	43	512	58
10	23	59	320	14	57	243	77	17	30	43.0	03	44	24.5	18.5	21	22	566	04	10	550	16
11	11	17	298	15	32	267	31	16	55	45.9	07	31	26.7	19.2	01	48	571	06	25	517	54
12	23	14	330	15	22	269	61	18	22	42.8	13	28	26.6	16.2	04	40	554	16	20	529	25
13	00	26	331	15	46	277	54	18	16	40.8	13	30	25.4	15.4	20	50	553	16	40	534	19
14 Q	22	07	331	15	38	259	72	20	07	39.7	15	14	25.8	13.9	20	11	551	15	40	535	16
15 Q	08	29	335	16	14	274	61	19	00	43.2	13	09	26.1	17.1	23	59	549	16	06	524	25
16	12	37	330	13	52	273	57	17	10	42.5	23	59	26.1	16.4	23	45	584	12	57	524	60
17	23	15	332	15	00	282	50	17	53	43.1	00	18	23.3	19.8	00	01	581	10	11	522	59
18	22	08	308	15	04	283	25	18	03	40.0	13	48	28.3	11.7	23	59	550	16	14	535	15
19	20	53	347	15	00	288	59	20	45	40.1	05	17	24.8	15.3	02	14	561	05	57	537	24
20	01	40	331	05	57	273	58	05	24	46.5	06	50	22.0	24.5	00	07	556	05	26	507	49
21 Q	20	35	333	15	14	290	43	17	50	40.0	14	11	27.8	12.2	21	30	546	15	02	533	13
22	19	50	338	15	00	292	46	17	57	40.1	12	42	26.1	14.0	04	55	548	17	47	537	11
23	06	20	342	15	23	271	71	15	58	45.8	10	18	26.7	19.1	22	40	554	15	43	505	49
24	04	12	332	15	04	235	97	16	05	47.6	23	17	06.8	40.8	23	07	598	12	14	503	95
25 D	02	45	345	03	08	209	136	02	53	64.5	02	33	-02.6	67.1	00	36	603	02	52	539	64
26 D	02	02	325	16	51	218	107	17	08	50.0	21	49	16.4	33.6	21	48	624	06	43	483	141
27	02	24	331	07	57	155	176	12	27	59.4	02	17	04.9	54.5	18	00	586	07	54	558	28
28	11	00	322	16	13	223	99	13	03	44.7	00	37	23.8	20.9	20	14	592	08	46	532	60
29	03	56	321	15	16	257	64	07	06	47.4	01	56	25.6	21.8	00	01	576	16	40	549	27
30	23	57	323	15	40	254	69	18	57	40.5	01	39	23.0	17.5	01	35	564	09	00	556	8
31 Q	03	34	330	15	20	291	39	03	44	39.0	13	20	30.4	-08.6	01	00	560	19	20	542	18
Mean			340			234	106			46.6			21.2	25.4			595			521	74
No. days			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, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	322	318	315	308	308	313	315	320	321	323	325	322	306	294	307	296	291	291	296	308	318	324	330	327	312
2	328	327	330	329	327	326	324	326	327	327	323	320	317	308	288	285	291	296	303	308	316	323	325	326	317
3 Q	326	326	326	323	323	322	323	324	322	325	322	320	312	299	293	293	291	290	293	308	316	316	323	326	314
4	328	327	330	325	326	326	326	326	330	330	330	330	323	315	303	297	296	302	312	317	315	317	320	322	320
5	322	322	318	320	322	323	322	325	326	327	326	327	322	308	290	282	277	285	299	311	320	323	323	323	314
6	321	320	321	324	316	313	317	318	317	315	317	319	312	306	297	288	287	286	293	304	306	315	318	320	310
7	321	323	322	320	318	320	313	313	316	317	322	325	321	307	291	279	276	279	293	304	311	307	309	316	309
8 D	315	311	306	293	296	293	297	301	297	308	316	325	313	284	259	242	249	277	287	289	304	301	301	326	295
9 D	286	263	284	277	267	229	221	242	277	308	306	286	258	253	229	220	238	248	250	260	284	304	311	299	267
10	302	300	290	288	300	293	297	298	302	303	305	305	300	290	275	269	268	277	286	297	303	305	309	309	294
11	312	312	311	318	312	312	311	314	314	317	317	318	314	302	290	277	269	273	278	292	300	307	315	314	304
12 Q	313	314	315	316	321	321	322	322	324	324	322	322	316	303	284	270	269	274	287	302	314	323	327	329	309
13 Q	329	327	322	324	323	324	322	321	321	323	323	322	317	300	285	269	263	270	287	304	319	327	328	331	312
14	331	331	331	328	326	326	326	329	332	332	332	328	324	311	289	280	280	292	308	322	319	317	319	308	318
15	302	305	312	313	309	307	304	304	307	308	309	312	308	298	288	280	276	282	292	309	318	309	319	322	304
16	321	318	317	316	316	317	318	318	321	315	314	314	314	303	292	278	273	283	297	314	322	327	331	328	311
17 D	327	321	319	316	312	311	322	326	326	321	312	331	335	311	263	256	271	278	272	283	279	299	295	307	304
18	307	305	302	292	290	296	297	304	311	314	316	318	312	295	280	268	266	272	284	289	285	295	302	307	296
19	307	303	302	310	309	311	316	307	309	309	294	310	314	292	275	267	265	270	278	284	298	305	309	311	298
20	311	313	312	309	312	309	320	312	309	308	315	318	318	302	282	282	278	283	295	307	309	311	315	315	306
21 D	316	318	321	322	321	321	321	318	323	319	299	326	329	307	283	299	292	266	279	292	307	302	307	309	308
22	309	304	298	317	304	301	287	284	298	304	309	312	307	297	285	278	272	274	278	289	297	303	306	296	296
23	294	289	293	289	297	303	303	292	299	319	321	323	317	305	283	278	277	275	285	301	307	302	296	309	298
24	313	309	307	312	309	298	294	292	297	313	314	317	322	309	284	274	256	264	270	293	295	293	292	292	297
25	290	301	299	294	302	299	307	307	309	309	310	319	319	298	292	279	260	275	290	302	312	315	311	311	300
26 D	314	308	293	304	316	311	288	280	292	290	307	302	308	317	298	272	265	277	289	289	297	303	310	307	297
27	302	317	317	317	323	319	317	317	319	320	312	313	314	311	297	287	284	287	295	303	309	316	319	318	310
28 Q	322	319	319	323	321	317	318	319	322	322	324	325	326	318	303	289	286	287	297	309	319	321	327	328	315
29	326	323	314	317	316	315	314	321	321	319	322	324	321	311	302	289	286	282	294	312	323	323	329	326	314
30 Q	327	324	328	328	328	327	329	327	324	323	317	314	311	307	298	288	286	292	302	309	312	316	314	313	314
31																									
Mean	315	314	313	313	313	310	310	310	314	317	316	319	315	302	287	277	275	280	290	301	308	312	315	316	306

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42. Agincourt. (D.) West. 7° + . . . ′ November, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	35.5	35.5	34.5	34.7	34.4	34.0	34.4	34.4	33.5	32.9	31.6	30.5	29.5	35.0	34.1	36.0	36.9	38.5	38.4	37.6	36.4	35.7	35.1	34.9
2	35.0	35.0	34.5	34.5	34.0	34.1	34.1	34.4	34.2	33.3	33.0	33.1	32.1	30.0	30.0	33.4	39.2	39.6	38.8	38.9	38.1	37.4	36.5	36.0	35.0
3Q	35.6	35.1	35.1	35.0	35.0	34.2	34.4	33.9	33.1	33.8	33.5	33.3	31.5	30.4	34.0	37.5	39.7	40.0	39.0	38.1	37.6	36.5	36.4	35.7	35.3
4	35.4	34.4	34.3	34.4	33.5	33.9	32.7	33.2	33.0	32.9	33.1	32.9	31.5	29.4	30.5	34.5	37.0	39.1	39.5	38.1	37.0	36.5	36.0	35.5	34.5
5	34.3	35.0	34.5	33.7	34.2	34.3	33.7	33.9	33.3	32.4	31.3	31.4	29.1	27.3	28.3	32.6	36.8	39.3	41.0	39.9	38.1	36.8	36.0	35.7	34.3
6	34.9	35.0	34.8	34.9	34.0	33.3	33.0	33.4	32.3	32.5	31.9	33.5	32.9	30.9	29.3	33.0	36.2	38.2	39.3	39.7	39.0	38.1	37.2	35.2	34.7
7	34.5	34.3	34.5	34.5	34.3	30.9	32.7	32.4	33.3	31.0	28.8	29.3	29.0	29.3	29.6	32.6	36.7	39.5	41.4	41.2	42.4	40.4	38.3	36.2	34.5
8D	34.8	34.6	34.6	28.7	32.3	36.8	33.4	31.4	30.0	27.4	22.6	33.2	36.6	34.2	36.8	42.9	50.8	45.3	43.3	43.4	43.3	45.0	44.9	36.0	36.7
9D	28.9	29.0	23.5	27.4	30.4	35.4	32.4	31.0	27.3	33.0	29.1	35.2	43.9	43.2	41.1	41.2	41.0	42.1	43.1	44.8	46.0	40.9	39.4	38.6	36.2
10	35.8	33.3	29.0	31.3	30.0	31.3	33.3	33.0	33.5	33.3	33.2	32.5	32.0	30.3	30.5	32.9	36.4	39.0	39.9	39.6	38.4	37.0	36.8	35.9	34.1
11	35.4	35.0	35.0	34.3	35.2	35.0	35.0	35.0	34.7	34.3	33.9	33.2	31.6	30.5	30.9	33.2	36.8	39.6	41.0	41.7	39.6	38.3	36.7	36.0	35.5
12Q	34.9	34.3	34.0	34.3	34.5	34.9	35.0	34.4	34.2	33.8	33.0	32.5	31.2	29.7	29.5	32.3	36.2	39.1	41.1	41.0	38.9	37.3	36.4	35.4	34.9
13Q	34.8	34.3	34.0	33.8	34.4	33.9	34.0	33.9	33.4	33.2	32.9	32.3	30.4	27.9	27.4	30.0	34.9	38.1	40.4	40.6	38.5	36.6	35.9	35.0	34.2
14	34.4	33.4	33.2	33.1	33.3	33.9	34.2	34.3	34.2	33.5	33.3	32.0	31.0	28.4	24.9	28.8	36.1	43.0	46.1	47.9	46.4	47.0	44.9	43.1	36.3
15	37.3	35.2	32.7	32.9	33.8	33.9	34.0	33.9	34.0	33.8	33.9	33.6	32.9	30.9	31.0	33.9	38.0	40.3	40.4	40.3	38.4	38.7	38.6	37.3	35.4
16	36.8	34.4	33.6	33.9	33.9	33.6	34.2	33.8	33.9	33.2	33.3	34.0	31.5	30.3	30.6	34.3	38.1	41.1	40.5	38.6	36.8	36.0	36.1	35.3	34.9
17D	37.2	36.1	34.0	33.4	34.7	33.2	33.8	33.9	33.6	29.6	31.1	33.5	27.8	29.4	29.7	43.8	46.4	41.7	42.5	41.2	39.7	38.2	36.4	34.2	35.6
18	34.3	32.8	33.4	32.3	32.3	32.9	35.3	36.4	32.3	30.9	33.4	36.9	35.4	31.9	31.9	34.3	36.9	38.7	38.8	38.3	38.3	36.4	36.7	35.4	34.8
19	32.7	31.8	28.6	34.3	35.2	36.1	35.5	34.3	34.4	31.4	37.7	34.8	29.9	29.2	29.3	32.3	35.3	37.9	39.4	38.9	38.4	36.8	35.9	35.0	34.4
20	33.8	34.4	34.3	33.9	35.3	33.4	32.3	32.5	34.7	38.6	31.1	28.5	29.4	31.4	33.9	37.3	39.8	42.0	41.0	38.3	37.4	36.4	36.0	35.3	35.0
21D	35.3	34.8	34.4	34.1	35.0	35.0	34.7	33.9	34.7	33.0	38.1	35.3	33.9	30.2	38.3	40.2	37.4	41.6	45.5	44.1	40.5	38.5	36.6	35.3	36.7
22	34.3	33.7	34.0	33.4	36.2	34.3	37.7	33.3	30.9	31.6	31.6	33.7	34.4	34.6	35.9	37.5	36.8	38.5	39.6	40.3	39.3	37.4	35.6	34.6	35.4
23	33.8	30.7	31.9	35.0	34.1	35.0	33.9	31.7	37.9	32.2	31.8	33.3	33.5	31.6	34.4	39.0	38.3	38.4	38.9	39.1	37.0	36.6	36.5	35.3	35.4
24	34.3	33.8	31.8	31.8	34.4	33.7	33.5	31.1	35.9	33.8	30.2	30.3	30.5	33.2	38.5	37.5	36.2	39.7	45.3	41.9	40.3	41.3	38.5	40.3	35.7
25	32.9	30.9	29.9	32.5	34.8	37.1	36.5	33.5	33.9	31.7	38.2	37.6	36.3	37.1	33.7	33.7	38.9	41.7	41.3	40.2	37.8	36.2	35.4	35.7	35.7
26D	34.8	32.2	24.3	34.1	34.8	34.2	40.9	27.2	31.4	33.3	33.5	36.6	42.5	33.2	33.7	34.6	38.7	38.1	40.4	40.6	40.5	39.2	36.5	35.3	35.4
27	34.8	32.7	33.2	35.1	36.5	34.1	32.8	34.1	33.4	32.9	33.6	34.9	33.2	30.1	29.9	29.3	33.3	36.7	38.6	38.6	37.8	36.9	36.6	35.4	34.3
28Q	34.7	34.3	34.2	33.5	34.8	33.7	34.8	35.1	34.0	34.2	33.4	33.2	34.0	31.3	31.4	33.0	35.6	39.2	41.0	38.2	37.3	36.5	35.8	35.2	35.0
29	34.3	34.2	33.7	34.2	33.3	34.1	35.4	34.4	34.2	33.7	33.3	32.2	31.9	31.6	30.1	33.2	36.2	39.5	43.5	40.8	39.3	37.9	37.2	36.3	35.2
30Q	34.9	34.4	33.9	33.8	34.2	34.2	34.2	34.3	33.7	33.3	33.2	32.8	32.5	31.0	29.8	32.8	36.2	38.7	39.2	38.1	36.4	36.2	35.4	34.8	34.5
31																									
Mean	34.8	33.8	32.8	33.4	34.1	34.2	34.4	33.7	33.5	32.8	32.7	33.2	32.8	31.3	32.0	34.9	37.9	39.8	41.0	40.4	39.2	38.1	37.2	36.0	35.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 43. Agincourt. (Z.) 56,000 γ + November, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	551	551	554	554	555	553	552	550	550	549	550	550	551	548	546	541	539	541	544	545	546	541	546	541	548
2	544	543	543	542	543	542	543	543	543	542	542	542	546	542	539	541	540	541	542	542	542	543	543	541	542
3 Q	542	544	546	543	544	542	543	544	543	542	540	542	544	545	541	541	540	540	544	545	544	544	542	541	543
4	542	543	543	544	544	543	541	542	542	542	540	542	544	540	530	530	531	536	536	541	538	537	537	537	539
5	539	539	538	538	540	539	538	538	538	538	537	537	538	542	538	539	539	539	543	545	542	544	538	541	540
6	541	541	540	540	541	541	541	541	540	541	542	541	541	541	534	533	534	540	540	541	539	540	540	539	540
7	540	540	540	541	537	535	532	538	538	537	537	538	538	539	537	537	536	540	539	541	542	544	542	540	539
8 D	543	544	546	541	543	533	525	524	526	521	524	523	521	526	515	526	535	544	545	543	546	555	580	644	541
9 D	616	596	542	555	547	532	517	496	513	542	544	533	518	518	517	527	545	557	558	565	568	568	566	573	546
10	589	590	565	548	549	555	556	550	550	549	550	550	549	548	543	544	547	547	547	550	549	548	549	547	553
11	550	550	547	545	547	548	549	549	547	546	547	546	547	547	550	551	547	550	551	556	552	554	552	551	549
12 Q	554	552	552	552	551	553	551	550	550	550	551	551	552	552	545	545	545	549	548	552	549	550	547	546	554
13 Q	549	549	549	548	548	548	547	549	548	548	547	548	549	549	548	547	548	549	553	553	554	550	549	548	549
14	549	550	549	549	549	548	548	548	547	546	546	546	543	542	529	528	531	531	535	537	541	550	551	553	543
15	559	556	549	545	545	545	542	544	539	539	540	540	539	538	537	536	535	539	536	545	541	544	546	544	543
16	547	545	545	544	544	543	540	541	544	540	539	539	539	539	530	534	533	536	537	538	535	532	532	533	539
17 D	536	539	537	541	537	536	537	536	535	532	531	532	533	532	521	533	537	540	539	541	547	551	547	546	537
18	549	547	545	544	541	535	534	536	536	536	533	526	526	534	531	527	528	532	534	536	539	541	536	536	536
19	539	539	538	538	539	535	529	536	536	537	533	528	533	535	544	544	546	548	548	549	548	548	548	547	540
20	551	551	550	550	548	543	542	542	542	527	522	530	530	536	539	538	540	542	543	546	548	546	546	544	542
21 D	547	546	546	546	545	546	546	545	542	533	526	522	523	530	531	535	536	544	550	555	563	570	560	555	543
22	555	554	554	524	539	550	540	530	536	543	545	547	545	549	550	545	543	548	549	553	553	552	551	550	546
23	554	554	553	552	552	554	548	526	538	543	544	547	546	544	543	543	542	544	545	551	553	559	555	555	548
24	558	557	557	556	554	552	541	538	541	545	546	545	548	548	551	558	560	568	570	574	577	578	584	589	558
25	565	555	551	546	545	542	538	537	540	536	531	522	529	531	535	535	539	541	541	541	541	542	542	541	540
26 D	543	544	545	546	545	541	519	483	510	516	531	526	526	533	534	536	541	545	545	546	547	549	546	545	535
27	550	547	545	540	537	539	540	540	540	540	539	539	540	540	539	536	534	533	535	536	537	537	538	537	539
28 Q	541	541	541	539	538	538	536	539	539	534	534	533	533	533	531	531	532	533	534	537	538	534	534	532	536
29	538	537	537	536	537	535	537	535	538	537	537	537	537	536	527	524	524	525	527	528	529	528	533	531	533
30 Q	535	537	532	532	531	532	531	532	532	531	532	531	531	534	531	530	532	532	535	537	537	535	533	533	533
31																									
Mean	550	549	545	543	543	542	539	536	539	538	538	537	537	539	536	537	538	541	543	545	546	547	547	548	542

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44. Agincourt. November, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	57	332	16	34	289	43	19	27	38.7	13	36	26.8	11.9	03	50	556	16	20	530	26
2	00	06	331	15	49	283	48	16	54	41.2	13	13	23.8	17.4	21	20	547	14	00	531	16
3 Q	23	55	330	17	19	286	44	17	00	40.5	13	05	29.4	11.1	19	50	549	10	00	526	23
4	11	27	333	16	11	291	42	17	53	40.6	13	05	28.4	12.2	19	45	548	14	56	527	21
5	11	53	330	16	38	272	58	18	20	40.9	12	48	26.7	14.2	19	55	546	10	30	533	13
6	03	22	326	17	13	279	47	19	30	40.3	14	28	28.3	12.0	19	50	547	15	40	532	15
7	11	50	326	15	58	274	52	20	52	42.9	13	47	28.1	14.8	21	00	549	06	30	522	27
8 D	23	57	385	16	00	214	171	16	03	54.3	10	46	19.5	34.8	23	50	733	09	07	493	240
9 D	00	01	376	07	12	186	190	20	42	48.0	02	03	-03.4	51.4	00	01	726	07	05	435	291
10	01	04	343	16	27	265	78	18	36	40.4	02	06	18.7	21.7	02	05	660	03	40	517	143
11	03	10	326	16	52	266	60	19	28	40.9	13	59	29.5	11.4	19	30	558	03	15	536	22
12 Q	23	57	332	15	49	267	65	18	46	41.4	13	52	29.1	12.3	19	58	556	15	50	538	18
13 Q	23	13	334	16	28	263	71	18	54	41.3	14	14	26.5	14.8	19	02	555	05	22	542	13
14	19	51	334	15	56	274	60	22	57	49.2	14	21	23.8	25.4	23	25	578	16	23	526	52
15	21	00	327	15	29	278	49	18	15	41.5	13	28	29.7	11.8	00	53	583	16	10	535	48
16	21	45	334	16	38	270	64	17	53	41.3	14	35	27.2	14.1	06	01	556	10	38	526	30
17 D	12	33	353	15	14	230	123	15	42	52.0	12	22	21.2	30.8	21	05	591	14	22	527	64
18	11	46	326	15	30	264	62	11	46	41.2	09	57	26.6	14.6	00	23	573	11	53	514	59
19	11	59	321	16	10	262	59	10	32	40.3	02	22	23.6	16.7	19	20	550	10	56	521	29
20	06	35	327	16	24	273	54	09	06	43.7	11	51	26.2	17.5	20	32	552	10	00	510	42
21 D	11	14	340	17	48	251	89	18	46	48.1	13	27	25.4	22.7	21	10	592	11	05	488	104
22	03	33	345	16	10	270	75	06	53	42.7	03	30	20.6	22.1	19	58	561	03	48	445	116
23	11	46	324	08	00	265	59	07	09	45.3	01	17	28.3	17.0	21	10	557	07	30	487	70
24	12	08	324	17	06	253	71	18	19	47.6	02	58	27.3	20.3	23	59	604	07	50	513	91
25	12	12	327	16	22	254	73	10	51	42.7	02	51	25.1	17.6	00	06	609	11	05	513	96
26 D	12	50	322	16	00	258	64	06	37	48.5	02	33	20.3	28.2	20	32	569	07	47	437	132
27	04	01	331	16	17	280	51	19	10	39.2	14	16	27.5	11.7	00	01	566	04	48	520	46
28 Q	23	24	330	17	33	282	48	18	32	41.5	13	45	29.5	12.0	19	55	550	12	48	528	22
29	22	14	334	17	48	275	59	18	44	44.2	14	14	28.7	15.5	22	50	548	17	35	522	26
30 Q	07	34	331	(16	10	284)	47	18	12	39.5	14	34	28.8	10.7	01	18	548	15	25	532	16
31																					
Mean			334			265	69			43.3			25.0	18.3			577			514	63
No. days			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, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	322	318	319	321	318	320	317	319	320	321	318	322	321	316	310	298	295	303	317	326	332	332	331	331	318
2 D	327	321	318	316	315	317	321	321	321	321	321	310	321	331	313	295	283	275	275	277	293	341	292	295	309
3 D	284	306	271	247	231	216	208	221	239	257	281	294	299	298	285	278	270	282	290	297	301	308	313	286	274
4	293	289	293	288	286	289	293	293	295	296	296	298	299	292	283	274	268	274	283	291	298	306	313	312	292
5	313	312	309	307	304	299	304	306	309	311	309	307	307	322	307	289	278	277	288	299	307	313	318	317	305
6	316	317	314	313	312	310	314	314	314	315	318	317	319	313	299	284	275	283	294	302	309	314	317	319	308
7	319	313	316	317	313	312	314	317	317	317	319	319	314	305	291	280	281	286	289	311	322	325	326	326	310
8 Q	322	320	321	322	325	323	324	324	326	326	325	325	322	310	299	285	279	284	300	310	317	324	326	329	315
9	323	324	323	322	322	325	326	327	332	328	325	322	320	315	299	287	280	281	286	300	315	313	306	310	313
10 D	307	310	306	296	299	294	292	301	307	305	300	312	317	301	240	231	257	264	242	282	292	300	296	301	290
11	285	282	278	280	283	285	287	290	287	293	292	294	289	281	269	262	266	277	287	295	302	303	305	308	287
12	307	303	304	305	305	303	294	300	302	306	302	302	295	299	287	268	265	267	274	290	304	314	315	310	296
13	300	303	306	305	305	309	305	309	305	306	309	305	309	302	285	265	261	269	283	292	300	309	310	307	299
14	309	307	300	302	306	307	304	307	307	303	309	313	314	305	292	283	277	282	282	282	289	300	312	310	300
15	309	307	307	307	310	304	308	307	310	314	315	315	313	306	297	283	279	277	288	300	314	317	319	318	305
16 D	316	319	320	321	321	314	312	309	320	311	325	326	320	318	316	303	271	259	265	288	283	302	302	293	306
17	291	288	280	269	250	267	272	281	216	273	303	298	296	293	283	252	253	260	269	273	284	298	300	278	276
18 D	293	293	288	294	295	296	296	297	278	306	307	298	295	296	248	201	222	242	263	262	250	272	287	291	278
19	294	292	291	286	278	277	272	270	276	293	308	313	298	291	283	260	242	252	262	283	286	288	278	281	282
20	288	285	281	289	284	290	293	293	298	298	308	308	309	300	285	266	259	260	276	298	294	287	288	298	289
21	301	301	302	298	296	291	293	284	300	306	308	304	298	306	300	295	289	290	292	298	305	306	314	314	300
22	315	308	302	304	291	277	253	231	198	272	304	287	317	312	296	275	266	263	273	284	294	296	290	296	284
23	292	303	306	300	311	314	307	307	307	307	308	309	307	304	299	294	289	283	286	289	300	307	307	305	302
24 Q	305	307	315	314	312	309	307	312	307	310	312	312	310	302	279	266	260	268	283	294	308	309	309	307	301
25	306	307	309	309	312	309	309	312	312	309	310	312	308	299	283	266	269	281	294	305	315	317	317	317	304
26 Q	317	319	321	325	323	319	319	319	319	320	319	319	317	309	286	273	273	280	294	310	324	328	324	321	312
27	320	322	322	318	316	317	318	319	319	319	321	321	315	306	286	269	273	291	307	317	325	329	323	317	312
28	314	320	321	316	315	314	313	315	315	314	315	317	319	308	285	285	288	292	304	311	320	323	323	324	311
29	326	326	323	320	320	318	318	319	320	324	325	331	326	315	300	287	280	290	308	318	326	326	315	313	316
30	312	312	313	315	312	314	315	318	320	322	326	327	325	312	296	274	264	278	295	308	315	320	321	317	310
31 Q	318	318	316	316	315	316	319	321	322	326	324	322	321	313	299	280	277	290	305	315	321	322	319	319	313
Mean	308	309	307	305	303	302	302	303	301	308	312	312	311	306	290	275	271	277	286	297	305	312	311	309	301

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46. Agincourt. (D.) West. 7° + . . . ′ December, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	34.5	33.9	33.8	34.2	34.2	34.2	34.2	34.2	33.7	33.2	33.2	33.2	32.7	32.5	31.8	33.3	35.1	36.2	37.1	37.3	35.8	35.2	34.8	33.8	34.3
2 D	33.7	33.7	33.9	34.2	34.0	33.8	33.8	33.6	34.5	33.3	30.3	29.6	35.9	36.3	37.5	39.7	42.2	44.7	45.3	42.5	44.2	49.8	44.8	42.4	37.7
3 D	37.3	36.2	26.6	33.2	29.7	21.8	22.9	23.8	27.1	25.1	27.9	34.0	37.3	36.1	38.7	43.1	43.4	46.1	45.7	44.7	50.1	48.1	48.4	40.1	36.1
4	38.2	34.3	34.1	33.4	30.1	34.3	34.7	35.0	34.6	33.8	34.0	33.3	34.1	32.8	32.2	33.9	35.7	37.4	38.7	38.1	37.6	36.7	36.1	35.6	35.0
5	34.5	33.5	33.7	34.6	36.6	33.7	34.5	34.1	34.7	34.2	33.2	33.2	41.8	38.1	36.0	32.1	36.7	39.2	40.5	38.4	37.8	36.2	35.8	35.0	35.8
6	33.1	33.7	34.4	34.4	34.1	34.2	34.5	34.1	35.8	34.1	32.8	33.1	32.2	31.1	30.7	33.1	36.0	38.7	40.7	40.2	39.2	37.4	36.1	34.2	34.9
7	34.1	33.7	34.2	33.5	33.7	34.1	34.7	34.7	34.2	33.1	33.2	33.1	32.1	30.8	30.2	32.5	36.4	39.5	42.0	38.2	36.3	35.2	34.7	34.0	34.5
8 Q	33.7	33.6	33.7	33.4	34.1	34.8	35.0	34.8	34.4	33.8	33.6	33.0	32.1	31.0	30.4	32.5	36.2	39.1	40.1	39.4	38.1	36.5	35.4	34.4	34.7
9	33.7	33.7	34.0	34.1	34.7	34.9	35.1	34.8	35.3	35.8	34.6	32.3	32.1	30.3	30.6	33.1	33.2	36.9	40.3	40.1	38.6	38.6	37.2	34.7	35.0
10 D	33.8	33.2	34.2	32.7	33.1	32.8	32.1	34.1	33.7	33.1	35.7	37.4	31.0	29.4	25.1	34.3	42.1	42.7	42.7	44.2	45.6	44.8	39.4	37.6	36.0
11	34.7	33.1	31.7	32.1	32.1	33.6	34.5	34.8	33.5	35.1	33.7	33.2	33.3	32.6	33.4	36.2	38.1	41.1	41.2	41.1	39.7	37.8	36.6	36.1	35.4
12	35.3	34.2	33.3	33.2	34.3	34.1	36.1	36.5	34.6	34.1	33.1	31.7	35.2	35.3	29.4	32.6	36.2	38.7	40.4	41.0	38.6	37.2	37.2	36.6	35.4
13	35.1	34.7	33.7	33.2	33.2	33.4	34.5	34.6	34.6	35.2	34.4	34.0	33.2	30.8	29.2	30.8	35.3	38.6	41.8	43.5	41.7	40.0	38.6	37.1	35.5
14	36.0	33.1	32.1	32.3	31.8	32.5	33.6	34.1	33.2	33.1	34.1	32.4	32.9	31.1	29.5	31.2	35.6	39.1	40.4	41.8	43.2	38.8	36.1	35.7	34.7
15	35.1	33.8	32.6	28.4	33.9	33.6	35.7	32.8	33.1	34.2	34.1	33.4	33.2	31.3	32.6	31.7	34.1	37.0	39.3	39.7	39.5	38.4	37.1	36.1	34.6
16 D	35.1	33.2	32.6	33.4	33.3	33.2	33.2	32.7	35.1	27.7	29.6	30.6	32.8	29.7	31.4	32.1	33.5	41.6	43.7	42.1	45.1	41.1	41.3	43.7	35.3
17	33.1	35.0	31.8	31.2	24.0	27.3	33.1	36.1	38.1	41.6	39.2	40.7	40.3	38.7	33.4	33.3	38.4	40.1	39.7	40.1	39.7	38.1	37.3	35.2	36.1
18 D	24.4	36.1	31.8	31.6	33.8	34.1	35.1	27.7	38.2	33.7	34.2	43.1	51.2	43.3	35.3	46.6	42.6	45.2	43.1	43.5	43.2	37.1	36.2	36.2	37.8
19	35.2	34.1	34.7	34.5	33.4	37.8	29.7	36.5	40.5	32.7	35.2	39.1	41.2	41.5	38.1	45.1	42.7	47.2	43.4	44.7	43.3	42.1	38.1	33.2	38.5
20	34.2	32.8	30.6	34.9	33.9	33.2	34.6	35.8	38.0	33.4	33.1	31.0	31.6	33.0	33.6	37.6	42.1	42.7	44.5	42.5	41.1	39.3	35.2	34.1	35.9
21	34.0	33.3	33.5	33.5	34.0	31.1	32.6	35.0	37.1	33.4	33.1	36.5	38.4	31.5	33.1	34.1	35.9	36.8	36.1	36.0	36.1	36.4	36.1	35.2	34.7
22	34.5	34.1	28.1	33.6	32.1	30.5	30.6	29.7	49.0	30.6	30.7	42.9	41.1	33.6	33.0	35.6	39.0	39.5	39.4	39.1	38.3	37.1	36.1	35.5	35.6
23	32.5	33.5	34.0	33.2	35.0	37.0	35.9	34.9	35.0	34.1	34.1	35.0	33.2	32.0	31.1	30.0	32.5	34.6	35.6	36.3	36.6	37.0	36.6	35.8	34.4
24 Q	34.6	33.6	32.7	34.9	34.9	34.7	35.0	36.1	35.9	34.2	33.5	33.3	31.3	29.0	28.3	31.9	37.0	40.0	41.1	38.7	37.6	36.5	36.0	35.1	34.8
25	34.0	32.8	33.6	34.2	34.7	34.1	34.1	34.1	33.5	33.7	34.3	32.3	31.2	29.1	30.2	34.6	37.5	39.1	39.2	37.7	36.2	35.1	34.6	34.0	34.3
26 Q	33.8	33.1	33.0	34.5	35.0	34.6	34.1	34.0	33.9	34.0	33.1	33.0	31.2	29.1	30.1	34.0	37.7	39.5	39.6	38.5	37.4	35.6	34.6	34.5	34.5
27	33.6	33.3	33.0	33.5	33.5	33.7	33.5	33.5	33.0	33.6	33.6	33.1	32.1	29.5	29.4	33.0	37.1	40.6	41.2	39.3	36.6	35.5	36.0	35.6	34.5
28	34.0	33.1	33.1	33.5	33.4	34.0	33.5	33.6	33.5	33.0	33.0	31.6	30.1	26.5	31.0	36.1	39.0	39.2	39.6	39.0	37.2	36.0	35.1	34.1	34.3
29	33.1	32.0	32.5	33.0	33.5	33.9	34.3	34.1	35.5	34.6	37.1	33.6	30.5	28.3	28.3	30.8	35.7	38.7	39.1	38.6	36.5	35.3	35.0	34.4	34.1
30	33.6	32.7	33.0	32.9	33.1	33.6	33.6	33.7	33.5	33.5	33.0	32.6	31.9	29.3	26.6	29.5	35.5	41.6	43.3	40.9	38.3	36.9	35.7	35.1	34.3
31 Q	33.7	33.0	33.1	33.5	33.8	33.4	33.1	33.1	33.1	33.2	33.4	33.3	32.0	30.1	29.3	32.4	37.1	39.5	39.2	37.4	35.3	34.3	34.2	34.3	33.9
Mean	34.1	33.7	32.8	33.4	33.3	33.3	33.6	33.8	35.2	33.5	33.5	34.2	34.5	32.4	31.6	34.4	37.4	40.1	40.8	40.2	39.6	38.2	37.0	35.8	35.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 47. Agincourt. (Z.) 56,000 γ + December, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	539	538	538	535	536	535	534	534	539	535	534	534	534	535	534	534	534	534	535	535	534	534	534	534	535
2 D	533	533	533	533	534	534	533	533	530	523	520	524	523	520	505	509	514	514	520	532	545	586	579	584	533
3 D	605	575	569	569	564	555	540	531	525	512	516	518	523	523	524	525	529	532	541	550	555	562	573	565	545
4	575	562	556	551	553	551	550	546	546	546	546	545	545	545	546	545	545	552	551	553	550	547	547	546	551
5	546	546	546	545	551	552	550	547	550	546	546	545	543	536	540	541	542	544	547	551	550	549	547	548	546
6	550	551	547	546	547	546	547	546	546	545	546	547	550	547	545	545	550	551	554	555	555	553	553	551	549
7	551	549	547	546	547	547	546	547	546	546	546	547	546	545	535	534	535	539	543	544	545	543	541	541	544
8 Q	542	542	542	541	542	542	541	541	540	540	540	539	541	542	536	535	536	541	541	542	543	544	542	541	541
9	537	536	537	541	537	536	537	536	537	536	536	536	538	536	535	535	534	536	543	546	546	547	555	560	540
10 D	555	554	554	554	552	547	544	541	543	544	542	541	543	543	535	537	543	546	557	573	582	595	580	581	554
11	569	567	564	558	556	554	554	555	551	552	552	551	550	551	546	546	546	547	552	555	553	552	551	551	554
12	549	551	553	553	553	552	548	545	547	548	548	548	547	546	546	547	547	547	552	554	554	553	549	549	549
13	553	555	555	551	550	548	548	547	550	549	549	549	550	549	546	545	539	546	548	548	550	549	547	547	549
14	548	548	547	544	541	540	540	540	538	536	537	536	537	536	535	534	531	531	536	540	544	540	538	538	539
15	540	540	538	538	538	538	532	531	533	537	533	533	533	533	532	533	532	533	534	538	538	538	537	537	535
16 D	538	538	538	538	534	534	535	533	527	523	529	529	531	532	532	524	522	529	538	551	559	555	558	569	537
17	589	564	555	552	545	535	534	529	490	500	514	519	531	532	538	540	544	550	552	555	564	553	549	552	541
18 D	556	553	550	551	548	547	544	532	527	536	541	530	525	527	522	541	556	582	596	582	567	563	562	556	550
19	555	552	549	548	547	535	517	522	508	519	527	526	527	536	535	535	538	553	563	559	558	559	565	567	542
20	564	559	550	535	530	544	545	544	539	535	537	544	544	541	538	538	537	547	551	550	550	557	560	557	546
21	551	550	548	546	546	545	542	541	539	546	545	541	538	544	541	541	542	544	542	546	546	547	546	545	544
22	546	546	545	543	541	536	501	491	442	459	487	499	496	514	521	523	529	532	536	539	539	539	540	541	520
23	544	541	538	537	533	532	534	535	534	534	534	535	534	534	537	540	538	542	541	542	543	543	543	543	538
24 Q	543	544	542	540	540	541	541	539	539	538	541	544	542	544	542	539	540	545	545	545	545	544	544	544	542
25	546	546	542	546	545	544	544	544	543	543	542	546	546	546	544	544	543	544	545	546	546	544	545	544	544
26 Q	545	545	545	545	544	544	544	545	543	542	543	543	543	543	543	542	544	546	548	547	545	544	543	543	544
27	546	547	546	546	545	546	546	546	545	545	546	546	546	545	539	539	539	542	539	540	539	537	537	538	543
28	539	536	535	535	534	536	536	536	536	536	535	535	536	535	531	531	531	534	534	535	536	538	536	536	535
29	537	537	536	536	537	537	536	537	535	532	532	532	535	536	532	532	532	532	533	537	537	537	536	537	535
30	539	539	539	539	538	540	538	538	538	537	537	538	539	538	538	535	535	542	542	543	543	542	539	541	539
31 Q	542	540	540	540	540	539	536	538	539	537	538	538	538	538	535	534	535	539	540	539	540	538	536	535	538
Mean	551	548	546	544	543	542	539	538	533	534	536	537	537	538	536	536	537	542	545	547	548	549	549	549	542

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48. Agincourt. December, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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 Q	21	55	335	16	45	293	42	19	22	37.6	14	12	31.1	6.5	19	12	542	13	45	531	11
2 D	21	48	358	19	17	265	93	21	52	52.2	11	26	27.9	24.3	21	50	693	14	05	504	189
3 D	01	00	351	06	30	196	155	02	00	56.0	01	07	10.2	45.8	01	00	703	09	23	471	232
4	22	42	314	16	40	265	49	00	35	41.9	04	18	19.3	22.6	00	36	607	15	50	538	69
5	13	58	324	16	21	270	54	12	47	45.3	15	38	30.2	15.1	05	27	560	13	18	524	36
6	01	24	321	16	20	263	58	19	57	41.1	00	57	28.6	12.5	19	52	556	09	10	534	22
7	22	43	328	18	13	251	77	18	15	47.9	14	42	28.7	19.2	19	58	552	15	40	528	24
8 Q	23	23	330	16	30	276	54	18	47	40.9	14	35	30.1	10.8	18	10	545	15	47	532	13
9	08	15	335	17	00	274	61	18	43	40.7	14	18	27.7	13.0	23	00	575	14	25	526	49
10 D	12	12	323	15	13	206	117	20	54	51.2	14	45	24.4	26.8	21	07	651	11	58	527	124
11	23	48	312	16	07	259	53	17	20	42.9	08	44	29.2	13.7	00	01	589	15	22	537	52
12	21	41	323	16	30	261	62	19	24	42.6	14	22	28.1	14.5	19	20	556	13	35	536	20
13	21	57	318	24	00	258	60	19	56	46.0	14	28	28.1	17.9	20	10	569	07	22	530	39
14	12	30	318	16	59	272	46	20	13	43.7	14	28	27.3	16.4	20	30	557	15	50	532	25
15	22	34	323	17	20	272	51	18	57	40.1	03	20	25.7	14.4	21	02	549	06	45	525	24
16 D	10	33	334	21	02	230	104	23	44	59.2	09	30	25.9	33.3	23	59	629	09	00	503	126
17	00	15	328	08	25	191	137	09	47	46.0	05	04	15.4	30.6	00	18	722	08	27	426	296
18 D	11	09	311	16	01	192	119	12	46	54.2	00	12	19.9	34.3	18	10	657	12	00	427	230
19	12	07	314	16	32	232	82	17	10	52.3	06	50	25.1	27.2	22	48	598	08	45	478	120
20	12	27	313	16	50	249	64	18	20	45.2	03	13	28.3	16.9	22	38	591	03	58	498	93
21	23	59	319	07	25	280	39	12	07	43.1	05	33	28.6	14.5	00	03	561	12	15	525	36
22	12	07	338	08	37	157	181	08	37	60.2	10	06	20.3	39.9	21	00	563	08	40	338	225
23	04	55	326	18	00	282	44	05	08	38.3	00	50	28.1	10.2	01	01	563	04	57	526	37
24 Q	02	47	329	16	23	258	71	18	37	41.4	13	49	27.1	14.3	18	00	550	07	30	530	20
25	22	30	319	15	57	266	53	17	54	39.5	14	13	26.9	12.6	19	55	547	16	07	534	13
26 Q	21	06	328	16	15	271	57	18	23	40.4	13	50	28.1	12.3	18	42	549	14	40	532	17
27	21	45	332	16	05	266	66	17	55	41.5	12	36	28.5	13.0	20	00	544	14	40	468	7(
28	21	25	328	14	35	278	50	18	42	40.1	13	29	25.6	14.5	00	03	540	14	40	525	15
29	11	13	333	16	23	278	55	18	20	39.5	13	29	27.1	12.4	20	50	538	09	50	519	19
30	11	45	327	16	35	262	65	18	16	44.0	14	12	25.8	18.2	19	55	544	15	23	525	19
31 Q	10	30	327	16	15	272	55	17	46	40.3	14	30	28.1	12.2	18	00	542	15	20	523	19
Mean			326			253	73			45.0			26.0	19.0			582			508	74
No. days			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, 1939.**

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	319	323	326	326	323	320	323	323	326	328	327	326	323	310	293	278	283	294	305	315	321	322	322	322	316
2	323	320	318	314	315	313	310	314	318	323	321	315	316	315	306	291	292	300	305	318	331	333	331	325	315
3 Q	320	316	315	317	317	320	324	326	326	326	326	324	325	319	300	285	280	284	293	306	318	326	326	323	314
4	323	323	321	320	320	322	326	324	326	327	331	329	327	321	306	290	291	305	317	324	333	339	339	331	321
5 D	331	331	332	331	318	323	329	328	327	331	326	323	319	323	327	310	308	312	315	318	326	323	323	328	323
6	328	326	324	326	321	319	320	323	324	326	328	329	324	314	308	293	285	303	320	327	331	321	326	328	320
7	326	321	320	321	319	316	317	320	320	318	321	323	321	316	311	300	298	314	321	319	318	320	326	318	318
8	315	315	303	303	310	315	313	316	318	317	318	318	318	309	296	288	285	288	295	303	306	320	321	320	309
9 D	319	321	316	310	305	294	287	272	289	298	301	302	302	294	284	282	285	299	314	319	327	315	311	316	303
10	319	318	315	309	302	309	312	305	307	309	310	309	308	310	303	285	287	297	309	314	319	317	320	323	309
11	320	321	321	317	312	310	312	315	317	314	308	309	307	302	289	273	279	291	306	317	319	318	330	330	310
12	325	324	319	318	312	314	317	316	316	317	315	316	317	307	299	290	295	307	317	325	330	330	326	327	316
13	328	325	329	325	317	319	319	319	320	321	320	319	315	299	285	279	285	299	307	314	325	325	328	328	315
14	322	331	319	317	312	315	317	319	320	320	319	312	310	302	282	272	290	287	292	302	314	314	298	309	308
15	316	320	317	306	307	310	311	307	303	306	314	315	315	305	292	284	283	286	289	299	308	315	317	312	306
16	310	317	319	317	315	317	319	322	322	325	321	321	319	307	294	270	278	294	305	309	314	314	320	318	311
17 D	308	289	267	276	274	278	287	299	309	316	312	305	312	309	288	264	265	274	281	295	315	312	316	318	294
18	312	312	314	308	299	294	279	295	314	315	315	313	314	311	299	282	275	277	288	299	307	315	309	314	303
19	317	317	313	312	308	309	309	312	315	319	315	318	316	312	301	287	282	284	296	304	311	312	310	304	308
20	299	292	287	302	301	297	282	295	303	311	312	319	315	307	295	287	286	294	306	311	309	314	315	312	302
21 D	302	299	292	305	309	315	314	317	314	319	314	315	316	302	295	299	294	284	284	308	311	314	314	315	307
22 D	312	312	313	312	309	309	317	320	320	323	325	322	319	311	301	294	289	302	298	299	315	321	299	293	310
23	294	301	306	304	305	319	308	312	306	306	317	317	311	301	273	277	284	289	302	304	307	314	318	317	304
24	314	313	314	315	300	281	297	303	307	319	318	313	309	303	291	281	281	290	298	306	314	316	313	315	305
25	311	318	319	316	314	316	314	311	316	319	318	313	307	298	284	274	274	286	293	311	314	318	316	316	308
26 Q	314	312	314	315	315	316	317	318	316	316	317	316	311	296	284	273	269	283	298	308	314	319	321	321	308
27 Q	319	316	315	315	316	316	318	319	321	321	320	318	313	301	288	274	270	281	293	305	319	328	330	327	310
28	326	324	322	321	320	317	319	321	324	324	329	326	321	310	293	280	280	283	293	305	318	321	328	316	313
29	311	309	313	311	307	309	309	313	315	314	314	316	313	301	289	280	280	283	295	305	314	321	324	324	307
30 Q	324	323	322	321	318	317	318	322	322	319	318	315	314	307	295	285	281	283	294	306	312	320	327	326	312
31	320	320	316	308	314	313	311	314	313	319	319	318	321	313	293	278	273	283	295	305	313	316	319	322	309
Mean	317	316	314	313	311	311	312	314	316	318	318	317	315	308	295	283	283	291	301	310	317	320	320	319	310

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 50. Agincourt. (D.) West. 7° + . . . ′ January, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	34.0	33.1	33.0	33.1	33.5	34.0	34.1	33.0	33.2	33.7	33.4	33.2	32.3	29.1	29.3	34.6	38.6	40.5	40.3	39.1	37.1	35.3	35.1	34.4	34.5
2	33.6	33.4	33.5	34.3	33.9	35.0	33.4	32.1	31.9	31.1	32.1	32.9	32.6	30.9	29.2	33.4	37.1	39.4	40.7	39.1	36.5	34.6	33.9	33.5	34.1
3 Q	33.3	33.2	33.0	33.2	34.0	34.9	34.6	34.5	34.2	33.4	33.3	33.2	32.9	29.9	31.2	33.6	36.0	37.9	37.9	37.2	36.2	35.2	34.7	34.4	34.2
4	33.7	32.9	33.4	33.7	33.9	33.9	34.0	33.8	33.5	33.9	33.9	33.4	32.2	30.5	28.9	31.8	35.6	38.0	38.5	36.9	34.9	33.5	33.4	33.5	33.8
5 D	33.0	32.4	33.3	33.1	33.5	33.0	32.0	31.8	32.0	32.7	32.6	31.5	30.5	32.5	32.5	33.6	36.9	39.4	38.9	37.5	36.5	36.0	35.0	35.8	34.0
6	35.0	34.3	34.5	34.2	33.4	33.9	33.8	33.3	33.4	33.4	32.9	34.4	33.9	31.0	33.2	34.9	38.3	42.9	43.7	40.6	36.9	35.9	35.1	34.2	35.3
7	33.9	33.0	33.4	34.5	33.8	32.9	33.2	32.9	32.5	31.0	32.5	29.9	29.2	31.2	33.0	34.5	36.1	37.1	37.2	36.4	35.4	34.5	37.0	37.0	33.8
8	34.9	34.1	34.9	31.4	34.0	34.4	33.9	33.2	33.5	33.3	34.0	33.2	31.2	30.2	30.9	33.7	36.6	39.5	40.0	38.5	35.5	36.9	37.0	35.0	34.6
9 D	34.7	35.4	35.5	34.3	33.9	32.9	28.9	33.1	36.2	33.2	30.9	34.6	31.3	30.3	33.3	35.0	37.2	38.0	37.5	37.0	37.2	35.4	34.5	35.9	34.4
10	34.0	33.1	33.5	34.0	30.5	34.5	34.9	32.8	33.3	33.7	33.4	28.2	35.2	31.4	33.0	35.7	37.2	38.5	39.1	38.2	36.9	35.5	35.6	35.5	34.5
11	34.5	33.4	34.0	33.8	33.6	33.5	32.9	33.4	33.4	32.9	33.2	31.0	29.2	28.5	30.5	33.5	37.0	39.1	40.0	40.0	38.0	35.7	36.0	34.9	34.2
12	33.2	33.8	33.4	33.7	33.8	33.5	35.3	31.3	31.4	31.8	31.8	32.0	30.4	30.2	31.1	32.9	35.7	38.4	39.3	38.3	35.8	35.3	35.4	34.4	33.8
13	33.4	32.8	32.7	34.8	33.8	34.3	33.6	33.3	33.3	32.6	32.4	31.3	31.4	31.4	33.7	34.7	37.8	39.3	39.0	37.5	35.1	34.4	35.1	35.8	34.3
14	33.9	35.8	34.9	33.8	33.9	34.6	35.2	34.4	34.2	33.0	32.3	32.3	33.9	31.1	34.1	38.8	41.9	41.1	41.0	37.9	36.4	36.1	36.5	35.1	35.5
15	33.4	32.8	33.6	32.9	29.9	34.5	34.9	34.4	36.3	38.2	33.3	29.5	29.9	30.9	32.3	34.5	37.6	38.9	39.1	37.8	35.6	34.5	34.8	34.5	34.3
16	33.2	33.4	33.9	34.3	34.3	34.5	34.5	34.3	34.1	34.9	31.5	30.3	29.5	29.4	28.9	30.4	35.7	38.9	39.3	38.4	37.6	35.5	35.2	33.8	34.0
17 D	34.0	33.5	30.3	30.8	38.9	31.8	32.9	32.6	34.4	35.4	34.8	39.1	36.0	28.9	27.2	27.6	31.4	34.9	37.4	38.1	38.9	37.4	36.4	34.9	33.7
18	33.8	33.8	33.9	33.2	31.4	28.9	30.4	28.8	31.9	32.8	33.8	33.0	32.2	29.9	29.4	31.4	33.1	34.9	37.4	38.9	37.6	35.8	35.5	35.2	33.2
19	34.6	33.9	33.9	33.8	32.9	32.9	33.0	34.4	36.1	34.3	33.9	33.7	32.8	30.6	29.2	30.5	33.9	36.3	38.3	38.3	37.3	36.3	36.1	35.1	34.3
20	33.9	32.4	30.8	32.1	32.9	25.8	27.9	29.3	31.6	32.5	35.1	33.4	30.9	29.3	31.0	31.6	34.0	35.8	37.3	37.0	36.1	35.4	35.0	34.8	32.7
21 D	34.6	33.8	33.3	34.4	33.9	34.9	35.1	34.2	32.9	32.3	29.8	31.1	28.9	31.8	35.9	38.3	37.8	38.5	42.4	38.4	36.7	34.9	35.3	34.5	34.7
22 D	33.8	34.0	34.2	34.1	32.1	34.4	34.9	36.5	31.9	32.8	32.9	33.7	33.0	32.6	32.4	34.0	36.5	38.3	39.3	40.7	35.9	35.4	36.1	31.5	34.6
23	32.4	32.2	32.8	32.1	33.4	40.4	39.7	34.4	32.6	40.5	34.2	30.5	31.0	31.5	36.4	41.1	41.9	41.6	41.3	39.3	36.9	35.4	34.4	34.2	35.8
24	33.5	33.4	33.8	33.3	28.9	34.0	34.9	33.0	36.3	34.8	33.0	32.6	31.2	32.4	34.9	36.2	37.9	39.0	38.9	37.1	35.4	34.3	33.9	34.9	34.5
25	32.8	32.0	33.3	34.0	34.3	33.8	34.3	36.6	33.3	31.6	32.0	32.0	32.8	30.9	30.9	34.4	36.8	39.3	39.9	37.9	35.9	34.3	34.8	34.6	34.3
26 Q	34.3	33.8	33.5	33.6	34.1	34.1	34.3	33.9	33.6	33.1	33.1	32.6	31.5	29.9	31.1	33.6	36.4	37.9	38.3	37.8	36.2	34.9	34.2	33.9	34.1
27 Q	33.5	33.3	33.3	33.5	33.8	33.8	34.0	33.9	33.8	33.2	32.8	31.9	31.0	29.5	29.3	31.3	34.1	38.4	41.0	39.8	37.8	35.7	34.8	34.1	34.1
28	33.3	32.9	33.0	33.2	33.8	33.1	33.7	33.1	32.8	32.8	32.1	31.8	31.9	29.9	29.7	30.1	34.4	38.3	40.6	39.9	38.8	36.8	35.8	36.5	34.1
29	36.5	34.4	32.9	34.1	33.8	33.9	33.8	33.4	33.4	33.0	33.0	32.6	31.8	29.8	30.8	32.8	34.9	37.1	39.0	39.1	38.2	37.2	36.1	35.7	34.5
30 Q	34.8	33.2	33.4	33.5	33.3	33.9	33.4	34.0	33.9	33.4	33.2	33.1	32.8	30.8	30.9	33.0	34.9	36.9	36.6	36.2	36.3	35.9	35.0	34.3	34.0
31	33.8	33.4	33.4	32.8	35.4	33.8	33.8	33.9	32.8	36.2	32.0	32.9	32.9	30.4	30.7	33.3	35.0	37.8	39.3	38.3	36.4	35.8	35.7	35.0	34.4
Mean	33.9	33.4	33.4	33.5	33.1	33.7	33.7	33.3	33.5	33.6	32.9	32.4	31.8	30.5	31.4	33.7	36.4	38.4	39.3	38.3	36.6	35.5	35.3	34.7	34.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 51. Agincourt. (Z.) 56,000 γ + January, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	534	535	534	532	531	532	530	530	534	534	531	533	534	534	528	531	540	544	544	541	537	536	535	534	535
2	534	531	530	531	530	534	534	535	532	529	529	532	537	538	534	532	537	541	541	541	540	537	536	534	535
3 Q	534	536	535	535	534	535	534	533	534	531	531	532	534	531	525	531	538	541	542	540	536	535	534	532	534
4	532	531	530	530	531	531	531	531	531	531	531	530	529	528	525	522	528	532	535	536	534	529	529	529	530
5 D	530	528	527	528	530	531	530	530	529	529	528	527	528	528	523	525	529	530	534	534	531	532	538	538	530
6	537	537	537	536	535	535	535	535	534	534	535	534	529	527	522	522	525	534	536	535	534	534	537	538	533
7	537	536	536	536	536	536	536	535	535	534	534	534	531	531	531	535	537	540	537	536	539	538	542	545	536
8	547	544	547	548	546	544	538	537	536	535	534	534	536	536	535	535	537	540	544	547	549	543	541	541	541
9 D	542	544	549	548	542	537	518	505	492	505	527	534	540	537	530	536	546	547	546	542	540	541	547	546	535
10	545	542	542	544	546	544	542	537	537	540	540	535	523	518	522	532	540	544	544	546	548	543	543	546	540
11	544	542	544	544	543	543	541	538	537	534	535	532	530	532	534	534	541	546	547	550	547	547	546	546	541
12	543	541	538	538	538	540	535	535	538	537	537	536	536	538	538	538	541	536	537	541	540	534	534	537	538
13	537	535	534	534	535	535	536	536	535	535	535	534	532	528	523	524	534	535	537	540	534	529	535	536	534
14	538	538	536	536	537	537	535	535	534	532	530	529	526	524	527	532	535	535	536	538	538	537	541	542	534
15	541	537	535	535	532	534	532	531	524	520	525	530	531	532	531	531	535	538	541	540	537	535	535	535	533
16	536	536	533	534	532	534	532	532	530	528	528	530	531	535	532	530	532	534	532	534	541	538	535	540	533
17 D	542	548	550	529	530	522	507	508	526	537	538	532	520	528	527	534	535	535	538	542	544	541	540	541	533
18	541	543	541	537	532	517	499	519	532	532	534	534	535	535	529	531	531	532	529	534	538	540	537	537	532
19	536	534	532	532	533	534	534	534	534	530	531	532	534	534	528	531	535	537	536	537	538	535	537	541	535
20	544	543	541	541	535	511	517	525	525	526	529	531	531	525	519	522	525	526	530	535	536	535	532	535	530
21 D	535	535	535	534	532	530	531	528	528	518	516	523	528	524	526	527	524	526	535	540	537	535	532	535	530
22 D	535	534	534	535	531	535	534	528	525	528	529	530	531	531	528	528	528	526	528	529	534	537	536	543	532
23	543	544	538	536	524	508	511	522	522	512	508	518	526	526	529	532	530	531	535	537	538	536	534	532	528
24	532	530	531	530	527	530	531	534	534	529	529	530	532	532	530	530	535	537	540	541	536	532	531	535	532
25	535	534	531	531	530	524	523	529	529	530	528	529	531	534	534	535	535	534	536	542	540	531	528	531	532
26 Q	531	530	529	529	529	529	530	528	528	528	528	528	530	529	523	522	523	526	534	536	532	534	529	529	529
27 Q	529	528	528	528	528	528	529	528	529	528	527	526	530	530	530	529	531	535	536	536	531	531	529	529	530
28	528	525	525	525	525	526	528	527	527	526	525	525	525	524	522	529	531	535	536	536	536	534	530	532	528
29	536	537	536	538	537	534	532	532	531	531	531	530	530	529	528	525	525	528	532	535	537	534	531	532	532
30 Q	531	530	528	528	528	529	529	529	528	529	528	527	529	528	523	523	526	529	532	530	530	529	526	526	528
31	525	525	525	528	527	525	526	529	528	522	517	524	525	525	524	526	530	531	535	537	535	531	528	527	527
Mean	537	536	535	535	533	531	529	530	530	529	530	530	530	530	528	530	533	535	537	538	538	535	535	536	533

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 52. Agincourt. January, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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 Q	06	46	336	15	50	275	61	17	55	41.0	13	57	27.1	13.9	18	17	547	14	52	522	25
2	21	10	336	16	00	285	51	18	07	40.9	10	15	18.2	22.7	17	59	543	15	27	528	15
3 Q	09	18	329	16	07	280	49	17	36	38.2	13	43	28.0	10.2	19	00	542	14	23	524	18
4	21	44	343	15	55	286	57	18	12	39.1	14	44	28.3	10.8	19	05	537	15	35	521	16
5 D	09	25	336	16	47	301	35	17	52	40.3	14	38	28.0	12.3	23	00	540	14	30	518	22
6	20	26	336	16	34	275	61	18	26	43.9	13	47	29.5	14.4	18	40	540	14	22	518	22
7	00	05	331	16	20	290	41	17	55	37.7	12	09	27.0	10.7	23	59	546	12	28	529	17
8	21	55	321	16	03	278	43	18	02	40.5	13	30	28.0	12.5	20	05	550	09	40	532	18
9 D	20	07	329	07	38	262	67	07	50	38.9	07	06	23.2	15.7	02	58	552	08	15	475	77
10	20	25	326	16	00	279	47	18	50	40.2	04	17	25.7	14.5	20	25	549	13	28	513	36
11	22	54	335	15	55	269	66	18	07	40.7	13	10	26.8	13.9	21	45	550	12	15	528	22
12	20	58	333	15	55	285	48	18	00	39.9	13	36	28.1	11.8	00	25	544	06	37	533	11
13	02	46	332	16	05	274	58	17	17	39.8	13	40	29.1	10.7	19	30	541	13	15	522	19
14	01	23	336	15	30	258	78	15	39	42.9	13	12	28.9	14.0	23	00	544	13	05	522	22
15	01	13	321	15	50	279	42	09	29	40.8	04	18	25.1	15.7	00	04	542	09	10	517	25
16	11	03	329	15	56	266	63	17	54	40.1	14	32	27.6	12.5	20	47	545	09	42	524	21
17 D	20	27	325	02	10	239	86	11	44	41.3	02	15	19.9	21.4	02	13	560	06	27	501	59
18	02	18	318	07	00	266	52	19	37	39.1	05	06	25.3	13.8	01	20	546	06	55	490	56
19	20	33	320	17	00	277	43	18	28	38.8	13	57	27.9	10.9	23	59	546	13	25	528	18
20	11	30	320	06	27	274	46	18	44	37.6	05	37	22.9	14.7	01	36	547	05	29	500	47
21 D	09	33	321	17	22	277	44	18	26	44.6	12	52	25.9	18.7	19	15	540	20	35	515	25
22 D	21	13	330	18	58	275	55	19	14	42.8	23	32	27.6	15.2	23	50	546	08	05	520	26
23	05	40	335	14	57	263	72	09	28	45.9	13	24	29.4	16.5	01	00	546	10	07	496	50
24	09	17	321	05	48	273	48	06	00	39.9	04	44	22.9	17.0	18	05	541	04	47	523	18
25	05	51	334	16	31	271	63	17	54	40.2	00	46	29.4	10.8	19	58	543	06	04	512	31
26 Q	21	44	321	16	25	272	49	18	08	38.8	13	04	29.6	9.2	19	00	537	14	40	522	15
27 Q	22	30	330	16	30	268	62	18	17	41.0	13	30	29.0	12.0	18	25	537	11	00	526	11
28	22	40	328	17	22	274	54	18	33	40.9	14	22	28.8	12.1	19	55	537	14	25	520	17
29	22	15	325	16	15	280	45	19	00	39.9	13	34	29.1	10.8	03	45	538	15	47	523	15
30 Q	22	18	328	16	40	278	50	17	34	37.3	14	22	29.1	8.2	19	30	532	14	35	522	10
31	09	48	325	16	45	270	55	09	43	40.2	13	50	28.9	11.3	20	20	537	10	00	509	28
Mean			329			274	55			40.4			26.9	13.5			543			517	26
No. days			31			31	31			31			31	31			31			31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 53. Agincourt. (H.) 15,000 γ + February, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	318	314	313	312	314	313	316	318	321	320	326	329	324	311	318	314	309	306	297	288	296	303	326	322	314
2	297	290	293	290	291	285	274	279	288	295	293	293	297	298	295	288	288	278	281	300	298	329	294	304	292
3	306	304	304	293	301	296	293	298	298	300	301	302	303	303	293	295	300	310	313	311	316	306	313	310	303
4	321	306	306	303	304	303	298	304	307	306	305	303	302	296	285	270	264	263	275	286	294	304	307	311	296
5	308	309	309	310	308	315	302	300	305	306	310	310	307	310	308	302	297	300	310	317	328	318	303	313	309
6 D	312	316	309	303	300	298	293	295	305	305	297	252	246	199	231	231	207	229	210	300	300	312	333	297	278
7 D	271	259	256	261	265	261	250	258	257	256	261	277	276	269	285	268	264	269	277	286	284	288	300	297	270
8	302	297	292	295	296	297	297	297	296	300	298	295	289	280	276	269	267	273	287	294	304	307	305	312	293
9	305	309	308	304	302	303	305	306	307	305	297	285	282	283	284	274	269	271	267	281	300	301	308	310	294
10	300	307	297	297	290	294	297	294	294	295	304	305	300	292	288	280	265	265	287	300	311	317	312	302	295
11	306	297	282	296	301	302	307	300	299	299	297	317	317	306	293	280	272	270	277	290	297	300	306	308	296
12 Q	307	308	308	309	310	310	311	309	307	311	312	312	309	306	300	291	286	286	290	300	311	313	318	319	306
13 Q	318	317	315	314	312	311	311	316	317	319	321	322	322	319	318	312	307	301	305	311	307	304	306	312	313
14	315	314	304	309	309	311	312	314	312	314	316	320	315	312	314	305	301	299	304	298	306	311	314	320	310
15	321	307	301	303	306	316	307	309	317	318	320	326	322	314	306	311	305	303	307	311	314	318	322	323	313
16	319	317	306	283	276	291	300	290	306	308	307	312	314	300	292	292	286	283	288	297	305	299	304	310	300
17	311	309	306	301	292	299	292	296	287	298	309	308	302	300	298	295	286	286	287	294	291	303	304	305	298
18	303	309	310	306	305	302	299	298	304	298	307	311	312	311	305	296	298	302	305	307	307	305	289	291	303
19	306	305	305	307	304	292	294	294	305	306	307	312	304	294	289	282	281	282	290	303	294	306	311	314	300
20	313	314	300	305	312	313	313	314	313	312	315	314	309	301	298	283	280	287	298	305	310	314	310	311	306
21 Q	310	308	308	311	318	312	312	313	313	313	313	313	308	299	297	300	303	305	308	313	315	313	312	313	310
22 Q	314	313	313	310	312	311	313	315	317	313	312	313	313	300	291	289	284	290	301	316	317	318	315	319	309
23	304	298	299	302	308	308	309	308	310	311	308	307	301	300	298	303	301	307	318	327	336	321	321	326	310
24 D	329	318	321	307	310	311	306	305	307	308	304	302	288	293	286	278	256	218	247	305	469	542	542	480	330
25 D	424	431	284	167	128	-038	-071	-010	041	051	197	234	215	217	198	221	212	242	269	271	274	275	281	277	199
26	279	277	275	271	274	273	274	276	275	277	278	276	275	274	270	263	258	253	258	270	283	290	288	291	274
27 Q	298	299	296	293	291	293	293	293	294	294	293	294	292	278	280	279	275	273	283	291	299	299	302	305	291
28	305	304	299	304	303	305	305	297	294	289	298	299	294	288	274	262	253	276	292	302	305	304	290	292	293
29																									
30																									
31																									
Mean	311	309	301	295	294	289	286	289	292	293	300	301	298	291	288	283	277	279	287	299	310	315	315	314	297

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 54. Agincourt. (D.) West. 7° + . . . ′ February, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	34.1	33.3	33.8	33.2	33.0	33.0	32.8	32.7	32.8	32.1	32.3	32.4	29.8	29.7	33.3	34.3	33.5	34.3	35.8	40.2	41.3	39.1	42.1	52.0	35.0
2	38.0	30.2	34.7	33.1	33.3	31.7	30.1	28.7	27.8	30.7	31.7	32.4	32.0	30.4	33.7	33.8	34.7	37.4	41.9	40.6	40.1	39.8	39.4	38.7	34.4
3	35.7	35.8	35.3	33.8	30.7	32.2	31.0	30.6	30.7	32.0	32.9	33.3	32.8	29.5	31.2	32.2	34.8	36.0	36.2	37.4	37.8	37.2	38.9	37.7	34.0
4	38.1	37.0	33.7	32.7	33.7	32.7	33.2	30.5	30.8	32.1	32.1	36.9	32.9	29.7	29.7	32.8	34.2	37.3	39.1	38.7	37.0	36.2	35.8	36.6	34.3
5	35.8	34.8	35.1	33.7	33.3	33.0	33.8	30.5	31.4	31.1	35.1	33.2	32.8	30.8	31.7	33.7	35.4	36.4	37.0	38.0	41.5	43.0	37.7	35.9	34.8
6 D	35.4	33.1	33.2	32.7	33.4	27.7	25.7	32.4	31.7	30.7	41.3	54.2	56.8	47.2	58.3	48.8	47.2	48.8	40.1	38.8	39.7	36.1	36.3	35.7	39.4
7 D	38.8	34.0	34.2	35.6	31.8	32.7	30.0	26.7	25.3	26.8	34.1	30.2	32.2	39.1	44.8	48.0	39.3	41.2	39.8	40.0	40.1	38.7	41.0	39.8	36.0
8	37.6	37.2	33.5	32.8	33.5	33.1	33.3	33.3	32.8	33.0	33.0	32.8	32.3	30.9	34.7	35.7	38.5	40.3	40.8	41.8	42.2	41.8	39.8	40.5	36.0
9	35.8	34.0	34.9	33.7	33.0	34.7	35.3	33.7	33.0	32.9	31.0	34.9	32.3	29.2	31.9	34.1	37.0	38.0	41.8	44.1	44.0	43.0	39.8	38.6	35.9
10	36.9	35.7	33.8	34.3	32.8	33.8	33.8	32.7	31.8	32.1	31.9	30.8	28.3	27.0	31.3	36.2	35.6	45.2	44.0	40.7	37.2	36.2	35.4	35.5	34.7
11	35.0	34.7	31.2	25.2	33.7	33.7	37.8	32.7	31.4	33.3	37.9	40.1	37.6	32.3	31.8	33.3	34.2	36.0	36.9	36.2	35.8	35.7	35.9	35.1	34.5
12 Q	34.7	34.0	33.9	34.0	33.8	33.7	33.4	33.7	33.0	32.7	32.8	33.1	32.8	31.8	32.7	34.1	36.5	38.7	39.3	38.0	37.0	35.6	35.2	34.8	34.6
13 Q	34.2	33.8	33.3	32.9	32.8	32.4	32.5	32.7	32.8	33.2	33.1	33.2	33.0	31.9	31.0	30.7	32.1	33.2	34.3	34.2	33.8	34.8	36.1	35.3	33.2
14	34.8	34.7	33.7	33.0	32.9	32.7	33.7	32.6	34.3	32.3	33.7	32.8	33.7	33.5	33.7	32.8	33.8	37.0	37.7	36.9	36.0	35.3	35.2	34.7	34.2
15	34.6	34.5	35.7	31.2	28.3	33.5	32.5	32.8	32.9	33.0	35.7	33.6	31.8	31.0	33.7	36.9	37.0	37.0	37.0	36.2	35.4	34.2	34.5	34.7	34.1
16	34.4	34.2	33.4	27.3	30.9	32.8	34.9	36.5	39.4	30.9	31.9	33.3	33.3	33.4	38.9	37.7	40.1	39.4	38.2	37.9	36.9	36.4	35.0	33.8	35.0
17	33.9	33.9	34.8	33.2	28.8	31.4	35.5	39.8	33.3	27.4	31.9	32.1	34.1	39.6	39.9	39.9	38.1	37.1	37.4	36.8	36.3	34.5	35.8	34.5	35.0
18	30.9	33.0	33.5	33.9	34.0	33.3	31.2	39.2	30.7	28.1	31.0	30.7	32.2	33.2	33.2	34.0	38.4	37.0	37.6	37.6	36.3	35.6	31.9	33.0	33.7
19	35.0	34.8	34.2	34.3	31.9	29.6	30.1	32.9	31.0	32.9	34.0	32.7	32.9	31.7	34.5	35.0	36.6	38.4	38.7	38.5	36.9	36.3	35.9	35.0	34.3
20	34.4	33.6	33.6	29.3	34.0	34.1	34.1	33.8	33.8	33.4	33.1	33.1	33.3	32.1	33.5	34.5	38.3	42.0	42.2	40.3	38.2	36.0	35.1	34.7	35.0
21 Q	33.8	33.6	33.6	34.0	34.5	35.0	34.6	34.0	33.4	32.9	32.5	32.4	31.3	31.0	31.5	32.7	34.5	37.3	37.9	36.7	35.2	34.8	35.4	34.6	34.1
22 Q	33.6	33.6	33.4	33.1	33.0	33.4	33.2	32.9	32.0	29.4	29.4	30.7	28.8	28.3	28.2	29.6	32.8	37.0	39.0	38.6	37.5	36.1	35.8	34.8	33.1
23	33.6	33.6	33.4	31.7	32.1	31.6	31.8	31.6	31.4	30.6	30.8	30.6	28.2	26.8	28.8	30.0	31.6	34.2	35.2	36.7	36.4	37.4	36.6	35.8	32.5
24 D	37.2	36.0	35.8	33.9	30.5	33.3	32.2	31.5	30.2	29.5	29.3	28.5	27.2	33.0	29.8	37.6	38.4	37.5	45.1	39.0	27.5	10.0	34.0	28.9	32.3
25 D	51.7	60.9	23.6	34.9	25.8	32.8	28.0	23.8	28.6	55.9	47.6	39.0	54.1	51.1	45.4	38.2	44.6	46.7	43.5	41.4	42.8	39.8	36.2	37.4	40.6
26	36.6	35.7	35.4	34.9	35.2	34.7	34.8	34.5	34.3	33.8	33.7	33.2	32.8	31.4	31.9	33.5	35.6	38.6	40.6	40.5	39.6	38.7	37.4	35.1	35.5
27 Q	35.4	35.1	35.0	34.5	34.4	34.2	34.0	33.4	33.2	32.6	33.3	32.4	32.4	33.1	35.9	35.2	36.4	38.7	39.9	38.8	37.6	36.5	36.8	36.1	35.2
28	35.1	35.0	33.8	31.4	33.5	33.6	31.7	31.3	28.4	27.4	29.9	30.0	29.5	28.4	26.8	27.5	34.7	44.8	43.0	40.7	40.5	42.9	43.4	40.4	34.3
29																									
30																									
31																									
Mean	35.9	35.4	33.7	32.8	32.5	32.9	32.7	32.6	31.9	32.3	33.5	33.7	33.6	32.8	34.4	35.1	36.6	38.8	39.3	38.8	37.9	36.5	36.9	36.4	34.9

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 55. Agincourt. (Z.) 56,000 γ + February, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	529	530	531	531	529	530	529	529	526	526	525	525	526	525	520	514	519	518	524	531	546	548	559	618	533
2	659	602	613	578	555	547	541	520	535	536	532	532	536	529	527	526	526	526	538	547	544	549	554	554	551
3	547	548	552	553	550	550	542	539	536	537	535	533	529	528	523	523	524	525	529	533	537	543	539	545	538
4	553	554	545	543	539	535	524	520	531	533	525	517	521	527	523	523	523	530	537	539	538	537	535	536	533
5	536	538	538	536	536	536	538	536	535	530	513	510	523	524	520	525	525	525	527	533	538	543	553	542	532
6 D	545	547	550	547	537	520	502	531	532	519	452	394	438	462	472	508	536	578	612	636	626	618	655	620	539
7 D	621	620	611	600	583	578	569	563	547	531	524	523	527	525	522	531	538	542	544	554	554	551	549	552	556
8	556	559	556	548	548	544	544	541	539	538	538	537	539	538	540	538	542	543	544	548	551	553	559	554	546
9	554	546	547	545	543	547	547	544	542	537	535	529	534	528	530	532	537	538	544	549	554	556	556	555	542
10	555	549	553	556	556	548	542	543	543	537	537	539	539	538	532	529	531	541	542	544	538	539	541	543	542
11	543	545	525	532	535	520	522	529	533	526	512	519	525	527	530	532	537	542	547	543	537	535	535	535	532
12 Q	532	533	533	533	533	531	531	529	529	530	530	531	530	533	529	527	526	529	529	531	532	530	533	531	531
13 Q	531	530	529	530	529	530	531	531	531	530	529	526	527	526	524	518	519	523	527	526	527	531	533	533	528
14	532	529	530	531	531	532	523	517	521	519	520	521	521	523	515	513	512	519	525	529	529	527	531	533	525
15	530	529	535	536	528	531	529	525	523	524	523	519	523	525	524	526	518	518	518	521	525	528	529	530	526
16	529	528	529	526	520	520	509	501	510	520	526	525	523	520	521	515	518	519	525	532	537	537	536	533	523
17	532	530	529	532	533	532	518	478	482	513	525	524	522	526	529	523	525	529	533	537	536	536	537	537	525
18	542	538	535	533	530	531	526	518	508	518	524	524	527	523	523	520	526	523	529	531	531	533	541	541	528
19	538	537	537	535	521	519	523	526	529	520	521	525	523	530	531	527	525	526	525	528	532	535	532	532	528
20	532	529	529	532	529	530	531	529	529	529	529	529	531	532	535	529	532	535	535	536	537	535	536	536	532
21 Q	535	532	531	530	524	527	529	530	528	527	526	526	526	528	527	526	524	519	523	527	529	526	526	529	528
22 Q	528	527	527	526	526	527	528	527	524	524	524	524	522	519	520	520	516	519	522	528	529	526	528	532	525
23	532	536	540	538	532	530	528	527	528	527	525	525	525	523	521	510	510	514	516	520	526	525	529	530	526
24 D	533	542	550	558	549	538	532	530	527	526	526	518	517	513	510	511	517	514	538	631	715	485	660	428	540
25 D	532	633	618	578	543	373	278	225	385	373	467	510	487	504	534	562	560	562	566	568	580	592	579	566	507
26	557	554	552	551	550	549	551	546	548	547	547	549	551	549	548	538	536	545	551	556	560	556	553	552	550
27 Q	546	545	545	544	542	543	544	539	540	540	542	543	544	548	545	540	537	540	544	546	547	549	547	543	543
28	544	542	542	541	539	540	533	537	536	537	539	538	540	542	538	537	538	547	552	554	559	566	578	573	546
29																									
30																									
31																									
Mean	546	548	546	543	538	530	523	518	524	523	523	522	523	525	525	526	528	532	537	545	549	542	551	543	534

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 56. Agincourt. February, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	23	17	344	19	40	274	70	23	17	56.7	12	46	28.4	28.3	23	45	654	16	00	512	142
2	21	20	339	07	02	260	79	00	06	50.9	01	08	20.0	30.9	00	14	685	07	22	508	177
3	18	28	318	03	42	279	39	22	18	39.8	04	08	24.2	15.6	05	05	554	14	25	518	36
4	00	31	334	16	55	258	76	00	38	43.2	14	44	28.2	15.0	01	14	561	07	00	509	52
5	19	57	361	16	14	292	69	21	07	45.1	05	31	27.7	17.4	21	37	574	11	15	508	66
6 D	22	37	406	16	50	181	225	12	03	64.3	05	54	17.1	47.2	22	35	735	11	15	376	359
7 D	00	01	309	06	42	237	72	00	05	48.9	09	12	22.8	26.1	00	01	644	11	00	517	127
8	23	05	318	16	32	264	54	21	46	43.1	13	28	30.6	12.5	22	22	561	10	00	537	24
9	22	57	323	18	21	261	62	21	08	45.1	13	33	27.0	18.1	22	56	562	12	10	518	44
10	21	52	320	17	13	253	67	17	36	46.8	13	26	27.0	19.8	03	57	565	16	00	524	41
11	12	07	327	02	18	256	71	06	48	42.2	03	00	04.2	38.0	02	18	562	06	17	498	64
12 Q	23	50	319	16	35	283	36	18	10	39.8	13	30	31.3	8.5	12	59	534	16	21	525	9
13 Q	11	33	322	20	55	296	26	22	12	36.3	15	12	29.8	6.5	21	03	536	16	15	515	21
14	07	12	332	19	28	291	41	17	40	38.7	08	00	29.7	9.0	02	57	533	16	55	508	25
15	22	06	329	14	20	281	48	15	52	39.8	14	24	24.7	15.1	03	40	536	14	20	512	24
16	01	07	326	04	08	260	66	08	18	44.5	04	00	19.8	24.7	21	55	542	07	18	476	66
17	00	01	318	08	32	273	45	08	00	42.9	09	35	24.8	18.1	21	43	539	07	30	465	74
18	20	01	319	23	07	283	36	07	35	44.5	08	52	24.5	20.0	00	25	544	08	30	502	42
19	12	00	319	06	58	275	44	19	06	39.0	05	06	24.1	14.9	00	20	539	05	10	509	30
20	04	28	318	15	45	276	42	17	50	43.1	03	20	24.5	18.6	22	50	537	15	40	526	11
21 Q	04	15	325	15	30	297	28	18	07	38.3	13	10	30.5	7.8	00	10	535	04	30	519	16
22 Q	20	03	323	16	50	281	42	18	25	39.4	13	25	26.4	13.0	23	10	533	16	30	515	18
23	20	47	341	14	28	292	49	21	35	38.8	13	30	24.8	14.0	02	50	539	16	20	507	32
24 D	23	00	568	17	50	180	388	21	30	72.5	21	14	-49.5	122.0	20	53	762	23	53	-023	785
25 D	00	25	493	09	00	-200	693	01	08	117.5	01	47	06.0	111.5	01	08	786	07	07	066	720
26	22	07	297	17	25	248	49	19	00	40.6	13	53	30.2	10.4	20	50	561	16	20	536	25
27 Q	23	59	306	13	50	269	37	18	32	40.3	13	05	29.9	10.4	00	04	549	16	40	533	16
28	06	03	315	16	40	243	72	17	40	46.7	14	52	24.4	22.3	22	30	578	06	10	529	49
29																					
30																					
31																					
Mean			342			248	94			47.5			21.9	25.6			584			473	111
No. days			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, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	297	295	300	299	294	298	290	299	285	292	304	299	289	266	263	257	278	303	304	312	316	328	308	307	295
2	302	293	273	287	277	299	267	281	265	277	289	281	267	262	268	265	268	272	277	296	289	290	298	298	281
3	291	292	303	313	307	288	290	298	288	287	290	288	281	268	282	284	279	283	283	284	303	301	308	302	291
4	294	300	285	263	261	272	260	264	252	256	264	277	275	262	239	260	269	270	289	304	296	317	293	289	276
5	299	282	291	292	292	293	294	283	289	286	287	287	287	279	284	282	284	296	300	309	320	315	299	297	293
6	299	304	306	307	300	296	297	297	299	292	291	280	290	273	280	274	268	273	288	298	291	294	298	306	292
7 Q	307	287	297	301	303	304	304	302	302	304	299	294	292	286	280	284	289	297	306	312	314	315	310	303	300
8	305	297	292	268	253	253	269	287	279	289	297	292	288	279	275	271	273	273	272	289	309	317	316	314	286
9	312	303	307	284	303	302	296	299	289	299	313	317	298	292	286	282	274	273	292	303	309	311	306	309	298
10	312	300	302	299	302	294	299	307	307	310	310	311	307	303	301	289	276	277	287	298	309	294	309	314	301
11	316	311	307	305	306	307	298	307	304	304	312	312	307	300	290	262	255	274	286	300	312	312	313	289	300
12	286	300	301	310	301	298	297	312	307	303	310	308	300	296	282	263	278	283	293	287	296	309	296	291	296
13 Q	303	308	308	306	304	308	308	303	298	314	298	304	304	298	294	288	285	283	286	290	300	306	311	313	301
14	313	317	318	317	308	319	316	317	319	316	316	316	322	314	306	293	300	297	293	293	301	309	311	313	310
15	313	312	312	313	313	298	302	299	303	315	322	316	316	308	302	293	274	293	304	311	322	322	324	317	308
16	308	309	282	272	297	301	307	306	292	304	307	301	291	276	288	283	271	286	296	310	301	306	311	293	296
17	289	290	298	315	307	304	287	293	301	309	308	306	303	301	287	288	284	290	285	288	304	305	311	309	299
18 Q	297	304	310	311	312	309	310	311	313	314	313	313	302	293	285	278	279	282	289	298	305	307	309	310	302
19 Q	312	313	308	308	309	308	311	310	313	313	312	308	303	295	283	278	273	281	296	315	318	320	312	317	305
20	318	312	288	297	311	314	310	310	310	311	310	305	297	291	286	270	268	276	292	305	312	315	314	315	302
21	315	312	313	316	317	307	292	268	255	270	213	291	280	280	260	249	251	268	254	272	299	307	310	310	284
22 D	313	309	302	277	283	283	268	277	246	245	272	263	281	285	261	228	231	246	256	297	297	310	305	298	276
23	301	287	290	285	280	295	295	300	301	283	302	308	303	285	259	219	254	269	280	301	305	319	306	308	289
24	308	304	301	302	305	305	303	303	301	302	307	311	305	285	272	280	277	270	282	292	297	305	318	312	298
25 Q	311	307	302	293	309	302	297	296	299	306	307	304	300	296	291	272	265	267	277	287	305	317	317	304	297
26	300	310	304	305	305	307	311	301	299	308	307	308	307	303	283	272	271	276	284	300	305	315	320	324	301
27 D	310	298	250	263	289	301	306	308	304	294	300	307	307	299	281	263	251	250	272	332	287	346	325	297	294
28 D	300	288	296	305	287	297	298	286	266	269	273	294	287	276	214	195	184	231	298	396	420	428	436	327	298
29 D	331	295	222	137	247	260	129	149	109	139	276	201	223	250	232	231	237	250	280	328	353	320	312	304	242
30 D	289	280	284	266	253	253	251	264	264	260	266	274	270	249	251	259	263	275	302	302	339	314	303	278	275
31	271	285	276	310	283	290	290	292	292	292	278	289	290	284	264	254	274	285	292	317	300	320	310	305	289
Mean	304	301	295	291	295	296	289	291	286	289	296	296	293	285	276	267	267	276	287	304	311	316	314	306	293

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 58. Agincourt. (D.) West. 7° + . . . ′ March, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	36.1	32.8	32.8	34.1	32.8	30.7	32.1	30.5	28.9	35.4	30.0	30.5	27.2	25.2	32.1	32.5	40.6	45.4	41.8	43.2	42.6	41.5	42.6	45.1	35.3
2	38.3	31.3	27.8	26.5	31.3	26.9	28.5	29.6	30.1	32.7	32.6	30.4	28.5	27.1	30.0	32.1	34.5	37.0	37.8	37.1	36.6	35.5	35.6	35.1	32.2
3	34.6	33.1	34.4	34.0	37.4	29.6	29.7	33.7	30.2	34.7	34.6	28.2	27.8	32.8	38.2	37.6	39.2	42.7	40.6	39.7	40.2	41.8	40.7	38.0	35.6
4	38.6	31.0	22.0	29.2	27.6	29.7	28.0	31.5	32.0	28.7	26.1	30.2	28.4	28.7	30.9	36.6	40.6	42.3	43.0	39.4	38.9	34.2	34.7	38.1	32.9
5	39.8	38.3	34.5	34.7	35.5	34.5	32.5	31.7	33.8	35.4	37.0	32.7	28.2	29.8	30.1	33.8	39.2	42.4	43.7	41.9	40.8	39.8	39.0	39.0	36.2
6	38.5	35.1	34.3	31.4	34.0	30.6	32.3	30.7	33.8	30.4	29.7	32.3	34.5	31.7	29.3	34.1	39.0	40.3	40.5	40.6	39.7	39.3	37.9	36.4	34.8
7 Q	36.3	34.3	34.8	32.9	31.5	34.9	34.3	33.4	33.8	33.5	32.8	31.9	30.9	30.4	31.0	33.9	37.3	40.8	41.7	41.2	40.2	39.1	37.3	34.9	35.1
8	32.9	36.5	34.8	32.9	27.9	26.9	32.7	35.9	32.4	33.5	36.9	31.2	28.8	28.0	28.0	29.3	32.1	36.3	40.6	42.9	41.9	40.6	37.9	35.9	34.0
9	34.3	34.5	34.0	33.0	33.2	32.7	31.7	32.7	45.2	28.8	27.0	28.5	29.0	29.0	31.4	32.6	37.5	41.1	44.4	40.0	38.0	37.0	36.1	35.2	34.4
10	34.4	35.6	33.3	34.4	34.3	33.0	32.4	34.4	33.2	34.0	33.9	33.0	32.0	33.9	30.3	32.8	35.6	39.2	39.5	39.4	38.1	37.0	37.0	35.8	34.8
11	34.9	34.0	34.1	34.0	33.8	33.6	34.3	37.1	30.9	32.8	33.7	31.2	30.1	30.1	30.2	29.1	37.7	40.4	41.1	39.7	38.9	36.7	37.6	31.7	34.5
12	33.3	34.6	34.1	28.0	31.1	33.7	33.3	36.4	32.5	35.0	35.6	32.7	30.6	29.0	29.1	34.1	38.3	39.1	40.1	40.7	39.1	37.8	37.7	35.6	34.7
13 Q	35.1	35.2	35.1	35.1	34.5	34.0	33.0	32.8	35.4	39.6	30.6	34.2	32.4	29.5	31.9	32.7	35.1	37.4	38.9	39.4	39.2	38.7	38.0	36.9	35.2
14	35.7	35.2	35.1	34.9	33.2	33.2	33.1	32.8	31.0	31.7	30.2	36.1	35.5	32.2	30.2	31.3	36.9	37.7	38.2	38.9	37.3	36.4	36.5	35.4	34.5
15	35.5	34.8	34.9	35.2	34.3	29.3	20.8	22.0	37.0	34.6	30.7	37.5	37.1	31.3	32.9	34.5	39.2	46.5	41.9	39.7	39.3	36.7	35.6	34.6	35.7
16	35.8	35.8	30.3	16.5	32.8	34.2	34.3	32.8	32.1	45.2	32.9	29.2	32.1	33.2	33.3	35.5	39.2	39.4	38.5	39.2	37.8	35.5	37.0	27.2	34.2
17	24.5	30.5	34.6	39.6	40.5	39.2	45.2	31.9	34.3	31.7	31.9	31.5	30.3	29.9	31.3	35.9	36.9	39.8	40.2	39.0	37.8	36.5	36.4	35.2	35.2
18 Q	34.2	33.6	34.9	34.9	34.7	34.7	34.2	33.5	33.7	33.8	34.2	31.9	29.9	29.9	30.3	32.8	34.4	36.4	36.9	37.7	37.2	37.0	36.7	36.0	34.3
19 Q	35.8	35.3	35.1	34.3	34.7	34.3	34.4	34.1	34.3	33.3	32.9	31.3	29.5	28.3	29.2	33.0	36.4	39.3	40.3	39.3	38.2	36.7	36.2	35.3	34.7
20	34.8	34.4	23.2	32.2	35.3	34.7	34.2	33.2	33.2	32.7	32.3	31.2	29.3	27.2	27.8	31.3	36.6	40.8	41.8	40.6	39.5	37.8	36.5	35.9	34.0
21	35.3	35.2	35.1	34.5	34.5	30.9	31.5	22.2	33.8	36.7	52.2	32.6	25.3	26.4	28.4	32.2	38.3	40.3	45.7	46.5	42.0	39.3	36.8	35.8	35.5
22 D	35.7	34.8	34.3	28.2	27.8	33.5	28.6	30.5	34.1	30.8	27.2	29.1	36.1	37.9	30.5	32.5	36.1	41.9	40.7	38.8	39.7	38.3	32.7	35.2	34.0
23	35.7	30.1	19.2	27.5	31.5	34.1	35.8	34.7	34.1	39.0	38.6	32.9	30.4	28.1	28.6	35.4	42.2	42.1	42.0	43.5	43.9	42.9	41.4	37.7	35.5
24	36.7	35.6	33.5	31.9	31.7	33.1	33.8	35.9	37.5	33.4	31.1	32.2	30.7	28.4	29.6	30.2	33.6	38.6	41.5	42.6	41.4	38.9	36.7	35.8	34.8
25 Q	35.6	35.1	34.6	31.8	33.8	31.5	31.1	30.8	34.4	34.7	32.2	30.2	28.9	28.2	29.6	31.3	35.2	39.7	42.1	42.6	41.3	40.1	38.2	35.1	34.5
26	33.7	35.7	30.7	31.4	34.1	33.1	32.8	28.8	34.1	33.7	30.5	31.4	30.2	29.8	28.1	30.3	35.9	41.1	44.2	44.9	45.2	45.1	41.3	40.9	35.3
27 D	37.2	34.7	20.1	21.9	28.0	31.1	31.7	31.1	29.6	31.2	38.1	36.3	30.8	28.2	27.3	28.8	34.2	37.6	42.9	49.4	47.2	49.4	46.8	42.2	34.9
28 D	42.0	37.7	36.0	36.1	32.7	24.7	30.2	32.2	37.7	35.8	28.5	28.9	29.6	29.3	29.7	35.1	36.2	44.9	39.4	31.1	29.3	28.2	28.2	37.4	33.4
29 D	35.2	29.7	33.1	32.4	24.4	28.4	26.4	31.7	35.7	41.4	29.4	45.7	44.2	37.1	32.0	38.5	37.4	39.1	41.9	38.4	39.1	41.2	41.7	35.2	35.8
30 D	38.2	40.1	31.4	31.9	44.2	41.6	32.7	30.1	38.2	34.3	35.3	33.3	31.2	34.2	34.1	36.2	38.2	37.6	40.2	41.9	37.3	41.4	42.1	39.6	36.9
31	26.2	30.2	29.5	29.6	35.5	35.2	34.1	36.2	32.4	31.2	35.2	35.1	33.4	31.7	33.7	39.2	42.1	41.8	43.5	41.8	40.2	41.6	38.3	38.2	35.7
Mean	35.3	34.4	32.0	31.8	33.2	32.5	32.6	32.5	33.9	34.2	33.1	32.4	31.1	30.2	30.6	33.4	37.3	40.3	41.2	40.7	39.6	38.8	37.8	36.5	34.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 59. Agincourt. (Z.) 56,000 γ + March, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	569	562	557	557	557	553	558	540	531	498	526	540	543	543	536	533	532	532	537	546	546	560	580	589	547
2	581	595	584	587	566	518	517	552	543	543	550	540	547	546	551	542	546	548	550	550	549	547	549	549	552
3	549	548	546	529	517	534	539	548	539	530	523	529	532	526	524	528	536	544	542	545	556	563	583	616	543
4	586	597	542	545	559	555	537	528	506	510	514	518	533	543	546	550	549	556	560	579	576	593	589	578	552
5	580	580	564	558	554	550	546	540	538	534	527	527	543	550	549	541	538	541	550	563	561	557	557	561	550
6	555	547	544	545	535	535	540	538	514	481	481	514	523	533	537	533	528	532	535	546	551	556	555	549	534
7 Q	547	556	555	546	545	540	539	539	539	537	534	532	533	533	533	537	537	540	545	546	544	546	551	555	542
8	558	564	563	557	550	520	492	518	537	529	540	548	551	554	556	545	547	541	545	552	552	546	541	541	544
9	543	543	544	553	527	543	531	490	433	498	527	535	538	539	541	541	541	546	550	553	557	550	543	541	534
10	541	549	546	544	544	544	544	540	540	538	540	543	541	544	538	532	529	537	540	545	556	555	551	546	543
11	544	540	537	539	539	537	523	519	516	502	513	527	535	535	533	526	538	543	543	543	547	547	553	562	535
12	558	549	546	525	525	537	534	524	532	530	529	535	539	537	537	538	534	533	535	539	540	551	555	558	538
13 Q	549	543	539	539	539	537	531	527	499	480	505	525	531	534	532	528	526	521	525	527	534	534	538	537	528
14	537	535	535	538	539	537	534	532	527	526	523	527	525	528	527	531	529	525	527	533	538	539	539	539	532
15	537	538	538	537	534	533	533	533	526	522	522	521	521	528	529	533	531	537	534	538	539	540	539	539	533
16	540	539	547	546	545	540	534	521	498	466	486	520	532	540	545	539	539	543	547	550	549	545	550	557	534
17	545	550	548	514	501	490	467	504	527	530	533	537	538	538	537	537	534	538	541	540	544	543	539	541	530
18 Q	540	539	539	537	534	536	535	534	528	527	527	527	532	537	535	528	527	532	539	540	539	539	539	539	534
19 Q	538	538	537	535	534	536	535	534	533	532	531	535	537	537	531	531	531	532	538	540	537	534	536	537	535
20	534	535	531	537	535	535	535	537	534	534	536	537	538	537	530	522	529	539	539	538	533	534	537	534	535
21	533	533	532	532	532	513	495	444	413	430	395	478	513	533	532	526	527	542	556	557	550	545	538	539	512
22 D	538	538	540	539	536	500	494	507	456	460	483	519	503	498	507	513	536	537	556	566	560	569	569	552	524
23	548	551	524	524	536	525	520	524	526	509	524	533	533	536	534	533	536	528	530	539	550	567	562	563	536
24	552	543	542	538	530	524	519	510	503	515	531	538	538	538	540	537	530	527	536	542	545	550	550	545	534
25 Q	542	543	546	544	536	533	529	536	533	527	528	530	532	532	530	521	524	530	533	538	544	544	551	553	536
26	554	550	543	542	546	539	533	533	525	512	520	526	526	527	527	522	521	525	536	544	544	554	556	563	536
27 D	561	555	555	550	550	545	538	532	521	521	519	521	527	534	534	533	538	542	548	597	597	601	643	579	552
28 D	578	583	557	546	536	523	538	527	460	454	468	513	519	520	525	540	545	598	669	729	727	725	636	668	570
29 D	697	694	608	389	537	539	539	416	430	407	507	507	498	529	549	566	575	575	583	621	622	615	622	596	545
30 D	591	580	527	530	473	519	492	518	508	503	518	542	549	538	545	544	544	556	562	571	610	615	591	574	543
31	565	546	558	520	539	546	543	533	529	523	526	542	550	548	548	542	536	535	542	556	556	571	584	591	547
Mean	557	556	547	536	536	530	523	522	510	507	516	526	532	535	536	534	536	540	547	557	559	562	562	560	539

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 60. Agincourt. March, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	28	351	15	20	251	100	23	52	48.5	13	16	18.0	30.5	22	46	602	09	30	463	139
2	03	15	350	08	54	240	110	02	56	49.1	02	04	15.5	33.6	03	05	713	06	08	454	259
3	04	00	338	13	42	259	79	23	09	47.0	05	52	21.1	25.9	23	55	637	04	09	507	130
4	21	35	343	14	46	227	116	00	35	50.0	02	10	10.9	39.1	02	10	621	08	54	494	127
5	20	10	328	13	42	273	55	18	35	45.3	13	03	26.8	18.5	01	05	586	11	13	517	69
6	03	53	311	13	25	259	52	00	12	41.5	09	28	26.7	14.8	00	01	561	09	20	471	90
7 Q	21	44	320	01	43	274	46	18	12	41.7	04	16	27.2	14.5	02	04	563	13	00	532	31
8	21	30	323	05	50	232	91	19	22	43.6	04	59	21.2	22.4	01	47	569	06	27	484	85
9	10	42	321	17	38	256	65	08	10	56.5	09	50	23.0	33.5	19	43	558	08	17	381	177
10	02	47	320	16	28	270	50	19	00	40.0	02	40	27.4	12.6	21	45	559	16	20	522	37
11	20	50	326	16	26	243	83	07	01	41.6	15	32	26.1	15.5	23	20	573	09	35	497	76
12	03	55	320	15	30	250	70	19	53	41.4	03	50	23.1	18.3	00	27	569	04	01	508	61
13 Q	09	37	319	17	20	281	38	09	37	40.4	10	38	25.4	15.0	00	01	551	09	33	479	72
14	12	48	327	15	57	286	41	19	16	39.6	15	13	28.2	11.4	21	32	541	11	40	517	24
15	22	18	346	17	00	262	84	17	47	48.9	05	18	25.2	23.7	23	17	545	09	19	514	31
16	22	10	335	02	53	241	94	09	28	49.6	03	13	08.5	41.1	23	29	563	09	26	451	112
17	03	20	332	00	54	273	59	06	33	51.9	00	19	21.8	30.0	01	15	552	06	34	450	102
18 Q	09	20	319	15	12	275	44	19	32	37.7	13	24	28.5	9.2	00	20	541	09	22	520	21
19 Q	20	46	329	16	25	271	58	17	52	40.4	13	14	27.5	12.9	19	00	544	16	20	524	20
20	00	28	322	16	07	262	60	17	43	42.3	03	47	-00.3	42.6	19	55	539	02	45	516	23
21	04	50	320	10	22	155	165	10	25	64.6	07	44	19.7	44.9	18	38	560	08	52	349	211
22 D	00	34	323	15	58	198	125	17	35	44.3	06	00	21.7	22.6	22	00	580	08	15	434	146
23	21	27	324	15	15	213	111	20	55	44.7	02	28	11.1	33.6	21	35	572	09	30	491	81
24	22	12	326	14	17	262	64	18	58	43.2	03	07	25.9	17.3	22	00	560	08	35	498	62
25 Q	21	25	321	16	51	263	58	19	08	43.4	09	35	27.1	16.3	23	59	555	16	00	519	36
26	23	28	339	16	01	267	72	20	50	46.2	02	52	21.6	24.6	23	50	566	09	30	498	68
27 D	19	54	373	02	54	232	141	19	12	53.2	03	20	11.2	42.0	22	17	669	10	38	513	156
28 D	22	25	487	16	37	174	313	22	34	52.1	22	18	-03.2	55.3	22	15	799	22	46	380	419
29 D	20	45	376	03	45	-029	405	03	40	97.4	03	04	15.0	82.4	01	04	749	03	37	137	612
30 D	20	20	381	05	24	220	161	01	55	62.7	02	17	21.1	41.6	21	09	644	05	05	432	212
31	21	05	330	00	30	246	84	18	32	44.1	02	58	13.6	30.5	23	59	598	10	07	508	90
Mean			338			238	100			48.2			19.9	28.3			592			470	122
No. days			31			31	31			31			31	31			31			31	31

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 61. Agincourt. (H.) 15,000 γ + April, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	284	270	259	285	274	269	274	279	258	255	285	290	286	276	249	256	254	280	297	305	309	303	310	297	279
2	285	292	283	278	292	291	297	299	301	304	303	294	283	272	264	260	260	272	293	296	305	318	323	301	290
3	298	300	295	285	285	298	301	300	294	295	305	303	276	266	268	252	258	271	284	305	329	331	331	311	294
4	291	287	292	292	285	287	291	283	294	296	302	300	292	276	272	258	262	274	295	311	322	298	292	292	289
5	289	284	284	291	289	300	291	296	307	322	306	313	300	277	278	264	259	267	276	289	295	302	309	313	292
6 Q	312	310	308	308	304	293	293	304	303	309	312	311	306	305	292	280	284	292	299	307	316	316	320	319	304
7 Q	319	315	311	314	312	310	311	315	317	318	316	316	314	302	288	262	262	266	287	298	310	316	322	317	305
8	314	313	310	312	314	313	310	313	319	324	322	319	313	307	294	275	273	284	303	321	357	313	324	308	310
9	317	310	292	306	310	308	319	315	314	320	316	313	303	292	282	275	276	286	296	312	327	335	311	309	306
10	293	304	306	314	322	321	288	292	254	270	306	307	269	249	273	263	255	260	283	291	321	304	308	303	290
11	309	302	306	306	313	300	303	307	303	298	302	286	298	276	256	257	263	269	298	306	307	324	336	307	297
12	305	314	301	273	298	296	280	269	273	288	272	288	286	284	281	275	279	291	305	317	329	319	323	317	294
13 Q	301	299	309	308	306	310	315	291	302	306	305	300	292	282	260	252	260	273	289	293	302	314	320	319	296
14	318	308	318	306	308	311	310	310	308	307	307	315	303	281	258	238	248	257	287	298	320	318	316	306	298
15 Q	313	308	307	312	310	310	315	313	309	309	305	307	300	282	270	267	276	289	300	308	312	321	318	313	303
16 Q	313	310	307	305	302	306	309	313	314	314	314	311	305	290	273	267	274	282	295	305	319	341	348	329	306
17 D	328	326	371	213	370	301	068	-105	-028	098	095	075	156	117	048	089	204	259	278	307	421	457	251	254	206
18 D	255	254	257	258	262	265	270	193	194	266	277	260	192	215	202	211	235	276	322	340	309	330	304	277	259
19	267	286	296	286	289	291	281	285	281	289	286	274	260	220	203	196	233	306	335	327	346	337	320	309	283
20	304	296	267	272	286	262	270	269	204	224	249	277	276	265	244	239	243	261	278	296	308	332	327	307	273
21	276	280	268	280	280	270	254	271	292	281	285	285	273	274	258	238	237	214	262	293	326	358	339	322	280
22	333	310	300	287	289	288	285	285	288	285	280	287	281	271	255	235	246	255	281	329	325	312	334	316	290
23 D	319	300	293	302	285	231	-035	-209	-023	073	080	073	187	219	117	159	251	257	267	363	345	340	321	307	201
24 D	282	291	291	290	283	287	288	286	280	278	273	280	273	275	265	266	269	269	324	453	583	583	460	532	331
25 D	481	175	208	247	224	219	183	146	188	198	178	140	229	239	203	215	229	275	294	346	316	316	351	337	248
26	302	279	273	276	279	275	274	279	279	283	280	281	274	274	244	240	246	262	279	287	295	301	310	302	278
27	299	298	295	293	294	293	294	297	297	288	289	292	286	274	274	256	269	280	289	291	294	348	383	355	297
28	302	298	301	293	291	287	281	287	281	281	282	272	279	262	261	266	272	290	302	314	333	341	330	322	293
29	305	297	303	297	294	297	297	301	301	277	269	277	271	264	262	262	277	289	299	315	324	318	315	327	293
30	301	293	300	303	302	301	300	301	298	301	303	301	289	271	251	269	282	297	314	321	304	306	298	304	296
31																									
Mean	307	294	294	290	295	290	271	256	263	275	277	275	275	266	248	245	258	274	294	315	330	335	325	318	286

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 62. Agincourt. (D.) West. 7° + . . . ′ April, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	33.4	29.1	35.1	32.9	32.2	34.1	30.3	26.6	25.0	29.4	30.3	31.4	28.2	29.6	34.4	39.7	42.2	40.2	41.2	38.7	40.4	41.4	34.9	34.0
2	31.9	34.2	36.2	30.4	32.2	32.1	34.7	34.1	34.4	34.2	33.7	35.7	31.6	29.4	30.8	32.6	37.2	41.2	41.2	41.8	41.9	39.2	39.7	31.1	35.1
3	36.6	35.1	32.8	31.2	32.8	35.2	34.6	33.3	39.1	32.1	32.8	30.7	29.6	32.2	31.5	36.2	41.1	43.9	46.4	44.9	44.1	44.2	45.1	44.1	37.1
4	42.9	39.0	31.6	31.3	32.6	32.2	31.7	39.1	35.2	32.1	33.2	31.7	30.2	28.3	29.6	32.6	37.1	40.2	43.2	46.7	49.4	43.1	39.5	37.2	36.2
5	36.2	34.8	27.2	26.5	29.2	35.3	36.1	34.4	41.4	34.1	31.3	32.3	27.7	27.1	30.2	33.8	38.4	42.2	44.2	44.9	42.9	40.2	38.2	36.7	35.2
6 Q	36.2	35.7	35.2	34.9	34.4	35.6	38.0	31.2	30.9	32.8	32.1	31.0	29.9	30.2	31.0	35.2	39.1	42.2	44.2	44.4	42.7	40.1	36.8	35.2	35.8
7 Q	34.7	34.3	33.7	34.1	34.3	33.6	30.6	33.2	33.1	32.6	32.6	31.1	28.0	27.1	27.0	28.0	34.1	38.7	42.1	44.1	42.0	39.5	37.0	35.3	34.2
8	34.5	34.3	34.3	34.3	35.8	34.4	34.1	35.1	32.1	31.6	31.9	31.7	32.0	30.0	29.0	33.7	37.4	39.7	42.2	44.6	40.6	39.4	37.1	35.0	35.2
9	35.0	34.6	32.6	35.0	35.7	32.6	33.0	29.9	29.9	31.2	29.7	29.1	27.0	28.8	29.2	31.8	36.1	40.4	43.7	42.3	41.4	39.3	38.1	35.5	34.3
10	16.6	33.0	35.3	35.9	25.6	32.9	31.6	37.0	43.0	28.6	28.8	29.1	32.2	40.6	35.1	38.3	40.3	42.1	41.8	40.1	38.6	38.4	35.8	22.6	34.3
11	28.4	36.5	34.6	30.6	31.1	33.6	33.5	32.6	36.6	44.0	37.0	36.4	29.1	31.0	32.4	37.2	39.1	39.8	37.1	40.1	40.1	34.6	36.0	36.7	35.3
12	34.0	26.5	30.1	32.7	38.0	35.0	35.3	34.3	39.7	31.8	33.3	31.8	33.6	33.1	34.0	36.7	39.0	39.5	39.8	40.3	39.8	39.3	37.4	36.1	35.5
13 Q	34.3	30.3	35.0	36.1	35.0	35.0	32.7	39.0	33.0	28.9	30.0	30.0	29.2	29.5	30.7	34.4	38.3	39.5	39.8	40.6	39.8	38.0	37.2	36.3	34.7
14	35.8	31.8	30.0	30.3	34.3	35.1	33.9	33.2	33.0	32.6	31.8	30.8	26.7	25.6	25.7	31.0	37.2	40.7	42.8	43.9	42.0	39.8	38.1	37.0	34.3
15 Q	35.9	33.8	33.1	34.1	35.0	34.3	36.9	35.5	31.9	32.3	34.1	31.0	29.1	28.9	31.8	35.7	38.0	41.0	42.3	41.9	40.8	38.8	36.9	36.0	35.4
16 Q	35.2	35.0	35.2	34.3	33.9	34.6	34.8	35.1	34.0	32.5	31.8	30.0	27.9	26.6	37.8	33.7	39.2	42.6	44.6	45.0	42.1	39.3	37.6	37.0	35.4
17 D	34.6	34.4	36.8	40.2	39.0	33.9	52.1	42.0	39.0	25.3	20.2	35.6	37.0	30.6	35.8	53.0	50.1	49.5	44.2	37.7	28.5	28.3	37.8	36.3	37.6
18 D	36.2	36.7	36.8	34.8	36.0	34.9	36.2	46.3	47.2	29.3	29.2	31.3	35.9	38.1	41.0	33.5	40.9	38.6	36.7	32.9	39.9	40.0	38.7	31.9	36.8
19	31.8	32.3	32.9	37.8	32.8	34.4	30.6	26.9	28.8	29.0	27.2	26.7	24.9	33.0	49.1	51.0	51.0	43.6	41.8	45.0	39.5	39.1	38.3	37.1	36.0
20	36.9	34.1	29.3	33.7	29.0	33.9	36.0	36.8	45.0	38.1	26.6	26.0	32.0	27.7	31.0	37.6	37.9	40.2	43.9	42.6	44.0	40.2	37.5	33.9	35.6
21	33.1	31.9	29.9	32.8	33.4	29.7	31.8	36.9	38.0	39.0	32.9	32.7	37.3	36.7	34.3	38.2	41.9	47.5	47.7	44.7	42.3	39.7	37.0	34.5	36.8
22	32.0	34.9	37.4	36.7	37.1	36.1	36.0	35.4	34.6	33.9	32.5	28.9	24.9	27.6	32.8	36.9	41.2	41.9	38.0	35.5	39.3	40.1	39.0	39.3	35.5
23 D	36.6	37.7	34.7	21.6	22.6	34.0	37.3	46.9	30.6	03.9	21.1	45.8	31.9	21.9	34.6	28.3	42.2	40.0	39.3	31.5	36.4	34.8	35.0	33.9	32.6
24 D	31.2	34.6	32.6	34.7	35.5	35.9	36.0	35.0	36.7	37.0	35.8	31.0	29.6	28.8	31.6	33.1	36.6	31.0	14.6	-05.3	39.5	32.3	34.8	46.9	32.1
25 D	55.9	50.3	18.6	38.0	42.3	49.6	52.5	52.8	46.0	32.2	44.5	53.1	27.7	29.1	33.0	33.6	34.1	35.0	39.0	32.7	39.3	37.1	35.0	29.5	39.2
26	29.3	36.7	33.1	33.9	35.1	37.3	37.0	36.8	36.6	35.7	33.9	31.2	29.8	28.5	29.8	33.6	37.3	41.6	42.7	43.5	43.0	40.5	37.5	36.6	35.5
27	36.6	36.9	36.2	36.3	36.5	36.4	35.8	35.3	35.1	37.1	36.4	31.5	28.2	28.5	31.2	34.5	40.6	45.5	45.2	44.1	42.0	39.7	40.0	28.6	36.6
28	34.6	37.7	36.8	37.9	38.5	40.0	34.0	34.2	34.6	33.5	31.6	29.5	29.7	29.5	34.6	35.0	36.7	40.0	40.6	41.0	40.0	40.0	37.6	34.0	35.9
29	36.6	37.1	34.8	26.0	33.5	35.7	35.5	34.7	35.3	41.1	38.0	29.9	27.7	28.6	30.1	35.0	41.0	44.8	44.7	43.9	41.8	39.8	36.8	32.1	36.0
30	34.1	34.7	33.7	34.9	35.7	35.5	34.8	34.2	34.0	33.6	31.2	28.5	26.7	28.8	30.0	39.5	40.6	42.1	45.0	41.9	41.2	39.0	37.7	36.0	35.6
31																									
Mean	34.4	35.1	33.0	33.5	34.0	35.0	35.7	36.1	35.8	32.2	31.8	32.1	30.0	29.8	32.1	35.6	39.4	41.2	41.3	40.0	40.8	38.8	37.8	35.2	35.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 63. Agincourt. (Z.) 56,000 γ + April, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	609	596	538	539	483	464	500	486	464	509	526	529	535	544	538	532	531	539	555	582	577	572	572	591	538
2	573	580	577	532	535	538	541	547	548	544	544	538	542	539	541	535	541	544	552	549	556	561	565	585	551
3	562	553	553	554	548	542	535	529	472	502	535	537	538	541	542	541	543	542	549	559	565	572	589	602	546
4	597	579	559	545	554	548	543	525	519	532	543	547	548	548	547	541	538	543	550	562	577	614	577	556	554
5	561	561	539	525	541	550	530	508	515	524	530	536	538	539	539	539	541	545	548	550	547	548	548	547	539
6 Q	545	543	542	541	542	526	515	538	541	542	542	542	541	541	541	536	536	539	542	541	541	541	541	539	539
7 Q	539	536	536	536	536	529	527	535	535	535	535	535	535	533	533	535	537	536	543	545	544	547	544	541	537
8	537	537	537	535	518	523	527	520	523	525	529	531	530	525	524	520	520	524	535	538	550	544	547	539	531
9	536	544	545	537	529	535	523	518	525	527	531	533	529	528	526	522	523	526	535	543	543	553	547	555	534
10	547	536	542	531	501	495	522	515	418	477	463	529	517	516	515	523	530	536	550	564	573	558	554	583	525
11	560	548	538	529	522	529	535	520	493	464	472	496	514	522	528	525	529	537	567	572	566	572	570	554	532
12	548	532	520	460	459	472	466	435	463	502	505	526	528	537	537	530	534	532	531	534	540	538	542	543	513
13 Q	540	538	534	531	531	525	507	478	511	525	527	529	528	531	534	534	534	532	535	540	538	542	542	541	530
14	536	534	519	520	532	534	530	528	529	531	531	531	532	532	534	529	531	534	538	543	547	552	547	542	534
15 Q	538	536	535	532	534	531	522	523	529	530	532	534	532	532	534	534	536	538	541	545	550	554	549	543	536
16 Q	542	540	537	536	538	537	536	532	531	532	536	538	536	536	536	537	540	542	546	548	549	552	548	542	540
17 D	547	544	535	496	605	558	560	440	393	350	393	385	417	419	424	507	589	572	585	599	697	625	578	567	516
18 D	563	559	557	559	553	553	545	445	442	522	533	545	519	527	534	576	593	611	636	663	616	609	608	634	562
19	596	589	592	534	524	531	495	527	553	557	554	551	539	524	507	523	541	604	611	608	619	608	593	607	563
20	643	569	549	560	529	522	534	531	469	464	504	523	536	536	541	536	549	557	560	578	585	604	605	607	550
21	603	569	546	562	557	540	516	512	503	484	525	531	520	520	534	544	565	589	598	605	612	622	606	592	556
22	577	566	570	577	559	553	553	554	553	552	551	549	549	539	537	549	554	557	589	618	593	582	594	607	565
23 D	623	636	601	611	568	494	646	637	461	440	416	440	463	520	507	588	543	574	615	682	621	593	575	582	560
24 D	574	562	558	550	548	548	548	548	545	539	539	544	544	548	548	554	556	567	628	664	416	577	676	676	565
25 D	561	497	491	569	581	505	522	461	492	497	506	487	566	575	576	571	593	597	605	630	594	593	612	618	554
26	562	564	552	559	556	559	558	558	558	559	562	562	556	556	553	544	546	552	558	564	564	566	569	559	558
27	553	550	552	548	550	551	552	550	545	535	542	546	551	551	552	546	551	552	550	552	557	575	612	592	555
28	574	574	584	578	573	509	516	533	539	543	548	547	544	538	535	533	539	546	557	564	578	584	496	578	555
29	558	550	546	525	538	551	549	545	539	525	516	528	527	527	526	527	534	543	555	561	567	564	569	567	543
30	557	555	544	539	540	543	543	544	546	549	551	546	545	543	539	538	539	550	567	568	563	561	549	548	548
31																									
Mean	565	553	547	541	539	529	533	520	508	513	520	526	530	532	531	538	544	552	564	575	570	572	574	574	544

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 64. Agincourt. April, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	05	326	02	23	229	97	17	08	45.2	02	47	11.1	34.1	00	50	630	04	49	430	200
2	21	50	331	16	06	250	81	17	58	43.1	03	24	23.9	19.2	23	12	606	03	45	514	92
3	20	45	336	16	00	251	85	18	14	47.1	12	50	28.1	19.0	23	38	612	08	45	460	152
4	20	25	362	15	34	252	110	20	17	53.6	03	03	21.5	32.1	21	30	631	07	55	512	119
5	09	25	325	16	04	255	70	19	36	45.4	02	46	06.6	38.8	01	29	568	03	02	484	84
6 Q	20	33	328	16	03	277	51	06	08	44.6	12	32	28.6	16.0	00	01	545	06	05	497	48
7 Q	22	20	326	17	03	253	73	19	17	44.3	15	10	25.5	18.8	21	40	549	06	15	523	26
8	20	33	395	16	22	265	130	19	24	46.3	14	07	27.1	19.2	20	28	562	04	54	506	56
9	21	27	371	16	29	255	116	18	56	45.4	13	31	24.1	21.3	21	13	562	07	10	511	51
10	23	08	343	13	07	221	122	08	17	46.1	23	57	-10.7	56.8	23	52	617	08	32	394	223
11	22	18	358	14	42	237	121	09	32	47.1	00	01	-10.0	57.1	00	01	589	10	10	437	152
12	20	15	349	03	42	242	107	08	20	45.9	01	46	17.6	28.3	00	08	551	03	56	413	138
13 Q	23	05	324	15	05	245	79	07	42	44.9	12	30	26.8	18.1	21	25	543	07	40	460	83
14	20	40	333	15	38	229	104	19	20	45.0	13	59	23.3	21.7	21	10	554	02	42	507	47
15 Q	21	27	325	15	20	263	62	18	36	42.3	13	07	27.3	15.0	21	25	554	06	45	517	37
16 Q	22	30	367	15	15	266	101	19	10	45.6	13	22	25.9	19.7	21	34	560	07	40	528	32
17 D	21	00	560	07	30	-131	691	06	08	103.7	10	44	08.1	95.6	07	56	1043	06	32	-237	1280
18 D	21	47	391	07	59	083	308	08	07	55.9	19	21	23.7	32.2	19	17	696	08	00	297	399
19	20	20	378	15	03	174	204	14	45	53.8	12	26	20.2	33.6	18	05	659	06	15	458	201
20	21	43	342	08	54	176	166	01	42	50.9	01	13	15.9	35.0	01	15	681	08	52	427	254
21	21	11	365	17	17	196	169	17	12	48.9	05	43	25.0	23.9	21	10	625	09	19	470	155
22	00	26	351	15	28	222	129	02	12	46.8	00	42	21.6	25.2	19	18	629	02	00	529	100
23 D	19	27	401	07	00	-210	611	07	43	84.8	09	20	-10.3	95.1	07	57	784	06	40	015	769
24 D	23	30	685	18	18	192	493	20	18	108.8	19	50	-48.7	157.5	19	40	1142	20	20	490	652
25 D	00	05	583	00	55	041	542	01	13	118.3	02	36	04.3	114.0	00	15	740	00	56	252	488
26	00	02	346	16	02	228	118	19	43	43.7	00	42	18.0	25.7	00	01	599	16	00	535	64
27	23	14	452	15	22	246	206	17	07	45.7	19	13	11.8	33.9	23	07	705	09	23	533	172
28	21	30	352	13	46	249	103	05	32	46.3	00	05	24.7	21.6	22	55	611	05	47	488	123
29	23	10	341	15	15	251	90	18	45	46.6	03	40	20.6	26.0	23	00	581	10	15	505	76
30	19	15	327	14	41	244	83	18	17	46.9	12	39	25.7	21.2	19	10	573	14	25	534	39
31																					
Mean			379			198	181			54.4			15.2	39.2			643			433	210
No. days			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, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	304	297	304	306	304	301	301	286	283	272	266	255	212	174	185	309	237	253	306	387	477	525	504	418	307
2 D	321	314	178	274	242	188	051	049	269	250	223	037	029	025	024	034	258	278	294	294	289	319	318	301	241
3	295	254	240	255	248	247	240	251	270	268	252	278	268	257	236	249	258	281	294	319	314	310	314	331	272
4	293	297	295	297	295	300	303	297	300	297	300	297	292	277	262	262	268	290	294	305	310	313	313	311	295
5	315	315	311	299	304	292	282	302	300	295	302	304	297	285	278	265	273	287	300	300	323	373	376	365	306
6 D	379	355	348	337	328	321	326	331	323	322	292	309	262	214	295	270	282	297	303	319	370	388	421	405	325
7 D	324	293	258	231	227	232	110	248	263	290	205	232	268	246	233	238	268	289	299	305	304	319	338	355	266
8 D	316	338	305	282	282	277	207	244	273	281	259	288	295	262	262	274	281	287	277	292	319	348	348	326	289
9	315	304	306	211	303	292	287	296	294	267	271	283	291	286	286	281	272	296	302	303	312	314	317	318	292
10	315	311	311	318	312	311	306	308	313	302	305	310	306	294	291	289	291	302	317	320	317	316	312	314	308
11 Q	317	312	317	314	317	320	317	316	317	312	310	302	310	302	300	295	309	320	325	326	329	320	318	318	314
12 Q	313	311	313	317	317	315	317	322	317	312	312	312	307	302	296	288	288	296	317	333	331	327	333	325	313
13 Q	317	316	316	316	315	316	316	314	303	306	314	306	295	295	275	273	282	298	313	329	340	314	308	314	308
14 Q	312	312	314	316	311	316	321	321	312	312	316	318	316	308	306	313	322	322	331	334	334	332	337	331	319
15	324	331	339	329	321	306	301	295	309	298	296	285	270	267	271	291	300	306	319	324	322	314	309	323	306
16	328	336	335	316	308	258	275	138	246	203	276	298	282	266	255	254	270	290	314	319	324	306	306	311	284
17	313	312	312	315	315	314	312	315	310	306	306	301	288	280	266	261	270	292	312	345	354	348	333	341	309
18	316	283	284	281	283	293	300	302	305	305	300	290	275	273	259	260	268	291	300	308	314	329	334	334	295
19	309	299	309	297	284	297	284	281	293	295	297	294	285	279	274	279	294	307	310	319	333	351	339	340	302
20	322	287	286	272	261	246	276	286	254	287	290	288	294	275	257	244	251	283	308	320	330	325	335	335	293
21	313	309	306	297	295	289	283	297	305	310	310	305	289	270	264	253	290	309	323	322	331	354	381	349	307
22	362	382	311	296	280	272	275	296	232	234	255	278	274	264	243	249	279	297	301	308	321	364	364	342	295
23	309	313	289	279	279	286	283	236	279	292	276	375	279	278	263	245	253	285	321	330	374	354	399	366	297
24	308	292	279	274	258	218	285	299	298	300	300	295	288	289	253	275	291	310	343	355	379	356	325	320	300
25	325	305	282	286	293	292	298	288	290	288	297	278	266	258	244	254	298	301	309	330	339	348	365	341	299
26	314	294	286	278	263	240	248	282	287	270	277	278	274	257	245	250	297	312	327	339	350	328	324	314	289
27	327	313	314	296	290	296	284	286	290	292	286	285	282	266	256	255	263	294	309	319	329	353	368	350	300
28	354	326	304	320	318	311	300	294	305	317	317	309	304	301	289	280	284	293	320	333	349	362	369	375	318
29	377	368	332	312	292	355	272	235	257	290	295	274	270	287	284	268	272	277	291	306	342	313	327	305	300
30	307	305	306	308	307	310	317	313	312	311	305	308	312	308	306	297	293	303	319	332	335	335	328	322	312
31 Q	324	321	322	308	307	303	310	304	314	323	321	316	308	299	292	279	277	287	308	336	349	372	341	326	314
Mean	321	313	300	295	292	288	277	277	291	291	288	289	283	272	266	265	278	295	310	323	337	343	345	336	299

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 66. Agincourt. (D.) West. 7° + . . . ′ May, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	34.5	32.2	31.2	31.9	32.7	33.7	33.6	28.6	26.2	33.6	27.7	22.2	39.3	30.5	48.8	42.6	41.1	46.7	39.7	31.8	31.0	27.0	25.6	27.7	33.3
2 D	26.0	27.8	38.3	33.6	30.2	23.5	42.2	31.3	25.3	29.8	32.8	27.0	27.1	32.3	33.0	40.0	45.9	44.7	40.0	41.9	42.7	38.7	36.3	35.0	34.4
3	31.0	23.8	21.7	27.9	31.0	32.2	30.0	29.1	32.9	32.5	36.8	28.1	27.2	30.3	34.6	41.0	42.5	43.9	43.7	38.7	39.3	37.9	35.2	31.9	33.5
4	32.2	35.1	33.9	34.8	34.6	37.3	36.9	34.3	34.6	32.6	29.7	27.7	27.4	27.1	30.3	32.2	37.7	41.7	44.6	44.0	42.7	41.0	39.0	36.7	35.3
5	36.1	35.5	33.8	31.9	29.0	31.0	26.5	33.1	40.0	39.0	30.4	26.0	24.8	25.8	27.1	28.3	35.0	38.6	38.6	41.2	40.0	39.3	41.8	39.1	33.8
6 D	38.0	37.7	34.2	30.7	29.1	27.1	30.6	31.5	30.8	30.3	31.9	25.5	27.1	42.2	47.5	38.3	37.1	41.0	41.5	38.9	35.8	35.8	31.1	31.8	34.4
7 D	28.2	25.6	18.6	17.1	22.1	27.4	35.3	22.4	29.3	26.6	41.6	33.2	23.5	26.5	32.6	34.5	38.1	39.7	39.5	38.6	39.0	37.9	36.5	36.1	31.3
8 D	19.8	29.0	24.6	29.0	37.1	32.6	50.5	36.1	27.5	30.9	32.5	28.1	29.1	26.9	36.7	35.1	37.0	39.3	39.0	39.3	39.7	37.2	33.6	35.1	33.6
9	34.9	33.1	30.6	47.4	29.5	31.1	37.7	36.4	37.0	45.3	38.1	33.0	31.0	32.9	32.7	35.0	35.6	36.7	36.5	37.8	37.9	36.7	35.4	35.0	35.7
10	35.5	34.0	32.2	34.3	34.0	33.2	34.0	33.6	34.0	32.4	31.4	28.9	28.1	27.8	30.4	31.9	35.1	40.7	40.0	39.0	39.2	38.8	38.0	36.7	34.3
11 Q	35.6	36.1	35.6	34.7	33.1	31.7	32.6	33.6	34.6	34.1	33.3	36.7	33.2	31.0	35.9	38.3	40.5	40.8	41.1	40.6	39.5	39.0	38.1	36.7	36.1
12 Q	35.1	35.6	35.4	35.1	34.4	31.1	34.5	37.0	33.1	31.8	30.1	29.7	30.7	31.6	31.1	34.1	37.3	39.3	39.6	38.3	38.0	35.8	34.6	34.0	34.5
13 Q	34.6	35.0	34.7	33.9	34.1	33.2	35.8	37.0	32.2	31.4	27.4	24.5	25.0	27.6	29.8	34.5	38.5	41.2	42.0	40.0	38.1	38.5	37.1	34.7	34.2
14 Q	33.6	34.0	33.7	34.0	34.0	33.6	32.3	32.5	33.1	31.6	29.0	26.8	26.3	27.7	32.4	36.0	39.5	41.8	42.6	41.6	39.1	38.0	36.0	35.5	34.4
15	35.9	35.9	35.8	34.0	33.7	30.1	27.8	30.3	33.0	26.7	20.1	20.5	22.2	23.5	31.1	34.3	38.6	40.3	42.0	41.3	39.3	38.5	36.0	34.0	32.7
16	35.1	37.0	36.1	25.2	26.2	25.3	29.5	59.8	21.3	27.4	25.6	21.3	23.3	28.2	34.9	40.3	43.5	45.2	44.0	43.0	39.1	37.4	35.0	34.6	34.1
17	35.7	36.7	36.4	35.2	35.9	34.8	34.6	31.9	31.7	31.2	28.6	26.2	27.3	29.4	32.9	39.5	43.2	45.9	47.1	42.2	37.3	34.7	33.1	30.8	35.1
18	29.8	27.4	29.1	29.4	29.2	31.8	34.7	34.4	32.3	30.1	27.4	23.1	22.1	24.0	26.9	35.4	38.2	40.1	42.1	40.1	37.5	36.0	34.8	35.1	32.1
19	35.0	31.0	31.9	28.3	32.1	28.8	34.1	40.1	34.7	28.8	24.6	22.3	22.3	24.2	28.9	33.9	39.8	44.6	45.0	44.2	40.1	37.1	34.1	32.8	33.3
20	37.3	35.9	26.9	31.8	22.9	35.6	38.2	31.1	46.9	33.7	27.8	24.1	22.2	23.7	26.6	34.7	42.7	44.1	43.4	41.1	39.8	37.5	34.7	35.1	34.1
21	36.2	36.7	35.4	33.6	31.9	30.9	29.7	32.0	33.2	30.6	25.6	22.9	21.2	22.8	29.2	34.5	40.8	40.1	45.1	44.6	43.8	39.1	35.2	32.7	33.7
22	32.1	31.3	20.7	36.1	31.6	32.7	26.2	30.2	40.7	31.3	27.2	24.1	19.9	24.1	29.4	37.9	42.0	40.2	41.7	40.8	38.2	37.0	36.7	31.7	32.7
23	33.8	31.4	28.5	29.7	36.0	25.8	31.9	35.9	40.4	28.7	25.1	30.9	25.5	27.2	27.1	31.7	38.0	41.5	43.7	43.1	39.1	38.0	33.9	27.9	33.1
24	31.9	38.8	25.0	36.0	31.9	47.7	32.5	34.9	34.6	32.7	29.9	27.0	27.0	27.2	28.1	38.4	40.6	40.8	37.5	37.8	34.9	33.0	34.0	32.4	34.0
25	33.6	29.1	34.2	30.2	34.9	33.4	36.1	38.7	33.2	31.6	30.2	27.1	28.9	27.9	31.0	35.0	37.8	38.4	38.0	37.8	37.9	33.4	29.7	32.6	33.4
26	29.7	35.0	34.6	31.0	30.2	38.6	46.8	37.1	34.6	31.0	32.1	27.3	26.1	27.0	31.1	34.2	39.7	39.1	36.0	32.1	31.8	34.2	33.0	33.8	33.6
27	33.1	35.0	33.1	35.7	32.0	31.9	35.0	36.7	35.0	32.1	31.6	28.0	34.5	26.2	29.4	34.1	38.6	40.2	39.9	39.9	38.8	37.1	32.5	37.6	34.1
28	32.9	34.7	19.9	34.5	33.2	35.0	32.7	30.9	29.2	30.4	27.1	24.9	25.8	24.2	28.8	34.1	38.1	40.6	41.6	41.0	40.2	38.4	38.7	37.9	33.1
29	39.4	39.0	31.4	29.7	24.9	22.2	26.0	27.2	25.8	22.1	20.1	21.3	22.4	29.6	29.1	32.3	35.5	35.3	42.1	37.7	34.5	34.9	34.6	34.7	30.5
30	34.8	35.1	34.0	33.7	32.0	34.1	35.7	34.7	37.1	34.9	30.3	31.2	28.0	27.1	32.1	36.9	39.5	40.3	41.1	41.3	39.2	38.2	36.4	34.4	35.1
31 Q	34.9	34.7	34.9	31.9	29.6	31.7	34.3	34.3	36.4	32.4	29.1	25.8	24.2	24.8	27.4	32.2	38.6	42.0	44.2	43.8	42.9	39.9	36.0	34.6	34.2
Mean	33.5	33.6	31.2	32.4	31.4	32.0	34.2	34.1	33.3	31.6	29.6	26.7	26.3	27.8	31.9	35.6	39.3	41.2	41.4	40.2	38.7	37.0	35.1	34.2	33.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 67. Agincourt. (Z.) 56,000 γ + May, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	550	545	537	532	531	537	539	525	528	499	481	493	463	464	516	551	563	605	675	773	750	740	728	708	577
2 D	611	620	443	472	479	407	375	452	575	570	545	545	532	531	538	545	558	559	558	574	590	604	605	596	537
3	589	581	544	548	507	485	425	515	539	521	521	549	549	540	543	549	562	562	563	572	574	569	563	574	543
4	567	560	554	546	538	531	533	541	542	544	545	544	543	543	541	538	537	543	544	548	547	546	545	544	544
5	543	544	543	543	525	481	475	503	503	503	528	536	534	533	527	536	531	524	531	538	544	548	551	557	528
6 D	563	562	562	549	537	534	534	533	531	533	525	526	522	513	488	492	528	556	557	578	650	707	707	651	560
7 D	666	612	526	461	459	466	416	469	483	513	464	469	522	532	532	540	550	549	554	560	562	569	574	589	527
8 D	592	507	545	565	496	455	340	437	428	493	486	528	543	535	545	559	553	551	558	572	579	594	602	578	527
9	576	561	541	382	523	536	519	515	512	478	487	511	532	538	547	547	549	559	559	562	561	556	556	553	532
10	553	548	539	523	529	533	533	537	539	539	539	543	544	545	539	529	529	536	537	539	545	547	547	543	539
11 Q	543	543	542	541	535	530	535	537	537	533	529	520	516	523	525	523	526	531	536	541	545	544	542	541	534
12 Q	541	541	539	529	523	527	527	524	531	537	537	536	529	527	527	529	535	533	538	543	542	542	544	541	535
13 Q	538	535	535	534	534	531	515	499	501	525	537	534	531	523	523	516	518	522	530	542	552	552	545	540	529
14 Q	538	536	535	532	530	528	519	519	528	534	534	534	532	531	529	525	523	524	529	532	536	535	535	530	530
15	529	531	532	530	523	517	525	525	490	496	514	519	513	508	511	505	513	528	530	534	535	531	534	540	521
16	538	535	541	516	449	440	482	381	440	454	502	535	528	534	535	534	540	547	549	549	549	548	547	542	513
17	536	532	529	532	530	530	521	525	535	536	534	528	522	516	518	525	530	542	558	585	576	566	567	554	539
18	555	552	549	543	534	542	549	546	543	542	542	536	532	525	522	522	531	540	548	558	562	568	577	589	547
19	597	579	560	542	529	463	517	513	523	536	540	539	535	532	531	531	535	531	535	538	549	570	587	587	542
20	590	590	532	549	471	438	455	458	439	502	538	537	542	544	540	540	547	549	554	561	568	564	564	564	531
21	575	561	561	561	543	526	528	541	547	542	544	540	532	528	526	528	540	538	550	568	575	593	619	618	554
22	658	662	570	495	461	440	505	535	446	422	501	541	536	526	522	520	519	514	517	523	532	558	576	611	529
23	587	578	570	519	464	479	485	458	440	508	518	516	516	523	523	529	538	549	570	575	596	596	634	620	537
24	570	555	511	495	463	440	516	531	546	549	549	543	538	532	528	531	535	541	555	544	618	632	600	581	544
25	557	524	534	502	538	528	508	517	534	540	538	532	529	531	541	545	559	548	548	561	579	606	604	575	545
26	557	525	541	541	525	496	469	485	505	528	538	536	534	538	547	558	569	570	564	582	588	579	578	579	543
27	564	551	534	517	516	508	522	516	523	534	535	532	536	538	538	540	544	540	544	552	558	565	578	587	541
28	549	546	496	540	553	544	520	529	532	549	552	540	537	540	546	549	550	542	543	544	550	552	552	561	542
29	611	642	629	594	496	558	526	484	457	505	519	528	517	536	545	534	532	537	549	549	582	579	575	558	548
30	547	541	542	537	535	534	528	525	528	524	532	534	531	531	536	537	531	535	538	535	540	543	544	538	535
31 Q	536	533	535	536	537	530	528	528	532	534	535	532	530	532	529	528	519	514	520	526	535	535	550	542	532
Mean	569	559	540	526	513	503	499	507	511	520	526	530	529	529	531	534	539	543	550	562	570	576	579	574	538

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 68. Agincourt. May, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	20	571	13	58	131	440	14	46	60.3	23	52	01.7	58.6	23	40	827	13	15	437	390
2 D	21	35	356	06	25	-109	465	07	06	75.8	02	08	-00.4	76.2	00	01	690	06	38	230	460
3	19	17	346	07	22	210	136	18	33	45.5	02	38	14.0	31.5	01	18	609	06	32	355	254
4	21	56	317	14	50	256	61	18	47	44.8	12	40	26.5	18.3	00	01	594	05	11	527	67
5	20	47	418	15	35	243	175	22	00	45.0	04	52	20.3	24.7	23	24	572	05	11	462	110
6 D	23	04	462	13	37	184	278	14	15	54.1	23	01	01.5	52.6	22	02	707	14	38	478	229
7 D	23	43	386	06	59	-033	419	10	43	51.8	03	23	01.0	50.8	01	54	692	03	55	239	453
8 D	21	35	373	06	24	120	253	06	24	59.5	00	48	-07.7	67.2	21	58	642	06	20	264	378
9	02	55	357	03	33	198	159	03	14	78.0	02	56	13.7	64.3	01	20	589	03	40	323	266
10	20	17	325	17	06	271	54	17	27	42.7	13	22	25.0	17.7	00	15	558	03	30	514	44
11 Q	20	33	337	15	16	290	47	18	11	41.5	12	58	29.4	12.1	00	35	549	11	56	512	37
12 Q	22	07	337	15	53	283	54	18	00	41.1	11	47	29.0	12.1	22	04	548	07	10	518	30
13 Q	20	10	343	16	03	266	77	18	07	43.1	12	50	23.5	19.6	20	52	558	07	50	490	68
14 Q	20	45	343	14	35	300	43	18	30	43.1	12	54	24.8	18.3	20	43	542	06	52	510	32
15	02	35	342	13	40	258	84	19	00	42.8	11	07	18.2	24.6	23	55	542	08	45	478	64
16	03	52	374	07	34	011	363	07	45	84.1	03	47	02.9	81.2	03	39	603	07	20	323	280
17	23	29	368	15	20	251	117	17	23	48.4	23	23	22.2	26.2	19	29	598	06	54	506	92
18	23	05	349	15	05	247	102	18	30	42.8	11	54	21.1	21.7	23	52	596	15	01	519	77
19	21	43	355	07	42	270	85	07	43	46.8	06	00	20.2	26.6	00	15	604	05	20	399	205
20	22	55	340	08	36	223	117	08	33	54.0	02	24	09.4	44.6	01	38	601	08	29	405	196
21	22	42	406	15	37	243	163	18	22	49.2	12	37	19.4	29.8	23	15	673	05	50	511	162
22	01	01	422	08	49	177	245	01	46	56.2	02	25	-03.6	59.8	01	01	772	09	10	364	408
23	22	50	408	07	48	139	269	07	47	53.5	23	48	08.9	44.6	22	48	742	07	50	363	379
24	21	10	408	05	40	179	229	05	18	51.4	02	33	10.0	41.4	21	58	646	05	39	384	262
25	22	23	382	15	35	211	171	06	25	43.3	03	14	16.6	26.7	22	17	650	03	10	443	207
26	20	30	356	06	02	175	181	06	06	52.9	00	37	05.8	47.1	20	51	594	06	00	447	147
27	22	24	402	14	38	247	155	17	24	41.0	12	30	23.6	17.4	23	59	617	05	01	488	129
28	22	21	397	02	34	258	139	00	57	44.9	02	28	-10.1	55.0	00	01	616	02	41	392	224
29	05	33	409	07	36	188	221	00	40	45.1	04	42	12.3	32.8	02	34	664	08	34	414	250
30	22	00	338	16	13	289	49	19	01	42.2	12	50	26.5	15.7	00	01	553	09	17	516	37
31 Q	21	36	377	15	50	272	105	19	04	45.0	13	00	23.2	21.8	22	18	557	17	36	512	45
Mean			378			202	176			50.6			13.8	36.8			623			430	193
No. days			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, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	329	327	320	328	333	328	333	331	331	328	330	334	336	331	291	241	264	309	326	338	321	341	347	357	323
2	337	327	331	311	309	312	317	330	323	307	321	317	304	302	294	300	289	302	316	323	333	346	335	333	318
3	320	320	313	308	315	321	323	320	311	311	302	273	279	294	270	258	263	300	332	342	352	333	340	328	309
4	320	315	305	310	311	315	317	312	306	317	311	301	292	271	255	258	267	297	294	309	330	341	336	328	305
5	326	323	315	316	328	311	304	300	310	317	312	312	291	283	263	271	268	284	302	312	327	326	326	335	307
6	315	315	320	322	311	320	312	311	317	320	317	322	313	305	293	275	268	277	290	315	330	346	333	333	312
7 Q	329	320	320	320	322	321	319	320	315	318	325	320	309	299	285	273	286	299	313	323	326	330	326	323	314
8 Q	317	323	318	326	317	319	323	325	329	325	325	326	324	315	304	307	305	315	320	322	327	323	325	331	320
9 Q	331	330	325	325	326	323	320	313	318	326	327	326	315	304	291	279	284	302	317	323	328	328	335	332	318
10	321	337	331	333	331	335	340	342	338	336	332	335	332	326	307	302	308	321	332	337	336	338	336	334	330
11 Q	327	332	334	330	327	327	322	324	321	312	317	319	316	303	292	280	290	302	321	336	342	343	345	336	321
12	327	326	321	321	327	327	326	331	321	313	316	319	313	308	300	297	296	308	321	323	326	331	335	329	319
13	340	334	321	316	321	319	322	326	324	321	329	326	312	308	288	280	293	317	334	348	366	396	392	389	330
14 D	386	438	347	316	203	298	318	279	089	144	157	078	178	210	249	235	258	272	285	311	311	340	362	358	289
15	296	310	281	280	282	279	277	272	271	274	269	258	272	275	246	262	269	274	294	309	316	324	336	333	286
16 D	315	302	290	272	248	243	256	049	111	074	288	298	288	264	253	258	279	288	299	305	305	314	308	314	257
17	306	305	303	301	297	295	295	294	295	298	303	309	306	301	290	282	288	301	319	329	331	347	317	317	305
18	332	326	299	308	307	305	261	251	261	290	238	277	290	266	266	253	256	269	298	310	342	344	344	336	293
19 D	316	311	305	291	294	283	241	287	287	270	285	284	269	254	230	235	258	272	285	311	311	340	362	358	289
20	319	305	297	303	284	277	295	269	300	298	298	295	282	295	276	271	279	288	306	314	333	331	321	324	298
21	313	317	314	310	290	292	296	276	295	295	303	292	289	285	275	287	306	319	345	336	313	326	338	334	306
22	343	331	315	315	307	280	290	317	317	311	299	307	306	298	291	289	292	313	332	336	343	351	343	340	315
23	322	328	309	304	311	308	310	309	305	299	304	311	296	299	280	270	281	304	325	325	322	319	322	322	308
24	315	321	332	314	307	314	320	315	306	307	309	306	301	301	291	283	288	297	302	309	313	328	317	336	310
25 Q	324	322	317	317	317	317	318	320	315	317	314	308	296	290	283	293	299	310	327	327	337	327	319	320	314
26	324	332	334	322	323	327	322	325	327	317	311	315	315	306	304	303	317	326	333	337	375	336	341	369	327
27 D	332	327	340	341	330	322	333	320	328	317	293	321	314	304	307	294	285	286	299	312	325	342	335	333	318
28	323	317	317	318	322	325	318	320	315	316	316	309	302	319	313	283	286	315	307	330	343	395	331	343	320
29 D	350	333	325	309	318	310	306	330	322	314	320	312	281	278	270	240	265	297	301	327	344	347	334	325	311
30	328	307	316	312	319	331	314	313	298	291	305	316	303	297	287	283	273	283	289	303	326	341	345	319	308
31																									
Mean	328	326	317	313	308	309	307	301	297	296	303	301	297	293	281	275	282	298	312	323	333	340	336	336	309

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

Table 70. Agincourt. (D.) West. 7° + . . . ′ June, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	32.7	30.8	33.8	34.3	34.3	33.2	33.5	33.9	32.5	32.6	28.4	25.1	23.9	23.1	21.8	30.5	41.7	38.9	42.9	41.3	41.9	37.0	34.6	32.0	33.1
2	32.0	34.0	32.0	33.9	31.8	28.7	30.7	35.1	38.5	34.8	27.1	28.9	26.8	27.1	26.1	31.2	34.8	39.1	41.9	46.8	41.0	36.4	33.7	32.7	33.6
3	33.4	32.4	32.0	29.6	28.0	31.5	33.8	37.4	39.6	33.3	30.1	34.1	34.4	28.7	30.2	36.0	42.8	46.9	46.0	43.3	39.2	36.7	32.0	30.2	35.1
4	30.8	27.8	28.9	36.4	34.2	35.7	35.3	34.6	38.3	34.5	31.1	29.6	28.1	25.1	28.9	32.6	37.7	41.1	43.3	42.1	39.1	35.5	33.8	32.0	34.0
5	31.5	31.4	31.5	26.6	32.9	30.2	33.4	37.7	41.3	33.8	29.9	26.4	26.0	27.6	27.9	33.9	35.9	38.2	40.8	39.8	37.7	36.7	34.7	31.5	33.2
6	33.9	34.7	34.3	32.7	32.7	30.1	31.8	34.7	35.0	32.0	29.0	26.8	25.2	25.8	28.0	33.1	37.9	39.5	41.8	41.0	39.9	37.7	35.7	33.3	33.6
7 Q	31.2	31.8	33.1	34.6	34.7	34.4	33.1	34.7	34.2	32.7	30.5	27.7	25.8	24.1	27.1	32.2	37.1	39.4	39.7	39.9	39.8	37.6	35.6	34.2	33.6
8 Q	34.1	32.2	31.0	33.5	33.7	34.0	34.1	35.7	34.9	31.4	29.0	27.2	25.1	26.2	28.0	31.9	35.2	36.6	37.1	38.8	37.0	35.1	34.6	33.8	32.9
9 Q	34.0	34.2	35.1	34.8	31.7	31.6	32.1	33.5	32.7	31.6	29.2	27.0	26.2	28.2	30.2	32.9	36.7	39.2	40.3	39.9	38.4	36.7	34.0	33.2	33.5
10	34.8	34.4	35.2	32.2	31.0	32.5	33.4	32.7	31.3	29.3	26.4	24.5	23.4	25.4	29.2	32.5	36.9	39.8	40.0	41.0	40.9	38.9	36.9	35.1	33.2
11 Q	34.9	34.8	34.7	34.2	32.4	32.1	32.0	32.3	33.8	36.2	30.8	25.3	23.3	25.3	28.3	32.7	37.8	41.2	41.9	42.3	41.3	37.7	34.7	33.0	33.9
12	34.0	34.4	33.2	33.5	33.7	33.9	35.3	34.2	29.8	27.3	24.8	24.1	24.9	30.0	31.4	34.0	35.2	38.2	40.3	39.6	38.1	36.3	34.8	34.5	33.1
13	33.8	32.2	31.1	34.3	35.2	34.4	32.9	33.8	29.8	27.5	24.2	24.1	23.9	26.1	27.3	33.8	38.8	39.9	42.1	43.8	47.8	44.5	38.3	37.2	34.0
14 D	39.2	32.8	36.8	39.8	45.3	25.2	27.9	33.5	47.0	22.1	30.8	36.8	36.8	37.0	30.0	29.5	36.0	35.1	39.2	37.9	34.9	34.1	30.9	29.0	34.5
15	34.5	34.1	35.0	35.5	32.4	35.1	35.5	38.7	39.1	34.9	32.0	31.0	31.2	26.4	26.1	30.4	34.4	36.9	38.1	39.0	38.2	38.9	36.1	32.4	34.4
16 D	35.8	34.0	29.8	31.3	26.0	29.0	23.4	24.3	51.5	55.2	24.7	22.0	23.9	27.4	30.9	34.8	37.1	36.9	36.2	36.7	36.0	35.0	35.1	34.7	32.9
17	34.0	34.7	35.9	35.3	35.5	35.2	34.1	34.2	33.2	31.5	29.2	28.1	27.9	28.2	31.6	35.4	38.1	40.7	42.0	43.0	42.5	40.0	40.3	39.6	35.4
18	38.0	34.9	33.2	34.0	34.5	33.2	27.9	31.9	35.7	27.7	32.7	26.3	18.8	19.9	29.5	35.9	39.5	37.3	41.2	41.7	38.5	36.9	35.3	30.7	33.1
19 D	30.8	32.0	28.9	31.7	28.5	29.8	29.8	37.0	37.2	38.8	32.2	25.1	22.3	25.6	30.1	35.9	39.3	43.2	42.3	40.0	40.4	36.9	31.9	30.2	33.3
20	29.8	33.9	32.9	31.2	28.8	28.1	29.2	30.0	31.2	31.5	27.3	25.1	25.0	27.2	27.4	34.0	36.8	38.1	39.5	39.8	38.9	37.8	37.0	35.2	32.3
21	34.4	32.1	29.7	30.0	26.2	33.0	28.9	43.9	39.2	34.1	31.0	27.9	26.9	27.8	31.3	34.8	37.9	37.3	36.8	35.7	38.2	37.0	36.7	36.0	33.6
22	32.8	32.9	35.3	34.9	29.9	31.1	32.8	30.1	28.3	27.8	29.5	28.9	27.0	26.5	29.0	33.9	37.0	38.2	37.9	39.0	39.1	36.9	33.2	32.5	32.7
23	31.9	31.0	33.2	33.2	37.7	43.1	35.0	35.4	35.9	39.2	30.5	24.1	22.9	24.0	29.2	35.0	38.3	41.0	41.6	38.5	39.5	37.5	36.0	33.2	34.5
24	34.2	31.7	24.8	29.0	32.9	33.7	37.1	33.9	34.4	35.3	30.9	27.2	26.3	26.4	26.9	33.2	38.0	39.5	40.8	40.9	39.2	37.1	36.5	32.8	33.5
25 Q	33.7	33.1	31.0	34.8	32.8	34.5	34.3	35.2	35.1	31.9	29.4	27.3	26.9	28.2	29.8	32.7	38.3	41.8	39.0	38.2	38.0	39.3	38.0	35.8	34.2
26	34.9	35.2	32.8	34.8	35.3	32.6	33.3	33.7	31.3	31.2	28.7	27.3	26.7	26.9	29.2	35.9	39.2	42.1	42.2	40.9	39.2	38.2	32.4	28.9	33.9
27 D	32.1	33.9	33.8	32.5	29.0	31.4	27.2	30.4	39.0	38.0	30.1	23.2	23.3	25.4	29.3	32.6	38.8	41.0	39.5	39.3	36.9	34.1	34.2	34.9	32.9
28	35.2	36.0	35.9	34.8	33.0	35.7	32.0	32.2	33.2	30.1	29.0	31.5	31.4	31.1	29.5	32.1	38.7	39.2	41.5	39.5	37.0	31.9	31.1	33.1	33.9
29 D	32.8	33.9	29.5	21.2	41.2	24.7	37.1	32.5	29.8	27.3	24.3	27.2	26.0	31.2	30.8	37.6	39.5	39.0	39.5	37.6	36.0	34.3	33.0	33.6	32.5
30	31.3	25.8	34.7	36.3	34.8	30.3	32.9	31.2	35.2	44.4	28.3	20.9	22.5	24.1	27.5	31.9	35.4	40.9	42.0	41.6	38.8	36.9	34.9	32.1	33.1
31																									
Mean	33.6	32.9	32.6	33.0	33.1	32.3	32.3	34.0	35.6	33.3	29.1	27.1	26.1	26.9	28.8	33.5	37.7	39.6	40.6	40.3	39.1	37.0	34.9	33.3	33.6

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 71. Agincourt. (Z.) 56,000 γ + June, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	537	536	534	529	528	525	528	525	528	532	534	531	528	525	521	525	519	515	517	525	528	541	541	544	529
2	542	547	536	457	501	523	525	516	477	479	500	505	505	492	493	501	505	515	525	528	534	546	544	541	514
3	535	539	540	536	512	491	507	485	483	516	517	501	496	505	512	517	520	524	532	538	551	547	542	542	521
4	536	541	534	505	486	459	506	508	516	523	526	517	519	525	523	525	531	538	543	544	548	548	548	541	525
5	541	541	534	524	515	512	505	505	481	502	511	523	524	522	518	522	526	532	536	539	542	543	541	544	524
6	535	535	528	505	501	501	513	518	525	525	529	529	524	522	525	526	523	520	524	531	537	542	536	536	525
7 Q	534	530	528	528	525	519	516	518	524	526	529	525	521	518	517	515	518	520	524	530	529	529	531	530	524
8 Q	528	528	524	520	524	522	523	518	513	523	529	526	523	519	516	512	505	512	522	523	522	525	528	529	522
9 Q	526	524	522	523	518	514	514	518	520	525	528	525	522	516	515	519	520	516	516	519	525	530	536	534	522
10	531	529	526	520	518	522	522	523	523	525	525	522	519	519	518	511	516	519	518	521	528	530	530	528	523
11 Q	525	523	523	524	524	516	511	513	520	519	517	512	508	512	517	514	511	509	514	520	526	528	530	529	519
12	530	526	529	528	525	523	517	507	505	516	522	519	520	525	522	514	513	513	513	519	528	529	531	532	521
13	534	532	526	526	511	511	505	493	505	513	517	517	514	513	508	517	523	519	521	529	538	567	601	584	526
14 D	629	679	631	513	456	500	534	505	312	276	316	386	454	497	518	537	547	583	605	613	611	593	591	560	519
15	548	558	559	544	536	531	530	519	516	534	532	519	522	531	534	532	525	525	536	548	556	558	559	556	537
16 D	547	546	508	487	470	429	370	270	215	406	537	555	546	530	529	529	529	531	529	538	541	544	544	541	490
17	540	538	532	532	530	530	531	531	532	536	534	529	525	520	526	525	525	525	526	530	530	538	534	528	530
18	533	550	558	559	506	484	454	464	471	477	488	512	526	529	532	529	526	527	532	536	549	556	555	565	522
19 D	565	565	549	520	459	471	444	478	500	483	512	515	516	517	515	528	529	531	532	548	550	568	579	577	523
20	572	542	486	500	473	467	476	457	461	512	529	533	529	527	524	518	517	521	530	535	538	538	537	537	515
21	532	536	506	509	491	465	496	428	467	497	509	515	529	527	529	530	523	531	532	540	557	561	559	561	518
22	545	536	541	532	513	519	484	486	515	524	533	535	530	533	539	537	525	518	523	525	533	537	547	555	527
23	557	537	533	536	527	484	503	510	509	514	521	530	531	533	538	529	520	524	527	536	537	542	546	551	528
24	548	540	513	504	522	527	510	513	519	524	527	527	524	527	529	531	517	513	519	523	523	533	534	542	524
25 Q	538	534	532	519	525	528	525	520	522	526	525	526	524	522	524	521	513	506	504	515	528	528	527	530	523
26	528	532	518	524	528	524	530	530	528	528	525	524	521	519	513	513	513	515	518	517	524	516	530	541	524
27 D	542	533	526	524	513	495	490	507	511	482	471	487	499	498	507	513	518	524	531	536	540	546	540	534	515
28	529	523	524	525	515	498	508	514	519	524	525	519	514	511	515	519	525	529	531	538	550	573	574	552	527
29 D	543	540	537	458	434	476	462	441	484	502	516	508	502	505	504	506	514	525	531	544	547	541	541	538	508
30	538	544	532	529	519	495	494	511	499	455	496	517	519	516	516	528	528	534	527	532	543	547	547	547	522
31																									
Mean	542	542	533	518	507	502	501	494	490	501	513	517	518	519	520	522	521	524	528	534	540	544	546	545	522

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 72. Agincourt. June, 1939.

Day		Horizontal Intensity						Declination							Vertical Intensity						
		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	28	383	15	38	233	150	18	33	45.1	14	45	18.6	26.5	23	23	549	17	30	512	37
2		21	33	375	14	51	266	109	04	05	51.4	04	27	22.4	29.0	21	58	560	03	52	404	156
3		20	23	375	16	00	237	138	17	47	49.0	04	05	25.4	23.6	20	20	560	08	33	464	96
4		21	52	351	14	13	229	122	18	38	45.0	14	20	20.6	24.4	21	00	555	05	20	422	133
5		23	08	354	14	50	248	106	08	05	46.4	03	18	22.0	24.4	23	05	552	08	26	476	76
6		21	17	359	16	38	265	94	18	27	42.0	12	49	24.6	17.4	21	18	550	04	00	493	57
7	Q	00	46	333	15	34	266	67	19	50	41.1	13	24	23.8	17.3	00	42	540	06	10	512	28
8	Q	03	26	336	14	50	299	37	19	14	39.2	12	23	23.6	15.6	23	15	536	16	48	501	35
9	Q	22	46	352	15	50	274	78	18	22	40.4	12	13	25.0	15.4	22	40	547	18	07	513	34
10		01	20	355	15	50	295	60	20	06	41.5	12	34	20.2	21.3	01	15	544	15	25	508	36
11	Q	21	07	347	15	29	272	75	19	52	43.0	12	32	21.5	21.5	22	50	531	16	56	505	26
12		22	43	342	16	02	292	50	18	12	40.5	12	05	22.9	17.6	22	39	535	08	15	501	34
13		21	20	425	15	19	274	151	20	46	48.5	11	20	21.1	27.4	22	35	611	07	45	490	121
14	D	01	46	496	08	23	-088	584	04	04	71.5	09	07	13.2	58.3	01	41	735	11	00	117	618
15		23	07	346	14	18	241	105	07	38	42.2	14	12	20.5	21.7	23	20	567	08	03	511	56
16	D	00	16	326	07	33	-045	371	09	17	81.0	04	57	15.0	66.0	11	45	570	09	08	164	406
17		21	54	373	15	33	279	94	20	28	43.3	12	38	26.9	16.4	21	53	547	13	10	519	28
18		22	04	373	08	05	206	167	05	05	56.1	12	57	14.8	41.3	23	50	574	05	00	372	202
19	D	23	00	394	06	58	204	190	17	51	45.2	12	48	20.5	24.7	21	40	592	06	47	419	173
20		21	14	358	07	48	248	110	02	13	43.7	02	03	20.3	23.4	00	04	584	08	20	432	152
21		19	00	376	07	28	259	117	07	16	50.8	05	00	19.5	31.3	22	46	571	07	28	379	192
22		00	37	368	05	08	265	103	20	03	41.2	00	27	21.1	20.1	00	20	572	06	47	452	120
23		01	14	348	15	16	251	97	05	20	48.0	01	17	19.0	29.0	00	53	567	04	20	463	104
24		02	30	346	16	00	278	68	19	00	42.2	02	05	16.7	25.5	00	04	554	03	25	498	56
25	Q	20	04	340	14	22	276	64	17	10	42.7	12	08	26.1	16.6	00	05	546	18	08	499	47
26		20	29	402	15	07	297	105	17	35	43.2	12	28	25.5	17.7	23	12	557	21	12	508	49
27	D	00	03	363	16	46	265	98	17	46	42.3	11	40	18.7	23.6	00	23	556	10	07	445	111
28		21	46	421	16	01	257	164	18	17	44.3	15	00	23.5	20.8	22	37	595	05	25	494	101
29	D	00	38	361	16	00	220	141	04	27	53.3	03	31	04.5	48.8	00	53	555	03	57	361	194
30		21	52	362	16	25	265	97	09	34	49.3	11	13	19.8	29.5	23	57	567	09	42	432	135
31																						
Mean				368			238	130			47.1			20.6	26.5			566			446	120
No. days				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, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	323	318	317	318	316	323	320	295	303	315	299	308	307	305	290	277	277	284	304	318	326	328	333	326	310
2	321	318	314	318	321	331	305	312	321	321	319	308	302	297	282	297	303	305	313	330	336	341	325	329	315
3 D	336	343	333	326	309	318	329	323	312	290	284	245	183	201	209	250	253	260	279	318	313	326	311	321	291
4 D	331	315	312	313	315	312	305	307	305	294	286	284	284	287	288	256	253	248	287	344	320	495	410	336	312
5 D	324	347	318	256	180	-008	-071	-154	-066	-034	-011	134	149	190	132	110	148	299	345	323	360	344	364	326	179
6	315	286	252	236	271	261	244	237	245	230	250	269	267	260	252	240	236	243	253	262	274	281	281	293	260
7 Q	292	287	283	285	283	283	282	282	281	285	287	283	274	263	266	264	266	274	281	290	297	293	291	294	282
8	292	293	292	291	288	290	295	292	292	292	292	293	296	278	257	251	263	283	306	305	307	297	313	313	291
9 Q	299	292	293	295	297	297	297	297	295	297	299	301	292	284	273	268	277	284	288	293	298	305	305	302	293
10 Q	305	303	302	298	296	302	300	297	296	298	303	304	303	292	283	281	283	292	304	308	313	318	316	310	300
11	313	312	314	315	313	313	313	316	318	323	325	329	344	325	294	305	304	323	329	305	325	326	316	310	317
12	310	310	312	311	310	308	306	301	298	301	299	298	279	270	278	280	299	301	305	330	332	328	324	298	304
13 Q	293	301	304	303	297	295	293	287	288	287	289	287	280	268	248	247	258	280	298	305	311	324	314	313	291
14	306	299	300	311	321	308	307	282	290	312	283	293	303	296	262	230	254	282	287	298	323	327	347	339	298
15	310	279	282	286	275	288	286	287	292	294	284	264	268	274	260	264	266	278	299	310	306	304	303	304	286
16	298	309	306	308	303	303	306	313	293	287	289	282	285	282	284	272	264	295	291	320	366	334	319	306	300
17	304	293	284	290	290	290	290	293	279	291	296	293	288	274	253	241	256	277	285	294	308	329	340	315	290
18	314	308	308	305	305	308	310	308	301	293	298	298	310	299	289	267	262	272	288	303	315	321	324	316	301
19 D	314	322	314	311	313	319	324	313	300	303	309	313	308	294	283	277	275	287	305	308	320	337	363	358	311
20 D	326	306	315	320	325	268	248	307	307	295	285	265	216	229	221	247	249	269	284	305	309	325	327	327	286
21	316	309	309	309	296	299	296	295	297	300	309	268	221	198	238	250	261	266	275	289	304	311	320	307	285
22	302	299	282	285	296	293	290	294	295	299	295	284	263	281	289	278	274	289	302	313	321	322	322	327	296
23	308	316	322	311	310	306	307	304	307	299	294	294	289	283	271	265	278	289	305	317	316	306	307	306	300
24	310	310	314	314	312	312	306	304	302	302	305	299	281	292	295	280	284	294	301	317	335	334	331	326	307
25	311	318	311	312	312	305	259	273	266	285	301	304	294	280	273	274	285	296	310	316	325	320	318	310	298
26	306	312	314	317	307	277	250	191	218	248	294	306	287	274	284	273	263	275	296	307	315	316	307	301	285
27	305	299	300	313	292	292	294	300	305	305	302	297	299	280	257	254	280	297	307	317	325	328	302	304	298
28	297	300	296	299	301	306	312	299	297	301	298	295	290	280	273	263	273	285	294	307	301	317	320	305	296
29	307	305	302	304	305	302	299	296	289	286	299	294	283	269	258	253	273	284	304	313	318	317	318	312	293
30	312	309	304	304	314	302	307	302	299	300	304	303	294	275	265	255	262	273	295	307	318	314	314	309	298
31 Q	307	309	312	309	309	310	307	310	312	309	309	309	304	283	263	258	271	289	310	328	336	327	322	320	306
Mean	310	307	304	303	299	291	284	280	282	284	286	287	279	273	264	259	266	283	298	310	319	325	323	315	293

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 74. Agincourt. (D.) West. 7° + . . . ′ July, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	31.5	33.1	33.9	32.4	33.4	33.9	31.6	38.0	37.8	30.2	37.9	31.2	27.0	26.3	27.9	31.8	35.2	39.2	40.6	40.5	39.5	37.1	34.9	34.0	34.1
2	31.8	30.9	31.7	34.0	33.1	29.4	34.8	40.8	34.2	31.3	30.0	27.3	26.9	27.7	32.4	38.4	39.3	40.9	45.2	42.5	38.8	35.2	32.3	32.2	34.2
3 D	32.2	33.5	32.3	21.5	29.2	29.2	31.1	38.5	32.0	39.2	26.9	29.3	42.4	41.9	35.3	33.8	36.7	36.5	36.2	35.6	36.3	36.8	35.9	34.0	34.0
4 D	32.1	34.9	35.6	28.5	34.0	34.9	36.2	34.6	32.8	32.4	29.2	26.9	24.8	21.9	25.8	26.5	29.9	37.2	38.4	32.1	35.7	35.8	30.4	41.4	32.2
5 D	40.3	38.7	25.3	29.8	26.4	20.4	18.6	36.8	61.0	69.5	43.0	47.0	34.9	36.8	34.5	33.2	35.5	35.0	31.5	39.8	34.4	32.4	29.2	30.6	36.0
6	31.0	29.8	28.1	24.0	30.2	25.0	24.7	31.6	32.0	38.5	33.4	25.8	24.3	25.7	27.7	32.4	37.2	39.1	39.3	38.9	38.4	37.1	36.2	34.3	31.9
7 Q	35.0	35.0	33.2	34.9	35.3	34.9	34.4	24.2	33.2	32.2	31.3	29.6	27.5	28.8	29.3	31.9	35.0	37.0	38.2	38.8	38.2	37.0	35.8	34.2	33.9
8	33.8	32.5	34.1	34.8	34.4	34.4	34.0	33.9	33.6	32.1	29.3	26.1	25.0	26.6	27.4	32.9	39.3	42.9	42.9	44.2	44.2	42.2	38.4	35.1	34.7
9 Q	34.8	30.5	30.7	34.8	34.7	34.5	34.2	32.6	32.1	31.0	28.6	26.3	25.2	25.8	28.3	30.7	33.7	37.1	39.0	39.5	38.3	38.3	36.8	35.1	33.0
10 Q	34.3	31.8	32.2	34.3	34.2	34.1	33.4	32.5	31.8	30.8	29.2	27.2	26.3	26.9	30.3	34.8	37.8	38.9	39.5	41.1	40.5	39.3	38.3	36.4	34.0
11	35.9	35.9	35.3	34.7	33.9	33.0	31.9	30.8	29.9	28.0	24.1	21.6	17.2	17.1	28.8	34.7	36.4	36.1	37.3	40.0	38.4	36.3	36.2	35.6	32.0
12	35.2	35.2	34.2	34.1	33.4	33.1	31.4	30.2	30.8	29.1	27.2	25.8	24.5	28.3	29.7	36.8	38.9	41.9	47.1	40.7	35.3	33.2	32.0	34.5	33.4
13 Q	35.2	35.8	35.4	32.3	33.8	32.9	31.9	32.2	31.7	29.3	27.2	24.8	23.7	25.6	29.7	36.3	40.4	41.2	39.8	39.2	37.1	34.5	32.4	31.5	33.1
14	32.6	32.5	31.9	34.3	32.0	31.0	23.2	22.5	23.9	24.2	32.1	26.7	24.3	27.2	32.4	35.9	45.7	43.3	40.5	39.2	36.5	35.3	32.1	32.0	32.1
15	28.1	33.9	35.1	33.8	28.7	32.0	33.0	34.0	35.6	29.1	27.4	25.0	26.4	24.7	27.5	30.2	32.9	37.1	40.3	41.2	40.6	39.5	36.9	35.9	33.3
16	35.8	35.0	25.9	28.2	33.4	33.7	33.9	33.0	38.2	35.2	25.8	19.5	22.3	23.9	26.7	31.3	38.8	42.4	47.2	46.6	39.3	38.9	37.0	34.1	33.6
17	31.2	32.8	30.7	33.5	35.9	38.6	33.5	29.2	36.9	33.9	26.8	24.9	27.2	28.3	30.3	35.6	38.7	40.3	42.6	43.8	42.7	36.5	32.8	33.6	34.2
18	33.3	28.8	31.5	33.7	35.3	37.8	39.2	35.1	34.6	31.2	28.2	27.8	24.7	23.0	25.3	30.1	37.4	43.6	45.8	46.1	43.7	39.3	34.4	33.4	34.3
19	32.2	28.5	32.5	34.1	34.4	33.9	34.4	36.1	32.5	33.1	28.4	23.8	21.0	21.7	26.1	31.0	35.9	39.8	42.7	44.5	42.4	37.2	38.0	35.2	33.3
20 D	27.2	32.5	36.4	34.9	32.4	28.0	33.9	29.1	32.4	34.3	26.9	24.7	36.6	36.3	38.3	37.8	38.4	42.0	40.9	40.2	36.3	33.2	32.0	33.1	34.1
21 D	33.0	34.4	32.0	27.2	31.2	33.3	34.4	34.5	34.3	32.9	31.0	33.9	36.3	48.3	36.8	30.8	36.0	37.0	40.5	41.0	39.3	36.8	35.3	35.8	35.2
22	36.7	32.8	18.0	24.3	39.8	34.2	28.3	29.3	29.5	27.3	25.0	26.9	34.8	35.1	30.7	33.5	36.0	38.8	39.2	39.3	39.2	37.9	38.8	37.3	33.0
23	33.5	31.6	33.5	35.3	30.8	29.2	30.0	34.5	30.8	27.9	29.3	28.4	29.8	28.4	30.5	33.7	36.9	40.5	42.0	40.3	39.0	36.9	35.3	34.0	33.4
24	34.2	34.2	34.9	35.2	34.8	34.2	33.2	32.1	31.5	30.3	28.4	27.7	33.0	32.2	30.4	33.8	38.3	40.4	41.2	39.5	38.1	36.9	35.5	35.1	34.4
25	34.3	34.0	34.9	33.9	31.8	19.2	21.4	35.8	28.2	28.4	27.0	24.5	25.3	26.3	31.0	34.5	37.4	39.3	39.4	39.5	38.0	35.6	33.9	33.7	32.0
26	34.3	34.7	34.7	34.2	34.3	10.9	30.0	29.2	44.4	29.0	22.0	19.3	24.5	34.5	34.4	34.2	39.8	38.5	39.5	39.8	37.1	35.1	33.3	32.4	32.5
27	33.0	30.4	30.0	26.8	34.3	34.1	40.4	42.5	33.6	31.3	28.9	28.9	27.3	30.3	32.3	37.9	39.3	39.8	39.5	40.0	37.3	34.8	34.5	32.2	34.1
28	33.2	34.4	35.8	35.9	34.9	34.4	33.1	32.8	31.5	31.0	29.2	28.7	27.0	27.8	31.6	35.2	36.9	39.4	39.6	38.0	37.9	34.3	32.3	30.6	33.6
29	31.6	32.4	33.1	32.3	31.4	31.8	32.1	33.7	32.7	34.4	28.0	25.7	24.7	26.0	32.0	38.6	43.0	43.9	44.0	42.1	39.1	36.2	34.2	33.2	34.0
30 Q	32.8	31.7	31.8	31.4	33.4	32.4	32.0	33.1	31.5	30.0	27.7	24.8	23.8	25.2	27.3	32.8	36.1	39.3	39.9	40.1	37.9	36.4	34.2	33.9	32.5
31	34.2	34.7	33.8	32.1	31.2	30.1	34.1	35.4	30.7	30.3	28.1	27.5	26.8	27.8	30.6	35.7	40.8	44.3	43.6	42.2	38.7	35.1	32.5	31.4	33.8
Mean	33.4	33.1	32.2	32.0	33.1	31.2	31.9	33.5	33.7	32.5	29.0	27.0	27.2	28.6	30.4	33.8	37.5	39.8	40.8	40.5	38.7	36.5	34.6	34.1	33.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 75. Agincourt. (Z.) 56,000 γ + July, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	547	537	532	521	505	504	498	475	487	505	482	493	505	505	511	518	524	521	518	523	529	534	534	534	514
2	535	531	526	523	516	487	493	499	516	523	524	522	521	523	518	506	504	518	523	527	535	538	537	537	520
3 D	533	532	529	510	523	525	518	479	461	418	444	456	400	397	450	479	509	538	585	585	548	542	537	537	502
4 D	539	532	532	509	506	489	492	496	505	519	518	523	522	520	509	517	527	545	551	588	627	697	639	553	540
5 D	541	551	562	531	377	253	150	207	156	156	273	301	355	246	515	527	598	641	660	618	605	628	625	594	454
6	592	559	527	475	480	494	483	494	499	512	527	536	535	536	533	529	532	534	536	539	540	542	544	548	526
7 Q	542	538	535	529	530	528	529	529	530	533	534	530	524	524	533	534	534	530	533	535	541	537	534	534	533
8	533	533	530	527	527	524	524	524	525	529	529	529	527	519	519	519	528	531	536	543	543	535	534	537	529
9 Q	534	528	528	524	520	519	520	519	519	520	520	520	530	530	530	527	521	520	524	521	525	530	528	529	524
10 Q	527	526	524	524	524	521	522	519	523	525	527	525	523	521	519	511	513	510	507	510	518	521	524	524	520
11	525	522	521	520	521	520	521	521	521	522	522	522	518	515	523	515	508	517	523	517	522	522	520	522	520
12	522	522	522	522	522	522	522	522	523	524	525	521	515	516	504	505	505	511	518	521	521	525	532	532	519
13 Q	530	526	524	523	521	525	526	526	526	525	529	525	524	521	523	525	522	526	526	530	535	543	538	535	528
14	529	529	526	525	516	495	465	400	486	506	477	417	464	492	490	502	521	524	531	543	551	565	604	626	512
15	594	551	537	524	518	521	523	518	504	529	526	517	507	506	509	512	512	518	519	531	533	538	539	533	526
16	527	529	527	523	526	526	527	526	503	478	481	504	513	509	509	510	513	515	520	539	590	592	583	574	527
17	572	566	557	545	520	478	451	457	485	513	531	530	524	523	523	527	527	533	539	544	543	557	563	552	527
18	550	545	536	537	531	513	507	516	519	528	536	527	519	518	518	518	517	519	530	534	538	540	546	543	529
19	538	530	526	526	525	519	493	497	516	528	531	532	526	526	527	519	518	516	524	527	531	545	551	572	527
20 D	596	574	581	573	537	344	390	521	532	504	445	445	396	455	458	482	515	533	540	556	586	628	581	545	513
21 D	537	531	531	521	519	521	528	531	533	534	522	486	443	381	462	525	527	543	559	554	557	550	548	545	520
22	541	547	563	533	435	486	498	505	530	537	524	514	502	499	511	516	522	525	529	531	536	543	549	561	522
23	561	552	491	520	524	527	525	514	517	523	531	529	530	530	525	522	521	527	532	533	537	534	533	532	528
24	533	532	530	529	528	529	529	528	529	529	532	528	516	509	512	518	522	527	530	529	538	540	536	534	528
25	534	530	530	528	526	489	466	451	485	518	536	529	526	526	534	538	533	534	532	535	536	536	535	532	522
26	535	535	535	536	527	488	397	316	276	395	488	526	513	493	483	512	523	534	541	546	543	554	545	542	495
27	540	535	522	504	504	494	476	474	501	522	524	524	528	527	516	514	523	512	524	533	546	554	563	563	522
28	550	539	532	528	527	524	494	500	521	529	524	522	523	522	523	521	523	524	522	525	529	539	545	542	526
29	539	533	529	523	513	516	517	516	517	524	525	523	518	516	522	519	516	513	513	517	524	530	536	531	522
30 Q	530	529	527	525	499	510	513	522	523	529	532	530	527	527	525	530	526	527	530	534	539	537	534	530	526
31	529	526	527	528	526	520	505	494	518	525	526	528	528	525	524	523	520	529	530	537	537	537	538	538	525
Mean	543	537	532	525	512	497	487	487	493	502	508	507	503	505	511	516	522	529	535	538	544	552	550	545	520

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 76. Agincourt. July, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	07	345	16	20	266	79	07	54	49.8	13	55	24.5	25.3	00	01	564	07	57	459	105
2	21	00	360	14	45	273	87	18	55	45.7	11	37	25.0	20.7	20	56	550	05	45	480	70
3 D	00	41	368	12	33	123	245	12	35	54.5	03	48	16.2	38.3	18	50	612	12	46	325	287
4 D	21	45	607	17	32	216	391	18	28	47.5	22	09	12.5	35.0	22	02	847	04	50	476	371
5 D	18	56	440	07	40	-206	646	09	38	119.3	07	44	-02.5	121.8	19	02	715	06	15	-039	754
6	00	06	343	03	19	185	158	09	24	42.5	03	42	06.3	36.2	00	33	611	03	14	410	201
7 Q	20	04	313	13	20	262	51	19	43	38.9	12	24	26.8	12.1	00	08	558	13	20	524	34
8	20	18	339	15	26	247	92	20	36	45.3	12	18	24.0	21.3	20	10	566	15	15	519	47
9 Q	22	10	309	15	50	266	43	18	53	40.0	12	56	24.2	15.8	01	55	535	16	40	516	19
10 Q	21	58	323	16	00	281	42	19	37	41.5	12	13	25.0	16.5	00	50	543	18	42	506	37
11	12	22	350	14	20	267	83	19	07	40.8	12	55	16.0	24.8	14	46	532	16	23	506	26
12	19	36	344	15	00	246	98	18	04	52.2	12	18	23.3	28.9	23	03	537	14	58	503	34
13 Q	21	50	335	14	58	241	94	17	25	41.5	12	14	22.5	19.0	21	45	565	04	00	517	48
14	22	28	358	15	22	218	140	16	43	50.2	06	55	06.9	43.3	23	59	660	07	47	356	304
15	00	03	338	11	48	256	82	08	26	43.3	00	13	15.4	27.9	00	09	668	08	14	494	174
16	20	37	391	16	30	254	137	18	39	49.8	11	17	15.7	34.1	21	10	612	09	28	471	141
17	22	05	366	15	08	233	133	06	04	48.4	02	51	23.2	25.2	00	05	585	06	10	417	168
18	22	44	330	16	15	257	73	19	08	46.5	13	09	21.5	25.0	01	18	561	06	00	500	61
19	22	06	397	16	02	272	125	19	49	45.3	12	50	20.2	25.1	23	59	620	06	38	487	133
20 D	04	59	364	14	16	179	185	06	04	54.5	05	27	15.4	39.1	21	47	651	05	56	247	404
21 D	22	48	353	13	33	084	269	13	34	59.4	12	20	24.2	35.2	18	40	569	13	30	320	249
22	23	28	341	12	30	258	83	04	42	48.9	02	33	04.5	44.4	02	28	899	04	17	406	193
23	02	51	341	15	22	261	80	03	00	43.0	01	41	20.2	22.8	01	37	586	02	47	468	118
24	21	08	358	15	22	273	85	17	32	41.5	11	35	26.8	14.7	21	10	558	13	58	508	50
25	00	48	332	06	58	195	137	17	44	40.6	05	50	07.1	33.5	14	22	540	06	58	428	112
26	21	11	343	07	27	132	211	08	04	57.5	05	11	-02.3	59.8	21	09	558	07	58	204	354
27	20	54	345	15	11	244	101	07	10	47.2	03	10	21.3	25.9	22	35	582	06	53	467	115
28	22	34	332	15	54	253	79	18	07	42.4	13	11	26.4	16.0	00	02	575	05	55	483	92
29	20	50	323	15	15	247	76	16	40	44.4	12	02	24.4	20.0	00	05	560	04	38	512	48
30 Q	20	25	321	15	20	256	65	18	55	41.2	12	25	23.4	17.8	20	22	545	04	35	495	50
31	20	18	355	15	17	254	101	17	15	45.4	12	27	25.2	20.2	20	05	556	07	10	486	70
Mean			357			219	138			48.7			18.2	30.5			591			434	157
No. days			31			31	31			31			31	31			31			31	31

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 77. Agincourt. (H.) 15,000 γ + August, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	310	299	300	302	306	313	308	305	302	303	306	305	291	277	267	261	267	284	301	315	317	321	317	310	299
2 Q	311	310	311	311	310	310	311	307	308	310	312	312	301	287	266	257	269	282	300	311	311	310	308	311	301
3 Q	313	315	313	312	310	310	310	310	306	305	302	302	296	280	269	263	269	281	292	306	311	312	316	318	301
4	316	312	311	308	307	312	313	315	313	306	305	308	298	287	281	289	292	300	303	308	313	317	313	316	306
5 Q	321	319	319	318	315	316	316	317	313	313	316	319	311	296	286	280	285	295	311	326	334	338	329	326	313
6 Q	325	322	323	319	318	316	316	316	315	315	313	315	313	303	289	281	279	285	298	306	312	322	326	326	311
7 Q	324	326	318	317	315	316	318	314	310	313	313	312	309	298	287	277	271	273	281	292	301	307	312	318	305
8	324	323	323	315	316	316	316	316	315	315	317	316	311	304	296	285	287	297	316	338	322	313	307	314	313
9	316	316	316	317	316	316	317	315	315	310	308	311	310	292	270	259	261	275	290	305	308	310	318	321	304
10	321	318	318	319	319	316	318	321	327	316	313	317	307	287	276	264	259	270	295	318	318	317	326	324	308
11	305	303	305	313	315	312	308	306	305	306	308	308	302	286	277	271	265	268	321	339	341	344	384	311	309
12 D	321	336	364	263	234	054	-047	-089	-052	021	125	145	223	243	223	227	242	254	275	310	325	393	372	353	213
13 D	313	293	299	235	265	264	263	244	258	249	261	256	247	232	232	202	213	248	271	289	301	306	290	275	263
14	285	278	283	283	285	286	290	283	275	278	282	275	262	254	238	233	237	256	267	276	283	283	285	283	272
15	288	287	288	290	291	292	289	288	288	291	294	292	285	273	257	254	252	261	287	302	311	317	311	297	287
16 D	297	293	296	296	283	270	271	288	292	293	283	282	207	156	209	165	272	285	287	291	289	303	325	343	274
17	310	276	240	213	248	275	281	267	261	272	275	264	264	264	244	236	236	254	278	302	314	309	309	306	271
18	302	302	299	301	298	297	297	298	298	298	298	290	285	272	249	233	235	248	279	301	308	308	311	310	288
19	305	305	302	299	300	305	316	315	310	310	304	298	286	270	251	228	241	277	297	308	310	310	310	308	294
20	308	302	302	299	300	303	303	303	299	298	302	301	290	276	271	263	256	261	276	293	312	319	319	319	295
21	314	306	308	306	306	307	306	306	306	304							283	302	318	324	337	356	351	315	
22 D															098	040	107	148	294	382	576	598	550	472	
23 D	357	204	125	066	058	-017	-058	040	040	122	108	128	127	162	190	242	255	250	272	279	294	299	300	280	171
24	258	266	273	274	270	269	258	233	273	271	248	265	254	234	232	232	234	248	268	286	292	286	284	275	262
25	269	268	269	272	269	273	271	264	267	267	272	269	259	257	250	241	248	256	269	282	290	300	292	273	269
26	275	283	284	277	278	282	283	287	279	268	277	272	264	257	249	244	242	250	264	280	293	301	299	291	274
27	282	284	273	277	287	287	287	287	288	289	283	284	268	247	233	234	237	247	265	291	298	305	308	297	277
28	292	294	294	289	293	297	297	300	300	292	288	297	288	267	260	257	261	266	277	288	302	310	308	303	289
29	297	289	289	285	291	292	294	297	299	302	297	297	289	276	261	252	257	269	288	308	320	312	303	298	290
30	298	302	300	298	297	296	303	303	305	303	298	294	292	279	271	268	284	284	298	316	313	307	300	299	296
31	307	315	316	315	315	317	317	317	317	317	314	311	303	284	275	271	275	286	298	307	314	309	311	309	305
Mean	305	298	295	286	287	279	275	275	277	281	283	284	277	266	257	251	258	269	287	302	309	313	314	307	285

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 78. Agincourt. (D.) West. 7° + . . . ' August, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	31.4	31.7	33.0	31.4	30.7	35.1	32.7	33.5	32.2	30.1	27.7	25.1	22.9	22.8	26.1	31.9	39.4	43.3	42.7	40.9	37.3	34.7	32.0	31.9	32.5
2 Q	32.3	33.4	33.5	33.8	32.9	33.3	33.1	33.0	33.3	30.5	27.4	24.9	23.7	24.7	29.1	35.1	40.1	45.0	45.8	43.6	40.2	37.6	35.2	34.1	34.0
3 Q	33.5	34.1	34.4	34.2	33.8	32.8	32.3	31.7	31.4	30.3	28.4	25.1	23.7	23.6	27.0	30.3	33.0	36.8	39.2	39.4	37.0	34.9	33.1	32.6	32.2
4	32.3	32.6	32.7	31.5	32.7	33.2	32.7	33.1	32.7	31.9	28.4	25.2	24.2	24.2	30.2	35.2	38.7	40.4	41.9	40.9	39.1	37.3	34.4	32.2	33.2
5 Q	31.5	31.9	32.2	32.6	31.4	30.9	31.2	30.8	30.3	29.8	28.5	24.6	22.6	23.2	25.2	29.4	34.4	39.5	41.8	40.7	39.1	36.9	35.3	34.3	32.0
6 Q	33.4	33.3	32.6	31.9	31.9	31.9	31.6	31.2	30.2	29.2	27.5	25.7	23.9	22.7	25.1	29.7	34.6	41.0	43.7	44.2	42.4	40.2	37.5	35.2	32.9
7 Q	34.2	34.7	35.1	34.1	33.0	32.3	31.6	29.5	29.9	30.2	27.1	24.4	20.8	19.6	21.4	24.9	30.4	37.0	41.9	43.7	41.7	38.1	34.9	33.6	31.8
8	32.5	33.1	30.2	30.4	31.7	32.2	31.7	31.1	30.7	30.1	28.0	25.3	24.4	24.4	26.2	30.0	35.2	39.4	40.8	39.5	38.8	38.3	35.3	33.6	32.2
9	33.9	33.7	33.9	33.7	33.0	32.4	32.3	31.9	31.4	31.9	27.2	24.1	22.3	22.1	25.7	29.7	34.6	38.3	40.0	40.4	39.2	36.8	34.4	33.1	32.3
10	33.7	33.5	33.4	33.4	32.4	31.6	30.6	29.9	29.2	33.1	30.5	15.4	18.2	21.1	27.0	32.3	39.9	44.4	47.7	48.7	43.8	38.8	34.9	33.1	33.2
11	34.5	34.4	32.2	33.8	33.7	33.4	32.9	31.7	30.4	29.4	27.6	26.4	23.2	23.0	25.6	28.5	32.5	38.1	40.4	41.1	40.5	39.1	33.7	35.3	32.6
12 D	34.2	32.6	36.1	31.1	71.4	30.7	42.0	24.5	52.6	50.6	34.7	40.6	32.4	28.6	37.8	37.7	40.3	42.1	39.6	36.2	34.3	32.4	28.6	30.1	37.6
13 D	33.2	28.8	31.7	45.1	40.8	34.7	34.2	41.7	35.1	31.9	27.1	25.3	26.3	28.1	31.6	32.4	35.7	41.3	43.4	40.2	37.0	35.6	34.4	28.7	34.4
14	33.6	29.1	22.4	30.7	31.5	34.1	34.9	31.4	36.3	34.7	29.1	26.7	26.5	26.1	30.3	36.4	40.2	42.1	43.1	42.3	39.1	36.5	34.7	34.5	33.6
15	34.6	35.2	34.3	34.4	34.1	33.9	33.7	32.7	32.5	31.6	29.1	25.5	22.7	21.0	23.4	28.1	34.2	40.3	42.4	41.3	38.3	36.1	33.0	32.2	32.7
16 D	33.0	33.1	33.0	31.4	29.2	31.6	42.2	28.1	29.1	28.6	23.0	27.6	30.4	31.2	29.4	40.6	53.8	40.8	44.2	42.9	39.7	36.8	32.4	22.6	34.0
17	26.4	22.4	23.9	42.1	24.4	29.2	34.3	35.6	40.4	36.1	29.6	30.1	30.6	28.7	31.4	39.4	44.2	43.5	42.9	42.0	39.6	36.8	35.3	34.2	34.3
18	34.2	34.2	34.2	34.1	33.7	32.8	33.4	33.6	33.1	32.2	31.5	26.4	23.4	21.4	25.1	30.7	36.9	41.2	42.6	41.4	40.2	37.9	33.4	33.1	33.4
19	32.8	32.1	32.2	33.4	33.1	34.1	33.4	31.8	31.4	28.8	26.1	23.4	21.1	21.8	24.6	30.9	47.2	48.4	46.6	46.0	42.7	39.2	36.6	34.2	33.8
20	33.7	33.3	32.8	32.4	33.1	32.2	32.0	31.3	30.7	30.4	27.9	25.6	24.5	25.7	29.7	29.8	35.7	40.2	42.7	43.9	41.3	38.2	35.6	33.4	33.2
21	33.1	34.1	34.6	34.8	34.2	33.7									32.1	36.0	40.3	42.4	42.1	40.4	37.4	34.8	33.7	28.4	
22 D	26.6	29.1	29.3	23.8	29.3	31.8									46.8	59.0	55.6	45.6	35.1	23.7	07.1	22.4	29.1	22.4	
23 D	00.4	15.1	34.3	20.3	33.8	36.8	58.3	35.9	24.9	41.9	56.3	56.3	30.5	35.1	38.8	38.4	37.3	38.5	37.1	35.0	30.5	29.8	29.4	27.7	34.3
24	24.0	27.6	34.3	34.3	33.3	33.4	41.3	44.3	35.0	31.4	34.7	23.9	28.1	35.1	37.1	40.2	45.4	45.1	40.8	37.6	35.5	33.0	31.9	30.6	34.9
25	27.4	33.0	30.5	26.6	32.9	34.5	33.8	33.5	28.9	26.9	25.4	27.8	28.4	27.8	32.1	36.2	39.3	41.0	40.4	38.7	36.1	33.4	31.1	31.5	32.4
26	32.4	33.0	32.4	32.9	33.6	33.6	33.6	33.5	34.8	33.7	27.1	26.1	31.3	31.3	33.4	37.1	41.6	44.5	43.0	39.3	37.1	33.5	31.4	30.3	34.2
27	31.5	32.3	31.2	30.0	32.9	34.3	33.3	32.0	32.0	32.2	31.7	26.4	24.2	27.4	33.5	37.6	44.0	45.2	44.3	40.6	37.4	34.0	31.4	31.1	33.8
28	32.5	32.9	32.5	33.6	33.3	33.9	33.0	31.9	29.7	30.5	32.9	26.1	23.0	26.1	31.8	36.8	40.2	42.4	41.5	39.3	34.8	31.1	29.3	30.1	32.9
29	29.1	29.3	33.6	32.0	32.5	32.3	32.1	31.7	31.6	31.4	30.4	27.1	25.7	27.6	33.0	38.1	41.5	43.0	42.8	40.4	36.3	32.3	30.6	31.4	33.1
30	32.3	32.5	32.9	33.5	33.6	32.6	30.0	30.5	29.8	30.3	26.9	23.1	22.5	28.1	32.3	37.3	43.6	43.8	41.8	39.4	37.3	33.3	31.8	32.5	33.0
31	34.1	34.1	33.9	33.8	33.4	33.2	32.5	31.6	30.6	29.5	28.1	25.3	23.1	23.2	26.8	34.1	38.8	40.5	40.1	39.0	35.5	34.1	33.6	34.0	32.6
Mean	31.1	31.6	32.4	32.8	34.1	33.0	34.5	32.5	32.4	32.0	29.6	26.9	25.0	25.7	29.4	33.8	39.1	41.6	42.2	41.0	38.3	35.7	33.3	32.1	33.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 79. Agincourt. (Z.) 56,000 γ + August, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	537	536	531	524	522	507	518	525	526	528	530	531	534	531	528	528	525	520	524	524	529	535	532	526	527
2 Q	523	524	523	523	523	523	523	518	517	524	529	526	525	529	528	514	508	511	517	523	526	531	530	526	523
3 Q	525	525	525	523	523	520	520	523	523	523	525	529	527	526	525	520	511	508	513	517	522	525	527	525	522
4	525	525	523	524	525	525	524	518	518	518	516	517	516	513	509	515	514	515	519	525	529	531	532	536	522
5 Q	532	525	525	521	519	518	520	520	521	524	527	524	521	518	515	515	512	512	509	518	526	533	534	526	522
6 Q	521	522	520	520	520	520	521	520	521	521	526	527	525	521	518	515	504	504	507	516	522	527	527	526	520
7 Q	526	522	525	522	521	520	519	516	519	520	525	522	525	521	519	514	514	515	520	522	525	525	525	523	521
8	523	522	517	517	517	520	517	517	520	520	521	521	521	519	516	514	508	505	511	527	527	526	527	521	519
9	520	517	517	517	517	519	520	520	520	518	518	520	518	516	516	511	509	506	511	521	527	526	526	526	518
10	522	521	521	521	521	522	522	522	521	498	440	476	496	504	506	511	512	528	542	562	572	570	553	544	521
11	532	534	534	528	526	525	526	527	527	528	530	529	521	518	515	515	509	511	511	515	518	523	564	561	527
12 D	565	557	531	394	620	519	441	370	287	193	364	483	535	545	559	566	569	574	575	598	612	630	613	581	512
13 D	577	569	529	415	418	486	482	481	510	511	530	537	535	535	541	547	566	569	555	565	575	571	564	557	530
14	547	546	532	529	509	474	506	522	530	532	538	540	537	542	542	537	536	537	546	546	547	547	543	541	534
15	541	538	540	538	538	538	537	537	538	541	542	539	536	540	537	535	537	532	536	543	534	539	543	543	538
16 D	542	540	540	540	528	511	450	461	520	538	522	486	474	474	469	545	551	554	545	560	561	568	615	608	529
17	631	595	519	486	510	545	555	539	510	510	519	514	503	519	532	540	544	545	545	546	549	546	544	541	537
18	539	537	537	536	535	532	534	538	539	539	541	541	540	537	540	534	536	534	539	545	545	546	545	539	538
19	537	535	535	533	536	533	533	532	533	533	534	535	535	535	534	533	527	523	530	535	537	536	535	531	534
20	529	529	527	525	528	528	530	530	531	531	532	531	533	532	527	524	531	534	533	528	527	533	534	535	530
21	532	529	529	531	528	529	531	530	530	530						642	512	521	529	534	539	551	553	556	
22 D	556	520	252	271	539	540	559	536	504	494	520	464	310	196	332	455	567	654	713	770	792	790	646	737	530
23 D	640	520	471	386	373	410	380	410	382	315	395	425	526	556	552	572	566	562	577	583	588	587	595	593	498
24	579	566	556	550	547	547	520	484	522	521	523	543	542	530	537	544	547	552	553	559	556	552	553	556	543
25	557	552	541	533	537	539	537	535	540	546	545	549	538	536	539	546	549	553	559	559	556	558	558	555	546
26	550	549	546	545	539	540	543	538	529	533	534	537	537	535	539	541	549	553	558	561	563	564	558	552	546
27	551	545	533	534	541	543	541	541	540	539	540	540	540	534	534	534	540	545	552	560	566	563	558	553	545
28	546	542	539	539	537	536	536	533	528	528	533	533	530	532	534	539	545	551	557	562	562	557	550	542	541
29	540	539	539	538	534	534	536	536	535	534	532	530	528	526	530	531	532	539	547	548	550	545	539	534	537
30	534	532	529	531	530	529	530	529	527	529	526	527	524	520	515	519	532	536	539	548	548	544	539	531	531
31	530	528	527	526	526	526	526	526	526	527	527	528	525	524	524	525	526	530	534	533	532	529	532	529	528
Mean	546	537	520	507	522	521	517	514	513	508	517	521	519	516	521	529	533	537	543	551	555	556	552	550	529

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 80. Agincourt. August, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	56	326	15	50	258	68	17	26	44.3	13	24	22.1	22.2	00	40	554	05	34	506	48
2 Q	19	53	316	15	20	256	60	17	56	46.4	12	53	23.0	23.4	21	50	547	16	15	508	39
3 Q	23	53	322	15	10	262	60	18	55	40.1	13	15	22.8	17.3	00	20	531	17	23	508	23
4	23	58	324	14	41	270	54	18	17	42.6	13	35	22.3	20.3	23	59	537	14	40	496	41
5 Q	20	56	344	15	52	276	68	18	23	42.2	12	35	21.8	20.4	22	00	551	17	57	509	42
6 Q	00	01	328	15	43	276	52	19	14	44.4	13	09	22.1	22.3	22	15	542	17	20	504	38
7 Q	00	40	331	17	13	267	64	19	50	44.0	13	50	18.2	25.8	22	10	542	15	54	514	28
8	19	52	347	16	06	282	65	18	52	41.7	12	53	23.6	18.1	19	53	551	17	20	505	46
9	23	00	326	16	12	257	69	19	00	40.7	13	08	21.4	19.3	22	50	543	17	37	505	38
10	22	55	339	16	55	254	85	19	04	50.4	11	10	12.2	38.2	21	20	587	10	44	422	165
11	22	11	448	16	22	257	191	19	14	41.7	12	47	20.4	21.3	22	25	609	16	29	509	100
12	21	49	474	07	00	-151	625	04	50	116.4	07	54	01.1	115.3	04	59	873	09	30	163	710
13 D	02	47	352	03	17	147	205	03	13	66.4	02	47	11.7	54.7	01	10	641	02	55	328	313
14 D	06	17	296	16	08	231	65	22	49	43.4	02	11	16.9	26.5	00	40	567	05	25	470	97
15	21	45	314	17	40	249	65	22	44	42.5	13	12	20.1	22.4	23	00	544	17	48	532	12
16 D	23	04	402	15	37	82	320	16	02	62.9	15	35	13.4	49.5	23	05	689	13	44	410	279
17	00	17	324	03	02	136	188	03	00	52.4	01	42	17.5	34.9	00	37	685	03	35	453	232
18	22	40	320	16	07	229	91	18	35	43.5	13	40	20.9	22.6	22	24	564	17	40	532	32
19	19	40	324	15	09	212	112	16	47	53.7	12	50	18.9	34.8	22	15	553	17	30	523	30
20	20	44	337	16	14	251	86	19	14	44.1	12	17	23.7	20.4	07	04	535	16	18	523	12
21								(17	28	43.0)	(23	43	25.0)	(18.0)							
22 D	22	08	654					(15	12	66.4)	(20	20	-07.7)	(74.1)	20	25	959	13	30	112	847
23 D	00	26	549	05	45	-100	649	03	12	83.3	00	48	-23.5	106.8	00	15	734	10	15	96	638
24	20	14	299	13	44	217	82	07	00	60.3	00	55	19.3	41.0	00	03	603	07	10	469	134
25	21	12	305	15	24	236	69	17	49	41.6	03	03	19.3	22.3	00	05	575	07	00	533	42
26	21	52	311	16	17	238	73	17	35	45.5	11	38	25.1	20.4	21	45	578	08	52	529	49
27	22	08	317	14	08	228	89	16	56	46.9	12	40	23.0	23.9	21	19	582	15	27	533	49
28	22	49	316	15	08	255	61	17	12	43.3	12	30	21.1	22.2	20	45	579	11	11	530	49
29	20	14	321	15	28	252	69	18	56	44.2	00	51	23.1	21.1	20	02	562	13	04	526	36
30	20	04	335	15	22	263	72	16	38	46.8	12	07	21.3	25.5	20	03	563	14	15	515	48
31	20	48	324	16	42	264	60	17	43	40.9	13	00	21.4	19.5	00	05	546	14	30	517	29
Mean			(344)			(212)	(132)			50.5			17.5	33.0			(601)			(459)	(142)
No. days			30			29	29			31			31	31			30			30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 81. Agincourt. (H.) 15,000 γ + September, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	311	314	314	314	316	315	315	317	310	309	309	308	299	281	254	251	270	293	309	320	322	320	311	309	304
2	311	312	317	315	317	322	319	321	319	318	317	311	298	274	256	255	266	277	291	301	317	350	347	335	307
3 D	341	343	355	264	283	291	296	286	293	299	290	289	294	277	267	262	265	276	286	307	320	290	296	307	295
4	306	302	305	303	301	295	293	295	293	294	292	292	288	275	264	256	258	269	279	287	303	305	305	306	290
5 Q	305	305	304	303	305	306	303	303	303	301	300	300	292	279	264	254	255	261	274	288	293	307	316	308	293
6	298	302	308	310	308	306	305	305	308	305	308	306	295	280	268	262	260	279	298	307	321	313	319	318	300
7	307	316	309	320	312	307	307	310	310	309	313	316	302	289	278	261	257	261	276	291	305	316	316	316	300
8	313	311	307	310	312	307	309	308	307	305	311	315	305	289	269	257	259	269	294	306	313	320	322	327	302
9 D	328	325	322	325	325	302	281	283	264	278	269	275	275	255	250	247	264	265	274	289	289	284	310	303	287
10	310	309	293	288	278	287	294	290	303	303	303	303	291	261	253	274	278	288	293	289	301	305	300	298	291
11	303	300	303	299	299	295	285	293	298	298	293	286	275	268	262	254	257	264	283	291	294	301	301	303	288
12	296	301	298	293	296	300	299	291	280	295	293	294	283	267	254	243	244	263	284	304	324	312	309	310	289
13	299	299	300	299	299	299	299	298	299	295	293	289	281	272	256	248	255	272	292	303	313	320	311	299	291
14	302	309	309	292	291	299	299	300	300	302	293	288	277	267	258	266	276	264	271	278	287	279	287	289	287
15	312	314	317	318	314	309	309	308	307	308	307	302	292	280	263	260	270	286	303	313	320	324	323	310	303
16	304	314	314	314	312	310	309	311	313	313	309	305	294	281	265	252	256	267	286	301	312	318	323	315	300
17 D	317	312	310	298	274	164	252	302	292	297	296	288	281	293	281	244	205	221	286	469	416	330	272	262	290
18	286	277	278	281	286	286	287	288	287	284	286	286	277	265	251	249	247	252	265	276	284	292	298	301	278
19 D	301	302	288	291	292	293	273	261	255	265	226	271	286	278	244	215	226	254	273	294	292	293	309	289	274
20 D	270	271	259	251	264	256	139	260	247	203	283	287	264	245	228	221	225	240	265	290	296	298	297	288	256
21	292	296	306	301	290	286	288	288	295	298	292	296	291	283	272	259	249	254	272	293	293	306	301	301	287
22	302	300	298	298	298	303	301	293	298	308	308	296	293	285	266	246	242	253	260	271	287	290	292	294	287
23	298	298	301	301	301	300	301	302	303	305	305	301	296	286	275	266	266	275	286	293	300	295	298	298	294
24 Q	300	300	294	283	282	276	284	291	292	298	302	300	284	268	252	245	254	269	284	295	294	298	302	305	286
25	306	307	307	305	303	299	302	304	311	311	306	301	300	287	268	252	254	275	285	299	304	314	306	302	296
26	310	305	315	310	289	276	273	285	284	280	291	285	271	252	244	247	254	263	278	291	296	301	302	295	283
27	297	299	300	301	299	298	297	297	297	299	300	296	291	280	269	258	253	264	280	295	305	297	296	300	290
28 Q	301	291	298	298	300	300	302	301	301	300	299	296	288	273	258	255	265	275	285	288	296	300	304	305	291
29 Q	306	305	306	306	306	306	306	309	309	309	306	304	298	287	275	270	276	283	289	298	301	310	310	314	300
30	314	312	311	307	309	309	309	306	304	305	300	306	303	288	275	270	270	274	288	296	296	304	301	300	298
31																									
Mean	305	305	305	300	299	293	291	297	297	297	297	297	289	276	262	253	256	267	283	301	306	307	306	304	291

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 82. Agincourt. (D.) West. 7° + . . . ′ September, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	34.5	33.8	33.5	33.8	33.3	32.5	31.9	31.1	30.2	30.0	28.1	25.3	22.2	22.3	27.6	33.2	43.3	44.1	40.7	38.0	35.8	34.0	33.3	33.6	32.7
2	33.9	33.7	33.3	33.2	32.8	31.6	30.1	29.3	28.3	28.1	27.0	24.4	22.1	22.3	26.3	31.7	38.7	42.0	42.6	40.6	38.2	37.0	37.8	37.6	32.6
3 D	37.7	39.0	26.1	23.5	26.3	32.0	26.8	26.5	26.7	21.0	16.1	19.3	20.1	22.3	27.5	34.6	40.1	40.9	43.0	41.3	39.3	38.2	35.6	36.1	30.8
4	36.4	36.0	36.4	35.1	33.6	33.4	33.0	32.4	31.9	31.3	29.4	26.9	25.3	25.6	28.3	33.0	38.2	41.0	41.5	39.3	37.0	35.5	34.6	34.3	33.6
5 Q	34.1	33.9	34.0	34.0	33.0	32.4	32.3	31.6	31.2	31.0	29.5	26.9	25.9	26.3	26.2	32.5	38.3	42.2	44.6	45.0	41.5	38.4	36.1	34.4	34.0
6	34.0	33.1	33.5	33.1	33.3	31.5	32.1	36.0	31.4	30.0	28.9	25.6	23.1	22.6	28.5	34.0	40.0	43.6	44.1	41.4	42.3	37.0	34.5	34.1	33.7
7	34.0	33.1	33.1	32.6	35.1	33.2	32.0	31.5	32.1	35.0	30.2	23.3	19.5	22.3	27.0	30.2	35.6	38.2	40.1	39.0	35.6	33.2	32.3	33.0	32.1
8	33.2	33.3	32.4	33.5	33.0	32.0	31.5	31.1	30.2	29.1	27.4	23.8	22.0	23.2	27.3	33.6	39.3	43.0	43.6	40.7	37.2	35.0	34.5	34.0	32.7
9 D	35.1	35.2	35.1	34.1	32.3	29.3	36.6	24.1	22.7	24.2	20.2	21.7	20.8	28.0	37.0	40.1	42.3	43.5	42.1	40.2	38.4	35.4	35.1	34.6	32.8
10	35.2	35.5	28.3	29.2	37.2	34.0	34.6	35.0	26.5	25.3	26.1	25.1	24.3	29.4	38.4	40.5	41.6	41.0	40.3	39.3	37.3	34.5	34.6	35.2	33.7
11	35.5	32.4	34.0	34.5	32.3	32.3	36.0	31.2	29.0	29.1	28.0	25.1	24.1	26.6	31.4	34.4	37.5	39.1	38.8	36.4	33.0	31.4	32.2	33.6	32.4
12	35.1	34.3	36.9	31.2	33.5	32.2	31.9	30.1	35.2	27.4	26.3	25.2	24.2	26.4	30.0	34.1	40.3	44.0	44.1	39.0	34.6	32.4	32.5	34.3	33.1
13	34.0	34.1	34.2	34.2	33.8	33.6	32.6	32.2	31.1	30.0	28.2	25.6	24.1	26.6	30.9	36.7	40.8	43.6	43.3	40.6	36.3	33.8	33.6	35.0	33.7
14	36.2	35.0	32.4	27.3	31.6	32.4	32.0	31.4	30.7	30.1	28.3	26.6	26.4	27.6	33.8	38.7	44.0	44.7	42.6	40.1	38.2	35.5	33.9	34.0	33.9
15	33.3	32.2	34.0	33.4	32.7	32.0	31.4	31.2	30.2	30.0	28.4	25.3	24.2	25.6	27.9	32.7	37.6	41.1	41.7	40.3	38.1	36.2	34.3	36.6	32.9
16	37.0	35.1	34.1	33.5	33.0	32.2	31.6	31.5	31.2	30.1	29.1	26.0	24.6	25.7	30.3	34.2	40.3	45.0	45.6	42.5	39.1	35.7	33.6	32.9	33.9
17 D	32.4	29.2	32.6	30.6	27.3	41.1	25.6	27.6	25.0	26.5	27.0	27.7	26.0	28.6	31.1	31.7	36.6	43.8	41.4	26.7	36.6	39.3	41.1	38.0	32.2
18	35.3	35.7	35.0	34.4	34.2	33.4	33.5	33.3	32.4	33.6	34.9	29.5	27.4	27.6	31.7	35.3	38.3	41.5	41.7	40.0	37.4	35.5	34.6	34.3	34.6
19 D	34.3	34.0	33.5	33.1	32.9	25.5	27.3	39.1	21.7	26.1	35.3	25.2	24.0	29.5	31.3	41.5	47.2	45.0	45.0	46.5	41.1	37.0	33.3	31.2	34.2
20 D	24.8	29.1	26.1	13.3	33.0	28.0	49.3	31.3	28.0	45.4	33.5	29.5	27.6	29.5	32.3	39.3	41.1	42.4	38.3	35.9	36.0	34.6	33.0	32.4	33.1
21	33.5	34.1	32.0	35.3	32.9	32.4	34.2	35.0	33.5	29.1	30.2	27.5	25.1	26.7	29.6	32.3	35.0	39.3	39.5	37.3	36.0	34.1	34.5	33.0	33.0
22	29.3	32.6	31.9	33.8	33.6	36.7	33.5	34.3	34.4	27.1	26.5	30.1	26.6	27.7	30.1	32.4	40.2	39.0	40.0	38.5	36.3	34.3	31.2	33.3	33.1
23	33.6	34.3	34.3	33.7	33.5	32.9	32.6	33.2	32.3	30.5	30.3	28.7	27.3	28.1	30.1	32.9	36.0	38.8	39.1	38.1	36.1	34.3	34.2	35.1	33.3
24 Q	34.6	34.5	35.6	33.5	33.0	36.1	28.0	25.6	25.4	26.6	27.1	27.6	28.4	28.5	31.0	35.2	39.1	40.5	41.1	40.0	38.1	36.1	35.0	34.6	33.1
25	34.5	34.1	33.8	33.3	33.0	35.0	30.4	29.9	28.5	26.6	26.5	28.1	26.5	26.3	29.5	32.1	40.0	45.6	46.0	42.2	39.0	37.2	37.3	37.4	33.9
26	38.0	36.6	40.4	32.9	31.1	33.0	30.1	30.3	30.2	32.6	29.5	28.0	27.0	28.1	33.2	37.6	39.1	41.7	43.0	41.1	38.1	36.4	32.3	32.6	34.3
27	35.3	34.3	34.1	33.9	33.5	33.0	32.2	32.0	31.1	30.6	30.4	28.7	27.5	28.3	29.3	31.6	35.3	38.9	39.6	39.0	36.1	36.0	35.3	34.5	33.3
28 Q	34.4	32.4	34.2	33.4	33.0	32.3	30.8	30.4	29.4	30.1	29.6	29.3	27.7	28.1	30.0	34.7	37.9	39.8	39.2	38.6	37.3	36.1	35.4	34.5	33.3
29 Q	34.7	34.2	34.0	33.0	32.4	32.1	31.3	30.6	29.8	29.4	28.5	27.7	26.3	25.9	28.0	32.5	37.3	39.0	39.1	38.2	36.9	36.0	35.5	35.1	32.8
30	34.6	34.1	34.3	33.7	32.3	32.0	31.0	30.0	29.6	29.7	31.9	30.6	28.3	28.1	29.5	33.8	36.6	40.1	42.8	45.3	46.2	45.4	45.2	44.1	35.4
31																									
Mean	34.3	34.0	33.4	32.1	32.7	32.7	32.2	31.3	29.7	29.5	28.4	26.5	24.9	26.5	30.2	34.6	39.3	41.7	41.8	39.7	37.8	35.9	34.9	34.8	33.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 83. Agincourt. (Z.) 56,000 γ + September, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	528	528	525	525	526	526	524	524	524	525	527	528	527	526	526	526	528	530	532	526	526	524	524	524	526
2	523	522	521	523	521	521	523	520	521	520	523	524	524	524	519	514	511	515	527	533	535	541	533	533	524
3 D	544	556	619	519	538	520	490	532	538	517	505	513	518	521	523	527	527	534	541	550	561	560	547	538	535
4	537	537	547	544	533	529	528	527	529	527	527	526	523	519	518	517	520	524	529	533	535	534	531	529	529
5 Q	525	525	524	526	525	524	524	524	524	524	524	527	528	528	529	527	526	528	539	543	543	543	543	540	530
6	542	539	532	527	526	525	523	512	517	526	531	533	534	532	532	530	532	536	546	546	559	545	543	543	534
7	540	536	532	519	520	526	526	528	527	517	514	511	512	511	507	508	516	523	533	540	541	543	537	530	525
8	525	525	526	526	523	519	519	519	521	518	525	529	525	519	516	512	515	520	525	530	533	532	528	528	524
9 D	525	525	530	530	532	536	451	529	509	499	483	462	471	481	498	509	522	536	546	551	557	547	542	536	517
10	535	543	562	558	536	509	515	510	510	516	521	522	518	516	518	525	527	533	545	552	557	554	545	542	532
11	539	539	533	529	533	537	534	525	533	531	532	528	527	527	533	531	537	542	545	548	543	537	530	531	534
12	529	530	514	506	524	523	521	521	521	518	527	530	530	524	525	526	532	537	541	536	536	535	537	535	527
13	535	530	524	522	524	523	523	524	525	524	526	525	521	524	524	524	522	522	523	529	525	525	524	525	525
14	522	522	510	502	515	527	524	525	524	521	523	521	517	512	505	511	517	510	511	521	522	521	521	521	518
15	527	524	522	521	521	521	521	521	520	520	522	521	518	515	508	505	502	506	514	521	527	528	531	531	520
16	524	522	521	521	520	517	518	517	517	516	518	518	515	511	510	502	497	499	506	516	522	526	522	520	515
17 D	517	518	518	516	491	364	485	525	527	527	518	502	491	494	491	493	500	566	668	767	656	609	593	563	537
18	568	548	535	534	532	530	529	530	524	523	528	530	528	525	527	525	526	527	530	531	531	532	530	530	531
19 D	527	527	531	534	514	489	477	435	425	396	295	359	438	468	500	517	533	539	555	555	561	575	592	629	498
20 D	576	561	534	472	458	484	360	455	463	422	466	490	514	520	529	532	537	546	558	563	546	537	535	537	508
21	534	534	516	503	514	513	514	510	510	501	513	523	524	527	525	523	527	528	527	532	532	534	534	534	522
22	533	533	532	531	531	522	523	509	506	507	509	511	517	514	515	524	527	526	529	529	534	540	546	537	524
23	531	526	523	522	523	523	520	517	513	517	519	517	517	519	517	513	513	514	516	519	523	526	529	528	520
24 Q	529	527	528	532	526	499	502	516	514	510	505	516	522	525	526	522	519	519	526	532	531	529	525	525	521
25	522	521	519	519	520	513	513	516	519	518	515	512	510	510	509	502	507	516	523	527	526	528	526	528	518
26	537	545	571	593	571	532	522	533	524	522	524	528	530	528	526	527	526	531	542	552	547	539	542	535	539
27	529	525	522	522	524	523	524	520	520	520	520	523	520	520	521	518	519	525	526	528	533	528	524	522	523
28 Q	522	523	522	519	519	518	515	509	513	518	516	521	521	520	515	514	515	516	518	515	519	520	519	519	518
29 Q	519	515	516	515	516	516	516	515	515	513	514	518	515	513	509	503	505	507	507	510	516	520	515	516	513
30	515	515	516	518	516	516	515	514	513	513	507	495	500	506	510	509	506	508	515	528	542	555	568	579	520
31																									
Mean	532	530	531	524	522	514	509	515	515	511	509	512	515	515	517	517	520	525	537	542	541	538	537	536	524

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 84. Agincourt. September, 1939.

Day		Horizontal Intensity						Declination						Vertical Intensity					
		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	Q	19	47	322	15	08	247	75	17	04	45.6	12	38	21.5	24.1	19	15	544	14	15	524	20
2		21	44	420	15	02	249	171	18	54	43.6	12	03	19.3	24.3	21	44	590	16	25	511	79
3	D	02	14	429	03	14	249	180	18	33	44.0	02	48	-01.4	45.4	02	35	679	06	34	478	201
4		00	17	312	15	42	254	58	17	52	41.6	13	03	24.5	17.1	02	52	566	15	25	517	49
5	Q	22	52	324	16	50	253	71	19	20	45.5	14	12	23.9	21.6	21	03	556	17	27	524	32
6		20	38	329	15	40	256	73	20	05	51.4	12	54	21.3	30.1	20	14	571	07	34	512	59
7		06	21	323	16	18	255	68	18	44	40.5	12	23	18.5	22.0	21	12	553	14	45	507	46
8		23	46	336	15	30	254	82	17	43	44.3	11	45	19.3	25.0	20	12	539	16	00	512	27
9	D	06	20	341	06	52	197	144	06	32	49.1	11	23	15.3	33.8	20	33	566	06	35	099	467
10		00	04	314	04	46	245	69	05	47	43.6	12	58	22.2	21.4	02	25	572	04	35	495	77
11		01	58	309	15	23	252	57	06	49	41.6	12	23	23.3	18.3	19	17	554	07	01	515	39
12		20	50	341	15	58	236	105	18	36	47.1	12	22	22.1	25.0	18	35	547	02	52	480	67
13		21	24	328	15	37	233	95	17	35	44.3	12	38	22.7	21.6	00	43	535	17	00	522	13
14		01	10	314	16	58	241	73	16	43	45.5	02	50	24.4	21.1	05	30	527	03	25	495	32
15		22	06	327	15	44	258	69	18	05	42.1	12	08	23.2	18.9	23	17	545	16	30	502	43
16		22	12	335	15	20	250	85	18	00	47.0	12	08	22.6	24.4	22	13	540	16	35	497	43
17	D	20	02	629	05	27	109	520	18	05	46.3	13	14	19.4	26.9	19	45	822	05	33	344	478
18		23	41	302	15	58	244	58	18	03	42.1	13	09	26.2	15.9	00	43	593	13	48	521	72
19	D	22	17	323	10	16	173	150	15	56	51.3	08	12	17.1	34.2	23	36	659	10	40	252	407
20	D	21	40	303	06	27	064	239	09	20	50.6	03	38	-09.5	60.1	00	28	604	06	43	324	280
21		02	45	319	16	27	244	75	17	51	41.2	12	36	23.6	17.6	22	28	539	03	30	497	42
22		10	09	314	16	03	236	78	16	21	42.1	09	38	24.8	17.3	22	45	550	10	12	496	54
23		10	04	306	15	47	264	42	18	00	39.5	12	27	27.3	12.2	00	05	539	08	15	511	28
24	Q	23	36	307	15	28	245	62	18	08	41.3	08	00	24.2	17.1	03	55	539	05	55	487	52
25		21	46	333	16	00	077	256	18	04	47.4	10	55	24.2	23.2	21	42	538	14	55	502	36
26		04	10	333	15	12	240	93	02	41	48.6	12	48	25.1	23.5	03	24	646	06	11	514	132
27		20	15	321	16	40	250	71	18	01	40.5	11	33	26.5	14.0	20	22	540	16	48	515	25
28	Q	23	59	309	15	10	253	56	17	40	40.3	12	37	26.9	13.4	01	45	525	17	38	508	17
29	Q	22	50	315	14	38	270	45	18	00	39.4	13	22	25.1	14.3	21	18	522	16	05	503	19
30		23	32	319	16	54	268	51	23	51	47.1	13	12	27.1	20.0	23	59	582	11	25	492	90
31																						
Mean				338			229	109			44.5			21.0	23.5			573			472	101
No. days				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, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	284	295	294	299	295	296	299	299	299	301	302	297	290	282	273	267	270	283	286	291	307	305	304	304	293
2	303	303	302	303	298	302	302	303	308	306	306	302	295	282	269	262	263	272	282	287	293	298	314	315	295
3 D	316	313	308	308	302	303	303	302	287	288	290	295	284	247	279	262	251	250	262	284	262	293	288	272	285
4 D	280	269	245	081	216	236	229	231	247	257	253	253	232	214	232	232	230	234	240	267	258	274	274	277	240
5	269	267	272	273	272	269	272	278	269	263	246	271	273	250	261	259	251	248	262	262	277	279	292	287	268
6	265	255	247	234	220	077	115	207	190	193	263	281	281	272	263	256	250	256	271	287	268	268	283	286	241
7	289	286	287	288	287	284	284	286	287	287	291	291	288	287	281	257	242	258	267	299	302	273	263	267	281
8	276	274	281	278	281	281	280	282	284	287	287	283	279	268	261	253	252	265	282	282	296	296	299	301	280
9	305	281	293	289	281	283	255	097	224	271	288	283	256	222	261	249	244	252	257	258	262	271	276	277	260
10	280	280	278	278	280	281	282	285	282	283	285	281	275	270	267	256	254	260	267	272	277	285	285	296	277
11	293	291	291	300	296	298	298	298	297	298	301	293	286	272	265	261	267	274	286	296	300	306	304	292	290
12 Q	295	295	295	291	288	292	288	287	290	292	292	290	282	271	262	262	266	270	282	290	293	296	296	297	286
13 D	296	294	330	313	303	245	202	215	250	284	282	271	265	257	246	254	259	269	302	394	635	509	671	472	326
14 D	250	227	219	211	085	105	190	008	-033	088	240	201	175	206	194	199	189	207	249	254	248	273	270	256	188
15 D	275	265	230	149	051	051	170	233	249	248	242	247	248	238	230	204	229	239	264	261	258	255	260	258	223
16	282	277	264	264	268	248	241	249	237	256	271	281	279	251	223	193	206	227	238	254	264	262	254	270	252
17	261	261	247	253	265	216	219	269	271	276	258	250	266	266	243	201	211	227	260	259	249	258	274	274	252
18	273	265	245	256	249	226	235	260	281	272	253	270	269	253	235	206	214	219	229	252	255	271	277	264	251
19	249	264	264	246	217	234	205	213	202	215	236	278	284	275	265	250	241	247	257	265	268	269	276	281	250
20 Q	280	278	280	283	280	281	281	283	282	286	288	293	288	277	266	260	259	262	268	274	278	283	289	291	279
21	293	294	291	290	289	290	293	295	290	296	294	294	286	264	272	270	264	263	270	257	276	296	295	278	283
22	288	293	293	291	291	290	289	289	288	289	289	289	283	272	259	252	252	258	266	278	275	281	291	297	281
23	294	295	294	292	293	294	293	293	287	292	294	294	277	258	264	247	241	265	262	280	282	284	277	278	280
24	274	282	284	282	282	282	283	284	287	288	288	287	283	275	268	262	259	261	263	269	282	288	291	293	279
25 Q	296	292	290	291	292	290	290	290	293	294	293	288	277	267	258	251	246	251	264	274	285	292	296	298	281
26	298	298	298	298	295	297	298	297	297	298	298	298	292	282	267	259	259	267	277	288	288	292	293	297	289
27 Q	298	298	293	296	296	296	296	297	298	298	300	299	292	277	263	255	255	258	270	280	291	298	298	300	288
28	299	301	300	300	300	298	296	299	302	302	302	292	291	287	274	267	268	274	281	291	291	297	294	286	291
29	289	283	270	255	264	281	281	282	287	287	288	289	281	266	258	253	255	258	263	265	266	278	282	284	274
30	294	282	278	288	288	294	294	297	300	301	301	299	291	285	276	277	276	276	275	280	287	293	293	287	288
31 Q	288	292	295	292	293	296	295	295	297	296	298	301	301	294	286	286	281	280	288	291	289	291	296	294	292
Mean	285	282	279	270	265	259	263	261	265	274	281	282	276	264	259	249	249	256	267	279	289	291	299	291	272

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

Table 86. Agincourt. (D.) West. 7° + . . . ′ October, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	36.1	33.4	32.5	31.9	31.2	30.0	31.5	31.9	31.4	30.8	31.1	29.2	26.6	24.2	26.2	29.0	34.3	39.1	40.4	40.1	38.8	37.1	36.0	35.2	32.8
2	34.2	33.2	32.3	32.6	32.1	32.1	32.0	31.8	30.7	30.4	30.1	27.4	24.6	22.8	23.1	27.2	32.0	35.8	37.5	37.9	37.4	36.6	35.9	34.8	31.8
3 D	33.9	32.8	32.2	32.4	32.4	32.2	32.2	28.9	28.3	20.9	27.8	34.8	43.6	34.5	40.2	31.9	34.1	37.4	38.2	35.4	35.6	35.1	31.6	35.6	33.4
4 D	32.1	31.3	22.4	20.1	24.2	39.8	36.7	34.7	35.1	33.2	34.1	31.1	30.5	31.7	30.9	31.9	34.8	38.4	39.9	38.6	38.8	38.8	38.1	35.8	33.5
5	34.8	34.8	34.6	34.9	34.3	38.1	33.5	33.7	31.6	33.1	39.4	35.1	31.2	34.1	33.1	32.1	33.9	37.1	38.1	38.2	37.3	37.6	35.6	34.2	35.0
6	29.6	30.0	28.2	24.6	26.2	56.8	45.1	23.3	37.0	38.2	30.6	30.8	30.1	29.7	27.8	32.1	34.4	38.1	38.6	38.1	39.1	37.1	35.6	34.4	34.0
7	34.2	34.4	33.8	33.4	32.7	32.0	31.1	30.7	30.2	31.1	30.5	29.2	28.1	28.1	30.2	29.7	37.0	42.2	41.2	37.8	35.9	38.6	37.4	35.1	33.5
8	35.2	32.7	26.2	32.1	34.3	32.8	31.5	31.9	30.7	31.1	32.2	31.7	30.1	28.7	30.0	32.4	34.2	35.7	36.7	36.2	36.2	36.1	36.3	37.8	33.0
9	42.0	38.6	38.6	34.8	33.1	31.5	27.9	48.8	27.1	23.7	27.7	28.5	27.1	41.9	42.4	33.2	35.8	37.5	37.0	37.3	35.2	33.3	33.7	34.1	34.6
10	34.1	34.1	33.7	33.7	33.3	33.2	32.6	32.6	32.7	32.3	31.7	31.6	29.6	30.2	30.2	33.6	36.4	37.6	37.8	36.7	35.7	35.1	35.0	35.0	33.7
11	34.0	34.7	34.1	33.7	33.4	33.1	32.2	31.4	30.7	30.6	30.8	30.6	28.2	26.7	28.6	32.0	34.4	36.7	35.7	34.0	33.2	34.3	37.7	39.1	32.9
12 Q	38.5	32.2	33.6	33.2	32.1	32.1	31.7	30.2	30.4	30.4	30.6	29.7	28.4	27.8	29.7	33.2	37.4	38.6	38.3	37.0	35.3	34.1	33.9	34.1	33.1
13 D	33.5	32.2	32.7	36.3	34.7	30.1	33.3	27.7	24.8	22.3	25.1	27.2	23.6	25.3	26.1	31.2	34.8	43.2	41.8	37.6	18.4	24.1	29.1	15.1	29.6
14 D	35.2	34.2	26.9	18.1	27.7	21.8	32.4	21.4	39.4	42.7	15.1	31.7	31.8	27.6	30.6	34.8	39.4	40.1	38.2	40.3	37.0	31.1	33.6	30.7	31.7
15 D	22.0	-00.8	-06.9	30.6	35.7	71.4	42.6	31.7	29.4	34.2	38.6	37.0	30.4	28.5	32.3	36.7	36.8	37.8	35.3	39.9	39.2	38.1	35.8	33.4	32.9
16	27.7	31.8	31.8	32.1	28.6	34.7	39.6	36.3	37.1	38.7	31.6	33.1	31.7	32.4	34.8	35.2	39.2	39.4	40.4	41.2	36.2	39.4	31.7	28.7	34.7
17	34.1	32.5	25.0	19.4	32.7	46.3	39.4	29.6	32.1	34.6	39.6	43.7	33.4	26.5	27.1	34.1	39.7	40.1	38.2	41.1	44.2	40.7	38.3	34.7	35.3
18	35.2	33.7	20.8	28.5	30.3	32.7	37.7	35.1	30.8	31.8	44.2	43.7	41.6	39.4	36.6	41.6	46.2	43.2	45.1	43.7	40.2	36.2	35.1	33.8	37.0
19	28.4	29.1	28.6	26.3	39.4	29.4	31.6	31.0	32.9	32.3	38.5	38.2	34.2	31.5	30.0	32.5	37.5	40.8	38.4	37.3	36.1	36.1	33.7	33.1	33.6
20 Q	33.5	31.7	31.8	32.8	33.6	32.6	32.2	30.5	29.8	32.1	35.3	30.2	26.9	26.1	28.2	31.2	34.4	36.5	36.8	36.2	35.3	34.4	34.6	35.2	32.6
21	34.8	34.5	34.3	33.3	32.3	34.5	32.2	30.7	28.3	30.1	30.6	30.1	27.3	28.5	34.2	34.1	36.1	37.8	39.0	41.2	39.1	36.8	37.8	36.2	33.9
22	34.2	33.6	34.2	33.7	33.8	33.5	32.6	31.2	31.7	31.5	31.8	30.6	28.6	27.2	28.1	31.2	35.3	38.2	39.1	38.5	38.4	37.8	36.4	34.6	33.6
23	33.8	33.5	33.6	33.5	33.4	33.6	33.3	33.2	32.4	29.5	30.3	36.1	33.4	32.5	36.4	37.2	39.8	41.0	39.5	38.3	36.4	34.8	35.5	36.7	34.9
24	32.0	32.3	32.5	32.2	32.7	32.3	32.0	31.8	31.1	30.8	30.8	30.7	27.9	25.9	25.3	29.4	33.2	35.6	37.8	38.1	37.2	36.3	35.7	34.9	32.4
25 Q	34.5	34.5	34.3	33.3	34.2	35.4	34.3	34.5	31.4	31.8	30.9	30.2	29.3	27.4	27.8	30.9	35.4	38.2	39.2	38.2	36.8	35.0	34.3	33.9	33.6
26	33.8	33.6	33.3	33.0	33.0	32.9	32.6	32.4	32.2	30.2	29.6	28.9	26.2	24.6	26.3	30.3	34.3	36.5	37.5	38.3	38.3	37.2	35.5	34.1	32.7
27 Q	33.4	33.5	33.4	33.5	33.6	33.6	33.4	33.3	32.7	32.4	31.9	31.3	28.8	26.9	27.8	31.0	34.9	37.6	38.6	37.9	36.3	34.9	34.4	34.4	33.1
28	34.3	33.9	33.4	33.1	33.4	33.0	32.2	31.2	29.9	30.4	29.1	29.9	33.9	28.9	29.6	31.9	34.4	36.3	38.9	38.9	37.8	37.7	38.3	37.0	33.4
29	34.9	32.6	30.3	28.9	29.4	30.8	30.8	32.0	32.4	31.5	32.6	32.9	29.8	28.3	30.6	31.7	34.3	36.4	36.9	36.5	35.6	35.4	34.6	34.5	32.4
30	34.3	32.8	32.8	31.0	32.2	32.3	32.7	32.1	32.5	31.8	31.5	31.5	32.4	34.3	35.5	36.8	36.9	37.9	38.4	37.3	36.3	34.8	34.6	34.2	33.8
31 Q	33.9	31.3	32.5	33.4	33.3	34.3	32.3	32.1	30.5	27.8	29.3	29.9	30.6	30.6	31.8	32.7	33.9	35.7	35.4	34.8	33.9	34.0	33.8	33.6	32.4
Mean	33.6	32.1	30.2	31.0	32.4	35.1	33.7	31.9	31.6	31.4	31.7	32.1	30.3	29.4	30.7	32.7	36.0	38.3	38.5	38.1	36.5	35.8	35.1	34.0	33.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 87. Agincourt. (Z.) 56,000 γ + October, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	564	554	547	528	521	515	518	516	517	515	518	518	518	517	511	501	501	507	515	519	525	523	521	517	521
2	517	515	514	513	514	514	513	513	511	511	512	515	512	506	502	499	497	497	500	505	508	514	514	512	509
3 D	511	511	511	509	510	512	502	479	460	407	458	456	453	472	485	468	494	517	543	584	608	609	590	580	509
4 D	631	579	521	377	547	511	505	521	521	529	526	532	527	526	543	533	531	532	532	544	538	536	535	535	530
5	537	541	541	536	529	501	500	520	511	491	439	476	499	508	512	522	517	523	535	554	561	543	539	537	520
6	544	535	523	541	523	355	437	472	485	410	469	491	509	521	523	523	527	532	538	546	544	531	527	527	505
7	524	524	524	526	527	527	527	525	524	524	522	520	519	519	519	520	532	539	554	583	586	566	559	544	535
8	534	536	520	524	530	526	524	524	522	521	523	524	522	524	521	519	519	523	530	529	528	525	526	525	525
9	550	573	561	546	529	520	484	288	454	517	526	529	513	483	478	507	511	519	527	538	540	534	526	524	511
10	523	522	523	521	520	523	522	522	522	520	522	520	523	522	519	513	517	523	525	523	526	528	525	524	522
11	521	522	520	518	517	518	518	518	514	516	516	517	518	519	518	510	508	510	510	511	511	517	522	531	517
12 Q	532	526	517	514	517	519	516	516	518	519	518	520	520	519	518	513	508	507	510	513	514	516	514	517	517
13 D	518	516	512	516	499	396	374	471	513	515	533	530	521	515	511	511	511	528	619	624	417	559	576	694	520
14 D	592	569	578	436	406	425	462	310	393	387	407	430	486	536	530	530	546	568	554	545	559	559	542	545	496
15 D	505	486	460	297	356	399	437	525	533	533	521	525	527	524	519	535	548	558	570	551	548	546	548	545	504
16	522	516	530	524	510	494	466	454	472	471	469	492	505	512	524	550	565	574	562	572	588	574	581	560	525
17	550	539	530	530	524	424	427	495	513	515	497	489	517	522	519	527	539	542	581	562	548	550	546	545	522
18	538	536	542	529	510	447	409	461	509	498	480	470	484	497	506	509	520	533	540	539	545	542	535	545	509
19	550	544	535	505	426	445	408	387	392	385	404	483	500	512	522	516	515	518	527	547	555	545	538	534	491
20 Q	528	525	527	523	522	519	511	499	505	508	508	514	519	515	514	509	514	516	522	522	523	524	523	520	517
21	519	518	518	518	521	512	518	519	517	520	517	520	522	525	524	512	514	518	527	526	522	527	544	556	522
22	538	528	521	519	521	521	519	515	518	520	520	524	527	527	523	519	521	523	527	529	532	529	523	521	524
23	521	519	518	518	517	515	517	512	472	468	470	480	486	506	522	515	514	523	531	527	529	529	535	541	512
24	550	540	532	531	527	526	521	520	516	517	518	521	520	519	517	512	509	512	517	517	519	520	516	516	521
25 Q	518	516	517	518	511	504	508	509	512	517	515	516	517	517	512	512	515	522	528	519	519	517	514	515	515
26	515	515	515	515	515	515	514	515	508	511	515	516	516	514	510	500	502	506	506	513	519	517	512	513	512
27 Q	512	510	509	509	510	510	510	511	509	511	511	512	512	508	506	504	502	503	506	509	513	512	508	508	509
28	507	507	506	506	506	507	497	497	505	506	506	506	499	500	497	495	495	500	506	511	515	512	515	515	505
29	518	517	518	523	518	513	507	511	510	507	510	507	507	507	507	500	501	507	511	517	523	524	517	513	512
30	514	515	518	514	513	509	511	511	510	510	507	510	510	506	501	500	499	500	506	510	513	516	517	518	510
31 Q	517	511	514	513	511	501	507	505	495	500	502	504	505	506	505	500	498	500	505	513	513	513	513	511	507
Mean	533	528	523	506	507	491	490	489	499	496	499	505	510	513	513	512	516	522	531	536	532	534	532	535	515

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 88. Agincourt. October, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	20	18	320	15	40	264	56	00	01	43.4	13	28	23.4	20.0	00	01	580	16	15	501	79
2	23	54	328	16	04	261	67	18	43	38.4	13	35	21.3	17.1	21	55	518	17	04	494	24
3 D	19	10	325	13	42	206	119	12	33	48.7	09	30	16.5	32.2	22	08	652	08	38	336	316
4 D	01	52	388	04	01	-025	413	05	10	65.4	03	32	-04.9	70.3	00	38	655	03	00	194	461
5	22	13	297	10	40	230	67	10	11	43.6	12	22	28.7	14.9	20	13	571	10	36	416	155
6	19	41	297	05	38	-057	354	06	00	81.0	07	32	18.5	62.5	04	08	562	05	55	255	307
7	20	00	313	16	10	234	79	17	19	43.4	12	35	25.1	18.3	20	00	597	15	10	513	84
8	23	48	309	16	02	249	60	23	50	40.6	02	23	20.6	20.0	02	10	539	02	44	508	31
9	00	03	323	07	47	-107	430	07	46	77.1	09	06	21.1	56.0	01	08	582	07	46	111	471
10	23	59	306	16	17	246	60	18	10	38.4	12	47	26.2	12.2	21	35	529	15	30	513	16
11	19	48	328	15	00	259	69	23	48	40.2	13	20	22.6	17.6	23	43	534	19	48	502	32
12 Q	23	12	299	14	36	261	38	00	12	40.7	13	20	27.4	13.3	00	27	534	17	40	505	29
13 D	22	30	765	08	02	-041	806	22	12	59.4	23	06	-01.6	61.0	23	34	751	20	36	253	498
14 D	00	01	353	07	50	-099	452	09	00	74.9	03	11	-10.1	85.0	00	01	672	08	52	139	533
15 D	00	57	334	05	30	-073	407	05	48	134.4	02	04	-42.6	177.0	00	28	584	05	45	-111	695
16	00	18	304	15	22	183	121	06	06	45.4	23	09	15.1	30.3	20	04	604	08	00	435	169
17	08	14	286	15	53	172	114	05	38	55.2	03	16	08.6	46.6	18	47	615	06	00	352	263
18	08	17	287	15	21	197	90	16	33	48.2	02	27	13.7	34.5	23	49	553	06	35	371	182
19	12	04	290	04	40	170	120	04	25	55.4	04	54	19.4	36.0	19	58	557	08	20	345	212
20 Q	11	28	295	16	28	258	37	18	04	37.4	13	03	25.3	12.1	00	10	529	07	29	493	36
21	21	42	304	19	29	248	56	19	44	42.8	12	45	25.2	17.6	23	21	557	05	15	503	54
22	22	59	299	15	51	248	51	20	35	39.6	14	00	24.8	14.8	00	05	547	07	27	511	36
23	11	28	299	16	20	226	73	17	16	42.1	09	50	26.5	15.6	23	59	549	08	56	449	100
24	20	50	293	16	50	257	36	19	23	38.7	15	30	24.7	14.0	00	19	563	16	25	506	57
25 Q	23	56	300	16	46	245	55	18	28	39.3	13	33	25.2	14.1	18	30	522	05	23	501	21
26	00	55	301	15	44	257	44	20	50	39.2	13	18	23.9	15.3	20	55	522	08	53	499	23
27 Q	21	51	304	16	04	251	53	17	49	39.4	13	30	25.5	13.9	20	39	513	15	30	501	12
28	08	00	303	16	20	266	37	18	50	39.8	13	38	26.7	13.1	23	55	519	06	50	488	31
29	00	47	293	03	15	249	44	18	09	37.6	03	22	26.8	10.8	21	20	525	16	02	496	29
30	11	34	301	18	22	270	31	18	12	39.0	03	38	28.8	10.2	02	40	521	17	02	496	25
31 Q	11	50	302	17	07	277	25	18	07	36.4	09	27	27.2	9.2	00	08	518	08	25	490	28
Mean			324			180	144			49.8			18.0	31.8			567			405	162
No. days			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, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	289	289	282	285	284	288	291	294	296	302	302	298	297	289	275	264	263	268	270	277	287	291	290	289	286
2	289	289	289	285	277	266	278	279	287	290	292	292	289	280	273	269	269	268	276	283	291	292	295	298	283
3	294	294	287	288	283	289	292	289	289	293	299	298	292	295	282	273	265	266	279	289	297	302	298	297	289
4	295	297	296	295	296	292	292	291	292	296	303	302	300	292	283	277	279	282	286	292	294	295	299	305	293
5	301	304	302	302	301	302	300	302	302	299	302	293	294	289	279	279	276	285	289	292	293	295	293	295	294
6	299	299	298	301	298	301	297	301	297	298	298	299	295	291	286	282	283	291	295	291	290	285	298	291	294
7	294	295	294	294	294	294	293	294	296	297	295	297	291	281	271	259	249	265	282	285	291	295	291	291	287
8 Q	297	294	295	295	297	296	296	297	297	294	297	294	287	275	272	268	262	263	276	288	291	295	301	299	288
9	299	298	301	301	301	295	294	295	294	296	297	296	291	282	274	273	275	278	291	293	296	296	298	301	292
10 Q	303	304	301	301	295	291	294	296	297	301	301	302	301	288	284	280	275	277	275	288	298	296	298	296	294
11	297	295	294	288	297	297	301	302	303	302	304	304	301	294	282	278	278	281	288	299	303	298	301	292	295
12 D	290	282	290	292	294	294	294	297	301	302	293	290	300	293	276	264	261	267	275	284	293	293	294	290	288
13 D	277	257	263	232	249	261	251	238	212	256	219	284	261	214	244	257	231	225	237	259	264	258	274	277	250
14 D	264	261	261	261	244	260	270	268	274	277	272	277	279	270	246	225	224	228	242	258	267	267	255	261	259
15	268	269	267	274	276	276	274	273	277	281	285	287	283	273	267	254	248	251	261	261	274	279	281	281	272
16	281	287	287	283	282	284	285	287	289	289	289	290	287	283	277	270	264	261	267	274	281	285	291	293	282
17	294	292	290	289	287	282	281	287	287	290	294	294	293	282	271	264	261	268	277	281	287	293	296	293	285
18 Q	293	294	294	294	293	294	294	294	290	296	296	290	287	275	267	261	259	263	275	285	293	300	302	303	287
19	302	300	300	300	297	300	302	302	306	305	303	301	295	281	267	264	263	254	256	274	286	293	297	294	289
20	284	287	284	287	285	274	277	281	281	278	283	284	281	274	263	255	248	256	268	274	282	285	290	296	277
21	297	297	293	288	288	289	289	287	290	293	293	290	287	280	274	264	263	268	277	285	292	297	300	300	287
22 Q	299	299	299	299	299	299	299	299	300	300	300	299	295	288	282	280	281	282	289	294	299	299	300	302	295
23 Q	302	301	301	301	302	302	304	305	307	308	307	305	305	299	293	289	288	289	294	294	294	299	305	307	300
24	307	309	309	308	304	296	300	303	304	306	306	306	306	301	294	288	279	282	288	286	288	292	276	289	297
25 D	280	271	273	274	260	230	255	276	276	282	294	299	302	299	290	280	279	279	278	286	286	267	254	256	276
26 D	261	254	267	263	256	250	280	266	269	266	281	281	286	286	269	260	253	257	266	270	269	282	289	285	269
27	286	283	281	276	279	276	280	282	286	284	289	287	286	280	267	258	255	260	255	273	282	289	292	289	278
28	288	289	292	289	283	282	288	289	289	289	283	288	293	278	269	262	261	263	263	274	282	289	293	294	282
29	293	292	286	288	287	287	289	292	291	282	295	296	295	288	276	263	260	260	269	280	287	289	292	295	285
30	294	289	286	282	286	291	292	289	288	288	291	292	296	292	289	281	273	270	270	276	286	292	289	286	286
31																									
Mean	290	289	289	287	286	285	287	289	289	291	292	294	292	283	274	268	264	266	274	281	287	289	291	291	285

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 90. Agincourt. (D.) West. 7° + . . . ′ November, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	33.3	32.0	31.9	33.2	32.0	32.4	32.3	32.7	29.8	28.9	29.4	35.6	33.9	28.9	30.4	32.3	34.8	36.3	36.8	36.3	35.4	34.9	34.3	33.9	33.0
2	33.3	32.9	33.0	32.4	30.2	32.0	28.7	29.6	28.4	30.3	31.4	30.9	29.4	28.7	30.9	31.8	33.0	33.5	34.7	34.3	33.5	33.5	33.4	32.9	31.8
3	33.8	31.3	32.4	32.4	31.6	30.7	30.4	31.5	31.2	31.6	31.6	31.0	32.7	31.2	28.3	29.9	33.4	36.5	37.9	36.9	35.4	35.1	35.1	35.1	32.8
4	34.8	31.7	31.3	31.8	31.9	31.3	31.9	31.0	29.4	31.2	30.4	31.0	30.4	29.3	29.2	31.3	33.7	35.1	35.9	35.8	34.8	34.3	34.0	33.3	32.3
5	33.3	32.7	32.1	31.6	31.7	31.8	31.7	31.9	30.4	32.8	31.4	31.9	29.9	29.3	29.3	31.8	34.4	35.6	36.4	36.9	36.3	35.1	34.3	33.6	32.8
6	32.9	33.0	32.3	32.5	32.9	31.9	31.0	31.4	31.9	31.6	31.3	31.4	30.9	28.6	29.4	31.6	33.8	36.3	37.8	36.3	36.1	35.3	34.4	32.6	32.8
7	32.7	33.7	31.8	32.9	33.2	32.3	32.6	32.6	30.9	30.6	31.0	30.8	30.5	28.6	29.9	30.9	36.3	39.3	37.8	36.0	34.3	33.1	33.2	33.0	32.8
8 Q	32.9	32.5	32.8	32.6	32.1	32.0	32.2	32.4	31.3	31.3	30.9	29.3	28.1	28.6	28.9	32.3	34.6	35.9	35.8	35.3	34.0	33.9	33.4	32.7	32.3
9	32.6	32.2	32.0	29.7	31.5	32.8	32.9	32.6	31.5	32.4	30.7	30.5	29.6	28.7	29.8	31.9	34.3	35.8	36.0	34.9	34.6	34.6	33.9	32.7	32.4
10 Q	32.3	32.0	31.5	31.9	32.4	32.9	32.0	32.1	31.7	31.4	30.5	30.0	29.4	28.5	27.4	30.6	34.0	37.0	38.1	37.4	36.3	35.0	34.1	33.0	32.6
11	32.5	32.2	31.0	29.7	32.1	32.3	32.7	32.2	31.5	31.9	30.5	29.9	27.8	26.4	27.9	31.0	34.0	36.1	36.9	36.4	35.2	34.6	36.9	35.7	32.4
12 D	35.7	32.9	31.9	32.4	32.4	32.1	31.8	31.5	30.8	29.9	29.7	34.7	30.9	28.4	28.8	32.9	36.0	38.1	37.9	37.4	36.3	35.0	33.7	32.7	33.1
13 D	32.4	30.8	31.3	29.4	24.8	28.8	33.3	29.7	25.7	28.4	39.7	45.2	40.0	38.4	45.5	37.9	38.4	39.4	40.6	38.7	38.5	34.6	34.3	32.4	34.9
14 D	30.7	15.7	38.2	26.5	28.4	34.9	34.1	33.0	34.4	31.5	33.5	31.9	29.2	27.5	27.4	33.0	35.0	38.7	41.0	39.7	38.0	36.4	32.8	29.8	32.1
15	29.5	27.7	28.0	29.7	30.6	32.3	32.8	35.4	34.0	32.0	31.5	31.0	30.5	30.4	30.6	31.1	33.9	36.5	38.4	38.0	36.9	35.5	34.0	33.1	32.6
16	32.0	30.5	31.6	32.2	32.7	32.7	32.9	32.7	34.4	32.3	32.0	30.7	30.5	29.9	30.5	33.3	35.3	37.5	38.4	38.7	37.9	35.4	33.7	32.5	33.3
17	32.3	32.3	32.1	32.1	32.0	32.0	33.3	33.1	31.8	30.7	30.5	30.7	30.5	29.7	30.3	32.4	35.0	37.0	37.5	37.0	36.0	35.0	34.4	33.3	33.0
18 Q	32.0	31.6	32.2	32.0	32.4	32.7	32.4	32.0	33.5	31.5	30.1	29.6	29.5	27.6	29.0	31.0	33.0	35.4	36.5	36.6	36.0	34.8	33.6	32.8	32.4
19	32.6	32.1	31.8	32.1	32.2	32.4	32.5	32.4	31.7	30.7	31.5	30.5	29.4	27.4	32.3	37.0	35.7	38.4	41.5	40.4	37.8	35.9	33.9	32.6	33.5
20	31.7	30.9	31.9	31.7	32.3	31.7	32.9	31.5	32.0	32.1	31.0	30.4	29.4	28.3	27.9	30.1	33.0	35.0	36.1	35.3	35.0	34.4	33.1	32.0	32.1
21	31.4	30.8	31.0	30.4	31.0	31.0	30.5	31.1	31.0	30.5	30.0	29.5	29.3	28.0	27.9	29.7	32.7	34.0	35.4	34.0	32.7	32.0	31.7	31.0	31.1
22 Q	30.6	30.5	30.5	30.4	30.6	31.0	31.4	30.9	30.9	30.6	30.3	30.0	29.4	28.9	29.7	30.7	32.5	34.0	34.9	34.0	33.4	33.3	32.4	32.1	31.4
23 Q	31.7	30.9	30.5	30.7	31.4	31.5	31.5	31.5	32.0	30.4	29.9	29.7	29.5	28.9	29.0	30.5	31.9	34.1	34.7	34.0	33.8	33.7	32.7	31.9	31.5
24	31.7	30.7	30.6	30.8	31.4	31.6	32.0	31.4	30.9	30.5	29.7	29.0	28.7	28.0	29.5	29.9	32.7	34.7	36.7	37.0	37.1	37.7	37.4	39.0	32.5
25 D	34.9	31.7	28.0	29.9	28.5	24.4	25.4	28.9	30.5	29.4	29.4	30.9	29.7	30.7	30.9	35.8	37.5	37.9	36.7	35.4	35.4	40.4	36.4	34.0	32.2
26 D	31.6	29.4	29.5	31.5	37.0	35.4	30.6	28.5	32.3	37.1	33.1	33.2	30.5	29.6	30.9	31.5	35.4	37.3	37.8	36.3	35.4	33.1	33.0	32.4	33.0
27	32.1	31.0	31.5	27.9	26.0	30.9	33.2	34.0	33.5	32.7	31.9	33.2	30.1	28.5	28.7	30.5	33.3	35.4	37.5	37.8	35.9	34.0	32.7	32.0	32.3
28	31.7	31.6	31.6	32.0	30.5	32.0	33.3	32.3	32.0	30.7	32.0	31.6	28.6	28.9	29.9	32.0	34.1	36.9	37.9	37.7	37.0	34.9	33.0	32.3	32.7
29	31.6	31.5	31.8	32.2	32.0	32.4	32.8	32.4	31.9	36.4	31.9	28.8	30.4	30.9	32.0	33.8	35.4	36.8	37.4	37.4	36.2	34.4	32.9	32.3	33.2
30	32.3	32.4	32.2	29.6	31.9	31.9	32.6	33.4	31.4	31.8	32.2	32.9	31.4	30.3	31.4	32.9	34.5	35.6	36.8	37.3	36.9	35.3	33.9	32.3	33.0
31																									
Mean	32.5	31.1	31.3	31.2	31.4	31.8	32.0	31.9	31.5	31.5	31.3	31.6	30.4	29.3	30.2	32.1	34.4	36.4	37.3	36.7	35.8	34.9	33.9	33.0	32.6

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 91. Agincourt. (Z.) 56,000 γ + November, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	511	510	510	512	512	509	505	491	498	499	503	496	493	501	505	507	512	513	517	519	518	515	513	511	508
2	509	510	511	508	501	504	496	503	503	505	507	510	510	515	519	513	516	513	514	513	511	508	509	510	509
3	508	507	508	508	508	498	492	503	507	507	507	508	511	511	507	503	504	505	507	511	513	513	514	517	507
4	516	513	512	510	508	508	508	496	502	506	507	506	507	506	501	491	491	494	498	500	504	506	509	507	504
5	506	507	506	506	507	506	507	506	504	495	482	496	503	502	500	499	497	500	506	510	510	512	510	507	503
6	506	506	508	506	507	506	504	506	507	504	504	503	501	499	498	496	496	503	506	506	510	507	513	513	505
7	516	514	512	512	511	510	508	507	507	506	506	506	507	504	500	498	501	508	509	510	510	510	510	509	508
8 Q	509	507	506	505	504	506	506	507	506	504	504	503	506	506	503	496	500	503	506	507	508	507	506	506	505
9	504	504	504	502	500	504	506	506	506	506	506	506	506	505	500	499	498	503	504	506	506	506	506	506	504
10 Q	506	505	504	506	506	507	507	506	506	504	504	503	503	502	500	493	497	503	509	512	512	510	509	508	505
11	507	506	505	506	506	506	504	504	502	502	501	500	500	500	497	493	492	495	500	506	506	506	510	514	503
12 D	525	525	515	511	506	505	505	503	503	502	499	485	482	485	486	488	491	495	500	505	508	509	511	512	502
13 D	521	522	523	527	498	487	446	358	431	464	411	394	414	452	488	506	517	526	534	535	547	558	527	526	484
14 D	524	511	515	515	503	469	485	506	514	511	508	512	511	514	515	522	529	529	530	532	532	534	542	544	517
15	533	532	526	521	514	512	505	496	493	499	506	509	509	508	507	506	506	506	512	513	518	518	517	515	512
16	515	515	512	511	510	511	511	509	508	508	508	507	506	509	507	505	511	517	519	518	515	513	513	511	511
17	509	509	508	508	508	508	507	505	508	508	506	505	505	505	505	500	198	500	505	507	511	509	508	507	506
18 Q	505	503	503	503	505	505	505	503	498	495	499	501	502	502	501	500	502	503	505	508	509	509	505	503	503
19	502	501	501	501	501	502	502	501	501	499	499	500	501	501	504	499	497	498	501	511	510	507	508	505	502
20	507	513	516	511	510	511	508	508	508	508	510	508	510	510	508	502	504	510	514	514	513	512	510	508	510
21	506	505	508	508	507	507	500	496	497	504	504	502	504	502	500	499	498	499	502	505	505	504	504	502	503
22 Q	501	501	501	501	500	500	500	500	500	499	500	501	501	499	500	501	499	502	505	508	505	504	503	501	501
23 Q	500	500	502	500	500	499	498	498	498	495	495	498	498	495	495	496	493	493	497	501	502	502	501	499	498
24	498	498	498	496	496	498	499	498	497	497	496	495	495	495	497	487	482	487	490	495	502	505	516	528	498
25 D	535	534	520	510	495	457	453	482	487	477	469	468	472	475	476	481	486	490	492	501	511	548	572	546	497
26 D	531	534	520	508	504	449	481	483	477	479	487	502	507	505	502	505	501	505	508	513	515	516	514	513	502
27	509	509	509	506	497	499	501	497	500	501	501	503	507	507	506	503	507	509	510	512	511	510	507	507	506
28	506	506	503	503	501	495	491	497	500	500	497	497	501	504	507	506	503	504	509	509	509	509	507	507	503
29	506	505	506	506	506	505	504	503	501	494	489	489	491	492	494	490	492	494	504	510	510	509	509	505	501
30	504	503	503	503	504	503	500	491	493	500	501	503	501	499	498	494	497	495	500	506	509	509	507	507	501
31																									
Mean	511	511	509	505	505	500	498	496	499	499	498	498	499	501	501	499	501	503	507	510	512	513	513	512	504

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 92. Agincourt. November, 1939.

Day	Horizontal Intensity						Declination							Vertical Intensity						
	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	12	13	302	16	10	259	43	11	34	37.8	13	36	26.9	10.9	19	11	519	07	37	480	39
2	23	08	299	05	12	259	40	18	30	34.7	06	40	27.3	7.4	19	00	516	06	30	493	23
3	20	48	305	16	43	261	44	18	30	38.3	14	24	27.3	11.0	23	30	519	05	57	455	64
4	23	12	308	15	34	276	32	19	17	36.4	13	08	27.8	8.6	00	37	518	16	17	489	29
5	10	22	309	16	24	276	33	19	38	36.9	14	00	26.9	10.0	19	36	513	10	25	474	39
6	20	25	303	20	56	278	25	18	43	38.4	13	49	27.1	11.3	23	55	518	15	00	494	24
7	11	25	301	16	18	245	56	17	11	40.1	14	00	27.4	12.7	00	27	518	16	15	496	22
8 Q	22	50	302	16	50	259	43	18	09	36.2	14	00	26.1	10.1	00	04	510	15	40	495	15
9	03	55	310	15	18	271	39	18	38	36.3	03	48	26.2	10.1	19	24	507	04	05	494	13
10 Q	00	04	305	17	03	275	30	18	53	38.4	14	30	26.4	12.0	20	05	515	16	05	491	24
11	10	29	304	15	38	275	29	22	36	37.7	13	37	26.0	11.7	23	56	517	16	25	490	27
12 D	12	25	303	15	38	257	46	17	20	38.8	14	12	24.6	14.2	01	10	533	12	00	477	56
13 D	11	37	315	08	10	151	164	11	15	54.6	08	08	11.7	42.9	21	15	582	08	10	252	330
14 D	12	26	284	16	53	215	69	18	29	41.7	01	17	-12.5	54.2	23	18	549	05	41	454	95
15	11	51	289	15	48	242	47	18	34	39.0	02	07	26.3	12.7	00	10	535	08	25	489	46
16	23	37	294	17	33	257	37	19	12	38.9	13	20	28.7	10.2	18	10	519	08	45	505	14
17	22	40	296	16	45	257	39	18	55	38.0	13	49	28.5	9.5	19	55	511	16	25	496	15
18 Q	22	09	303	16	12	256	47	18	54	36.9	12	47	27.0	9.9	21	12	511	09	05	491	20
19	09	35	308	17	33	244	64	18	55	42.5	13	20	26.4	16.1	19	55	515	17	33	494	21
20	23	37	297	16	28	245	52	18	55	36.7	01	06	22.4	14.3	02	05	516	16	00	502	14
21	22	33	302	16	10	261	41	18	05	35.7	13	05	25.7	10.0	03	35	508	08	15	490	18
22 Q	22	52	306	15	30	280	26	18	42	35.0	14	13	28.6	6.4	20	05	508	16	45	499	9
23 Q	09	00	312	16	12	286	26	18	36	34.8	13	47	28.2	6.6	19	43	504	17	24	492	12
24	01	16	311	22	30	269	42	23	14	40.4	13	54	26.0	14.4	23	59	534	16	15	479	55
25 D	13	04	305	05	48	208	97	21	53	43.7	06	43	17.5	26.2	22	37	587	05	48	426	161
26 D	12	45	293	05	20	243	50	05	03	46.9	07	22	26.0	20.9	01	43	544	05	23	434	110
27	11	00	294	18	34	250	44	18	56	38.7	04	06	20.9	17.8	18	40	513	04	40	491	22
28	12	18	296	15	33	256	40	05	50	38.1	04	58	25.5	12.6	18	50	511	06	05	486	25
29	10	55	300	17	00	255	45	18	40	37.9	11	29	27.6	10.3	22	10	510	10	55	486	24
30	12	30	299	17	57	268	31	19	54	37.9	03	24	26.6	11.3	21	50	509	07	45	487	22
31																					
Mean			302			255	47			38.9			24.4	14.5			522			476	46
No. days			30			30	30			30			30	30			30			30	30

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 93. Agincourt. (H.) 15,000 γ + December, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	284	280	279	286	288	280	288	298	298	297	294	297	298	293	286	280	274	274	282	289	292	299	302	302	289
2	301	301	301	299	296	295	293	294	296	295	299	299	293	286	280	273	273	282	291	295	289	292	295	301	292
3	299	299	299	296	295	295	295	294	294	296	299	302	300	293	289	280	275	280	286	293	300	308	294	302	294
4	294	280	282	288	286	285	289	292	293	295	295	295	294	286	281	272	267	269	276	282	289	299	302	306	287
5	306	306	302	304	302	301	299	299	302	305	306	302	293	286	283	270	254	252	262	266	274	282	289	280	289
6 D	282	282	282	283	280	281	287	293	293	288	292	291	292	293	286	279	280	286	292	299	284	276	283	273	285
7 D	276	250	245	215	237	247	235	188	175	254	292	289	276	276	236	234	237	230	240	260	262	262	250	266	247
8 D	281	264	230	214	234	210	218	230	222	262	280	287	283	278	268	226	224	231	250	247	251	260	266	256	249
9	256	263	260	261	262	262	262	253	254	266	280	271	270	257	273	256	241	239	244	261	270	273	277	276	262
10	276	276	274	270	274	279	273	273	267	270	276	282	280	266	260	254	255	260	265	273	276	267	274	280	271
11	279	275	279	284	276	275	279	276	273	278	282	276	279	269	262	260	258	256	263	270	275	276	281	286	274
12	281	278	282	282	279	280	281	280	283	285	288	288	286	274	267	251	254	255	269	279	284	284	267	274	276
13	274	275	273	272	276	273	280	274	279	280	280	282	280	270	257	247	248	250	260	269	279	285	289	286	272
14 Q	282	279	281	282	281	281	286	285	286	286	288	288	288	281	276	266	267	273	276	287	293	294	298	294	283
15	288	282	280	280	276	276	280	276	282	286	288	289	287	280	273	263	257	274	279	283	282	286	289	289	280
16	287	286	284	286	289	287	289	290	293	292	292	293	293	293	291	286	280	279	286	289	294	294	284	262	287
17	266	275	279	275	275	276	278	277	275	275	279	282	281	279	273	266	262	261	267	273	278	286	288	287	275
18 Q	287	285	282	286	287	287	285	284	285	285	285	286	283	279	272	268	266	269	278	283	286	292	294	293	283
19 Q	292	291	288	287	287	282	288	291	292	292	292	293	292	285	268	261	260	268	279	286	292	297	298	298	286
20 Q	298	298	297	293	292	292	293	293	293	293	294	294	298	292	285	275	278	284	291	294	303	311	311	301	294
21 D	300	299	292	288	285	274	246	280	280	266	279	300	291	275	266	279	278	275	275	273	267	272	285	275	279
22 D	248	279	272	259	246	261	265	253	272	285	280	287	281	261	255	240	248	260	262	268	262	265	275	285	265
23	285	281	275	266	268	285	280	272	266	262	272	285	285	278	269	262	263	266	273	279	281	281	275	273	274
24	272	286	285	273	278	272	272	281	273	268	276	286	283	271	264	262	262	266	275	279	275	275	285	280	275
25	279	274	256	272	282	282	286	285	285	287	285	283	283	277	259	259	262	268	275	281	282	277	279	279	276
26	280	280	275	275	279	285	281	281	287	289	289	288	287	285	275	265	262	264	272	280	285	293	296	299	281
27	304	300	300	301	307	295	294	295	292	296	299	298	294	291	280	273	277	288	294	285	288	298	299	300	294
28	298	298	293	291	292	288	281	288	293	291	287	287	285	279	275	271	268	270	268	280	292	293	298	294	286
29	288	293	287	288	291	288	288	288	290	288	285	286	285	273	262	252	263	280	285	283	285	294	294	293	284
30	284	288	292	291	288	287	287	288	293	292	293	287	282	276	269	261	259	266	280	285	288	293	298	298	284
31 Q	294	292	293	293	297	297	291	290	292	292	291	290	287	278	264	254	260	271	283	292	297	299	299	303	287
Mean	284	283	280	278	280	279	279	278	279	283	287	288	287	279	271	262	261	266	273	279	282	285	287	287	279

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 94. Agincourt. (D.) West. 7° + . . . ′ December, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	31.8	30.9	30.4	30.8	31.3	30.6	31.6	32.1	31.5	30.8	32.1	32.4	30.6	29.3	28.7	29.9	32.7	34.7	36.4	37.7	37.6	35.9	33.9	33.8	32.4
2	32.7	32.6	31.7	31.4	31.9	32.3	31.6	30.5	30.4	29.6	30.8	31.3	30.8	31.2	30.8	32.5	34.9	37.4	38.3	37.8	38.3	37.5	35.0	33.6	33.1
3	33.2	32.6	31.5	32.5	32.3	32.0	32.0	33.7	31.9	30.3	31.5	31.8	31.5	30.4	29.9	31.2	33.9	36.3	37.1	37.4	36.8	37.1	37.1	36.4	33.4
4	36.8	36.8	31.6	30.7	31.9	32.0	30.4	30.5	32.4	32.6	32.3	32.3	31.8	30.4	30.2	31.0	32.8	34.4	35.6	35.9	35.5	34.6	33.7	33.3	32.9
5	32.6	32.4	31.8	31.4	31.8	32.1	32.3	32.3	31.9	31.7	31.6	31.1	31.4	31.6	31.4	33.4	37.0	40.4	39.3	39.6	39.6	36.8	35.6	36.1	34.0
6 D	35.0	30.9	30.8	32.3	31.8	31.9	32.3	32.6	31.9	30.4	31.8	31.0	29.9	28.6	28.4	30.0	32.0	34.3	36.6	38.3	40.9	43.5	45.4	38.9	33.7
7 D	33.8	30.4	10.3	16.8	26.9	30.3	37.3	42.7	42.3	38.4	30.3	31.9	34.8	34.3	39.4	45.3	41.4	41.9	41.8	42.8	40.4	36.4	34.5	30.4	34.8
8 D	31.9	31.8	29.8	41.4	28.1	29.1	31.4	26.7	40.5	31.9	32.7	40.6	35.7	32.6	32.1	36.0	38.0	40.3	39.6	37.4	36.4	33.3	32.6	31.6	34.2
9	24.3	30.9	30.8	29.1	27.9	31.3	33.5	36.7	37.8	31.7	29.1	35.4	35.0	37.8	32.3	32.8	35.0	36.4	35.8	34.9	33.8	32.5	32.3	31.9	32.9
10	31.5	31.4	31.8	31.3	32.1	34.3	33.7	31.5	31.0	31.7	33.0	31.0	32.7	32.0	31.9	32.0	34.1	35.0	35.6	35.3	35.4	34.3	32.8	32.6	32.8
11	32.3	31.0	28.4	32.3	31.9	33.3	33.8	34.3	36.3	32.0	29.3	32.4	33.0	31.6	31.6	32.5	34.7	35.9	36.3	35.3	34.5	33.4	32.6	32.6	33.0
12	32.5	31.5	27.9	32.8	32.4	33.4	33.6	34.2	33.7	31.7	30.6	31.4	30.6	29.3	27.9	32.3	34.8	36.6	37.8	35.7	33.8	33.6	32.8	32.6	32.6
13	30.9	30.3	29.3	30.4	28.9	32.0	32.1	32.4	31.8	31.5	30.8	30.9	29.4	29.3	32.6	32.9	35.4	36.8	37.4	36.4	34.9	33.8	32.9	32.7	32.3
14	32.3	29.9	31.5	32.4	32.3	32.5	33.7	32.8	31.8	31.6	30.3	29.8	28.9	28.3	27.8	30.6	33.3	35.3	35.8	35.2	34.4	33.3	32.3	32.0	32.0
15	32.5	32.3	30.8	30.9	33.0	29.6	30.1	32.3	31.9	29.8	29.3	28.9	28.3	27.9	28.9	33.0	36.9	36.5	35.8	34.8	33.7	32.7	32.4	31.4	31.8
16	30.4	29.9	29.8	29.6	30.4	31.8	31.3	31.5	30.9	30.4	29.9	29.8	29.4	28.6	29.3	30.9	32.4	33.9	34.0	33.6	33.1	34.4	34.3	33.5	31.4
17	32.0	30.9	30.9	31.1	31.4	31.5	32.4	31.5	32.9	31.7	31.3	31.2	30.4	30.1	30.6	32.3	33.9	34.8	35.7	36.5	35.9	34.6	34.3	33.3	32.6
18 Q	32.9	33.1	32.5	32.3	32.6	32.1	32.0	31.9	32.7	31.9	32.1	31.9	31.8	30.7	30.3	31.3	32.6	34.3	35.3	35.4	35.3	34.8	33.4	32.9	32.8
19 Q	32.5	31.9	31.9	32.1	32.9	33.5	32.3	32.8	32.5	32.2	31.9	31.4	30.2	28.1	28.2	29.7	31.8	34.2	34.5	34.2	33.5	33.2	31.9	31.8	32.1
20 Q	31.2	30.3	30.4	30.7	31.2	31.4	31.2	31.3	31.3	31.2	31.2	30.7	30.2	29.2	29.2	30.2	32.5	33.8	34.3	33.7	34.5	35.3	36.2	34.2	31.9
21 D	32.3	30.7	31.2	32.0	30.5	32.3	37.7	28.8	28.3	26.7	34.8	27.2	28.4	30.8	37.9	40.8	38.5	36.2	35.5	36.3	37.6	34.8	33.4	34.3	33.2
22 D	30.4	29.9	31.2	30.2	30.1	34.3	30.3	28.6	27.6	30.6	33.2	31.6	31.0	39.2	42.7	39.4	39.1	38.4	37.2	35.3	34.7	35.2	33.5	32.1	33.6
23	31.2	32.0	32.6	31.8	28.1	35.1	32.1	31.7	34.2	36.2	34.7	32.7	28.7	29.6	30.7	31.6	32.5	33.6	33.4	32.6	32.6	32.7	32.4	32.1	32.3
24	30.7	30.1	31.7	32.6	32.1	34.1	35.7	33.4	29.4	33.0	33.3	30.2	29.4	29.7	31.9	34.8	34.9	34.1	33.8	34.7	34.2	33.9	32.5	32.0	32.6
25	31.0	30.3	28.0	29.0	30.1	30.3	31.7	30.1	28.6	29.6	30.3	30.6	29.0	27.3	30.6	32.0	32.4	33.5	33.7	33.5	33.7	33.7	33.1	31.8	31.0
26	30.7	29.5	30.3	30.1	29.1	29.1	29.6	30.6	30.6	31.5	31.0	31.1	29.5	28.6	29.3	30.2	31.3	32.0	33.1	32.9	32.0	31.6	31.4	31.0	30.7
27	30.1	30.2	30.1	30.5	30.5	30.3	30.0	29.6	30.3	30.6	27.0	27.0	27.3	28.1	29.3	32.6	36.0	35.6	34.5	35.4	34.6	32.5	31.6	30.4	31.0
28	29.4	29.9	30.0	29.9	30.2	31.1	30.4	30.3	29.5	28.9	30.0	26.5	26.0	28.6	30.1	31.5	32.7	32.2	33.9	34.0	33.0	32.9	32.5	34.2	30.7
29	29.9	30,5	30.0	29.7	31.0	20.2	31.9	30.0	29.6	29.9	30.1	29.1	29.2	30.0	30.5	33.4	35.1	33.5	34.5	35.0	34.3	32.4	31.9	31.5	31.4
30	29.9	31.0	30.2	30.2	30.4	30.4	30.0	30.0	29.5	29.8	31.1	30.2	30.4	28.3	38.5	31.9	33.5	34.6	34.1	34.0	33.2	31.9	31.8	30.5	31.1
31 Q	29.8	29.8	30.2	30.3	29.9	31.9	31.1	30.8	30.0	29.1	29.3	29.8	29.3	28.3	29.8	31.5	33.4	34.1	34.2	33.3	32.2	30.8	30.3	30.1	30.8
Mean	31.6	31.2	30.0	30.9	30.8	31.8	32.2	31.9	32.1	31.3	31.2	31.1	30.5	30.3	31.1	32.9	34.5	35.5	35.9	35.7	35.2	34.3	33.6	32.8	32.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 95. Agincourt. (Z.) 56,000 γ + December, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	507	507	505	506	503	503	500	504	500	499	497	494	497	497	493	493	493	495	499	503	503	503	501	504	500
2	503	503	502	501	502	503	501	503	497	501	500	500	501	501	500	496	499	499	503	506	507	510	506	509	502
3	504	503	503	503	503	501	497	501	500	495	497	497	497	499	496	490	490	492	497	501	504	504	500	503	499
4	509	524	532	511	508	506	502	502	506	503	502	500	502	499	498	497	498	496	500	502	505	503	501	500	505
5	500	499	499	498	496	497	496	496	496	495	496	496	496	490	485	480	490	497	506	514	516	515	518	526	500
6 D	526	518	515	511	508	507	506	505	502	500	502	499	500	495	490	485	488	493	497	500	510	603	618	577	515
7 D	541	538	497	476	477	514	495	431	382	420	464	485	500	497	493	510	499	506	526	544	549	543	539	534	498
8 D	522	516	518	499	497	435	408	429	435	455	470	466	476	487	493	490	508	515	525	532	532	520	518	518	490
9	518	515	512	506	499	503	500	485	473	477	485	490	484	495	495	496	499	505	513	514	514	514	509	505	500
10	505	506	504	502	502	495	496	496	497	499	493	492	493	499	502	499	502	503	505	508	508	509	509	506	501
11	504	504	502	502	500	503	502	496	484	482	488	493	496	498	502	495	496	496	500	505	505	505	505	503	499
12	499	499	497	493	499	498	496	495	496	494	493	492	495	496	495	493	494	502	505	505	505	505	505	508	498
13	509	508	505	502	490	496	497	501	501	496	495	499	501	501	496	488	492	495	501	505	505	502	501	501	499
14 Q	499	499	499	499	498	497	494	492	492	495	494	493	495	495	493	490	493	494	499	500	497	496	495	494	495
15	495	499	503	505	486	484	493	495	499	502	498	495	495	493	492	486	487	493	499	498	498	500	501	499	496
16	499	499	499	498	499	498	497	496	495	495	493	493	495	494	491	489	489	490	495	493	495	498	519	537	498
17	522	516	507	504	501	501	500	497	496	493	495	497	498	496	492	484	487	489	495	499	501	501	501	499	499
18 Q	501	501	503	505	502	501	500	498	498	497	497	496	495	496	493	488	493	493	495	498	499	499	497	495	498
19 Q	495	495	495	494	493	495	497	496	495	494	495	493	494	495	491	491	491	494	498	496	496	494	494	492	494
20 Q	491	491	491	491	490	491	491	491	492	490	490	491	491	491	490	487	488	488	491	492	494	495	494	495	491
21 D	495	494	494	500	500	493	458	493	495	485	457	462	482	477	483	482	488	490	496	500	507	510	504	509	490
22 D	529	518	507	501	506	489	494	477	447	478	480	478	483	477	470	485	501	501	504	503	506	504	500	498	493
23	496	497	496	496	497	484	495	492	471	475	484	488	490	490	492	493	492	497	503	502	500	498	498	500	493
24	500	493	488	494	492	491	488	494	491	477	480	484	489	489	490	491	494	495	500	500	501	502	503	501	493
25	500	500	501	501	500	496	490	483	483	486	488	494	497	495	493	489	491	494	496	497	498	500	500	500	495
26	500	497	494	491	485	467	482	489	490	490	490	490	491	494	495	497	495	494	494	494	494	494	495	494	491
27	493	490	488	488	488	486	489	488	480	454	475	480	485	484	484	483	492	495	494	492	500	496	495	495	487
28	491	490	490	493	490	491	490	493	490	485	482	476	480	482	486	488	493	496	499	502	502	496	500	506	492
29	506	502	501	500	497	495	496	496	494	493	492	491	491	490	490	491	497	497	495	497	499	497	496	499	496
30	499	497	494	492	493	493	494	493	493	490	491	491	490	487	485	486	493	495	494	494	497	496	494	493	493
31 Q	491	491	491	491	485	487	490	491	490	487	489	492	491	489	487	487	490	493	487	495	495	491	490	488	490
Mean	505	504	501	499	496	494	491	490	486	486	489	490	492	492	491	490	494	496	501	503	505	507	507	506	496

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 96. Agincourt. December, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	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	53	308	17	20	270	38	19	47	38.8	06	00	22.6	16.2	06	37	510	06	08	486	24
2	08	04	304	16	00	266	38	18	04	39.3	09	35	29.0	10.3	21	20	510	08	15	491	19
3	21	21	312	16	43	273	39	19	44	38.4	14	30	29.4	9.0	23	59	505	15	58	490	15
4	23	28	307	16	08	266	41	00	57	40.4	06	47	28.8	11.6	01	45	530	17	40	496	34
5	00	45	308	16	14	248	60	17	23	41.6	13	48	30.2	11.4	23	57	532	15	40	479	53
6 D	21	58	343	21	03	223	120	21	58	57.4	14	39	27.4	30.0	22	30	647	15	45	483	164
7 D	02	33	335	07	52	115	220	07	50	49.4	02	46	-17.9	67.3	02	35	595	07	54	333	262
8 D	00	27	328	06	34	183	145	03	50	53.3	07	00	19.3	34.0	20	23	538	06	13	364	174
9	10	15	284	18	17	228	56	07	46	40.3	00	13	16.9	23.4	00	15	526	08	55	462	64
10	12	16	286	15	04	249	37	20	38	36.1	14	48	29.0	7.1	21	57	511	10	55	485	26
11	23	28	288	17	01	253	35	08	29	38.9	02	40	24.4	14.5	20	15	506	08	42	476	30
12	02	45	306	15	34	247	59	18	04	38.6	02	40	22.7	15.9	23	20	510	16	30	488	22
13	22	28	291	15	13	245	46	18	23	37.5	04	35	25.8	11.7	00	35	509	04	42	485	24
14 Q	22	43	299	15	34	262	37	18	20	36.2	14	14	27.0	9.2	02	17	501	07	00	487	14
15	12	08	295	16	30	254	41	16	38	38.7	12	05	26.5	12.2	03	07	507	04	40	468	39
16	22	33	301	23	13	253	48	22	42	38.8	14	18	27.4	11.4	22	58	551	16	39	486	65
17	21	53	294	16	42	259	35	19	43	36.8	12	13	29.2	7.6	00	02	525	16	00	486	39
18 Q	22	00	294	16	52	265	29	18	21	35.5	02	33	29.3	6.2	03	08	507	15	35	488	19
19 Q	23	37	299	16	03	259	40	18	19	34.7	14	17	27.4	7.3	06	45	498	16	20	487	11
20 Q	22	08	317	15	50	273	44	22	42	36.7	14	18	28.5	8.2	23	53	495	16	00	485	10
21 D	10	57	311	06	13	214	97	06	08	49.8	09	12	23.8	26.0	23	58	516	06	20	430	86
22 D	12	30	294	15	55	220	74	13	47	45.6	00	51	17.4	28.2	00	45	542	08	37	409	133
23	05	59	295	15	35	253	42	09	27	37.4	04	00	22.7	14.7	04	05	503	09	00	457	46
24	01	50	294	17	20	261	33	06	41	38.7	01	14	26.6	12.1	21	09	504	09	55	471	33
25	06	49	290	02	26	247	43	18	37	34.3	02	25	25.4	8.9	02	40	504	09	00	480	24
26	23	00	301	16	54	261	40	19	50	33.1	05	45	27.1	6.0	00	08	498	05	16	459	39
27	04	50	313	19	50	272	41	19	32	37.5	11	10	24.6	12.9	20	45	503	09	15	444	59
28	23	03	305	18	46	261	44	23	49	36.5	11	42	23.5	13.0	23	53	509	11	23	472	37
29	21	53	300	15	57	247	53	16	10	36.1	00	28	26.9	9.2	00	34	509	15	15	485	24
30	23	05	301	16	42	255	46	17	34	35.9	13	55	27.4	8.5	00	23	500	15	30	484	16
31 Q	04	12	305	15	52	254	51	17	53	34.9	13	20	28.1	6.8	19	53	495	04	30	482	13
Mean			303			246	57			39.6			24.4	15.2			519			467	52
No. days			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. 1938.

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	+23.5	+23.3	+22.4	+14.6	+7.0	+4.8	-1.6	-7.2	-13.1	-7.8	-3.2	-5.0	-8.2	-21.8	-21.5	-33.4	-31.1	-21.9	-15.2	+2.1	+14.8	+27.3	+27.7	+23.8
February	+11.9	+10.6	+7.2	+4.1	+4.5	-0.8	-5.7	-0.1	+2.6	+2.5	+11.2	+12.9	+6.7	+2.3	-4.0	-14.7	-22.5	-28.2	-20.1	-9.2	+1.1	+7.5	+9.3	+10.4
March	+17.9	+10.3	+9.6	+4.4	+4.5	+0.4	-7.0	-3.2	-4.8	-2.7	+8.3	+9.4	+5.9	-3.9	-17.6	-25.1	-28.3	-23.5	-14.1	-2.3	+9.7	+13.9	+18.3	+19.4
April	+15.7	+11.8	+12.0	+10.0	+10.3	+9.3	+5.9	-1.7	-11.2	-3.3	-2.3	-9.8	-10.4	-16.9	-29.3	-36.8	-32.4	-21.8	-7.7	+8.3	+21.2	+28.2	+28.2	+23.0
May	+15.8	+5.9	+4.0	-0.4	-1.7	-8.7	-9.1	-8.7	-6.8	-2.2	-1.0	-4.0	-8.9	-20.3	-28.6	-30.1	-19.3	-8.0	+2.8	+16.9	+28.1	+29.2	+34.6	+19.7
June	+9.6	+5.2	+1.8	-0.1	-2.0	-4.4	-3.4	-4.8	-3.2	-1.7	+0.7	+0.7	-5.1	-14.7	-26.6	-31.4	-23.3	-7.4	+9.5	+20.8	+26.7	+25.3	+16.6	+11.0
July	+11.8	+6.4	+3.5	+2.8	+2.7	-5.6	-11.3	-4.6	-13.2	-11.4	-5.2	-5.7	-10.3	-19.8	-27.3	-33.8	-29.8	-12.5	+5.4	+25.7	+33.0	+39.9	+34.7	+24.6
August	+16.5	+6.9	+5.9	+2.7	+7.3	+6.8	+6.9	-5.8	-5.7	-3.9	-1.8	-5.0	-14.8	-25.9	-39.9	-41.3	-31.7	-12.2	+8.5	+21.0	+25.8	+28.1	+28.1	+23.4
September	+17.4	+14.7	+6.1	+5.5	+2.7	+1.8	-0.5	+4.1	-3.3	+6.2	+8.1	+0.3	-7.5	-19.6	-27.3	-36.5	-35.0	-20.8	-5.0	+7.2	+17.4	+23.2	+24.0	+16.4
October	+12.1	+12.1	+12.1	+6.8	+6.6	+2.7	-1.2	+5.1	+6.6	+8.4	+9.4	+5.2	-4.7	-13.2	-23.4	-32.8	-30.9	-20.6	-10.2	+2.2	+9.3	+9.8	+13.1	+15.9
November	+9.0	+7.4	+6.6	+6.7	+6.6	+4.4	+4.0	+4.5	+8.1	+10.6	+10.4	+12.6	+8.7	-3.5	-19.3	-28.4	-30.7	-25.8	-16.3	-5.1	+2.4	+6.4	+9.4	+10.7
December	+7.2	+7.4	+5.6	+4.0	+2.1	+1.1	+0.4	+1.5	0.0	+6.8	+11.1	+11.1	+10.5	+5.4	-10.7	-25.9	-29.8	-24.3	-14.7	-3.3	+4.3	+11.2	+10.1	+8.6
Year	+14.0	+10.2	+8.1	+5.1	+4.2	+1.0	-1.9	-1.7	-3.7	+0.1	+3.8	+1.9	-3.2	-12.7	-23.0	-30.9	-28.7	-18.9	-6.4	+7.0	+16.2	+20.8	+21.2	+17.3
Winter	+12.9	+12.2	+10.4	+7.3	+5.0	+2.4	-0.7	-0.3	-0.6	+3.0	+7.4	+7.9	+4.4	-4.4	-13.9	-25.6	-28.5	-25.1	-16.6	-3.9	+5.7	+13.1	+14.2	+13.4
Equinox	+15.8	+12.2	+10.0	+6.7	+6.0	+3.6	-0.7	+1.1	-3.2	+2.2	+5.9	+1.3	-4.2	-13.4	-24.4	-32.8	-31.7	-21.7	-9.3	+3.9	+14.4	+18.8	+20.9	+18.7
Summer	+13.4	+6.1	+3.8	+1.3	+1.6	-3.0	-4.2	-6.0	-7.2	-4.8	-1.8	-3.5	-9.8	-20.2	-30.6	-34.2	-26.0	-10.0	+6.6	+21.1	+28.4	+30.6	+28.5	+19.7

DECLINATION (minutes) (All Days)

Table 98. Agincourt. 1938.

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	+1.40	+2.21	+3.28	+2.71	+1.33	-0.36	-1.14	-0.83	-1.55	-1.50	-0.42	+1.37	+1.19	+2.98	+4.26	+2.28	-1.52	-3.41	-3.52	-2.55	-3.26	-2.44	-0.46	-0.08
February	-0.72	+0.27	+1.41	+1.85	+1.71	+1.96	+1.16	+2.55	+2.03	+0.72	+1.65	+2.04	+1.03	+2.39	+3.15	+2.43	+0.60	-2.96	-4.58	-5.34	-4.72	-3.49	-3.08	-2.04
March	-1.08	+0.69	+1.31	+1.34	+0.84	+1.44	+1.17	+1.60	+1.66	+0.90	+2.11	+3.01	+4.87	+6.58	+5.45	+2.31	-1.46	-4.65	-7.02	-7.24	-5.38	-3.83	-2.84	-1.73
April	0.00	+0.38	+0.62	+1.12	+0.76	+1.81	+0.02	-1.02	+0.97	+2.01	+3.38	+4.03	+6.39	+6.84	+5.51	+1.98	-2.75	-6.26	-7.91	-7.37	-5.67	-3.12	-1.33	-0.45
May	+0.97	+0.31	+0.98	+0.47	+0.16	-0.01	+0.52	+1.22	+0.70	+1.84	+4.13	+5.49	+7.12	+6.05	+2.56	-1.46	-4.59	-6.34	-7.15	-6.11	-3.32	-2.27	-0.32	-0.84
June	+0.35	+0.25	+0.08	+0.29	+0.76	+0.24	+0.65	+0.27	-0.28	+1.26	+4.72	+7.16	+7.68	+7.30	+5.10	+0.63	-3.59	-6.51	-7.48	-7.03	-5.48	-3.90	-2.10	-0.51
July	+0.36	+0.91	+1.05	+0.95	+2.06	+0.81	-0.76	-0.82	-0.61	-0.21	+3.43	+5.83	+8.04	+7.48	+5.30	+1.53	-3.15	-6.08	-7.71	-7.14	-5.91	-3.85	-1.38	-0.05
August	+0.93	+0.22	+0.40	+0.93	+1.99	+0.90	+1.25	-0.82	+1.13	+1.93	+4.85	+7.51	+9.33	+8.54	+4.48	-2.01	-6.71	-9.13	-9.16	-7.91	-5.37	-2.84	-0.71	+0.35
September	+0.35	+0.36	+0.98	+1.39	+0.99	+1.84	+2.08	+2.69	+1.04	+2.58	+2.28	+3.61	+5.19	+5.46	+2.83	-0.71	-4.83	-7.18	-7.27	-6.02	-4.09	-2.48	-0.88	-0.23
October	+0.73	+2.14	+1.84	+1.97	+1.06	+1.70	+1.29	+2.17	+1.99	+2.53	+0.91	+0.72	+1.82	+3.51	+1.95	-1.15	-3.75	-5.39	-5.66	-4.60	-3.22	-1.68	-0.76	-0.09
November	+0.43	+1.36	+2.36	+1.75	+1.07	+1.01	+0.78	+1.43	+1.70	+2.39	+2.49	+1.91	+2.39	+3.88	+3.14	+0.28	-2.72	-4.61	-5.81	-5.26	-4.07	-2.98	-2.04	-0.88
December	+1.18	+1.57	+2.44	+1.93	+1.99	+1.96	+1.64	+1.48	+0.09	+1.76	+1.76	+1.10	+0.76	+2.87	+3.65	+0.83	-2.16	-4.78	-5.53	-4.93	-4.28	-2.95	-1.73	-0.54
Year	+0.41	+0.89	+1.40	+1.39	+1.23	+1.11	+0.72	+0.83	+0.74	+1.35	+2.61	+3.65	+4.65	+5.32	+3.95	+0.58	-3.05	-5.61	-6.57	-5.96	-4.57	-2.99	-1.47	-0.59
Winter	+0.57	+1.35	+2.37	+2.06	+1.52	+1.14	+0.61	+1.16	+0.57	+0.84	+1.37	+1.61	+1.34	+3.03	+3.55	+1.45	-1.45	-3.95	-4.86	-4.53	-4.09	-2.97	-1.82	-0.89
Equinox	0.00	+0.89	+1.19	+1.46	+0.91	+1.70	+1.14	+1.36	+1.42	+2.01	+2.17	+2.84	+4.57	+5.60	+3.94	+0.61	-3.20	-5.87	-6.97	-6.31	-4.59	-2.78	-1.45	-0.63
Summer	+0.65	+0.42	+0.63	+0.66	+1.24	+0.49	+0.47	-0.04	+0.24	+1.21	+4.28	+6.50	+8.04	+7.34	+4.36	-0.33	-4.51	-7.02	-7.88	-7.05	-5.02	-3.22	-1.13	-0.26

VERTICAL FORCE (gammas) (All Days)

Table 99. Agincourt. 1938.

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	+15.5	+25.9	+21.6	+15.0	+5.6	-1.9	-7.9	-11.6	-27.2	-27.4	-21.6	-12.4	-8.4	-3.8	-1.8	-0.8	+6.8	+8.7	+10.3	+3.8	+0.7	+7.8	-4.9	+7.4
February	+9.5	+9.7	+9.6	+8.5	+4.8	-7.9	-15.5	-8.9	-9.9	-10.5	-6.6	-5.3	-6.2	-4.4	-7.1	-7.1	-6.4	-2.3	+3.3	+8.5	+9.8	+12.0	+10.6	+10.9
March	+17.1	+7.2	+5.6	+1.3	+0.5	-6.9	-13.9	-10.0	-13.4	-13.8	-7.7	-4.6	-3.2	-2.0	-4.0	-3.5	-4.0	-1.2	+2.5	+5.7	+9.5	+11.3	+12.7	+14.7
April	+14.2	+10.9	+6.4	-0.4	-1.5	-1.9	-16.2	-18.7	-6.9	-11.8	-9.0	-9.2	-7.0	-6.4	-8.1	-6.9	-2.3	-0.3	+3.3	+8.7	+13.4	+17.0	+15.5	+17.9
May	+15.2	+12.2	+8.9	-1.9	-11.8	-14.9	-15.3	-17.7	-12.9	-6.8	-4.7	-6.4	-4.7	-2.9	-6.6	-6.1	-3.7	+0.8	+6.9	+18.2	+16.8	+6.1	+19.1	+11.6
June	+10.0	+7.4	+4.9	+0.1	-5.8	-7.4	-6.9	-9.7	-9.5	-7.1	-3.6	+1.2	+0.1	+0.6	-4.3	-6.0	-6.7	-4.2	-1.9	+4.3	+7.9	+12.6	+12.1	+11.6
July	+17.8	+12.6	+7.7	+4.0	-4.0	-13.9	-17.0	-18.2	-22.2	-20.4	-15.3	-8.5	-6.4	-7.7	-9.0	-7.3	-6.8	-1.4	+7.5	+15.8	+23.0	+28.0	+22.1	+19.8
August	+16.3	+13.8	+11.0	-2.7	-8.1	-7.2	-5.3	-9.6	-14.6	-17.4	-12.5	-8.9	-7.5	-7.5	-5.4	-5.8	-5.4	-3.3	+4.2	+5.6	+12.8	+17.2	+18.1	+21.6
September	+29.5	+21.1	+8.4	+3.8	-1.8	-7.5	-11.7	-15.8	-23.3	-24.8	-24.7	-21.5	-19.2	-13.8	-11.7	-8.9	-6.4	-2.7	+4.1	+13.0	+20.9	+26.1	+31.0	+34.7
October	+19.4	+14.1	+7.5	-0.8	-7.8	-4.0	-8.8	-8.4	-10.7	-11.4	-12.6	-13.0	-11.5	-9.2	-8.6	-7.0	-3.0	+2.4	+5.4	+10.4	+12.6	+12.4	+14.7	+18.3
November	+6.5	+5.4	+2.2	+0.4	+0.4	-0.7	-3.7	-6.2	-3.8	-3.8	-3.8	-4.6	-4.2	-3.0	-5.7	-4.5	-2.9	+0.4	+1.8	+4.6	+5.2	+6.4	+6.5	+8.2
December	+8.2	+5.5	+3.6	+2.2	+1.2	+0.1	-2.9	-4.4	-8.4	-8.0	-6.0	-5.3	-4.7	-4.1	-6.1	-5.6	-4.3	0.0	+3.5	+5.8	+6.9	+7.9	+7.2	+7.6
Year	+14.9	+12.2	+8.1	+2.5	-2.4	-6.2	-10.4	-11.6	-13.6	-13.6	-10.7	-8.2	-6.9	-5.4	-6.5	-5.8	-3.8	-0.3	+4.2	+7.3	+11.6	+13.7	+13.7	+15.4
Winter	+9.9	+11.6	+9.3	+6.5	+3.0	-2.6	-7.5	-7.8	-12.3	-12.5	-9.5	-6.9	-5.9	-3.8	-5.2	-4.5	-1.7	+1.7	+4.7	+5.7	+5.7	+8.5	+4.9	+8.5
Equinox	+20.1	+13.3	+7.0	+1.2	-2.7	-5.1	-12.7	-13.2	-13.6	-15.5	-13.5	-12.1	-10.2	-7.9	-8.1	-6.6	-3.9	-0.5	+3.8	+5.1	+14.1	+16.7	+18.5	+21.4
Summer	+14.8	+11.5	+8.1	-0.1	-7.4	-10.9	-11.1	-13.8	-14.8	-12.9	-9.0	-5.7	-4.6	-4.4	-6.3	-6.3	-5.7	-2.0	+4.2	+11.0	+15.1	+16.0	+17.9	+16.2

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. 1938.

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	+9.5	+6.7	+6.5	+8.1	+7.9	+8.7	+4.7	+5.8	+5.3	+8.8	+9.0	+8.1	-1.2	-11.4	-22.7	-29.9	-24.9	-16.1	-11.7	-3.7	+3.3	+8.8	+11.3
February	+8.8	+9.2	+10.9	+9.4	+10.4	+9.8	+9.8	+10.0	+11.1	+12.1	+12.3	+10.4	+7.1	-1.4	-10.1	-19.7	-30.5	-35.1	-30.1	-18.5	-5.2	+3.7	+6.7	+8.5
March	+8.5	+7.1	+8.7	+9.2	+8.6	+8.6	+9.0	+8.9	+10.1	+10.1	+10.5	+8.8	+4.0	-6.8	-19.7	-31.6	-35.3	-30.0	-17.8	-4.0	+6.6	+9.0	+9.1	+8.3
April	+6.5	+6.5	+7.4	+7.4	+6.2	+5.4	+5.3	+5.2	+5.5	+5.0	+4.7	+2.8	-2.7	-13.9	-26.5	-35.2	-26.8	-15.6	-2.0	+8.4	+14.1	+13.9	+9.8	+7.5
May	+5.1	+3.9	+4.5	+4.5	+1.9	-1.8	-2.3	+1.7	+3.1	+2.0	+4.3	+2.3	-6.9	-16.0	-21.4	-19.8	-11.5	-3.9	+4.3	+8.7	+12.3	+11.0	+9.4	+5.5
June	+7.4	+5.6	+1.7	+1.4	+1.9	+1.2	+1.0	-1.3	-0.9	-0.5	+1.8	+4.7	0.0	-12.7	-24.7	-31.3	-26.8	-12.4	+5.2	+19.9	+23.2	+16.5	+11.9	+6.5
July	+5.6	+3.0	+3.8	+4.4	+6.1	+5.3	+2.1	0.0	+0.2	+1.7	+3.2	+0.9	-7.6	-20.9	-32.9	-34.6	-23.1	-7.3	+7.4	+15.9	+20.9	+20.3	+15.5	+9.6
August	+5.5	+4.1	+7.7	+7.8	+7.1	+6.3	+6.4	+7.1	+5.5	+2.4	+1.4	-0.8	-8.5	-21.1	-34.2	-35.8	-27.1	-8.8	+5.4	+15.7	+17.5	+16.2	+11.3	+9.3
September	+9.0	+9.7	+10.3	+9.7	+9.3	+8.0	+7.6	+8.7	+8.2	+8.5	+8.1	+5.8	-2.3	-16.4	-31.8	-34.2	-31.6	-20.2	-8.5	+4.7	+9.1	+10.3	+9.8	+8.6
October	+11.5	+10.2	+10.1	+9.8	+10.3	+9.9	+10.4	+10.3	+11.4	+10.8	+10.6	+7.3	-1.2	-11.4	-23.9	-32.2	-32.0	-25.6	-16.3	-6.3	+1.8	+4.3	+9.2	+10.9
November	+12.0	+10.3	+10.3	+11.1	+11.0	+10.0	+10.5	+10.3	+9.8	+10.5	+8.4	+7.7	+3.6	-7.9	-20.6	-31.8	-34.3	-31.2	-20.7	-7.8	+1.6	+6.5	+9.3	+10.8
December	+6.8	+6.6	+8.1	+9.1	+8.1	+6.7	+6.3	+8.1	+7.8	+9.1	+7.9	+8.0	+6.2	-2.2	-17.6	-32.2	-35.9	-28.0	-13.3	-2.1	+7.0	+9.5	+8.4	+7.6
Year	+8.0	+7.1	+7.5	+7.5	+7.4	+6.4	+6.2	+6.1	+6.5	+6.4	+6.8	+5.6	0.0	-11.0	-22.9	-30.1	-28.7	-20.2	-8.5	+1.9	+8.8	+10.4	+9.9	+8.7
Winter	+9.2	+8.9	+9.0	+9.0	+9.4	+8.6	+8.8	+8.3	+8.6	+9.2	+9.4	+8.8	+6.2	-3.2	-14.9	-26.6	-32.6	-29.8	-20.0	-10.0	-0.1	+5.8	+8.3	+9.6
Equinox	+8.9	+8.4	+9.1	+9.0	+8.6	+7.8	+8.1	+8.3	+8.8	+8.6	+8.5	+6.2	-0.2	-12.1	-25.5	-33.3	-31.4	-22.8	-11.2	+0.7	+7.9	+9.4	+9.5	+8.8
Summer	+5.9	+4.2	+4.4	+4.5	+4.2	+2.8	+1.8	+1.9	+2.0	+1.4	+2.7	+1.8	-5.8	-17.7	-28.3	-30.4	-22.1	-8.1	+5.6	+15.0	+18.5	+16.0	+12.0	+7.7

DECLINATION (minutes) (Quiet Days)

Table 101. Agincourt. 1938.

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	+1.42	+0.35	+0.75	+1.08	+0.67	+0.99	-0.92	-0.28	+1.35	+0.75	+0.40	+1.31	+2.25	+4.84	+4.21	+2.01	-1.00	-3.40	-4.21	-4.51	-4.16	-2.55	-0.93	-0.36
February	-0.81	-0.13	+0.08	+0.01	+0.09	+0.62	+0.41	+0.59	+0.76	+0.84	+1.61	+2.22	+2.82	+3.71	+4.22	+3.94	+1.27	-1.89	-4.42	-5.23	-4.07	-2.88	-2.23	-1.45
March	-1.47	-0.86	-0.24	+0.11	+0.01	+0.40	+0.70	+0.87	+1.19	+1.36	+1.70	+3.49	+5.83	+7.58	+7.74	+4.53	-0.83	-4.38	-7.00	-7.07	-5.65	-3.52	-2.44	-2.05
April	-0.16	-0.03	+0.32	+0.77	+1.05	+1.28	+1.49	+1.70	+1.81	+2.30	+3.71	+5.52	+6.88	+7.19	+4.88	+1.13	-4.32	-6.89	-9.10	-8.17	-6.09	-3.50	-1.53	-0.34
May	-0.64	-1.04	-1.41	-0.89	-0.69	+0.88	+11.8	+0.78	+1.17	+2.39	+4.27	+5.48	+6.32	+4.93	+2.93	+0.29	-2.14	-4.62	-5.70	-5.15	-3.93	-2.95	-1.14	-0.38
June	-0.17	+0.48	-0.05	+0.08	-0.59	-1.04	-0.54	-0.09	+0.56	+1.57	+3.82	+6.97	+8.57	+8.52	+6.05	+2.48	-2.33	-6.50	-8.22	-7.17	-5.56	-4.15	-2.30	-0.33
July	+0.52	-0.14	-0.47	-0.69	+0.04	+0.04	-0.01	+0.80	+1.19	+2.67	+5.27	+7.74	+9.56	+9.87	+5.71	+0.40	-4.66	-8.61	-10.80	-9.32	-6.67	-3.19	-0.28	+0.98
August	-0.16	-0.18	-0.19	+0.05	+0.40	+0.78	+1.03	+1.18	+1.41	+2.07	+4.39	+7.42	+9.68	+8.57	+3.95	-1.26	-6.60	-9.29	-9.62	-7.52	-4.67	-2.19	-0.10	+0.78
September	-0.44	-0.41	-0.52	-0.29	+0.54	+0.43	-1.16	+1.37	+0.90	+1.95	+3.48	+5.87	+7.89	+8.16	+5.17	+0.78	-3.87	-6.60	-8.31	-7.08	-4.99	-2.94	-1.37	-0.76
October	-0.87	-0.27	-0.30	-0.24	-0.20	+0.11	+0.49	+0.71	+1.22	+1.62	+2.26	+3.01	+4.35	+5.92	+4.84	+1.80	-1.49	-4.05	-4.97	-4.86	-3.58	-2.52	-2.01	-1.09
November	+0.03	+0.51	+0.73	+0.87	+0.35	+0.73	+0.41	+0.55	+1.18	+1.18	+1.62	+1.98	+2.86	+4.70	+4.32	+1.60	-1.81	-4.33	-5.47	-4.75	-3.11	-2.01	-1.39	-0.65
December	+0.53	+1.14	+1.30	+0.45	+0.14	+0.19	+0.24	+0.06	+0.29	+0.80	+1.11	+1.30	+2.58	+4.09	+4.44	+1.59	-2.22	-4.48	-5.05	-3.90	-2.49	-1.28	-0.68	-0.11
Year	-0.18	-0.05	0.00	+0.10	+0.15	+0.45	+0.47	+0.69	+1.09	+1.62	+2.80	+4.36	+5.80	+6.51	+4.87	+1.61	-2.50	-5.42	-6.91	-6.23	-4.59	-2.80	-1.36	-0.48
Winter	+0.29	+0.47	+0.72	+0.60	+0.31	+0.63	+0.04	+0.23	+0.90	+0.89	+1.19	+1.70	+2.63	+4.34	+4.30	+2.29	-0.94	-3.53	-4.79	-4.60	-3.46	-2.18	-1.31	-0.64
Equinox	-0.74	-0.39	-0.19	+0.09	+0.35	+0.56	+0.96	+1.16	+1.28	+1.81	+2.79	+4.47	-6.24	+7.21	+5.66	+2.06	-2.63	-5.48	-7.35	-6.80	-5.08	-3.12	-1.84	-1.06
Summer	-0.11	-0.22	-0.53	-0.36	-0.21	+0.16	+0.41	+0.67	+1.08	+2.18	+4.44	+6.91	+8.53	+7.97	+4.66	+0.48	-3.93	-7.26	-8.58	-7.29	-5.21	-3.12	-0.96	+0.26

VERTICAL FORCE (gammas) (Quiet Days)

Table 102. Agincourt. 1938.

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	+5.6	+3.1	+1.7	+0.2	-1.9	-4.7	-4.6	-3.0	-3.8	-4.6	-4.5	-3.5	-1.5	-0.8	-4.2	-4.6	-2.2	+0.2	+1.9	+4.5	+5.8	+7.5	+5.8	+7.1
February	+1.7	+1.1	+0.9	+0.1	+0.6	+0.4	-0.4	-1.4	-1.7	-2.8	-2.4	-2.3	-1.3	-1.4	-2.5	-3.5	-3.8	-2.8	+0.2	+3.8	+5.8	+5.7	+3.2	+2.6
March	+1.2	+0.9	+0.5	-0.5	-0.3	+0.2	-0.4	-0.5	+0.2	+0.9	-0.1	+1.2	+1.0	+0.5	-0.6	-2.5	-4.1	-3.2	-0.5	+0.9	+0.8	+1.2	+2.0	+1.4
April	+1.8	+0.9	+1.8	+0.3	+1.2	+1.2	+0.6	+1.4	+0.9	+1.7	+3.3	+2.5	+1.9	+1.7	-4.6	-7.1	-7.6	-6.6	-3.4	-0.3	+1.4	+3.0	+2.5	+2.1
May	+4.4	+3.7	+2.7	+2.0	-0.7	-3.0	-0.6	+1.9	+1.6	+2.7	+1.8	+1.5	+0.9	+0.1	-6.4	-10.1	-10.0	-8.8	-5.6	+0.1	+4.3	+5.4	+7.0	+5.3
June	+4.3	+1.4	+1.4	-2.2	-0.6	-0.5	-1.6	+0.6	+1.4	+3.2	+2.4	+3.0	+3.9	+4.4	-2.6	-6.3	-8.2	-7.7	-5.8	-2.9	-1.4	+3.4	+3.5	+6.4
July	+2.7	+1.9	+1.2	+0.7	+0.1	-5.1	-5.4	-3.0	-1.7	+0.8	+1.8	+1.9	+0.1	-1.4	-4.1	-7.1	-6.6	-3.0	-2.8	+1.1	+6.9	+7.6	+7.6	+5.4
August	+5.8	+5.4	+3.5	+2.3	+1.7	+1.3	-0.1	-0.5	-0.7	-0.5	+0.6	-0.7	-2.8	-4.7	-5.7	-7.0	-9.8	-7.3	-3.9	0.0	+2.7	+6.0	+6.3	+7.3
September	+4.5	+3.6	+3.2	+1.4	+1.3	+0.3	-0.8	-0.8	-3.3	-5.3	-2.5	-0.4	-2.4	-3.9	-3.5	-3.7	-2.8	-1.8	-0.1	+1.7	+2.6	+3.0	+4.2	+4.9
October	+1.1	+1.2	+1.1	+1.8	+1.2	-0.3	+1.0	+1.5	+0.9	+0.4	+1.5	+1.6	+2.4	+1.5	-5.2	-7.3	-6.9	-3.6	-2.3	-0.4	+2.0	+2.1	+1.8	+2.9
November	+0.1	+0.9	+0.3	-0.7	-0.9	-0.6	-1.4	0.0	-0.2	-1.4	-1.5	-1.1	-0.1	+0.9	-2.4	-2.6	-1.8	-0.4	+2.0	+4.1	+3.9	+2.3	+0.9	+0.1
December	+0.7	+0.4	-0.1	-0.9	-0.6	-0.6	-1.5	-1.2	-0.5	-1.9	-1.0	-0.5	-0.2	+0.6	-1.7	-2.7	-1.6	+1.7	+2.6	+2.6	+2.5	+2.0	+1.2	+0.9
Year	+2.8	+2.0	+1.5	+0.4	+0.1	-1.0	-1.3	-0.4	-0.6	-0.6	0.0	+0.3	+0.2	-0.2	-3.6	-5.4	-5.4	-3.6	-1.5	+1.3	+3.1	+3.8	+3.8	+3.9
Winter	+1.8	+1.4	+0.7	-0.4	-0.7	-1.4	-2.0	-1.4	-1.6	-2.7	-2.4	-1.8	-0.8	-0.2	-2.7	-3.4	-2.4	-0.3	+1.7	+3.8	+4.5	+4.4	+2.8	+2.7
Equinox	+2.2	+1.6	+1.6	+0.8	+0.8	+0.4	+0.1	+0.4	-0.3	-0.6	+0.6	+1.2	+0.7	0.0	-3.5	-5.2	-5.4	-3.8	-1.6	+0.5	+1.7	+2.3	+2.6	+2.8
Summer	+4.3	+3.1	+2.2	+0.7	+0.1	-1.8	-1.9	-0.3	+0.2	+1.6	+1.7	+1.4	+0.5	-0.4	-4.7	-7.6	-8.7	-6.7	-4.5	-0.4	+3.1	+5.6	+6.1	+6.2

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. 1938.

Hour U.T. / 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	+74.3	+81.1	+85.6	+47.3	+15.1	+2.4	-26.8	-44.1	-76.1	-67.4	-63.5	-72.7	-91.7	-116.2	-39.1	-54.8	-19.5	+2.6	-6.4	+37.3	+59.6	+94.6	+103.3	+74.2
February	+22.2	+17.0	+13.9	+5.4	+0.2	-21.9	-26.2	-6.7	+10.5	-1.6	+15.2	+16.4	-7.9	+2.8	+0.1	-15.6	-31.1	-41.3	-19.4	-2.2	+9.0	+18.3	+20.1	+22.2
March	+58.5	+16.0	+13.1	-10.0	-7.7	-30.3	-76.5	-55.5	-64.7	-57.4	+2.9	+25.1	+17.0	+3.9	-17.6	-15.4	-13.6	-8.8	+0.4	+19.3	+42.7	+43.1	+52.7	+62.7
April	+31.8	+30.5	+27.6	+25.8	+21.3	+22.6	+10.2	-34.9	-78.5	-31.5	-36.1	-70.7	-49.8	-28.3	-46.9	-36.0	-26.8	-9.1	+9.6	+26.7	+45.5	+68.6	+71.5	+56.6
May	+49.6	+21.2	+5.3	-21.6	-3.5	-43.5	-52.6	-53.2	-38.3	-11.8	+2.2	-23.2	-19.5	-38.2	-55.6	-51.4	-19.2	-12.2	-8.5	+36.7	+76.0	+88.8	+111.8	+60.7
June	+23.5	+13.0	-2.2	-2.4	-9.7	-22.4	-19.7	-23.6	-19.1	-8.5	+0.4	-1.1	-8.9	-11.7	-28.9	-34.7	-26.6	-13.9	+13.9	+31.6	+45.8	+56.6	+25.2	+23.7
July	+26.3	+6.7	-0.8	+3.4	+3.7	-43.6	-71.3	-33.0	-82.4	-71.6	-42.6	-37.0	-28.3	-32.7	-21.5	-35.7	-28.2	+0.4	+32.6	+93.0	+92.6	+114.0	+89.6	+66.2
August	+52.1	+15.9	+14.4	+15.0	+15.1	+16.5	+12.4	-61.8	-59.5	-44.3	-27.1	-36.7	-44.8	-38.6	-44.0	-47.6	-32.6	-2.1	+25.3	+38.1	+35.4	+52.4	+79.8	+67.4
September	+60.9	+40.2	-6.2	-10.4	-36.6	-30.1	-31.2	-19.7	-63.9	-13.5	-1.6	-30.8	-36.3	-39.0	-12.4	-30.7	-34.2	-11.5	+15.6	+35.6	+47.3	+72.1	+81.5	+54.4
October	+36.0	+32.4	+21.0	-8.1	-5.3	-12.2	-47.2	-0.4	+2.3	+2.0	-1.3	-8.5	-22.3	-30.2	-30.8	-40.1	-41.0	-19.9	-3.6	+25.0	+37.3	+24.2	+34.7	+56.4
November	+12.5	+5.3	+6.1	+4.4	+4.8	-4.0	-7.1	-2.6	+7.1	+13.8	+13.0	+19.4	+14.4	+0.7	-26.9	-35.2	-29.5	-22.8	-15.8	-8.4	+3.5	+11.5	+14.9	+20.3
December	+7.2	+12.0	+3.6	-1.3	-3.5	-7.9	-8.4	-4.3	-0.4	+7.1	+14.5	+16.7	+19.7	+18.4	-9.0	-27.5	-27.8	-23.4	-20.0	-5.5	-2.0	+19.4	+13.5	+9.2
Year	+37.9	+24.3	+15.1	+4.0	-0.5	-14.5	-28.7	-28.3	-38.6	-23.7	-10.3	-16.9	-21.5	-25.8	-27.7	-35.4	-27.5	-13.5	+2.0	+27.3	+41.1	+55.3	+58.2	+47.8
Winter	+29.1	+28.9	+27.3	+14.0	+4.2	-7.9	-17.1	-14.4	-14.7	-12.0	-5.2	-5.1	-16.4	-23.6	-18.7	-33.3	-27.0	-21.2	-15.4	+5.3	+17.5	+36.0	+38.0	+31.5
Equinox	+46.8	+29.8	+13.9	-0.7	-7.1	-12.5	-36.2	-27.6	-51.2	-25.1	-9.0	-21.2	-22.9	-23.4	-26.9	-30.6	-28.9	-12.3	+5.5	+26.7	+43.2	+52.0	+60.1	+57.5
Summer	+37.9	+14.2	+4.2	-1.4	+1.4	-23.3	-32.8	-42.9	-49.8	-34.1	-16.8	-24.5	-25.4	-30.3	-37.5	-42.4	-26.7	-7.0	+15.8	+49.9	+62.5	+78.0	+76.6	+54.5

DECLINATION (minutes) (Disturbed Days)

Table 104. Agincourt. 1938.

Hour U.T. / 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	+5.23	+7.59	+8.30	+1.23	-2.84	-8.38	-10.29	-6.96	-14.23	-12.55	-7.74	-1.53	-8.75	-4.56	+8.75	+9.47	+1.74	+0.05	+4.68	+13.18	+6.23	+3.58	+5.55	+2.25
February	-0.13	+1.78	+2.60	+6.17	+5.00	+1.23	+4.58	+3.22	+1.69	+2.28	+3.33	+0.98	-5.72	-2.45	+1.42	+0.79	+1.30	-5.18	-5.65	-5.76	-4.09	-2.22	-2.90	-2.11
March	+0.85	+3.49	+4.47	+2.91	+0.35	+2.79	-0.09	+3.65	+5.17	-5.07	+1.35	+3.27	+5.49	+6.61	+1.37	-1.11	-4.79	-6.41	-7.93	-7.71	-3.59	-2.67	-2.71	+0.23
April	+0.96	+1.50	+3.10	+2.54	+0.05	+2.85	-8.13	-11.84	+1.34	+4.26	+3.55	-0.07	+4.13	+5.67	+7.30	+4.40	-0.54	-5.11	-6.23	-6.33	-4.88	+0.08	+0.02	+1.36
May	+3.41	+2.70	+2.51	+1.90	+1.51	-4.74	-0.91	+4.14	-0.23	+1.42	+5.43	+2.48	+7.54	+7.23	-0.46	-7.29	-9.74	-7.19	-7.76	-5.11	+3.92	+2.45	+3.44	-6.65
June	+0.70	-0.55	+1.33	+2.16	+3.56	+1.07	+2.35	-2.04	-2.26	+0.41	+5.85	+8.06	+8.26	+7.57	+5.05	+0.70	-4.12	-5.61	-7.69	-8.58	-6.34	-4.93	-3.63	-1.36
July	-0.02	+2.85	+3.03	+2.18	+3.92	+1.53	-6.33	-2.92	-0.70	-5.83	+1.57	+3.20	+8.74	+6.25	+4.09	+0.38	-3.08	-4.27	-5.23	-1.52	-2.98	-2.79	-1.13	-1.06
August	+3.13	+2.49	+0.58	+2.77	+2.51	+1.46	+2.60	-8.47	+0.26	+0.84	+8.07	+7.94	+9.78	+9.39	+4.10	-4.14	-7.63	-8.68	-8.06	-7.95	-6.71	-4.36	-0.19	+0.37
September	+4.27	+3.62	+4.46	+3.47	+5.08	+7.24	+5.77	+2.61	-3.16	+2.11	-5.55	-5.80	-1.24	+1.03	-1.03	-1.66	-6.41	-7.23	-5.66	-4.98	-2.79	-1.28	+3.12	+3.99
October	+2.10	+5.44	+6.07	+6.64	+0.34	+6.17	+2.24	+4.80	+4.67	+4.67	-4.54	-5.05	-2.27	-2.62	-3.51	-4.05	-5.52	-6.42	-5.33	-3.10	-1.82	+0.65	+1.40	-0.86
November	+2.02	+2.87	+6.04	+4.65	+2.74	+1.25	+1.13	+4.68	+4.75	+5.28	+5.25	+1.36	-0.82	+2.07	+0.18	-4.45	-6.78	-5.69	-6.89	-6.76	-5.95	-4.32	-2.73	+0.14
December	+2.19	+0.70	+3.50	+2.43	+2.80	+4.58	+4.43	+5.61	+2.40	+5.67	+4.85	+1.58	-0.98	+1.83	+3.33	-2.10	-3.57	-6.73	-6.64	-5.80	-7.91	-6.32	-4.02	-1.87
Year	+2.06	+2.87	+3.83	+3.25	+2.09	+1.42	-0.22	-0.29	-0.03	+0.29	+1.79	+1.37	+2.01	+3.17	+2.55	-0.76	-4.10	-5.71	-5.70	-4.20	-3.08	-1.84	-0.32	-0.46
Winter	+2.33	+3.24	+5.11	+3.62	+1.93	-0.33	-0.04	+1.64	-1.35	+0.17	+1.42	+0.60	-4.07	-0.78	+3.42	+0.93	-1.83	-4.39	-3.63	-1.29	-2.93	-2.32	-1.03	-0.40
Equinox	+2.05	+3.51	+4.53	+3.89	+1.46	+4.76	-0.05	-0.20	+2.01	+1.49	-1.30	-1.91	+1.53	+2.67	+1.03	-0.61	-4.32	-6.29	-6.29	-5.53	-3.27	-0.81	+0.46	+1.18
Summer	+1.81	+1.87	+1.86	+2.25	+2.88	-0.17	-0.57	-2.32	-0.73	-0.79	+5.23	+5.42	+8.58	+7.61	+3.20	-2.59	-6.14	-6.44	-7.19	-5.79	-3.03	-2.41	-0.38	-2.18

VERTICAL FORCE (gammas) (Disturbed Days)

Table 105. Agincourt. 1938.

Hour U.T. / 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	+25.6	+91.1	+82.0	+61.7	+36.5	+9.4	-24.8	-37.7	-110.0	-116.4	-76.4	-34.7	-28.2	-0.8	+37.0	+40.1	+69.6	+63.3	+60.9	+1.2	-46.2	-22.7	-69.2	-10.6
February	+22.7	+23.0	+22.7	+21.4	+9.2	-40.7	-45.7	-11.0	-9.3	-12.2	-12.0	-18.6	-30.7	-22.7	-16.1	-15.2	-9.1	+2.7	+17.6	+25.8	+21.9	+28.0	+24.4	+23.3
March	+79.3	+34.0	+8.8	-9.0	-6.1	-49.9	-81.6	-51.3	-57.9	-65.3	-33.6	-18.4	-11.0	-5.1	-1.7	+2.7	+2.2	+9.1	+19.1	+31.0	+46.3	+45.8	+51.8	+60.9
April	+43.6	+36.5	+21.7	+12.6	+3.5	-1.1	-85.0	-89.6	-3.3	-34.6	-36.0	-43.4	-26.5	-21.2	-10.8	-2.9	+3.2	+14.0	+16.7	+21.9	+32.1	+43.5	+41.4	+64.1
May	+42.9	+44.2	+38.0	-7.0	-11.9	-35.3	-59.3	-67.7	-41.4	-18.1	-13.6	-30.5	-19.6	-8.6	-8.1	-5.3	+6.1	+17.9	+36.5	+75.1	+47.7	-26.6	+44.5	+0.1
June	+26.0	+23.3	+14.8	-2.5	-32.3	-37.0	-20.7	-40.1	-39.1	-36.4	-19.6	-4.7	+2.8	+5.9	+1.0	+1.7	+0.6	+2.5	+6.4	+17.8	+30.7	+39.5	+32.7	+27.4
July	+48.1	+30.6	+18.1	+12.2	-2.5	-44.6	-59.8	-77.4	-107.4	-100.5	-83.8	-48.7	-27.4	-27.0	-22.8	-10.3	-0.4	+23.4	+65.1	+91.4	+103.9	+111.2	+60.5	+48.8
August	+51.6	+40.5	+31.4	+14.6	+9.4	+0.5	-13.9	-32.3	-67.7	-93.2	-67.3	-41.9	-26.4	-22.2	-5.7	-10.5	-1.6	+14.6	+20.1	+7.4	+27.4	+39.3	+56.5	+69.1
September	+107.0	+70.3	+3.8	-8.5	-17.5	-41.2	-41.9	-64.4	-100.8	-84.9	-101.6	-91.1	-72.1	-37.0	-22.3	-10.8	+2.8	+16.5	+38.2	+59.1	+79.1	+89.0	+105.9	+23.0
October	+73.0	+49.1	+21.9	-19.3	-51.2	-15.4	-35.9	-29.7	-38.6	-44.6	-49.0	-54.1	-45.7	-36.0	-23.8	-12.6	+7.5	+21.5	+29.6	+45.6	+43.9	+43.7	+51.3	+67.6
November	+21.0	+17.4	+6.4	+8.5	+5.7	-0.6	-9.8	-22.2	-12.7	-11.1	+0.9	-13.6	-17.0	-13.9	-18.5	-11.1	-4.2	+2.6	+3.6	+5.7	+9.5	+13.4	+14.2	+26.6
December	+22.7	+15.1	+12.5	+12.0	+8.6	+4.8	-0.2	-6.2	-10.6	-14.1	-12.9	-14.9	-15.1	-15.9	-22.1	-19.2	-14.4	-7.4	+1.6	+8.0	+11.2	+21.1	+18.5	+18.3
Year	+47.0	+39.6	+23.5	+8.1	-4.1	-20.9	-39.9	-44.1	-49.9	-52.6	-42.1	-34.6	-26.4	-17.0	-9.5	-4.5	+5.2	+15.1	+26.3	+32.5	+34.0	+35.4	+36.0	+43.2
Winter	+23.0	+36.7	+30.9	+25.9	+15.0	-6.8	-20.1	-19.3	-35.7	-38.5	-25.1	-20.5	-22.8	-13.3	-4.9	-1.4	+10.5	+15.3	+20.9	+10.2	-0.9	+10.0	-3.0	+14.4
Equinox	+75.7	+47.5	+14.1	-6.1	-17.8	-26.9	-61.1	-58.8	-50.2	-57.4	-55.1	-51.8	-38.8	-24.8	-14.7	-6.0	+3.9	+15.3	+25.9	+39.4	+50.4	+55.5	+62.6	+78.9
Summer	+42.4	+34.7	+25.6	+4.3	-9.3	-29.1	-38.4	-54.4	-63.9	-62.1	-46.1	-31.5	-17.8	-13.0	-8.9	-6.1	+1.2	+14.6	+32.0	+47.9	+52.4	+40.9	+48.6	+36.5

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 1939.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+7.1	+6.3	+4.2	+3.4	+0.8	+1.0	+1.5	+3.5	+5.9	+8.2	+8.4	+7.3	+5.4	-2.5	-15.1	-26.7	-26.7	-18.6	-8.9	-0.4	+7.1	+9.8	+9.9	+9.2
February	+14.5	+12.2	+3.5	-1.8	-2.6	-8.1	-10.7	-8.0	-4.1	-2.9	+3.5	+4.8	+1.0	-5.5	-8.3	-13.2	-19.1	-17.0	-9.7	+2.6	+13.3	+18.6	+19.2	+17.8
March	+11.2	+7.5	+1.8	-1.5	+1.5	+2.9	-3.8	-1.3	-7.2	-3.5	+2.7	+3.0	-0.1	-7.7	-17.5	-26.0	-25.5	-17.1	-5.8	+11.3	+18.1	+23.2	+20.8	+12.9
April	+21.2	+7.9	+7.9	+3.8	+9.1	+3.7	-15.4	-29.9	-22.6	-10.8	-9.2	-11.2	-11.0	-20.8	-38.8	-41.4	-28.4	-12.8	+7.5	+28.6	+44.0	+48.7	+38.8	+31.4
May	+23.0	+14.6	+1.7	-3.8	-6.4	-11.3	-21.8	-22.0	-8.1	-8.0	-10.8	-10.0	-16.1	-26.8	-33.2	-34.3	-20.4	-4.6	+10.7	+23.7	+37.5	+43.6	+45.9	+36.9
June	+17.1	+16.5	+8.3	+4.4	-0.9	+0.6	-2.2	-7.8	-11.9	-12.7	-6.2	-7.8	-11.4	-15.8	-27.2	-33.8	-26.9	-10.4	+3.4	+14.7	+24.6	+30.8	+27.3	+27.0
July	+16.8	+14.2	+10.9	+9.3	+6.4	-2.3	-8.6	-13.4	-11.1	-8.7	-6.6	-5.7	-14.1	-19.7	-29.3	-34.0	-26.7	-9.8	+4.9	+16.8	+25.7	+32.9	+30.1	+22.2
August	+20.0	+12.8	+9.8	+0.5	+1.5	-5.9	-10.4	-10.2	-8.2	-3.8	-1.4	-0.5	-7.4	-19.2	-27.5	-34.1	-26.7	-15.2	+2.5	+18.0	+24.4	+29.0	+29.3	+23.1
September	+13.5	+13.6	+13.6	+8.6	+7.4	+2.1	-0.1	+5.7	+4.8	+5.3	+5.5	+5.0	-2.4	-15.7	-29.8	-37.9	-35.3	-24.3	-8.1	+10.0	+15.3	+15.3	+15.1	+12.5
October	+12.4	+9.8	+6.9	-2.4	-7.3	-13.8	-9.2	-10.9	-6.9	+1.6	+8.9	+9.6	+3.4	-8.2	-13.4	-23.2	-23.7	-16.4	-4.9	+6.6	+16.8	+18.5	+26.3	+19.0
November	+5.9	+4.2	+4.0	+2.4	+1.2	-0.1	+3.1	+3.7	+4.2	+6.6	+7.3	+9.2	+7.2	-1.7	-9.9	-16.7	-20.5	-17.8	-10.3	-3.2	+2.7	+4.8	+6.3	+6.8
December	+5.5	+4.5	+1.4	-0.4	+1.0	-0.1	-0.4	-0.6	-0.5	+4.4	+8.2	+9.5	+7.2	-0.1	-8.4	-16.7	-17.9	-13.6	-6.2	-0.2	+2.7	+6.2	+7.7	+7.1
Year	+14.0	+10.3	+6.2	+1.9	+1.0	-2.6	-6.5	-7.6	-5.5	-2.0	+0.9	+1.1	-3.2	-12.0	-21.5	-28.2	-24.8	-14.8	-2.1	+10.7	+19.4	+23.4	+23.1	+18.8
Winter	+8.2	+6.8	+3.3	+0.9	+0.1	-1.8	-1.6	-0.4	+1.4	+4.1	+6.8	+7.7	+5.2	-2.4	-10.4	-18.3	-21.0	-16.8	-8.8	-0.3	+6.4	+9.8	+10.8	+10.2
Equinox	+14.6	+9.4	+7.6	+2.1	+2.7	-1.3	-7.1	-9.1	-8.0	-1.8	+2.0	+1.6	-2.5	-13.1	-24.9	-32.1	-28.2	-17.6	-2.8	+14.1	+23.6	+26.4	+25.2	+19.0
Summer	+19.2	+14.5	+7.7	+2.6	+0.2	-4.7	-10.8	-13.4	-9.8	-8.3	-6.2	-6.0	-12.2	-20.4	-29.3	-34.0	-25.2	-10.0	+5.4	+18.3	+28.0	+34.1	+33.2	+27.3

DECLINATION (minutes) (All Days)

Table 107. Agincourt 1939.

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	+0.35	+0.81	+0.83	+0.79	+1.14	+0.59	+0.54	+0.92	+0.79	+0.67	+1.39	+1.85	+2.45	+3.73	+2.82	+0.57	-2.12	-4.17	-5.03	-4.00	-2.37	-1.20	-0.99	-0.46
February	-1.10	-0.55	+1.11	+2.01	+2.36	+1.94	+2.15	+2.27	+2.97	+2.59	+1.37	+1.18	+1.23	+2.10	+0.50	-0.24	-1.70	-3.90	-4.41	-3.88	-3.00	-1.60	-1.99	-1.52
March	-0.53	+0.44	+2.80	+3.00	+1.60	+2.28	+2.53	+2.64	+0.92	+0.59	+1.70	+2.39	+3.70	+4.55	+4.13	+1.36	-2.53	-5.55	-6.41	-5.94	-4.88	-4.04	-3.05	-1.73
April	+1.04	+0.41	+2.49	+1.94	+1.49	+0.45	-0.23	-0.58	-0.38	+3.30	+3.64	+3.31	+5.51	+5.66	+3.31	-0.16	-4.00	-5.79	-5.86	-4.51	-5.35	-3.40	-2.40	+0.19
May	+0.38	+0.29	+2.63	+1.48	+2.42	+1.89	-0.34	-0.29	+0.55	+2.26	+4.27	+7.16	+7.57	+6.00	+1.94	-1.74	-5.45	-7.34	-7.61	-6.34	-4.86	-3.20	-1.29	-0.42
June	+0.06	+0.71	+1.01	+0.61	+0.57	+1.34	+1.28	-0.35	-2.01	+0.33	+4.55	+6.56	+7.49	+6.72	+4.82	+0.14	-4.12	-5.98	-7.02	-6.73	-5.55	-3.43	-1.31	+0.31
July	+0.17	+0.42	+1.34	+1.57	+0.45	+2.31	+1.66	+0.03	-0.20	+1.04	+4.59	+6.52	+6.30	+4.94	+3.17	-0.23	-4.00	-6.23	-7.23	-7.00	-5.12	-2.96	-1.05	-0.53
August	+2.17	+1.69	+0.92	+0.46	-0.74	+0.32	-1.18	+0.81	+0.92	+1.30	+3.69	+6.47	+8.36	+7.65	+3.99	-0.40	-5.69	-8.26	-8.87	-7.61	-4.95	-2.36	+0.10	+1.29
September	-1.10	-0.78	-0.24	+1.07	+0.47	+0.56	+1.02	+1.95	+3.59	+3.74	+4.86	+6.80	+8.33	+6.83	+3.13	-1.26	-5.93	-8.42	-8.48	-6.36	-4.42	-2.49	-1.51	-1.40
October	-0.09	+1.43	+3.26	+2.51	+1.13	-1.63	-0.24	+1.60	+1.93	+2.08	+1.73	+1.28	+3.11	+3.97	+2.70	+0.72	-2.59	-4.90	-5.12	-4.79	-3.14	-2.42	-1.81	-0.68
November	+0.18	+1.57	+1.33	+1.47	+1.29	+0.80	+0.68	+0.75	-1.18	+1.16	+1.29	+1.07	+2.26	+3.36	+2.46	+0.54	-1.80	-3.75	-4.68	-4.07	-3.16	-2.27	-1.31	-0.39
December	+0.87	+1.29	+2.46	+1.51	+1.63	+0.62	+0.20	+0.55	+0.33	+1.17	+1.23	+1.35	+1.95	+2.10	+1.35	-0.48	-2.09	-3.10	-3.43	-3.24	-2.77	-1.91	-1.16	-0.36
Year	+0.20	+0.64	+1.66	+1.54	+1.15	+0.96	+0.67	+0.86	+0.88	+1.69	+2.86	+3.83	+4.86	+4.80	+2.86	-0.10	-3.50	-5.62	-6.18	-5.37	-4.13	-2.61	-1.48	-0.48
Winter	+0.08	+0.78	+1.43	+1.44	+1.60	+0.99	+0.89	+1.12	+1.32	+1.40	+1.32	+1.36	+1.97	+2.82	+1.78	+0.10	-1.93	-3.73	-4.39	-3.80	-2.82	-1.74	-1.36	-0.68
Equinox	-0.17	+0.38	+2.08	+2.13	+1.17	+0.42	+0.77	+1.40	+1.52	+2.43	+2.98	+3.44	+5.16	+5.25	+3.32	+0.16	-3.76	-6.16	-6.47	-5.40	-4.45	-3.09	-2.19	-0.90
Summer	+0.70	+0.78	+1.48	+1.03	+0.68	+1.46	+0.36	+0.05	-0.18	+1.23	+4.28	+6.68	+7.43	+6.33	+3.48	-0.56	-4.82	-6.95	-7.68	-6.92	-5.12	-2.99	-0.89	+0.16

VERTICAL FORCE (gammas) (All Days)

Table 108. Agincourt. 1939.

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	+3.6	+2.8	+2.2	+1.5	+0.1	-1.9	-4.0	-3.3	-3.3	-4.1	-3.6	-2.8	-2.5	-2.7	-5.0	-3.5	+0.3	+2.2	+4.2	+5.7	+4.9	+3.0	+2.4	+3.6
February	+13.0	+14.2	+13.5	+10.2	+4.7	-3.7	-10.7	-15.5	-9.6	-10.1	-10.6	-12.1	-10.3	-8.7	-8.8	-8.4	-6.5	-2.5	+3.0	+10.3	+15.2	+7.8	+16.8	+8.7
March	+19.2	+18.2	+8.9	-2.5	-2.4	-8.0	-15.5	-16.5	-28.6	-31.0	-23.2	-12.3	-6.8	-3.8	-3.1	-4.5	-3.2	+1.2	+8.4	+17.8	+20.4	+22.8	+22.5	+21.5
April	+20.3	+9.0	+2.6	-3.2	-5.3	-14.8	-11.4	-23.9	-36.0	-30.6	-23.7	-17.9	-14.3	-11.7	-12.1	-5.7	+0.5	+8.1	+20.5	+31.9	+26.4	+29.1	+30.6	+31.1
May	+30.4	+20.9	+2.1	-12.2	-24.9	-35.0	-39.1	-31.6	-27.3	-17.9	-12.7	-7.8	-9.1	-9.4	-7.2	-4.7	+0.4	+4.2	+11.6	+23.2	+31.9	+37.7	+40.4	+35.9
June	+20.8	+20.6	+11.0	-3.4	-14.6	-19.4	-20.5	-26.4	-31.4	-21.0	-8.9	-5.2	-3.8	-2.9	-1.7	-0.1	-0.8	+2.2	+6.3	+12.3	+18.2	+22.4	+24.4	+22.7
July	+22.5	+16.7	+11.7	+4.2	-8.4	-23.3	-33.3	-33.4	-27.3	-18.2	-12.4	-13.2	-16.9	-14.4	-8.7	-3.4	+2.7	+8.8	+14.9	+18.8	+24.6	+32.2	+30.3	+25.5
August	+16.2	+7.4	-10.1	-23.2	-7.7	-8.3	-12.4	-15.8	-16.5	-21.8	-12.9	-8.9	-10.3	-13.3	-8.4	-0.7	+4.0	+8.4	+14.1	+22.1	+25.7	+26.9	+23.0	+21.8
September	+8.4	+7.0	+7.3	+0.6	-1.3	-9.5	-14.5	-8.3	-8.7	-12.8	-14.3	-11.4	-8.4	-8.0	-6.7	-6.4	-3.9	+1.8	+13.0	+18.5	+17.1	+15.3	+13.5	+12.6
October	+17.3	+12.3	+7.9	-8.9	-8.6	-24.1	-25.1	-26.7	-16.2	-18.8	-16.1	-9.4	-4.5	-1.5	-1.0	-1.9	+1.5	+7.8	+16.9	+21.5	+17.8	+20.2	+18.5	+21.2
November	+7.1	+6.5	+5.1	+0.3	+0.6	-4.4	-5.8	-8.3	-5.3	-4.7	-6.7	-6.8	-5.1	-3.7	-3.1	-4.8	-3.4	-0.5	+3.2	+6.1	+7.7	+8.9	+9.1	+7.8
December	+8.1	+6.9	+4.5	+2.1	-0.2	-3.0	-5.1	-6.3	-10.7	-10.0	-7.7	-6.4	-3.9	-4.0	-5.0	-6.1	-2.7	-0.2	+4.2	+6.6	+8.3	+10.3	+10.4	+9.6
Year	+15.6	+11.9	+5.6	-2.9	-5.7	-13.0	-16.4	-18.0	-18.4	-16.8	-12.7	-9.5	-8.0	-7.0	-5.9	-4.2	-0.9	+3.5	+10.0	+16.2	+18.2	+19.7	+20.2	+18.5
Winter	+8.0	+7.6	+6.3	+3.5	+1.3	-3.2	-6.4	-8.4	-7.2	-7.2	-7.2	-7.0	-5.4	-4.8	-5.5	-5.7	-3.1	-0.2	+3.6	+7.2	+9.0	+7.5	+9.7	+7.4
Equinox	+16.3	+11.6	+6.7	-3.5	-4.4	-14.1	-16.6	-18.8	-22.4	-23.3	-19.3	-12.8	-8.5	-6.2	-5.7	-4.6	-1.3	+4.7	+14.7	+22.4	+20.4	+21.8	+21.3	+21.6
Summer	+22.5	+16.4	+3.7	-8.6	-13.9	-21.5	-26.3	-26.8	-25.6	-19.7	-11.7	-8.8	-10.0	-10.2	-6.5	-2.2	+1.6	+5.9	+11.7	+19.1	+25.1	+29.8	+29.5	+26.5

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 1939.

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	+7.3	+7.6	+7.9	+7.0	+6.7	+8.9	+10.2	+10.5	+10.3	+10.1	+7.9	+5.2	-5.6	-20.1	-33.7	-36.0	-27.8	-16.1	-5.1	+3.8	+9.8	+11.7	+10.4
February	+5.5	+4.9	+3.5	+3.1	+3.9	+2.6	+3.1	+4.3	+4.5	+5.0	+4.9	+5.1	+3.0	-5.5	-9.0	-11.9	-15.5	-15.7	-9.3	-0.7	+2.7	+2.3	+3.2	+6.1
March	+6.9	+4.6	+5.5	+4.1	+7.7	+6.3	+6.0	+4.3	+4.7	+9.8	+5.1	+3.7	-0.9	-7.7	-14.7	-21.4	-23.2	-19.9	-11.4	-1.5	+6.1	+10.5	+9.2	+6.6
April	+11.5	+8.4	+8.2	+8.6	+6.2	+4.9	+7.3	+5.3	+7.0	+9.0	+8.1	+6.4	+0.4	-11.0	-26.8	-38.3	-32.8	-24.0	-10.8	-2.9	+5.1	+16.0	+19.7	+13.3
May	+4.3	+2.0	+3.9	+1.2	+0.7	+1.0	+2.9	+2.2	-0.8	-0.7	+0.8	-2.9	-6.7	-12.8	-20.5	-24.8	-19.0	-9.3	+3.9	+16.7	+21.3	+17.6	+12.1	+7.4
June	+6.9	+7.0	+4.3	+5.1	+3.8	+3.7	+2.5	+2.5	+1.8	+1.9	+4.0	+2.4	-5.4	-15.0	-25.9	-31.0	-24.2	-11.3	+2.7	+9.6	+15.4	+13.6	+13.5	+12.1
July	+9.2	+7.1	+5.8	+5.4	+5.9	+3.9	+3.9	+0.9	-0.3	+1.3	+4.0	+3.1	-4.3	-16.2	-25.8	-30.2	-24.0	-12.6	-0.3	+7.0	+13.8	+17.1	+13.9	+11.4
August	+13.5	+12.9	+11.1	+9.6	+7.9	+7.9	+8.2	+6.8	+4.3	+5.2	+5.0	+5.7	-0.4	-13.7	-27.0	-34.9	-31.8	-23.5	-10.3	+1.2	+6.9	+11.0	+11.4	+12.8
September	+12.1	+10.1	+10.1	+7.6	+8.4	+7.2	+8.3	+10.5	+9.0	+9.4	+8.9	+7.1	-2.3	-17.0	-34.0	-40.2	-31.3	-19.2	-7.3	+2.2	+5.2	+11.0	+12.5	+12.1
October	+8.4	+8.1	+7.5	+7.2	+6.4	+7.2	+6.0	+6.2	+7.3	+8.5	+9.1	+8.9	+2.5	-8.3	-18.7	-23.1	-24.9	-22.0	-12.1	-5.0	+0.2	+5.0	+7.4	+8.2
November	+7.5	+7.0	+6.4	+6.1	+5.5	+4.4	+5.3	+5.9	+5.8	+7.2	+7.5	+5.3	+1.9	-8.2	-13.7	-17.6	-20.7	-18.8	-9.9	-4.2	+0.8	+3.5	+6.8	+6.9
December	+6.8	+4.7	+3.8	+3.6	+4.0	+2.6	+3.1	+3.1	+3.8	+3.6	+3.6	+3.6	+2.7	-4.0	-14.1	-22.4	-21.5	-14.9	-6.6	+0.1	+5.8	+9.9	+10.9	+8.9
Year	+8.4	+7.1	+6.5	+5.8	+5.6	+4.9	+5.5	+5.2	+4.8	+5.9	+5.9	+4.7	-0.4	-10.4	-20.9	-27.5	-25.4	-18.2	-7.3	+1.4	+7.3	+10.6	+11.0	+9.7
Winter	+7.1	+6.0	+5.3	+5.2	+5.1	+4.1	+5.1	+5.9	+6.2	+6.5	+6.5	+5.5	+3.2	-5.8	-14.2	-21.4	-23.4	-19.3	-10.5	-2.5	+3.3	+6.4	+8.2	+8.1
Equinox	+9.7	+7.8	+7.8	+6.9	+7.2	+6.4	+6.9	+6.6	+7.0	+9.2	+7.8	+6.5	-0.1	-11.0	-23.6	-30.8	-28.0	-21.3	-10.4	-1.8	+4.2	+10.6	+12.2	+10.0
Summer	+8.5	+7.2	+6.3	+5.3	+4.6	+4.1	+4.4	+3.1	+1.2	+1.9	+3.4	+2.1	-4.2	-14.4	-24.8	-30.2	-24.8	-14.2	-1.0	+8.6	+14.4	+14.8	+12.7	+10.9

DECLINATION (minutes) (Quiet Days)

Table 110. Agincourt 1939.

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	+0.36	+1.01	+1.08	+0.92	+0.55	+0.14	+0.18	+0.39	+0.50	+0.86	+1.05	+1.40	+2.08	+4.33	+3.80	+0.92	-1.87	-4.20	-4.72	-3.93	-2.64	-1.34	-0.71	-0.18
February	-0.35	-0.03	+0.16	+0.30	+0.30	+0.26	+0.47	+0.67	+1.13	+1.85	+1.80	+1.66	+2.36	+2.80	+2.17	+1.57	-0.43	-2.95	-4.04	-3.22	-2.18	-1.52	-1.81	-1.07
March	-0.40	+0.28	+0.06	+1.14	+1.08	+1.02	+1.48	+1.94	+0.41	-0.17	+2.25	+2.87	+4.43	+5.47	+4.31	+1.95	-1.02	-4.08	-5.36	-5.44	-4.64	-3.76	-2.74	-1.12
April	-0.05	+1.38	+0.75	+0.48	+0.65	+0.54	+0.55	+0.34	+2.55	+3.30	+2.99	+4.48	+6.26	+6.61	+5.40	+1.65	-2.70	-5.77	-7.58	-8.19	-6.48	-4.15	-2.12	-0.99
May	+0.04	-0.29	-0.09	+0.84	+1.71	+2.48	+0.83	-0.17	+0.82	+2.43	+4.90	+5.97	+6.77	+6.10	+3.31	-0.40	-4.27	-6.43	-7.32	-6.29	-4.96	-3.69	-1.83	-0.58
June	-0.20	+0.18	+0.44	-0.94	+0.20	+0.16	+0.38	-0.76	-0.61	+0.79	+3.79	+6.69	+8.15	+7.23	+4.97	+1.19	-3.34	-5.94	-5.88	-6.08	-5.14	-3.50	-1.58	-0.18
July	-0.99	+0.45	+0.75	-0.15	-0.89	-0.39	+0.19	+0.43	+1.29	+2.67	+4.53	+6.77	+8.01	+6.83	+4.31	-0.03	-3.33	-5.45	-6.03	-6.51	-5.17	-3.89	-2.29	-1.03
August	-0.54	-1.03	-1.09	-0.84	-0.11	+0.27	+0.56	+1.29	+1.52	+2.56	+4.79	+7.64	+9.66	+9.85	+7.06	+2.76	-1.85	-7.20	-9.81	-9.63	-7.38	-4.83	-2.47	-1.22
September	-1.22	-0.53	-1.03	-0.31	+0.28	+0.24	+2.35	+3.35	+4.00	+3.78	+4.64	+5.83	+7.09	+6.96	+4.62	-0.44	-6.01	-7.95	-7.78	-6.80	-4.77	-2.97	-1.91	-1.30
October	-1.33	+0.35	+0.24	+0.08	-0.07	-0.35	+0.43	+1.06	+2.18	+2.21	+1.47	+2.78	+4.20	+5.21	+3.87	+1.10	-2.34	-4.49	-4.87	-4.07	-2.80	-1.80	-1.55	-1.63
November	+0.05	+0.46	+0.46	+0.45	+0.20	-0.03	+0.10	+0.22	+0.13	+0.98	+1.69	+2.32	+2.86	+3.55	+3.26	+1.05	-1.12	-3.20	-3.91	-3.36	-2.59	-2.02	-1.12	-0.37
December	+0.17	+0.91	+0.61	+0.35	+0.13	-0.37	-0.15	-0.02	+0.24	+0.70	+0.94	+1.18	+1.82	+2.98	+2.84	+1.24	-0.82	-2.45	-2.93	-2.47	-2.09	-1.59	-0.93	-0.31
Year	-0.37	+0.26	+0.20	+0.19	+0.34	+0.33	+0.61	+0.73	+1.18	+1.83	+2.90	+4.13	+5.31	+5.66	+4.16	+1.05	-2.42	-5.01	-5.85	-5.50	-4.24	-2.92	-1.76	-0.83
Winter	+0.06	+0.59	+0.58	+0.50	+0.30	0.00	+0.15	+0.32	+0.50	+1.10	+1.37	+1.64	+2.28	+3.42	+3.02	+1.20	-1.06	-3.20	-3.90	-3.24	-2.38	-1.62	-1.14	-0.48
Equinox	-0.75	+0.37	0.00	+0.35	+0.48	+0.36	+1.20	+1.67	+2.28	+2.28	+2.84	+3.99	+5.50	+6.06	+4.55	+1.06	-3.02	-5.57	-6.40	-6.12	-4.67	-3.17	-2.08	-1.26
Summer	-0.42	-0.17	0.00	-0.27	+0.23	+0.63	+0.49	+0.20	+0.76	+2.11	+4.50	+6.77	+8.15	+7.50	+4.91	+0.88	-3.20	-6.26	-7.26	-7.13	-5.66	-3.98	-2.04	-0.75

VERTICAL FORCE (gammas) (Quiet Days)

Table 111. Agincourt 1939.

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	-0.4	-0.4	-1.0	-1.5	-1.8	-1.2	-1.5	-1.8	-0.8	-1.2	-2.1	-2.1	+0.2	-0.5	-5.1	-3.5	+0.9	+4.3	+7.0	+6.1	+2.9	+2.8	-0.4	-0.1
February	+2.6	+1.6	+1.6	+1.0	-0.5	+0.2	+1.4	+0.1	-0.7	-0.8	-0.7	-0.9	-0.9	0.0	-1.7	-4.4	-6.2	-4.2	-1.1	+1.4	+2.9	+2.4	+3.6	+4.0
March	+7.8	+8.2	+7.6	+4.9	+2.2	+1.2	-1.5	-1.2	-8.9	-14.8	-10.1	-5.3	-2.4	-0.6	-3.0	-5.9	-5.8	-4.1	+1.2	+3.1	+4.7	+4.7	+8.1	+9.3
April	+4.0	+1.9	+0.1	-1.4	-0.4	-6.7	-14.9	-15.2	-6.8	-3.2	-2.0	-0.5	-1.7	-1.5	-0.5	-0.8	+0.6	+1.6	+5.4	+8.1	+8.4	+11.3	+9.2	+5.5
May	+6.1	+4.6	+4.1	+1.8	-0.7	-3.2	-7.7	-11.1	-6.5	+0.3	+2.4	-0.8	-4.7	-4.7	-5.3	-7.3	-7.6	-6.8	-1.0	+5.4	+10.5	+12.6	+12.0	+7.8
June	+7.3	+4.8	+3.1	-0.1	+0.5	-2.5	-4.8	-4.7	-2.5	+1.7	+3.5	+0.8	-2.5	-4.2	-3.7	-5.3	-8.0	-9.0	-5.4	+0.1	+4.8	+6.9	+9.2	+9.4
July	+4.1	+1.1	-0.3	-2.8	-9.1	-6.8	-5.4	-4.1	-2.8	-0.4	+2.0	-0.5	-0.4	-1.4	+0.5	-0.1	-2.3	-2.4	-0.8	+1.2	+7.0	+9.3	+7.6	+6.5
August	+2.7	+0.9	+1.1	-0.6	-0.9	-1.8	-1.4	-2.5	-1.8	+1.0	+4.8	+4.1	+3.2	+1.9	-0.1	-5.6	-10.9	-11.0	-7.3	-1.6	+3.9	+8.0	+8.0	+5.3
September	+2.8	+2.1	+1.5	+1.7	+0.5	-5.0	-5.5	-4.0	-3.6	-3.7	-4.1	+0.5	+1.0	+1.0	-0.8	-3.2	-3.1	-1.6	+2.5	+3.6	+5.5	+5.7	+3.5	+3.2
October	+8.1	+4.5	+3.8	+2.4	+1.3	-2.6	-2.5	-5.0	-5.1	-2.0	-2.1	+0.1	+1.5	-0.1	-2.1	-5.4	-5.5	-3.3	+1.2	+2.4	+3.4	+3.4	+1.5	+1.4
November	+0.9	-0.1	0.0	-0.3	-0.1	+0.5	+0.5	-0.1	-1.2	-3.3	-2.2	-1.5	-0.5	-1.7	-2.6	-5.3	-4.0	-1.2	+2.2	+5.1	+5.3	+4.5	+3.0	+1.8
December	+0.5	+0.6	+1.1	+1.4	-0.9	0.0	+0.1	-0.5	-0.6	-1.4	-0.9	-0.7	-0.4	-0.4	-2.7	-4.5	-2.2	-0.9	+2.1	+3.3	+3.4	+2.2	+1.4	+0.3
Year	+3.9	+2.5	+1.9	+0.5	-0.8	-2.3	-3.6	-4.2	-3.4	-2.3	-1.0	-0.6	-0.6	-1.0	-2.3	-4.3	-4.5	-3.2	+0.5	+3.2	+5.2	+6.2	+5.6	+4.5
Winter	+0.9	+0.4	+0.4	+0.2	-0.8	-0.1	+0.1	-0.6	-0.8	-1.7	-1.5	-1.3	-0.4	-0.6	-3.0	-4.4	-2.9	-0.5	+2.6	+4.0	+3.6	+3.0	+1.9	+1.5
Equinox	+5.7	+4.2	+3.2	+1.9	+0.9	-3.3	-6.1	-6.4	-6.1	-5.9	-4.6	-1.3	-0.4	-0.3	-1.6	-3.8	-3.4	-1.8	+2.6	+4.3	+5.5	+6.3	+5.6	+4.8
Summer	+5.0	+2.8	+2.0	-0.4	-2.6	-3.6	-4.8	-5.6	-3.4	+0.6	+3.2	+0.9	-1.1	-2.1	-2.2	-4.6	-7.2	-7.3	-3.6	+1.3	+6.6	+9.2	+9.2	+7.2

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 1939.

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	+5.5	+1.7	-4.7	-1.9	-5.3	-4.5	-1.4	-0.9	+4.1	+9.5	+8.1	+6.0	+6.4	+0.7	-8.2	-17.6	-18.7	-12.3	-7.9	+1.7	+12.7	+11.1	+6.8	+8.2
February	+45.6	+42.9	+11.9	-13.8	-19.7	-53.4	-63.1	-47.9	-34.6	-31.8	-2.6	-0.3	-8.5	-19.6	-13.5	-14.0	-26.3	-22.5	-14.7	+15.9	+51.3	+71.2	+84.2	+63.1
March	+26.4	+12.3	-10.4	-31.2	-8.6	-0.9	-29.2	-22.2	-40.9	-36.8	-0.3	-9.5	-3.4	-4.7	-28.1	-40.3	-41.9	-24.2	+7.4	+57.4	+66.0	+70.6	+63.5	+28.7
April	+78.7	+16.2	+30.5	+9.1	+32.4	+8.4	-96.8	-189.0	-128.6	-67.7	-69.4	-83.7	-41.6	-35.6	-81.2	-59.6	-9.6	+20.6	+50.8	+116.0	+149.6	+160.2	+93.1	+97.2
May	+38.0	+29.1	-11.3	-3.0	-12.0	-24.4	-88.9	-56.0	-4.6	-3.4	-36.9	-27.6	-35.3	-62.0	-45.6	-43.8	-17.7	-1.8	+13.5	+37.7	+70.5	+99.0	+105.7	+81.1
June	+40.5	+43.7	+23.7	+9.0	-17.6	-4.0	-13.7	-40.4	-65.0	-67.8	-22.2	-30.9	-23.0	-26.4	-25.3	-33.2	-17.1	-0.9	+11.4	+33.4	+50.2	+57.8	+58.8	+58.6
July	+51.1	+48.9	+42.8	+30.6	+11.1	-35.6	-51.5	-57.0	-41.1	-42.7	-40.6	-31.7	-60.0	-49.0	-52.1	-46.7	-36.0	0.0	+25.9	+48.1	+54.0	+93.2	+80.1	+57.5
August	+73.1	+34.3	+25.6	-28.6	-32.6	-97.9	-131.8	-116.8	-101.4	-63.5	-38.5	-28.6	-28.3	-30.0	-12.8	-16.0	+22.3	+37.5	+56.3	+73.6	+85.5	+110.1	+108.0	+100.5
September	+20.9	+21.1	+7.8	+8.7	+0.9	-24.7	-36.7	-5.7	-13.0	-14.0	-8.9	+1.1	+0.1	-9.3	-24.2	-39.6	-39.4	-24.4	+2.1	+56.2	+49.5	+26.9	+25.6	+19.3
October	+24.3	+15.0	+8.6	-44.8	-65.3	-67.9	-36.8	-57.1	-54.2	-21.0	+8.3	+0.8	-11.5	-19.3	-14.8	-20.5	-18.2	-9.3	+14.7	+44.0	+84.6	+72.9	+106.2	+59.8
November	+3.8	-5.9	+0.4	-5.8	-9.2	-10.8	+0.5	-0.3	-3.0	+7.6	+3.0	+17.6	+17.2	+4.2	-2.8	-10.5	-17.7	-16.7	-7.4	+4.4	+9.0	+6.9	+6.8	+7.8
December	+8.3	+6.2	-4.2	-16.1	-11.4	-12.7	-17.0	-18.0	-17.9	+4.7	+18.9	+25.3	+19.8	+12.0	-2.3	-12.4	-10.2	-7.0	-0.4	+7.0	+2.7	+5.0	+10.2	+9.8
Year	+34.7	+22.1	+10.1	-7.3	-11.4	-27.4	-47.2	-50.9	-41.7	-27.2	-15.1	-13.5	-14.0	-19.9	-25.9	-29.5	-19.2	-5.1	+12.6	+41.3	+57.1	+65.4	+62.4	+49.3
Winter	+15.8	+11.2	+0.8	-9.4	-11.4	-20.4	-20.2	-16.8	-12.8	-2.5	+6.8	+12.2	+8.7	-0.7	-6.7	-13.6	-18.2	-14.6	-7.6	+7.2	+18.9	+23.6	+27.0	+22.2
Equinox	+37.6	+16.2	+9.1	-14.6	-10.2	-21.3	-49.9	-68.5	-59.2	-34.9	-17.6	-22.8	-14.1	-17.2	-37.1	-40.0	-27.3	-9.3	+18.8	+68.4	+87.4	+82.6	+72.1	+51.2
Summer	+50.7	+39.0	+20.2	+2.0	-12.8	-40.5	-71.5	-67.6	-53.0	-44.4	-34.6	-29.7	-36.6	-41.8	-34.0	-34.9	-12.1	+8.7	+26.8	+48.2	+65.0	+90.0	+88.2	+74.4

DECLINATION (minutes) (Disturbed Days)

Table 113. Agincourt 1939.

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	+0.27	+0.47	+0.97	+0.95	+1.83	+0.89	+1.53	+0.65	+0.81	+1.01	+2.09	+0.29	+2.35	+3.07	+2.03	+0.59	-1.67	-3.53	-4.81	-4.05	-2.75	-1.53	-1.17	-0.23
February	-4.11	-4.01	+3.45	+1.62	+4.90	+4.01	+6.29	+6.73	+6.54	+1.38	-0.42	-0.25	-3.29	-3.18	-5.36	-4.30	-3.41	-4.39	-3.43	-2.34	-0.62	+5.03	-0.03	-0.75
March	-2.07	+0.14	+4.51	+5.33	+3.96	+3.47	+5.35	+4.10	+0.11	+0.41	+3.16	+0.35	+0.57	+1.56	+4.13	+0.57	-1.68	-5.53	-6.39	-5.34	-3.99	-5.23	-3.88	-3.55
April	-2.04	-1.99	+4.75	+2.69	+1.36	-1.32	-6.59	-8.47	-3.88	+10.38	+5.66	-3.65	+3.19	+5.80	+0.20	-1.00	-5.59	-3.73	+0.22	+8.98	-1.95	-0.03	-1.69	-1.24
May	+4.65	+3.44	+4.47	+5.34	+3.51	+4.84	-4.78	+3.63	+5.74	+3.27	+0.16	+6.21	+4.15	+1.64	-6.45	-4.88	-6.67	-9.16	-6.86	-5.07	-4.66	-2.39	+0.26	-0.31
June	-0.63	+0.16	+1.88	+2.14	+1.41	+3.37	+4.28	+1.80	-7.59	-2.99	+4.85	+6.38	+6.76	+3.87	+2.95	-0.93	-5.02	-5.94	-6.27	-5.25	-3.82	-1.88	-0.04	+0.47
July	+1.00	-0.81	+1.70	+5.67	+3.44	+4.95	+3.30	-0.53	-4.30	-7.43	+2.86	+1.93	-0.67	-2.68	+0.25	+2.00	-0.85	-3.06	-2.99	-3.20	-1.83	-0.40	+2.07	-0.32
August	+9.50	+7.33	+0.98	+2.81	-8.99	+1.38	-9.31	+2.34	-0.50	-3.30	-0.29	-2.44	+5.14	+4.28	+0.70	-2.15	-6.62	-5.49	-5.86	-3.33	-0.11	+1.64	+4.13	+8.08
September	-0.38	-0.81	+1.82	+5.60	+2.17	+1.36	-0.56	+2.85	+7.76	+3.96	+6.19	+7.94	+8.94	+5.07	+0.82	-4.76	-8.77	-10.42	-9.24	-5.39	-5.54	-4.14	-2.85	-1.68
October	+1.10	+6.48	+10.94	+4.88	+1.42	-6.72	-3.11	+3.43	+0.89	+1.61	+4.11	-0.13	+0.23	+2.67	+0.15	-1.15	-3.85	-7.27	-6.58	-6.28	-1.74	-1.40	-1.62	+1.88
November	+1.04	+5.91	+4.12	+3.89	+3.52	+2.53	+2.52	+3.15	+2.64	+2.03	+0.12	-2.07	+0.97	+2.02	+0.15	-1.46	-3.79	-5.70	-6.31	-5.10	-4.41	-3.68	-1.91	-0.22
December	+2.09	+3.96	+7.96	+4.00	+4.99	+2.81	+0.52	+2.36	+0.05	+2.49	+1.45	+1.48	+1.90	+0.69	-2.39	-4.67	-4.24	-4.74	-4.43	-4.69	-4.74	-3.46	-2.78	-0.43
Year	+0.87	+1.69	+3.96	+3.74	+1.96	+1.79	-0.05	+1.84	+0.69	+1.03	+2.50	+1.34	+2.52	+2.07	-0.24	-1.84	-4.35	-5.75	-5.25	-3.42	-3.01	-1.46	-0.79	+0.14
Winter	-0.18	+1.58	+4.15	+2.62	+3.81	+2.56	+2.72	+3.22	+2.51	+1.73	+0.81	-0.14	+0.48	+0.65	-1.39	-2.46	-3.28	-4.59	-4.74	-4.04	-3.13	-0.91	-1.47	-0.41
Equinox	-0.85	+0.96	+5.50	+4.62	+2.23	-0.80	-1.23	+0.48	+1.22	+4.09	+4.78	+1.13	+3.23	+3.78	+1.32	-1.58	-4.97	-6.74	-5.50	-2.01	-3.31	-2.70	-2.51	-1.15
Summer	+3.63	+2.53	+2.26	+3.99	-0.16	+3.64	-1.63	+1.81	-1.66	-2.61	+1.90	+3.02	+3.84	+1.78	-0.64	-1.49	-4.79	-5.91	-5.50	-4.21	-2.60	-0.76	+1.60	+1.98

VERTICAL FORCE (gammas) (Disturbed Days)

Table 114. Agincourt. 1939.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+6.8	+7.6	+8.4	+4.2	+2.4	+0.2	-7.2	-11.4	-11.2	-8.1	-4.3	-2.7	-2.5	-2.3	-5.5	-2.5	-0.2	-0.1	+3.5	+5.4	+4.0	+3.6	+4.8	+6.8
February	+31.2	+52.3	+48.6	+38.3	+22.3	-19.2	-46.3	-53.9	-27.4	-37.1	-34.5	-40.7	-36.8	-31.2	-26.7	-14.7	-7.0	+0.6	+13.5	+39.1	+58.5	+11.7	+52.0	+7.3
March	+48.0	+44.8	+12.0	-34.9	-19.4	-32.3	-50.4	-43.4	-75.7	-70.1	-47.6	-33.6	-27.8	-23.5	-15.3	-8.0	-0.1	+13.9	+35.8	+68.5	+74.8	+76.4	+63.6	+45.0
April	+26.4	+12.2	+0.4	+8.7	+22.7	-17.5	+14.8	-43.4	-83.4	-81.0	-73.5	-71.1	-49.9	-34.2	-34.8	+6.3	+21.8	+30.7	+60.0	+93.0	+34.1	+44.2	+54.0	+59.3
May	+57.3	+29.6	-17.8	-25.0	-41.1	-62.0	-101.5	-59.6	-34.3	-22.2	-44.5	-32.5	-29.1	-30.9	-22.7	-9.8	+2.5	+14.9	+32.0	+62.4	+75.1	+92.7	+92.5	+73.3
June	+46.8	+55.0	+33.2	-15.8	-49.3	-40.9	-54.6	-73.5	-109.1	-82.7	-41.4	-21.2	-7.5	-0.6	+4.8	+13.5	+19.1	+31.2	+38.5	+49.1	+51.9	+53.1	+54.4	+46.0
July	+45.1	+39.8	+42.5	+24.2	-12.2	-78.6	-89.3	-58.4	-68.1	-79.1	-65.4	-62.4	-82.7	-61.9	-27.4	-0.2	+29.0	+53.4	+72.1	+73.5	+77.5	+101.8	+78.5	+47.4
August	+65.1	+29.6	-47.8	-111.9	-20.5	-21.5	-53.0	-64.9	-76.4	-107.5	-52.6	-40.3	-44.2	-59.6	-31.4	+14.5	+40.4	+58.2	+68.0	+89.5	+99.2	+101.6	+78.3	+86.4
September	+24.6	+23.6	+32.2	-0.6	-8.1	-37.2	-63.9	-21.7	-24.8	-45.7	-65.1	-53.7	-32.9	-23.4	-12.5	-5.6	+2.2	+22.1	+51.0	+74.2	+52.5	+41.2	+36.9	+35.5
October	+39.7	+20.5	+4.4	-84.5	-48.0	-63.1	-55.6	-50.6	-27.7	-37.7	-22.8	-17.3	-9.0	+2.9	+5.8	+3.6	+14.2	+29.0	+51.7	+57.8	+22.2	+50.3	+46.3	+67.8
November	+35.1	+32.9	+23.5	-8.9	+0.9	-36.3	-35.8	-45.9	-24.3	-19.0	-34.8	-38.4	-31.0	-19.4	-9.8	-0.2	+5.6	+11.5	+16.7	+22.5	+29.6	+43.5	+43.9	+37.1
December	+24.7	+19.1	+8.5	-0.3	0.0	-10.0	-25.3	-30.4	-45.3	-29.7	-22.6	-18.9	-9.2	-10.7	-11.1	-6.5	-0.1	+3.8	+12.7	+19.4	+24.2	+39.1	+39.2	+30.3
Year	+37.6	+30.6	+12.3	-17.2	-12.5	-34.9	-47.3	-46.4	-50.6	-51.7	-42.4	-36.1	-30.2	-24.6	-15.6	-0.8	+10.6	+22.4	+38.0	+54.5	+50.3	+54.9	+53.7	+45.2
Winter	+24.4	+28.0	+22.2	+8.3	+6.4	-16.3	-28.6	-35.4	-27.0	-23.5	-24.0	-25.2	-19.9	-15.9	-13.3	-6.0	-0.4	+4.0	+11.6	+21.6	+29.1	+24.5	+35.0	+20.4
Equinox	+34.7	+25.3	+12.2	-27.8	-13.2	-37.5	-38.8	-39.8	-52.9	-58.6	-52.2	-43.9	-29.9	-19.6	-14.2	-0.9	+9.5	+23.9	+49.6	+73.4	+45.9	+53.0	+50.2	+51.9
Summer	+53.6	+38.5	+2.5	-32.1	-30.8	-50.8	-74.6	-64.1	-72.0	-72.9	-51.0	-39.1	-40.9	-38.2	-19.2	+4.5	+22.8	+39.4	+52.6	+68.6	+75.9	+87.3	+75.9	+63.3

MEANOOK MAGNETIC OBSERVATORY

Geographic Latitude 54° 37′ N — Longitude 113° 20′ W

Geomagnetic Latitude 61° .8N — Longitude 301° .0 E

Officer-in-Charge: H. E. Cook — *Assistant:* Anne B. Cook

1938—1939

Introduction

The administration of Meanook Magnetic Observatory was transferred from the Meteorological Service of Canada, Toronto, to the Dominion Observatory, Ottawa, on December 2, 1936. W. E. W. Jackson joined the staff of the Dominion Observatory in Ottawa and continued to be responsible for the operation of Canadian magnetic observatories.

Instruments

The same absolute instruments continued in use, namely, Elliott magnetometer No. 98 for declination and horizontal intensity and earth inductor MS1 for inclination.

The corrections on International Magnetic Standard adopted for these instruments are as follows:

for D, I.M.S. — Elliott 98 = +0′.04

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

for I, I.M.S. — M.S. 1 = −0′.85

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

Scale values for the la Cour standard set were, D = 0′.96/mm; H = 8.06γ/mm; and Z = 10.74γ/mm. For the low sensitivity la Cour set the values were, D = 2′.3/mm; H = 22.2γ/mm; and Z = 16.7γ/mm. Scale values for the Kew-type set were, D = 1′.30/mm; and H = 9.22γ/mm.

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

MEAN VALUES FOR MONTHS AND YEAR MEANOOK

Month	+D East	H	Z	X	Y East	I North	F
1938	° ′	γ	γ	γ	γ	° ′	γ
January	25 57.8	12715	59312	11432	5567	77 54.0	60660
February	56.9	725	333	442	68	53.7	682
March	58.2	732	357	446	75	53.6	706
April	55.4	725	286	445	63	53.2	636
May	55.1	728	212	448	63	52.1	565
June	51.4	739	203	464	56	51.4	558
July	53.0	725	213	448	55	52.3	565
August	53.1	733	201	456	59	51.7	555
September	55.7	713	207	433	59	52.9	556
October	54.8	711	214	433	55	53.1	563
November	53.3	731	225	453	59	52.1	578
December	53.2	735	255	457	60	52.2	608
YEAR	25 54.8	12726	59252	11446	5562	77 52.7	60603
1939							
January	25 53.4	12737	59268	11459	5562	77 52.3	60621
February	52.6	716	272	441	50	53.5	621
March	52.3	706	246	433	44	53.7	593
April	57.2	691	209	411	54	54.1	554
May	51.8	709	218	436	44	53.2	566
June	51.8	714	244	441	46	53.3	593
July	52.7	694	226	421	40	54.2	571
August	50.4	705	217	435	38	53.5	565
September	48.8	708	188	440	34	52.9	537
October	49.7	698	201	430	32	53.6	547
November	49.7	722	206	451	43	52.4	557
December	49.0	724	200	454	41	52.2	552
YEAR	25 51.6	12710	59225	11438	5544	77 53.2	60573

MEAN ANNUAL VALUES MEANOOK

Year	+D East	H	Z	X	Y East	I North	F
	° ′	γ	γ	γ	γ	° ′	γ
1929	26 42.9	12781	59721	11417	5746	77 55.1	61062
1930	39.2	755	680	400	22	56.1	023
1931	33.3	758	601	412	04	55.0	60951
1932	27.2	738	466	405	5674	54.6	815
1933	21.9	736	413	412	56	54.0	761
1934	15.3	736	367	422	34	53.5	718
1935	08.2	732	367	430	08	53.7	716
1936	03.4	728	291	435	5591	53.0	642
1937	25 59.6	729	266	442	79	52.7	618
1938	54.8	726	252	446	62	52.7	603
1939	51.6	710	225	438	44	53.2	573

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 115. Meanook. (H.) 12,000 γ + January, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	768	769	770	771	776	779	772	772	776	765	777	765	764	759	757	755	748	742	732	740	742	746	746	756	760
2	759	761	765	759	760	764	759	759	752	742	732	740	767	744	701	726	757	752	733	737	740	745	756	759	749
3	753	771	771	768	762	762	760	759	756	771	761	760	761	759	734	700	721	735	728	730	732	734	745	754	749
4	758	755	753	751	756	769	762	751	750	727	709	705	651	286	517	681	786	754	741	712	679	694	734	758	706
5 Q	754	761	765	751	755	759	761	759	742	616	680	774	762	759	755	754	752	744	742	741	741	745	751	755	745
6	761	763	763	762	761	763	762	762	761	757	754	753	751	732	733	769	733	688	731	735	734	738	748	754	749
7	761	763	807	781	772	773	769	763	751	749	748	737	743	735	697	655	754	755	704	679	689	724	741	762	742
8	779	788	849	843	836	738	752	676	576	637	715	743	751	751	750	747	741	734	728	725	727	727	732	762	742
9	789	780	773	780	760	757	753	754	744	748	733	739	740	737	737	754	751	740	731	727	728	733	743	754	749
10 Q	752	747	747	759	756	750	750	754	748	736	746	750	743	741	759	758	753	742	731	719	720	723	731	740	744
11 Q	750	756	757	762	758	754	753	752	753	752	747	749	763	761	757	754	739	737	733	726	729	732	736	744	748
12	752	753	757	756	757	759	751	728	742	769	759	759	754	753	755	759	752	717	695	739	735	740	750	801	750
13	882	950	929	973	925	803	655	508	318	357	720	767	753	751	733	721	719	722	719	722	715	727	740	742	731
14 Q	741	742	742	739	738	737	738	723	568	747	750	731	732	719	680	766	761	750	740	734	730	731	738	747	730
15	755	750	750	756	761	750	736	750	713	738	730	738	731	733	756	760	759	740	729	723	726	731	733	747	742
16 D	744	749	751	754	759	755	750	754	745	696	707	713	720	736	759	747	709	726	734	738	756	759	764	950	749
17 D	903	1004	1176	1086	1126	1048	912	781	570	683	789	469	-997	-931	132	263	459	756	748	709	710	747	724	695	607
18	704	711	762	785	779	759	720	660	707	712	702	670	568	673	690	538	573	719	625	675	701	719	818	742	696
19	798	763	749	755	763	750	771	721	550	625	581	496	613	601	607	546	483	607	693	722	728	726	735	736	672
20	740	747	747	747	738	836	833	802	723	758	740	643	527	610	569	700	740	724	677	620	637	712	716	741	709
21	751	741	741	772	796	795	766	755	519	462	419	436	687	464	381	661	699	704	713	718	711	719	761	823	666
22 D	851	914	1017	1139	901	809	731	501	395	-357	119	155	441	233	366	071	058	510	761	783	727	676	709	715	551
23	731	754	726	732	716	717	681	700	667	538	583	680	703	714	709	733	726	718	714	701	684	706	722	713	699
24	743	804	806	813	785	740	731	749	754	656	655	647	687	694	716	743	728	728	712	701	683	700	712	743	726
25 D	760	779	799	760	754	743	744	745	735	736	733	732	494	475	538	617	650	577	382	089	498	623	505	493	623
26 D	861	1121	1018	883	755	685	710	643	380	503	220	452	534	533	675	713	708	717	725	723	700	697	707	722	683
27	717	722	726	734	734	732	728	717	682	725	721	720	732	726	705	599	719	731	699	724	716	720	718	724	716
28	735	737	750	754	745	754	752	744	741	731	733	726	732	717	680	743	749	739	735	733	730	695	715	745	734
29	739	737	738	749	752	740	756	748	751	744	712	579	763	750	748	745	743	742	743	746	718	717	777	734	736
30 Q	752	750	738	756	757	756	750	747	741	739	745	744	747	745	753	751	751	749	738	713	708	702	737	753	743
31	745	750	745	752	753	756	769	775	782	734	757	567	680	709	710	654	644	718	731	732	681	749	758	722	724
Mean	767	787	796	796	782	768	753	726	674	655	677	666	639	618	663	674	689	717	711	700	708	721	732	745	715

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 116. Meanook. (D.) East. 25° + . . . ′ January, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	45.6	49.2	52.1	52.0	51.2	49.7	48.8	51.2	51.6	41.5	54.0	53.9	54.1	55.4	56.3	57.1	58.9	58.2	52.9	49.8	49.6	49.0	47.2	50.5	51.7
2	51.7	51.4	53.9	55.8	54.7	53.6	53.9	53.7	54.3	54.7	54.4	52.3	56.5	61.0	51.0	56.5	55.8	56.7	51.5	52.4	51.5	50.2	50.6	50.7	53.7
3	50.5	53.3	52.7	52.1	52.0	50.6	52.2	55.0	52.1	52.2	49.7	55.5	58.7	57.5	55.8	54.6	56.1	52.8	57.9	54.6	54.8	54.5	56.1	55.6	54.0
4	54.6	53.9	54.8	58.2	57.7	58.7	55.9	55.4	56.7	55.4	61.2	63.6	62.0	54.3	37.1	66.9	65.3	60.8	58.4	57.7	54.4	43.1	44.9	49.2	55.8
5 Q	55.0	57.2	57.3	57.3	56.5	63.0	65.7	53.3	56.4	54.3	55.2	58.7	56.3	56.4	57.4	57.7	58.7	58.7	57.7	56.5	53.9	52.9	53.0	53.5	56.8
6	53.9	54.3	54.8	55.2	55.3	55.2	55.2	54.8	54.4	56.1	56.5	56.5	62.0	56.9	51.7	62.0	60.2	52.7	51.5	54.7	52.1	49.2	51.5	51.7	54.9
7	52.0	51.2	49.4	54.3	56.8	58.0	58.1	57.2	57.3	56.8	57.2	54.4	57.3	60.9	59.7	61.0	62.0	56.3	58.6	57.2	53.0	45.1	47.8	50.7	55.5
8	53.4	55.8	59.1	62.0	68.2	67.7	59.5	59.0	64.1	67.9	57.7	55.7	55.9	57.7	59.1	60.7	62.2	62.0	59.3	56.5	52.5	51.5	51.7	51.7	58.8
9	54.3	53.0	53.5	62.6	62.7	60.6	57.2	55.6	54.3	54.3	57.2	54.9	54.5	53.8	56.7	58.8	62.1	61.5	59.3	56.3	54.5	53.1	53.2	53.4	56.6
10 Q	53.4	54.8	55.2	57.3	60.8	57.3	56.5	55.5	55.0	54.3	57.2	58.3	56.6	55.3	58.3	60.0	61.8	61.8	61.4	58.7	54.4	52.9	52.7	52.9	56.8
11 Q	53.1	54.4	55.8	57.6	57.2	57.0	56.7	56.0	54.9	55.8	57.2	58.1	57.9	59.7	57.6	62.5	62.9	62.7	57.1	55.1	51.2	50.7	51.7	52.4	56.5
12	53.7	54.4	54.6	55.8	56.0	56.0	52.6	46.8	59.7	56.5	55.8	57.6	57.9	58.1	60.4	65.2	67.1	55.8	48.9	42.2	43.6	44.3	46.8	54.0	54.3
13	53.0	43.8	48.9	55.8	61.8	62.7	61.6	74.0	53.5	61.6	67.3	57.6	56.3	57.0	56.0	55.5	54.6	53.0	54.2	55.8	55.8	55.6	53.5	55.1	56.8
14 Q	56.7	57.6	57.9	60.1	58.8	57.9	56.3	58.6	53.0	61.8	58.1	57.0	57.6	59.2	51.2	60.4	62.0	59.2	58.3	57.2	53.5	51.9	53.5	55.8	57.2
15	53.5	54.9	55.8	56.0	55.8	55.3	56.0	53.5	57.9	58.3	60.2	57.6	55.8	51.4	55.8	61.8	62.9	60.9	56.3	57.6	54.0	53.3	55.6	54.4	56.4
16 D	55.8	55.1	56.5	57.9	58.1	56.5	57.2	57.6	53.5	58.1	60.1	58.1	60.9	57.9	59.2	60.2	57.6	55.8	58.3	58.6	65.0	65.9	75.4	143.2	62.6
17 D	74.9	65.5	65.7	53.5	51.2	38.1	29.3	04.0	05.9	37.4	47.0	58.1	54.9	59.2	118.4	111.0	106.9	68.9	60.4	56.5	58.1	65.0	59.0	57.9	53.4
18	57.4	61.3	65.0	70.1	59.5	57.5	51.1	42.0	33.2	55.4	60.3	62.4	61.2	60.2	64.5	65.0	65.9	70.1	66.4	55.9	54.3	62.3	67.6	63.2	60.5
19	61.4	58.7	59.3	62.1	61.7	62.3	61.5	54.6	48.4	66.9	69.8	69.3	64.8	71.7	57.2	65.8	56.4	56.2	65.2	58.3	58.7	59.4	60.1	61.6	61.3
20	61.5	61.5	55.5	55.5	56.3	73.7	56.7	55.0	47.0	50.7	54.8	60.2	54.5	54.9	52.1	71.7	64.6	62.1	68.5	56.4	47.8	46.4	48.9	49.9	56.9
21	54.1	55.3	56.1	56.9	70.8	57.9	55.9	53.8	90.9	65.0	67.6	76.7	61.0	90.9	85.1	67.7	68.5	68.9	61.1	56.5	56.8	54.5	58.2	63.3	64.7
22 D	58.9	55.2	67.2	54.8	52.5	35.3	05.1	49.0	36.2	27.5	51.2	85.6	73.6	64.1	83.7	104.7	110.5	90.6	71.3	69.8	65.0	62.2	59.8	59.0	62.2
23	56.1	59.4	60.8	60.6	60.8	62.7	57.9	56.7	56.0	51.2	53.1	60.2	62.6	56.9	61.7	64.8	65.0	67.4	64.8	62.6	59.0	64.1	51.5	53.2	59.1
24	54.9	53.1	53.9	50.1	53.4	57.9	57.8	60.7	49.3	54.5	62.2	66.1	62.1	58.4	63.2	67.9	67.1	65.4	62.3	57.9	55.1	51.2	51.5	53.9	57.9
25 D	56.0	56.1	56.3	56.2	56.3	54.4	58.2	54.3	54.1	55.3	56.4	57.9	48.3	75.4	80.8	78.0	78.4	81.3	120.5	139.6	131.5	119.5	108.1	67.7	75.0
26 D	58.2	65.7	67.0	54.1	57.4	50.2	53.4	50.7	62.0	61.7	52.4	58.6	57.3	63.1	67.7	67.0	64.9	63.7	63.1	61.7	58.9	56.4	55.4	56.5	59.5
27	56.3	55.8	56.4	57.1	56.2	55.0	55.0	58.2	56.9	55.6	56.3	56.5	55.3	57.2	58.3	54.3	58.1	53.2	58.4	56.5	54.4	53.2	52.9	54.3	55.9
28	54.0	52.7	53.6	54.1	56.6	55.6	54.5	54.9	55.3	55.8	58.2	60.6	58.2	62.0	55.7	60.1	59.5	58.3	57.7	58.2	56.7	50.7	50.5	52.8	56.1
29	53.7	53.6	53.8	54.2	52.6	62.0	56.2	55.5	55.8	57.0	58.4	68.9	60.2	58.3	58.6	58.9	58.7	57.4	55.5	56.9	54.6	49.8	51.5	49.8	56.3
30 Q	50.3	52.9	55.0	55.5	55.2	54.2	54.1	53.6	53.8	54.5	56.3	58.1	57.4	57.7	58.4	60.3	61.1	60.1	61.4	58.2	52.0	48.3	50.4	51.9	55.4
31	51.9	50.4	53.6	54.5	54.4	54.5	53.1	55.7	54.5	53.5	56.3	76.7	69.8	68.2	64.3	70.2	51.9	53.3	57.1	61.9	75.6	57.2	45.3	50.5	58.1
Mean	55.2	55.2	56.5	56.8	57.4	56.5	53.6	53.2	53.8	54.9	57.4	60.8	58.8	56.5	61.7	65.4	64.8	61.5	61.1	59.6	57.8	55.3	55.4	57.4	57.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 117. Meanook. (Z.) 59,000 γ + January, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	263	260	259	260	272	284	269	270	279	165	284	258	246	241	240	239	237	236	235	234	236	239	239	240	249
2	250	255	256	255	255	253	249	247	245	233	162	158	227	223	191	195	232	242	237	240	247	255	257	256	234
3	265	265	259	252	251	252	251	248	227	213	206	197	219	240	247	252	256	246	267	253	251	249	250	253	244
4	265	268	270	293	294	285	266	255	250	244	199	191	170	-043	-098	116	247	244	254	254	276	276	267	289	222
5 Q	302	283	278	274	270	284	260	250	261	152	176	261	270	265	261	263	263	265	265	265	264	263	264	263	259
6	265	264	265	264	263	262	262	262	262	257	252	232	227	241	220	238	233	230	239	253	252	270	265	263	252
7	276	308	342	332	298	315	300	287	273	266	254	244	230	233	179	155	206	214	234	276	300	288	290	311	267
8	314	324	364	335	271	258	294	166	142	157	236	281	282	281	281	281	281	281	281	285	290	293	301	335	276
9	370	335	369	363	328	314	310	293	276	289	277	274	268	271	288	299	292	289	288	290	294	293	291	289	302
10 Q	287	293	300	296	305	298	292	287	282	266	266	274	275	270	284	291	290	289	291	291	291	291	291	291	287
11 Q	294	294	296	295	287	284	283	281	282	279	269	265	276	278	279	280	287	277	279	280	285	288	291	287	283
12	293	290	292	292	292	291	285	151	260	299	289	285	280	276	275	261	246	233	250	254	268	285	319	356	276
13	373	321	312	089	295	260	314	252	277	057	181	300	303	296	287	266	280	278	296	307	307	311	305	302	274
14 Q	306	305	306	305	306	307	295	263	172	292	296	283	260	258	229	289	292	292	297	305	304	301	304	301	286
15	306	300	300	299	299	308	311	246	246	286	276	274	261	264	284	288	288	286	288	288	299	301	302	309	288
16 D	313	302	302	302	306	303	300	290	276	239	248	234	227	245	271	270	251	248	271	293	327	354	388	593	298
17 D	406	629	648	606	535	431	343	327	147	556	552	495	-021	337	1064	990	790	536	434	409	414	434	400	370	493
18	370	380	384	379	397	399	327	300	363	362	362	332	299	346	346	344	317	362	342	348	343	385	449	410	360
19	401	368	365	369	388	386	372	277	181	272	268	286	265	204	265	231	216	256	335	338	339	344	351	349	309
20	343	339	341	343	352	355	373	369	325	317	349	263	287	176	216	318	319	326	350	361	359	347	337	348	326
21	345	340	348	379	375	328	314	305	208	278	327	229	262	229	183	268	271	319	347	347	337	346	397	428	313
22 D	478	504	620	567	444	310	368	284	436	269	460	616	528	709	476	551	444	330	401	392	378	369	379	367	445
23	367	372	355	360	363	344	306	328	300	234	260	295	304	322	312	343	341	339	341	341	342	348	348	362	330
24	392	396	423	459	442	391	372	363	315	365	326	271	319	345	355	383	350	347	363	362	361	372	382	396	369
25 D	410	421	431	401	376	370	369	364	359	359	357	345	177	099	138	233	239	265	822	685	562	326	146	191	352
26 D	-179	233	282	341	350	390	405	406	398	490	564	459	340	358	392	418	377	382	391	387	382	375	384	384	363
27	384	385	387	385	381	374	372	345	260	356	366	365	369	366	353	280	350	354	362	383	380	366	366	369	361
28	368	369	380	381	382	377	358	356	357	353	352	326	320	308	302	344	350	348	347	351	352	350	347	357	352
29	352	352	358	366	368	323	357	357	368	355	293	214	335	340	338	340	340	340	336	333	339	356	405	376	343
30 Q	382	369	362	362	350	347	346	341	344	336	350	332	330	326	334	334	334	331	330	334	342	340	350	358	344
31	371	385	363	352	353	358	373	376	228	271	333	227	239	293	302	249	216	281	267	333	357	403	395	362	320
Mean	320	339	349	340	337	324	319	295	277	286	303	292	270	277	293	310	304	299	324	325	325	323	324	334	312

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 118. Meanook. January, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	09	05	961	09	22	705	256	16	42	61.1	09	18	20.6	40.5	09	03	316	09	14	051	265
2	12	30	772	13	00	647	125	13	36	63.9	14	35	45.6	18.3	03	06	259	10	59	125	134
3	09	09	798	15	09	688	110	18	01	65.6	17	42	45.7	19.9	18	27	279	11	51	185	94
4	16	12	863	13	35	-172	1035	13	03	78.0	13	51	17.8	60.2	20	38	330	13	34	-305	635
5Q	06	42	801	09	49	525	276	06	09	80.2	09	44	45.7	34.5	05	43	306	09	48	066	240
6	15	34	786	17	32	624	162	15	32	65.8	17	55	44.0	21.8	21	06	281	14	46	187	94
7	02	43	825	15	18	503	322	18	01	67.0	21	30	39.8	27.2	02	58	367	15	20	091	276
8	02	24	1036	08	47	483	553	05	21	83.0	08	56	44.1	38.9	02	24	461	04	47	-004	465
9	00	17	861	19	09	712	149	03	16	68.5	08	02	48.9	19.6	03	17	402	08	05	245	157
10Q	03	46	781	21	12	721	60	04	41	71.8	13	02	48.9	22.9	04	37	338	09	45	250	88
11Q	03	47	764	19	39	718	46	15	55	64.5	21	49	50.0	14.5	16	26	296	11	00	260	36
12	23	00	839	07	29	544	295	16	05	70.8	18	58	36.5	34.3	23	04	394	07	43	100	294
13	03	22	1071	08	51	-297	1368	08	49	110.5	08	53	-20.1	130.6	04	00	727	08	50	-085	812
14Q	15	19	782	08	16	302	480	16	03	70.8	18	59	37.4	33.4	05	34	317	08	20	086	231
15	07	41	811	07	59	650	161	09	02	70.5	08	16	21.8	48.7	06	00	323	08	01	128	195
16D	23	07	1120	22	48	584	536	23	15	208.8	17	32	45.0	163.8	23	13	654	15	59	163	491
17D	02	00	1294	13	12	-1370	2664	15	47	199.3	13	02	-144.3	343.6	14	30	1361	12	56	-799	2160
18	22	23	924	15	26	399	525	03	22	78.4	06	59	03.6	74.8	15	44	478	07	00	096	382
19	02	09	819	11	12	411	408	07	24	84.5	08	01	35.3	49.2	00	17	467	08	11	090	377
20	05	26	924	13	02	306	618	05	22	99.0	14	20	39.0	60.0	06	42	424	13	55	077	347
21	05	09	923	10	34	-130	1053	08	28	145.3	10	05	24.4	120.9	23	40	434	08	24	-050	484
22D	02	49	1234	09	50	-1072	2306	16	00	228.4	06	33	-25.8	254.2	13	12	791	09	17	-544	1335
23	01	31	782	09	32	455	327	16	47	70.8	09	36	45.6	25.2	23	55	490	09	56	199	291
24	03	35	843	09	19	534	309	15	13	72.8	08	01	30.2	42.6	03	34	489	08	39	255	234
25D	16	45	888	19	20	-035	923	18	21	224.5	12	10	04.9	219.6	18	22	1090	12	21	-122	1212
26D	00	49	1265	10	55	087	1178	15	51	87.2	10	56	29.8	57.4	11	03	606	00	30	-264	870
27	16	49	771	15	41	559	212	17	27	69.1	15	18	37.0	32.1	19	45	389	08	27	195	194
28	15	38	766	14	51	649	117	13	46	66.1	21	58	48.1	18.0	04	00	385	14	10	266	119
29	22	36	802	11	26	528	274	11	42	83.7	05	05	37.8	45.9	22	36	440	11	08	153	287
30Q	23	00	765	21	40	690	75	18	23	64.3	21	27	45.6	18.7	00	04	384	09	37	321	63
31	21	27	902	11	32	363	539	11	32	88.0	09	04	07.2	80.8	21	10	463	09	01	065	398
Mean			896			333	563			95.6			25.6	70.0			476			048	428
No. days			31			31	31			31			31	31			31			31	31

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TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 119. Meanook. (H.) 12,000 γ + February, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	731	736	735	740	740	723	740	740	743	730	726	721	446	439	731	758	761	750	738	728	715	708	721	734	710
2	763	773	774	790	758	748	746	740	622	564	649	634	721	748	752	744	740	728	723	718	719	717	722	735	722
3	746	734	767	764	761	756	783	727	740	727	754	740	714	671	697	702	703	724	705	710	702	713	730	734	729
4	729	746	760	759	755	755	750	745	723	705	739	730	739	740	720	715	740	740	722	719	726	727	731	728	735
5	740	751	752	750	755	764	767	749	744	709	714	766	753	734	708	744	755	741	729	732	734	733	736	744	742
6 D	744	749	758	786	770	764	907	856	780	719	603	536	578	646	762	694	561	533	646	647	717	710	729	769	707
7	804	847	833	778	737	749	751	799	791	767	752	699	578	570	763	772	767	733	719	717	710	726	731	737	743
8 D	737	739	745	740	741	742	741	737	732	735	743	745	749	749	749	739	659	388	554	690	688	766	743	721	711
9 D	734	751	772	865	895	694	628	715	704	626	402	381	231	392	458	711	752	731	704	728	725	736	734	739	659
10 D	757	747	814	905	1038	967	921	393	603	766	739	680	640	671	735	755	750	735	729	734	729	728	726	727	750
11	727	739	730	855	945	886	400	508	512	250	368	617	708	734	729	723	739	737	720	725	734	725	721	720	677
12	729	731	739	739	744	745	751	765	672	619	687	712	752	711	693	741	754	748	737	729	722	717	727	734	725
13	739	736	751	756	751	751	757	763	711	558	608	647	663	708	742	759	746	746	737	726	729	721	736	735	720
14 D	751	743	744	747	741	774	759	729	543	314	616	519	-002	239	314	340	515	665	702	700	726	715	719	735	598
15 Q	730	732	736	734	733	736	734	736	736	735	736	738	740	738	739	738	735	726	713	708	709	715	719	725	730
16 Q	728	738	739	739	743	743	744	744	728	733	748	747	747	749	748	747	746	738	719	716	713	723	716	721	736
17	727	738	743	747	747	747	742	727	729	735	743	748	757	757	756	755	754	743	730	726	721	725	727	731	740
18	735	741	743	737	755	753	750	748	756	751	749	733	750	755	733	759	756	748	736	726	722	715	713	720	741
19 Q	732	739	747	751	752	752	752	751	751	752	753	753	754	755	757	755	752	750	739	729	718	711	722	731	744
20 Q	740	748	749	752	756	750	742	733	754	755	753	754	746	724	748	757	757	751	735	721	718	719	727	737	743
21	743	750	755	756	758	756	753	755	755	727	765	759	758	761	761	762	757	749	738	724	714	713	718	730	746
22 Q	740	751	755	757	757	757	758	758	759	758	757	756	757	761	761	758	757	750	737	726	728	732	727	734	750
23	751	749	747	750	753	755	769	764	750	740	732	763	760	700	694	713	730	730	728	712	723	719	725	741	737
24	743	746	752	750	758	768	785	728	742	736	737	740	753	754	751	756	759	745	731	730	736	741	723	738	746
25	748	747	761	761	762	767	770	770	748	698	758	740	751	723	700	643	734	722	694	698	692	732	725	738	733
26	743	748	759	760	756	760	755	753	757	760	762	760	752	745	742	739	738	747	728	717	723	732	746	743	747
27	741	752	757	755	754	758	758	757	756	756	755	748	728	696	716	734	757	740	728	729	725	727	702	718	740
28	750	749	763	780	762	804	804	753	684	624	597	690	732	730	749	751	748	741	737	720	703	688	726	725	730
29																									
30																									
31																									
Mean	742	748	756	768	774	765	751	730	715	680	694	698	670	682	711	724	729	717	716	717	719	723	726	733	725

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 120. Meanook. (D.) East. 25° + . . . ' February, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to' 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	55.1	57.2	58.2	56.4	55.6	55.3	55.7	54.9	55.2	55.3	56.6	58.7	68.3	71.4	64.8	64.9	63.4	59.9	59.7	57.9	58.2	53.3	50.5	50.3	58.2
2	51.6	51.6	53.5	51.5	54.5	56.1	56.1	58.1	46.7	53.6	67.1	68.7	60.7	59.7	57.6	60.2	60.8	62.6	59.3	56.9	54.9	51.7	50.8	52.1	56.5
3	50.7	50.2	52.4	55.0	54.0	54.3	58.7	56.2	58.7	57.3	57.8	58.0	60.4	51.5	57.8	55.2	62.0	57.1	55.3	56.6	52.9	51.4	51.9	52.4	55.3
4	53.2	54.8	54.2	56.7	57.0	56.7	63.4	55.1	56.1	57.9	57.2	58.8	57.6	58.7	59.0	58.6	60.1	60.7	59.6	55.2	53.1	52.2	53.1	55.0	56.8
5	53.1	53.7	51.3	56.0	55.0	56.9	57.7	55.1	56.6	55.0	53.4	61.5	59.8	60.8	57.4	62.8	64.8	62.6	60.6	53.9	51.2	51.3	52.1	53.9	56.5
6 D	53.9	54.0	54.4	56.1	53.9	43.5	50.8	53.1	52.8	56.0	62.3	64.4	64.8	59.6	58.5	66.3	55.6	42.0	65.5	56.0	50.2	53.1	53.9	51.9	55.5
7	50.7	51.8	50.6	51.1	57.8	56.4	58.0	53.9	53.8	54.9	56.4	62.5	67.3	63.1	64.5	65.6	59.4	56.8	56.4	53.8	53.0	52.0	51.5	53.1	56.4
8 D	54.7	54.7	55.1	55.2	55.4	55.4	55.5	59.0	57.4	58.4	59.1	61.5	62.2	61.3	61.5	67.5	66.3	50.1	47.6	49.1	58.5	62.5	53.1	50.1	57.1
9 D	51.9	53.8	52.9	55.9	52.7	58.2	56.4	60.4	57.3	57.0	61.8	66.4	87.8	86.4	53.9	58.3	65.2	56.0	57.0	52.8	55.7	56.4	53.0	52.5	59.2
10 D	51.9	53.3	48.7	43.3	31.6	39.2	36.2	52.0	47.2	56.0	57.2	61.5	58.4	55.0	55.3	58.3	59.0	58.1	57.9	57.8	57.5	57.8	57.7	58.1	52.9
11	56.5	51.5	54.4	61.5	43.6	43.3	74.9	58.6	61.1	60.5	67.2	56.9	55.8	55.9	54.9	56.1	55.9	58.7	54.8	53.7	55.9	57.0	57.0	56.9	56.8
12	55.8	55.3	55.7	55.6	54.3	53.9	56.1	55.8	59.2	67.0	58.4	56.0	58.4	59.3	53.5	59.5	61.3	60.5	58.1	55.9	54.9	52.7	52.8	52.1	56.8
13	50.7	53.5	55.0	54.4	53.7	53.6	56.4	56.6	55.2	54.9	68.1	69.5	63.7	58.0	55.8	54.7	58.5	56.2	57.5	55.8	54.7	51.9	50.1	51.7	56.3
14 D	51.0	54.3	54.8	55.8	55.5	60.2	57.5	55.1	53.9	51.6	69.2	77.6	54.7	70.6	62.6	40.9	61.2	58.0	55.3	46.3	52.5	54.6	56.2	57.1	56.9
15 Q	57.3	57.7	57.4	57.6	57.2	56.6	56.5	56.4	56.5	56.6	57.2	57.8	58.2	58.4	59.4	61.4	63.1	62.1	60.6	58.4	55.8	54.7	53.5	55.3	57.7
16 Q	55.6	55.9	55.7	56.1	56.0	56.0	56.1	57.0	56.5	58.1	56.5	57.8	57.7	58.2	58.4	60.0	60.8	62.5	62.5	59.5	56.6	54.6	55.1	53.6	57.4
17	54.4	55.2	55.5	55.6	55.9	56.0	56.0	61.4	59.7	62.1	60.6	59.4	59.5	60.1	60.3	61.2	62.7	63.0	62.0	57.9	56.7	56.0	55.6	55.9	58.4
18	56.3	56.6	56.3	57.0	61.3	57.1	57.6	59.0	64.9	59.1	59.4	58.0	58.2	61.2	54.0	58.6	62.5	64.0	64.9	63.7	61.1	58.3	57.5	56.2	59.4
19 Q	55.3	55.6	56.0	55.3	55.6	55.6	55.5	55.5	55.7	55.7	55.9	56.0	56.5	56.7	57.6	59.3	61.2	62.5	61.7	61.4	60.2	58.8	57.4	55.9	57.4
20 Q	54.5	54.3	54.6	55.0	54.9	54.9	54.1	60.5	58.2	56.6	56.5	56.6	55.0	51.3	53.5	56.7	60.0	61.8	61.4	59.4	57.6	56.2	54.7	53.4	56.3
21	53.5	54.0	54.7	55.5	55.6	55.4	55.7	56.0	57.0	57.8	59.1	58.0	56.9	57.0	58.0	59.3	60.8	62.2	62.0	60.2	58.4	56.8	54.6	53.4	57.2
22 Q	53.3	53.9	54.7	55.0	55.4	55.5	55.6	55.6	55.5	56.3	57.3	56.6	56.4	57.7	58.5	59.2	60.1	62.0	61.9	58.2	56.5	54.1	52.1	51.8	56.4
23	49.0	47.2	48.6	55.3	56.3	55.3	56.5	55.3	57.0	59.8	64.0	58.2	58.4	58.2	56.1	62.0	62.0	63.2	61.4	56.7	55.2	53.7	51.5	48.4	56.2
24	49.1	53.3	54.4	55.4	55.5	57.2	62.5	62.0	61.9	58.1	58.4	57.7	57.5	57.4	59.1	59.0	61.8	63.0	60.5	57.3	56.2	53.5	51.5	51.4	57.2
25	53.3	54.4	54.8	55.6	56.0	56.2	56.0	56.9	53.8	59.8	64.6	70.1	65.5	65.3	62.6	63.9	65.8	57.7	56.0	55.2	52.2	51.5	53.1	53.3	58.1
26	54.3	54.4	53.2	53.3	56.0	56.0	56.2	56.3	56.6	56.3	56.2	56.2	55.6	56.6	60.3	59.6	58.8	55.4	56.7	56.0	54.9	51.9	53.1	54.2	55.8
27	54.1	53.8	53.8	56.2	57.1	56.2	56.4	56.6	56.9	56.8	57.9	59.1	57.4	61.4	55.0	57.7	62.8	61.8	62.1	60.0	57.4	54.2	53.0	52.1	57.1
28	49.5	50.4	51.9	52.5	54.8	57.7	61.4	64.0	50.4	54.4	52.3	61.5	62.5	58.9	62.2	65.1	67.0	66.2	66.2	60.6	60.1	56.9	52.3	52.4	58.0
29																									
30																									
31																									
Mean	53.2	53.8	54.0	55.0	54.4	54.6	56.8	57.0	56.1	57.2	59.6	60.9	60.5	60.4	58.3	59.8	61.5	59.5	59.4	56.6	55.8	54.6	53.5	53.4	56.9

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 121. Meanook. (Z.) 59,000 γ + February, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	351	358	355	351	355	348	351	346	345	333	320	308	203	173	289	339	340	340	332	332	339	351	358	367	328
2	381	370	369	414	388	371	361	326	283	229	264	312	326	333	351	351	355	349	344	344	344	345	342	346	342
3	351	371	385	362	370	381	380	336	350	274	352	350	319	290	292	287	314	354	339	342	350	354	359	354	342
4	347	375	365	363	345	344	340	349	328	306	322	312	317	316	287	307	313	318	323	334	336	335	339	340	332
5	349	347	371	372	367	380	363	359	346	310	236	330	334	318	300	314	318	315	316	320	327	330	336	336	333
6 D	334	337	345	348	353	095	285	357	347	341	332	299	295	308	363	315	254	244	319	391	374	361	378	397	324
7	419	430	421	418	365	364	381	401	400	393	375	316	288	209	297	287	321	330	339	349	347	346	344	341	353
8 D	340	341	340	339	337	334	332	311	308	322	327	330	326	311	300	287	287	138	222	336	333	402	360	373	318
9 D	370	370	405	440	460	187	218	307	305	316	329	-007	-027	128	206	224	307	314	350	376	352	345	339	337	290
10 D	347	375	389	374	437	193	097	169	370	348	341	303	285	296	328	346	351	349	351	353	354	353	354	351	326
11	351	356	389	339	403	345	058	227	378	453	236	322	326	336	334	331	344	350	345	348	350	348	352	351	332
12	351	346	347	344	342	350	361	347	298	227	283	301	333	301	258	304	331	332	332	340	346	344	351	352	326
13	356	353	358	349	346	354	362	344	308	220	224	236	285	313	328	337	332	336	345	350	358	353	349	339	326
14 D	347	348	359	351	348	372	346	321	250	136	249	244	392	052	154	027	270	338	410	380	364	359	357	356	297
15 Q	356	358	357	353	351	349	348	348	346	345	345	343	342	340	341	344	345	343	344	346	352	349	351	351	348
16 Q	350	350	350	351	351	352	352	351	311	301	336	342	344	343	344	344	344	341	339	341	349	359	362	363	345
17	361	355	355	350	350	349	355	331	327	330	348	346	348	348	349	347	348	348	346	343	344	344	344	344	346
18	346	346	341	343	348	342	335	330	311	321	320	300	308	306	289	323	331	332	332	338	339	339	341	340	329
19 Q	341	338	340	338	336	335	334	333	330	329	329	329	328	328	328	327	331	331	330	329	329	329	329	328	332
20 Q	330	329	333	333	335	338	340	324	347	338	333	331	322	289	294	313	326	329	328	328	327	329	329	332	327
21	332	331	331	329	329	329	329	328	319	232	310	320	322	323	324	327	330	331	331	331	329	327	328	328	323
22 Q	329	329	332	332	332	331	331	330	326	318	310	310	319	323	324	328	326	326	328	329	333	344	348	350	329
23	358	363	387	386	365	376	386	355	339	320	254	317	323	278	237	249	286	326	338	350	353	357	360	372	335
24	374	362	356	355	359	373	342	318	329	327	328	315	336	337	327	341	350	346	347	352	356	357	348	347	345
25	350	345	352	340	349	348	351	360	265	220	241	289	308	296	295	264	296	295	318	351	356	363	359	363	320
26	368	371	370	375	368	367	361	358	355	351	352	340	331	321	309	309	316	327	340	357	367	381	394	378	353
27	362	373	374	388	376	373	367	365	364	362	359	355	340	301	326	326	368	373	382	386	387	390	394	391	366
28	400	398	421	427	430	409	387	374	344	273	241	293	327	352	354	371	376	371	363	359	367	418	411	407	370
29																									
30																									
31																									
Mean	356	358	364	363	364	335	327	332	330	306	307	304	307	292	304	306	325	326	337	348	349	354	354	355	333

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 122. Meanook. February, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	15	12	782	13	06	232	550	13	10	87.6	23	53	47.5	40.1	24	00	397	13	00	075	322
2	03	30	826	09	17	483	343	11	43	74.2	08	16	37.9	36.3	03	31	448	09	09	115	333
3	09	11	830	09	26	642	188	09	33	72.0	09	55	41.9	30.1	06	30	421	09	23	221	200
4	03	08	774	09	05	655	119	06	26	70.3	21	48	49.9	20.4	01	24	386	14	43	268	118
5	06	18	780	09	54	590	190	16	17	66.3	09	52	44.8	21.5	05	53	387	10	08	158	229
6 D	06	40	1201	16	55	419	782	05	32	96.1	05	20	-28.2	124.3	19	50	459	05	20	-032	491
7	01	00	892	13	05	288	604	15	34	76.4	02	51	41.5	34.9	01	03	464	13	39	176	288
8 D	21	24	845	17	30	296	549	16	10	74.0	18	33	23.7	50.3	21	23	438	17	45	76	362
9 D	04	45	972	12	35	036	936	12	32	137.7	05	59	01.8	135.9	04	48	489	12	19	-136	625
10 D	04	49	1099	07	14	148	951	07	06	114.3	07	15	-39.8	154.1	07	36	538	07	15	-535	1073
11	04	16	990	09	20	-006	996	06	07	136.0	09	31	-04.6	140.6	09	48	625	06	20	-233	858
12	06	58	789	09	01	485	304	09	09	77.6	08	59	47.0	30.6	06	24	370	09	16	135	235
13	07	30	769	09	11	489	280	10	48	77.0	08	53	37.0	40.0	07	02	369	10	13	176	193
14 D	05	45	827	12	32	-423	1250	11	46	139.3	15	33	02.0	137.3	12	45	640	13	26	-149	789
15 Q	08	09	748	20	00	701	47	16	42	65.4	22	10	52.8	12.6	01	33	361	12	57	337	24
16 Q	10	24	758	08	45	704	54	18	04	65.3	08	37	52.1	13.2	21	47	364	08	56	238	126
17	12	36	766	08	34	705	61	07	27	67.7	00	26	54.0	13.7	00	31	363	07	52	295	68
18	08	18	774	22	40	711	63	04	23	68.7	14	24	50.8	17.9	04	17	363	14	34	270	93
19 Q	02	58	757	21	20	663	94	17	20	63.9	07	07	50.5	13.4	02	30	342	14	00	327	15
20 Q	08	20	764	20	50	717	47	07	28	66.0	13	28	49.7	16.3	08	15	352	13	58	273	79
21	04	08	762	09	28	689	73	17	40	62.8	09	19	49.9	12.9	19	46	333	09	30	134	199
22 Q	13	17	767	22	03	726	41	18	27	62.9	22	10	51.8	11.1	23	42	354	11	32	298	56
23	06	07	776	13	53	636	140	16	12	69.8	02	33	45.7	24.1	05	59	406	10	08	195	211
24	06	29	844	07	00	666	178	06	24	74.4	08	58	40.6	33.8	06	03	403	06	50	269	134
25	11	48	790	15	14	576	214	11	13	79.3	08	49	45.9	33.4	19	56	387	11	04	160	227
26	03	04	770	19	28	702	68	16	42	64.1	03	07	49.9	14.2	22	36	400	13	58	300	100
27	16	09	767	13	23	674	93	16	26	65.7	22	45	50.1	15.6	03	15	396	13	14	275	121
28	06	15	879	10	25	472	407	10	03	75.3	03	51	48.7	26.6	03	59	461	10	22	148	313
29																					
30																					
31																					
Mean			832			488	344			80.4			35.5	44.9			418			137	281
No. days			28			28	28			28			28	28			28			28	28

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 123. Meanook. (H.) 12,000 γ + March, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	792	772	785	784	822	760	785	730	652	570	624	710	693	692	454	647	713	687	693	677	716	709	717	739	705
2	750	752	756	746	752	751	761	750	707	721	749	752	745	749	746	749	743	738	721	714	714	714	721	738	739
3	745	755	749	738	755	758	761	755	749	753	752	752	751	748	738	748	743	734	718	712	711	716	725	735	742
4	740	748	753	755	749	752	753	748	749	749	748	753	757	755	751	753	752	745	720	707	715	722	723	733	743
5 D	749	743	752	755	754	764	827	877	775	746	748	775	740	522	185	346	605	663	670	720	718	732	741	745	694
6	741	776	835	804	876	868	872	779	643	698	713	724	744	759	756	752	746	732	692	697	716	730	707	715	753
7	728	748	756	746	745	746	745	734	746	733	643	659	682	702	650	701	727	731	728	710	698	704	714	735	717
8	735	741	743	748	750	756	752	743	751	747	740	739	743	745	749	751	743	732	724	716	714	719	728	727	739
9	738	743	752	757	762	752	755	755	755	756	749	748	749	752	755	758	749	736	723	716	716	716	718	723	743
10 Q	735	739	747	751	756	756	755	754	753	745	748	760	760	759	760	757	751	743	736	731	728	726	735	737	747
11	745	750	757	759	760	760	757	761	762	749	758	764	758	758	762	762	755	741	733	725	725	726	729	753	750
12	729	740	765	770	785	903	854	783	761	765	760	758	753	743	728	737	767	747	729	724	724	728	734	735	759
13	735	742	754	747	743	747	748	749	751	756	756	756	754	763	764	763	747	727	718	721	721	724	735	737	744
14	745	748	755	766	750	752	749	752	670	651	766	760	755	760	753	754	748	735	707	706	708	725	736	764	738
15	730	739	752	757	753	748	746	745	753	748	709	681	662	701	761	759	740	714	717	709	706	714	729	740	730
16 Q	743	743	745	748	752	754	754	755	754	753	751	752	752	757	757	752	747	725	711	704	711	712	726	726	741
17	736	748	736	740	747	751	749	746	757	755	744	752	759	755	743	742	746	736	718	708	707	712	721	734	739
18 Q	740	746	751	751	750	751	753	754	755	757	759	762	763	765	764	762	751	730	713	709	712	720	729	736	745
19 Q	742	748	753	756	757	760	756	755	755	762	763	763	764	764	764	759	746	736	721	713	711	721	728	740	747
20 Q	749	749	752	756	761	761	761	761	762	763	765	766	767	768	773	769	758	739	728	726	727	737	738	745	753
21	750	749	747	753	753	755	756	760	762	765	768	772	764	753	759	766	759	748	745	737	738	729	768	776	756
22 D	772	762	816	793	791	885	421	560	691	164	332	345	384	481	659	700	673	698	691	761	760	783	835	953	655
23 D	983	869	891	865	970	765	534	811	645	173	682	773	766	758	749	739	710	654	611	682	763	821	863	918	750
24 D	960	1067	935	616	638	590	226	221	291	281	424	710	735	747	763	758	754	743	733	730	734	726	725	750	661
25	744	742	740	745	745	742	648	730	551	601	600	478	642	754	744	738	740	733	718	712	732	755	780	784	704
26	951	1152	811	747	739	731	722	724	727	734	701	352	601	658	716	696	662	612	654	668	702	715	755	712	718
27	770	756	759	747	748	748	738	737	736	727	733	723	729	738	736	734	726	716	709	710	715	727	738	739	735
28	738	739	740	742	741	745	744	745	746	741	742	740	737	748	740	740	732	719	710	710	715	729	741	745	736
29	738	746	748	748	750	752	753	754	754	758	756	750	751	766	755	766	729	678	640	683	727	725	723	731	737
30	734	741	746	752	756	752	751	753	750	754	750	752	753	756	754	750	739	725	717	719	724	730	735	732	743
31	737	742	749	753	755	757	755	756	757	760	761	766	767	767	767	760	749	731	715	706	714	719	731	733	746
Mean	765	775	769	755	763	760	724	734	715	682	710	711	725	730	718	731	734	720	708	712	720	728	740	752	732

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 124. Meanook. (D.) East. 25° + . . . ′ March, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	47.4	54.8	53.0	51.6	58.4	62.9	60.9	57.1	57.8	60.9	60.7	65.6	70.0	70.7	64.3	61.9	68.6	58.1	56.2	56.0	55.8	54.3	54.0	54.0	59.0
2	53.9	60.7	59.0	60.5	60.3	63.8	65.2	66.5	66.7	66.5	62.8	61.3	61.8	61.6	62.1	62.6	65.1	67.5	66.2	63.4	59.0	56.1	55.1	58.1	61.9
3	58.1	57.1	56.2	57.2	58.3	58.3	59.8	59.6	59.8	60.8	60.9	61.4	61.8	62.5	65.3	66.4	67.6	66.8	64.8	61.8	58.2	57.1	57.4	57.1	60.6
4	58.1	57.8	57.7	58.0	59.9	59.7	58.8	59.0	58.4	60.0	60.7	60.9	59.9	61.0	63.3	65.7	66.6	64.7	65.2	61.0	56.1	53.8	51.6	52.3	59.6
5 D	53.4	57.0	56.9	57.9	58.1	58.9	57.4	51.8	66.6	63.1	60.8	64.4	63.8	73.8	93.4	82.1	71.4	67.1	55.9	57.8	60.4	55.2	53.2	55.2	62.3
6	55.2	50.8	57.1	48.5	54.7	59.6	59.5	62.5	74.3	73.1	66.6	63.8	63.1	62.2	63.4	65.6	66.8	68.9	67.4	59.5	58.0	57.1	55.3	53.9	61.1
7	56.7	56.1	54.5	56.5	57.9	57.7	60.2	58.6	60.7	58.4	60.2	65.7	66.0	61.6	63.0	60.2	60.7	64.3	63.1	59.3	56.8	54.0	52.4	51.0	59.0
8	52.4	50.1	52.4	54.0	56.1	53.5	54.7	61.1	58.5	59.5	57.9	59.3	58.4	60.7	63.9	64.8	65.0	64.3	63.6	60.4	57.0	55.6	54.0	53.3	58.0
9	52.6	54.2	56.1	56.5	56.5	60.2	57.2	57.9	58.4	58.6	57.9	58.8	60.9	61.4	63.4	63.6	65.5	65.7	63.6	59.1	55.6	52.6	49.9	49.6	58.2
10 Q	49.2	53.6	55.6	56.1	57.0	56.5	57.0	57.7	57.9	56.8	55.6	57.7	58.1	57.9	60.2	62.0	64.3	65.0	64.3	61.1	57.9	55.8	55.1	54.9	57.8
11	53.5	53.3	55.0	55.7	56.5	56.9	56.7	56.5	58.5	57.4	59.7	59.7	58.6	58.7	61.1	62.1	62.1	61.8	59.2	55.3	51.9	51.6	52.0	47.6	56.7
12	46.9	50.8	53.2	52.2	50.1	49.6	52.2	55.7	56.0	57.6	59.4	59.4	58.0	57.9	61.6	61.8	60.3	60.8	62.2	58.8	56.7	56.5	57.7	57.0	56.4
13	45.8	55.1	56.1	56.4	56.5	58.0	57.3	57.9	58.0	58.2	58.6	58.6	58.3	60.2	62.2	65.7	66.1	64.6	61.2	58.4	55.8	55.6	55.4	55.4	58.6
14	53.8	53.5	54.8	60.5	56.9	57.1	57.7	67.6	59.1	64.9	62.4	62.1	60.0	60.5	62.2	62.6	65.4	65.2	62.4	55.8	53.6	52.9	53.8	54.0	59.1
15	56.4	56.6	56.0	60.9	59.7	58.1	57.9	58.7	57.7	59.0	64.4	66.2	58.2	54.7	62.0	67.0	68.4	66.0	60.2	59.8	57.0	56.7	56.6	56.5	59.8
16 Q	56.6	56.9	57.3	57.3	57.4	57.4	58.2	58.1	57.2	58.2	58.1	60.1	60.8	62.3	63.6	65.2	66.2	66.8	62.9	58.1	55.4	55.2	55.3	56.6	59.2
17	56.3	55.3	56.5	56.8	57.3	57.4	57.7	59.5	59.6	58.5	56.3	57.8	59.1	60.4	62.3	67.2	66.2	68.6	65.8	61.4	58.5	56.9	54.9	54.6	59.4
18 Q	55.5	55.5	55.9	56.7	57.0	57.2	57.4	58.3	59.5	60.2	58.1	57.8	57.7	59.4	61.5	64.4	67.0	67.0	63.3	58.3	55.0	54.1	54.0	54.0	58.5
19 Q	54.5	54.8	55.4	56.1	56.9	56.2	58.9	57.4	57.5	57.5	57.7	57.9	57.8	59.9	62.5	65.4	66.7	66.4	63.5	58.7	54.0	51.7	51.9	52.9	58.0
20 Q	53.9	55.1	55.6	55.7	56.1	56.2	56.3	56.5	57.0	57.1	57.2	57.2	57.4	59.2	62.5	65.7	67.7	66.1	62.4	58.0	54.6	52.9	51.6	51.6	57.6
21	52.2	53.5	54.7	55.6	55.8	56.1	56.0	56.2	56.0	56.4	56.9	56.3	54.9	58.3	61.8	64.3	66.0	64.0	58.7	57.5	55.3	51.7	48.3	44.8	56.3
22 D	42.9	49.2	49.6	51.6	49.7	41.2	73.0	64.4	55.3	108.1	93.1	106.2	89.2	85.1	67.8	71.6	67.4	67.4	58.7	57.9	52.9	52.3	49.8	51.0	64.8
23 D	55.6	52.3	31.1	47.8	45.6	56.9	65.7	61.9	64.8	49.5	58.8	62.8	61.5	61.7	62.5	63.3	68.4	68.6	57.3	46.6	56.9	57.8	57.6	53.8	57.0
24 D	49.5	56.1	64.7	56.5	51.2	74.6	70.0	63.2	80.4	76.5	73.5	60.4	58.6	58.4	63.2	66.6	68.9	67.5	64.3	61,5	59.5	56.5	55.3	54.6	63.0
25	54.6	53.9	54.6	56.0	56.2	57.1	44.0	55.4	56.3	57.0	57.7	56.4	60.1	63.5	63.6	64.4	63.4	64.4	63.9	63.6	61.1	58.7	55.3	55.0	58.2
26	55.2	55.4	54.2	51.5	55.3	56.8	58.5	58.2	58.8	59.0	58.7	56.8	55.9	63.2	61.3	61.6	60.5	56.1	51.0	44.3	50.9	53.5	54.4	56.4	56.2
27	53.8	57.6	55.3	53.5	54.1	54.9	54.9	55.6	55.3	55.4	55.7	54.1	55.0	57.7	59.5	60.8	61.2	60.3	59.9	59.5	56.8	53.1	52.6	52.1	56.2
28	51.6	50.7	50.1	49.9	50.6	51.7	53.0	53.5	53.2	54.5	56.3	55.9	56.5	57.3	56.9	58.6	59.5	60.2	57.3	52.5	48.5	47.5	45.8	44.7	53.2
29	45.4	47.3	48.8	50.0	50.4	51.5	51.4	51.7	52.3	52.6	53.8	53.1	52.8	55.5	58.5	60.0	64.7	64.6	49.5	35.3	46.3	49.0	50.4	49.9	51.9
30	49.3	49.1	50.8	51.2	51.1	54.1	53.9	52.3	52.7	53.6	53.3	53.2	54.3	55.9	58.2	59.9	61.3	61.0	58.0	53.7	51.5	50.6	49.5	49.8	53.7
31	49.4	49.2	49.7	50.4	50.8	51.5	52.0	53.1	52.9	53.7	53.1	53.9	54.5	56.2	59.1	61.7	62.5	62.3	58.9	54.4	50.3	46.5	44.9	45.2	53.2
Mean	52.9	54.0	54.1	54.8	55.2	56.8	57.8	58.2	59.3	60.7	60.2	60.8	60.1	61.3	63.1	64.4	65.2	64.6	61.0	57.0	55.4	54.0	53.1	52.8	58.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 125. Meanook. (Z.) 59,000 γ + March, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	452	456	462	443	398	384	396	333	268	265	245	298	284	264	156	272	337	354	358	368	395	382	380	380	347
2	397	399	382	364	365	373	332	336	278	298	349	353	353	351	360	367	369	366	360	367	369	369	369	370	358
3	370	370	373	388	386	376	374	370	356	353	352	351	351	349	345	348	350	353	359	362	369	370	367	365	363
4	358	358	359	359	360	355	361	362	344	344	343	349	358	351	352	351	350	349	351	352	355	359	363	385	355
5 D	419	379	365	362	362	363	398	420	375	350	359	355	358	268	332	090	173	269	351	397	428	431	407	395	350
6	395	413	454	453	510	462	411	346	159	294	341	343	355	373	372	370	369	367	369	363	371	378	377	385	376
7	382	395	396	378	377	379	388	332	365	361	246	277	280	278	308	323	332	346	350	357	370	381	391	394	349
8	387	388	392	400	394	403	372	367	366	365	345	338	346	355	365	362	361	356	353	354	358	371	381	378	369
9	368	367	370	371	370	372	381	379	369	368	360	337	342	349	359	360	361	362	363	363	365	369	370	368	364
10 Q	380	375	376	378	375	369	367	364	360	341	336	350	354	356	359	359	356	355	355	356	359	359	364	364	361
11	360	361	361	361	362	362	366	343	363	338	327	346	354	353	354	356	353	353	353	355	362	367	371	381	357
12	378	374	370	381	404	424	426	404	373	368	363	349	335	322	315	299	342	359	362	360	363	365	367	367	365
13	365	362	360	364	368	366	359	355	354	353	353	350	347	348	351	354	350	348	348	353	354	360	367	371	357
14	371	373	375	398	367	359	354	311	202	193	297	330	339	354	352	364	362	363	360	367	373	377	376	388	346
15	378	376	375	384	380	366	356	335	344	338	251	189	246	309	354	363	357	354	360	368	380	373	372	370	345
16 Q	363	362	364	362	361	360	359	357	354	352	349	348	350	354	356	353	354	354	352	356	361	370	372	371	358
17	365	372	375	375	365	360	359	351	341	357	342	341	351	351	349	348	350	351	351	354	357	361	361	365	356
18 Q	364	361	360	358	356	355	354	352	348	336	346	346	348	349	351	351	352	348	344	346	347	347	351	350	351
19 Q	348	350	352	352	351	352	356	354	353	350	346	344	342	346	350	350	350	348	346	344	345	348	350	353	349
20 Q	354	354	355	355	353	352	352	350	349	348	348	348	348	350	352	352	350	345	343	341	347	352	354	356	350
21	356	359	358	354	352	350	349	348	348	349	348	343	329	307	325	329	335	337	348	343	351	357	363	362	346
22 D	368	392	445	416	411	332	283	435	513	255	339	429	413	369	338	365	348	362	389	401	410	426	433	357	384
23 D	303	371	405	424	439	268	252	378	336	252	317	366	365	366	367	367	362	351	361	363	364	432	470	438	363
24 D	379	269	178	236	265	204	209	363	493	213	175	325	381	383	382	382	377	379	378	378	379	383	390	401	329
25	389	398	399	400	395	376	294	366	254	275	253	212	321	345	348	358	373	376	380	387	407	433	458	414	359
26	366	311	436	396	386	383	374	371	369	363	345	234	222	283	346	328	317	312	348	358	379	392	402	384	350
27	403	428	406	397	394	394	382	373	371	367	365	361	362	371	374	375	375	375	374	375	377	378	381	382	381
28	380	380	378	379	384	386	384	379	376	364	364	359	355	365	368	370	369	369	369	367	366	365	370	372	372
29	369	366	366	364	363	364	362	360	359	356	353	348	343	348	350	354	352	349	343	328	353	353	358	362	355
30	359	359	362	370	376	371	370	363	357	352	354	352	355	358	360	360	361	358	357	359	360	360	360	360	360
31	357	357	360	360	360	361	362	360	351	350	351	351	353	352	352	351	350	351	347	345	347	353	361	361	354
Mean	374	372	376	377	377	364	356	362	347	328	328	333	340	341	345	343	348	352	358	361	368	375	379	376	357

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 126. Meanook. March, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	04	13	933	14	26	306	627	14	14	86.8	04	36	42.1	44.7	02	09	517	14	09	099	418
2	07	48	786	08	56	649	137	06	26	77.2	22	28	54.1	23.1	01	42	420	08	58	236	184
3	06	15	775	20	45	707	68	16	06	69.0	06	20	54.9	14.1	03	23	397	14	50	340	57
4	22	47	772	21	58	696	76	16	51	69.5	22	50	45.8	23.7	24	00	426	08	43	324	102
5 D	07	12	943	14	40	-011	954	15	07	156.9	14	41	-36.6	193.5	14	18	612	15	01	-056	668
6	04	23	918	08	22	387	531	08	34	105.8	08	22	43.7	62.1	04	25	551	08	21	-095	646
7	06	59	793	14	24	620	173	11	15	72.4	09	58	44.8	27.6	01	49	404	10	46	230	174
8	05	56	771	20	30	712	59	16	38	64.8	06	41	44.6	20.2	05	56	413	10	45	324	89
9	09	18	759	19	30	716	43	17	03	68.2	24	00	47.6	20.6	06	30	383	11	29	324	59
10 Q	12	10	765	21	05	724	41	17	02	67.1	00	03	46.4	20.7	03	44	382	10	00	320	62
11	07	15	775	20	10	725	50	17	02	64.2	23	42	44.8	19.4	23	50	382	09	49	305	77
12	05	20	969	14	45	703	66	15	57	67.7	05	27	44.2	23.5	05	11	447	15	39	289	158
13	14	48	767	21	04	719	48	17	06	68.3	23	13	53.9	14.4	23	17	373	12	37	341	32
14	10	33	792	08	57	598	194	07	23	76.5	08	59	48.0	28.5	03	40	431	08	43	099	332
15	14	38	771	12	46	628	143	16	59	72.0	13	26	49.2	22.8	03	36	397	11	32	154	243
16 Q	13	28	763	21	48	701	62	17	27	68.5	21	12	54.2	14.3	23	51	378	10	59	342	36
17	12	52	764	20	00	701	63	15	52	70.3	10	53	52.7	17.6	03	02	385	08	05	322	63
18 Q	15	00	766	19	15	705	61	17	31	67.8	21	38	53.6	14.2	00	16	364	09	31	326	38
19 Q	09	56	768	18	50	711	57	16	40	67.3	21	40	51.5	15.8	06	41	366	12	15	341	25
20 Q	14	45	772	19	20	726	46	16	39	67.9	23	08	50.7	17.2	02	00	356	19	20	341	15
21	22	46	827	21	25	726	101	16	53	68.0	23	31	42.1	25.9	22	41	380	13	33	292	88
22 D	23	50	1043	09	05	049	994	11	31	149.8	05	53	17.2	132.6	08	55	680	06	43	-052	732
23 D	22	54	1078	20	25	127	951	09	18	105.9	09	32	-06.6	112.5	22	44	513	05	28	-059	572
24 D	01	31	1198	08	18	-223	1421	08	06	159.9	03	54	-25.3	185.2	04	01	654	04	43	-421	1075
25	21	38	784	11	45	277	507	11	45	70.9	06	28	42.9	28.0	21	40	463	11	44	109	354
26	01	26	1440	11	18	197	1243	02	00	73.3	19	27	41.0	32.3	01	45	480	11	13	121	359
27	01	56	788	18	15	700	88	01	42	69.8	03	02	51.1	18.7	01	32	449	11	34	174	275
28	23	14	756	19	50	706	50	17	28	61.9	23	10	44.7	17.2	05	06	390	12	15	348	42
29	15	07	775	18	38	619	156	17	26	71.2	19	02	27.5	43.7	01	48	370	19	21	308	62
30	05	27	763	18	40	714	49	16	40	62.0	22	48	48.1	13.9	03	58	386	11	35	348	38
31	14	10	768	19	46	706	62	16	56	62.8	22	37	43.6	19.2	03	00	362	08	50	341	21
Mean			850			549	301			80.1			39.2	40.9			436			207	229
No. days			31			31	31			31			31	31			31			31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 127. Meanook. (H.) 12,000 γ + April, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	740	743	741	750	751	755	757	759	764	770	773	778	776	774	772	762	769	751	727	721	714	715	726	739	751
2Q	746	754	755	758	756	759	760	762	763	766	769	765	767	773	770	765	755	734	726	718	723	723	718	738	751
3	756	761	755	748	755	759	762	764	762	764	761	723	700	744	754	764	752	720	705	717	723	724	743	746	744
4	751	758	762	772	786	775	768	759	711	672	677	714	715	717	736	751	725	713	723	725	724	727	732	742	735
5Q	736	738	743	751	750	755	744	741	751	755	758	756	758	759	760	755	742	723	711	707	710	718	730	745	742
6	751	747	758	774	789	835	817	751	231	391	715	782	758	759	777	755	742	729	715	702	723	744	750	764	719
7	775	806	884	926	1004	976	849	751	749	745	745	650	515	548	671	767	761	746	738	735	734	719	733	746	761
8	739	745	742	741	744	746	751	755	754	737	738	655	742	762	763	752	723	711	723	725	724	733	734	750	737
9	757	757	753	753	752	754	754	760	761	698	722	700	591	372	734	780	755	737	721	707	718	730	749	741	719
10	731	757	750	750	748	751	750	750	751	739	681	679	705	685	694	680	720	713	718	717	719	724	731	738	724
11	743	750	750	751	759	753	754	754	747	737	761	752	752	769	767	736	673	678	694	719	731	740	720	755	739
12	753	750	750	748	755	756	759	665	702	647	617	594	676	738	753	745	730	722	713	713	739	727	736	754	718
13D	754	771	755	761	744	742	741	745	739	738	639	642	628	719	735	692	693	725	715	713	722	736	758	771	724
14D	757	942	1323	1089	1152	721	398	641	466	519	673	602	692	654	739	738	761	761	759	748	733	724	731	740	753
15	791	777	751	744	750	754	759	758	755	742	727	721	642	732	766	811	708	760	738	730	716	745	885	1025	762
16D	886	828	743	743	749	747	1149	009	740	859	351	-045	-040	426	554	622	677	728	709	730	708	813	802	744	635
17D	727	724	716	725	712	711	668	600	542	602	580	635	669	688	660	664	667	653	693	694	738	753	762	795	682
18	790	817	772	743	731	733	703	567	603	613	705	725	721	677	728	721	709	706	682	684	695	730	777	783	713
19	785	775	760	735	739	740	741	720	724	716	641	696	736	742	732	697	680	679	680	699	717	720	728	743	722
20	763	731	733	737	740	741	743	742	733	732	732	744	742	733	708	706	722	710	700	699	702	724	729	729	728
21	740	754	769	760	745	746	739	740	720	728	741	742	739	732	712	720	718	704	695	693	711	730	741	752	732
22	765	769	766	765	764	749	748	741	734	722	715	722	711	709	714	711	733	705	669	701	705	711	729	729	729
23D	795	736	719	745	752	794	746	514	294	234	345	184	050	201	432	407	591	677	717	692	693	815	830	765	572
24	815	799	824	774	754	751	742	623	704	657	581	557	682	703	729	710	717	708	723	728	728	735	729	729	717
25	740	741	760	827	863	991	888	778	702	664	558	672	705	528	693	696	664	651	685	716	740	770	800	776	734
26	761	760	746	732	731	736	744	738	732	720	713	745	699	663	662	695	736	728	734	736	727	725	727	729	726
27	745	743	753	754	750	758	748	754	758	757	758	757	756	756	757	752	737	727	726	711	714	716	721	727	743
28Q	743	750	749	750	747	748	748	748	749	737	744	743	739	732	741	747	730	726	723	716	717	719	721	727	737
29Q	734	739	749	749	760	757	753	755	756	760	758	759	759	760	761	755	738	729	725	730	732	735	738	734	747
30Q	737	747	749	749	750	754	755	757	761	766	765	763	753	755	763	746	741	738	728	726	733	731	736	742	748
31																									
Mean	760	766	776	770	776	768	758	697	689	690	681	664	661	677	718	720	719	716	714	715	720	735	748	757	725

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 128. Meanook. (D.) East. 25° + . . . ' April, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	44.6	45.4	47.9	49.4	49.9	50.5	50.9	51.2	51.8	52.0	53.6	52.7	54.3	55.6	57.7	62.0	61.3	61.5	61.9	56.3	52.5	47.3	55.0	55.0	53.4
2 Q	46.9	47.7	48.5	49.8	50.5	50.7	50.9	51.1	51.4	51.8	51.8	52.7	53.1	55.5	59.5	61.9	62.8	62.2	58.5	55.2	49.7	46.4	44.5	44.9	52.5
3	45.5	46.8	48.0	49.4	50.8	50.6	50.6	50.9	51.3	50.4	51.5	54.9	58.0	57.1	59.2	59.9	60.1	64.2	55.1	52.2	50.6	48.2	45.7	46.1	52.4
4	46.7	46.8	48.2	48.0	49.4	51.1	50.9	51.7	51.3	52.5	63.1	56.1	53.2	53.3	54.9	62.8	62.3	59.9	56.2	53.9	50.4	47.3	45.6	45.5	52.6
5 Q	48.0	49.5	50.4	50.4	51.3	50.5	47.4	52.5	53.8	52.9	52.1	51.4	53.0	55.0	57.9	60.9	62.3	60.7	57.2	51.9	46.4	44.2	43.4	43.6	52.0
6	45.5	49.2	51.2	53.6	41.7	35.6	43.1	49.9	66.3	57.9	56.2	54.6	57.9	64.5	66.8	66.8	66.0	61.7	60.2	51.4	46.5	47.0	42.6	42.0	53.3
7	46.3	45.6	47.2	39.2	42.3	47.2	48.0	49.5	49.9	52.1	53.5	54.3	67.9	65.8	68.1	61.4	60.3	59.7	57.4	54.3	51.4	48.8	48.1	47.1	52.7
8	50.6	51.6	52.4	52.5	52.2	52.0	52.0	52.6	53.6	55.9	55.9	51.8	55.4	61.8	65.6	64.8	64.8	60.0	55.1	54.3	53.8	52.2	51.4	51.4	55.2
9	52.1	52.1	52.3	52.3	52.9	53.5	53.8	54.6	56.4	53.6	58.6	58.5	64.9	48.0	62.3	68.3	67.9	64.5	60.4	56.7	52.9	52.3	51.7	50.9	56.3
10	50.7	50.1	56.5	53.2	52.8	52.6	53.6	54.0	54.8	54.6	57.4	60.7	64.7	60.3	63.3	63.0	62.1	58.3	53.0	50.8	52.2	52.1	51.4	51.6	55.6
11	52.3	51.7	52.5	52.6	53.1	52.8	54.0	55.4	56.4	63.0	57.4	60.5	61.9	64.0	61.6	55.6	56.3	46.9	50.9	52.3	51.5	52.3	49.0	50.6	54.8
12	53.2	53.2	52.7	53.5	52.5	58.0	55.3	54.4	68.0	70.4	64.9	62.4	57.3	61.2	64.5	65.5	63.7	59.4	54.1	49.2	50.4	48.4	48.9	50.4	57.2
13 D	51.2	51.2	53.0	54.4	54.7	52.6	55.4	56.8	51.9	52.5	54.4	52.2	55.4	60.4	69.0	66.2	71.3	61.4	54.9	49.6	54.2	51.4	63.0	50.7	56.2
14 D	42.6	36.1	26.1	33.4	15.1	24.6	49.5	49.9	63.1	70.7	58.4	66.5	64.5	64.3	62.1	68.3	64.3	57.9	56.4	55.2	51.1	49.9	51.4	51.0	51.4
15	46.3	46.1	51.0	50.4	57.1	56.8	55.0	55.2	52.1	56.1	53.9	57.1	50.3	62.6	65.7	68.3	66.5	62.9	57.9	54.7	54.5	52.1	50.3	48.9	55.5
16 D	51.5	50.9	52.5	51.6	50.3	48.5	54.5	21.4	17.5	28.8	48.9	17.7	25.5	95.5	107.9	98.0	85.6	72.3	60.7	54.6	55.4	58.3	51.8	50.3	52.8
17 D	50.0	52.4	53.7	55.0	53.0	52.8	43.7	43.2	44.2	44.1	47.5	53.4	53.2	57.4	60.4	70.0	64.8	58.7	58.5	63.5	56.3	51.8	53.0	51.8	53.8
18	45.6	47.2	55.0	57.5	58.7	58.0	55.0	31.1	58.3	58.0	55.4	53.6	55.2	57.8	63.5	66.5	67.8	66.1	65.8	63.3	58.1	53.2	48.5	43.6	56.0
19	42.5	47.8	57.4	57.0	54.5	56.8	52.7	51.7	54.5	54.6	54.9	54.4	58.5	61.8	65.0	66.4	65.7	63.5	61.4	59.3	54.0	50.4	48.6	49.7	56.0
20	52.4	53.0	55.6	57.6	59.7	59.9	56.2	56.3	52.2	54.9	57.3	60.4	61.1	63.1	64.9	64.1	63.6	63.4	60.7	56.2	53.6	52.3	51.6	51.1	57.6
21	51.5	51.9	63.3	57.7	56.6	56.8	55.2	55.9	55.3	61.4	59.2	60.4	61.4	63.7	64.5	66.7	65.9	67.5	61.7	57.8	53.7	52.1	52.0	50.1	58.4
22	52.0	55.6	56.2	58.7	57.7	58.9	56.1	55.4	57.2	58.1	61.7	61.2	65.2	69.2	68.2	69.1	70.9	75.7	68.5	53.9	51.2	51.4	49.6	46.0	59.5
23 D	45.9	54.8	54.7	55.3	56.3	59.8	61.1	70.7	84.4	77.7	73.9	53.0	84.9	64.3	68.9	73.2	59.7	64.1	59.1	58.9	53.3	58.2	53.1	49.4	62.3
24	54.1	47.1	47.3	67.3	59.9	55.2	56.9	55.0	55.5	56.1	56.9	62.0	61.7	67.4	69.8	67.9	65.7	64.0	56.5	58.9	56.9	53.8	51.2	49.8	58.2
25	49.1	49.8	50.0	49.4	56.3	45.6	58.2	52.3	57.0	59.1	59.1	60.0	58.4	55.3	59.1	58.2	55.4	50.5	46.1	50.5	51.6	54.1	51.1	47.1	53.5
26	45.7	50.7	55.7	57.9	57.7	58.0	60.3	57.0	60.4	60.8	61.9	59.2	59.3	59.5	65.8	63.3	63.9	64.5	61.0	56.5	53.7	52.6	52.1	52.0	57.9
27	52.0	54.1	54.0	55.0	55.4	55.3	56.5	56.9	57.5	58.2	59.2	60.2	62.0	64.6	66.7	68.8	67.8	63.6	58.5	56.3	54.3	52.6	52.0	52.0	58.1
28 Q	52.2	54.0	55.8	56.7	54.4	54.7	56.0	56.7	54.8	56.5	58.3	58.5	60.2	62.0	65.3	67.5	67.1	64.0	57.5	52.8	50.1	50.1	50.2	50.7	56.9
29 Q	52.4	52.6	52.3	53.0	53.5	54.5	56.4	53.6	54.4	55.1	56.4	58.0	59.3	61.2	62.1	62.7	64.0	62.6	58.4	53.7	50.6	48.8	48.3	48.9	55.5
30 Q	49.8	50.0	51.0	52.5	52.9	53.5	53.8	53.8	53.7	54.5	53.4	54.2	55.0	58.8	61.3	61.2	62.1	56.3	52.7	49.5	48.4	48.4	50.0	50.2	53.6
31																									
Mean	49.0	49.8	51.8	52.8	52.1	52.2	53.4	50.6	55.0	56.1	56.9	55.8	58.4	61.7	65.0	66.0	64.7	61.9	57.9	54.8	52.3	50.9	50.2	49.1	55.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 129. Meanook. (Z.) 59,000 γ + April, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	359	359	358	358	355	353	350	350	349	342	339	341	338	337	340	340	342	339	334	334	336	339	341	346	345
2 Q	345	346	351	351	351	350	350	349	348	348	347	348	348	350	351	351	347	345	344	340	342	347	349	351	348
3	351	356	361	360	347	346	346	346	345	341	320	239	209	277	303	343	355	347	342	343	344	342	346	349	332
4	349	357	366	397	434	406	382	364	277	188	166	269	296	299	316	345	338	334	340	348	351	352	356	356	333
5 Q	350	349	349	351	352	351	337	342	336	333	335	332	333	340	339	336	335	336	333	332	334	339	341	345	340
6	345	353	361	362	422	438	400	342	-006	334	327	360	347	338	353	349	348	345	348	362	372	374	387	373	347
7	375	409	479	532	479	415	393	361	356	348	337	310	211	130	206	340	349	347	350	355	363	362	360	361	355
8	360	350	347	345	343	341	343	341	335	307	297	241	314	332	339	338	338	339	343	352	366	373	376	362	338
9	350	347	352	348	345	344	343	345	332	235	280	251	198	167	270	334	342	342	341	348	349	350	367	371	319
10	360	370	369	353	343	344	345	344	333	325	191	180	229	227	277	284	334	333	341	331	335	345	346	343	316
11	336	337	339	339	342	342	338	333	323	261	301	273	313	333	330	316	286	298	298	321	345	368	369	358	325
12	344	343	338	341	349	358	339	225	277	318	239	269	273	322	339	338	334	330	327	332	338	339	341	344	316
13 D	343	344	345	345	340	333	325	323	324	302	292	287	205	242	294	339	290	313	327	325	337	365	462	519	330
14 D	443	465	409	457	283	362	417	274	459	402	303	346	333	314	316	341	335	327	331	335	341	345	339	340	359
15	350	365	357	362	372	350	334	328	311	316	242	208	199	273	314	312	326	346	347	351	354	357	369	377	326
16 D	374	360	353	343	339	336	156	202	701	549	706	673	153	330	290	338	361	373	369	377	378	400	388	368	384
17 D	368	370	360	363	348	337	273	270	265	262	228	335	298	318	327	339	373	374	374	375	395	393	405	397	340
18	392	407	254	230	208	228	153	018	101	105	194	215	215	198	224	223	233	233	236	254	264	280	289	267	226
19	280	287	268	250	254	244	229	221	220	209	168	187	218	229	229	214	208	215	223	250	253	246	249	254	234
20	251	231	229	230	228	208	208	213	194	196	193	205	211	212	201	194	202	208	214	222	233	238	235	230	216
21	238	244	250	237	244	240	229	215	168	167	207	214	215	213	202	201	211	213	215	224	234	246	250	263	222
22	282	283	270	244	246	254	247	234	223	188	173	196	173	167	168	192	203	199	200	220	256	264	242	237	223
23 D	287	262	226	236	238	269	226	143	131	200	269	291	-146	-139	-114	091	191	261	261	282	302	363	282	273	195
24	291	280	312	241	250	264	204	144	193	120	096	130	165	174	200	196	211	218	221	235	248	252	242	240	214
25	241	242	264	292	265	265	245	171	192	178	153	169	180	081	187	207	188	200	220	241	253	289	297	284	221
26	279	293	268	238	230	234	218	186	202	181	199	213	177	165	152	194	223	226	232	225	224	226	235	237	219
27	235	234	233	231	230	230	233	225	224	224	224	228	229	229	227	223	219	222	228	223	224	227	235	235	228
28 Q	235	236	230	231	220	218	217	217	214	188	197	215	217	208	204	205	206	211	212	212	208	209	215	219	214
29 Q	219	218	218	216	219	227	218	218	217	216	216	216	216	214	215	213	210	211	208	207	209	215	219	216	215
30 Q	213	217	221	220	220	220	219	220	217	212	213	209	210	211	212	213	221	219	223	227	236	246	248	247	221
31																									
Mean	318	320	314	313	306	307	287	262	272	260	258	265	229	236	254	275	282	287	289	296	304	313	316	315	286

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 130. Meanook. April, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	09	41	788	21	10	706	82	16	07	67.6	23	36	45.0	22.6	02	00	360	09	53	330	30
2 Q	13	20	771	19	30	701	70	17	00	63.5	23	00	43.9	19.6	13	10	354	19	50	335	19
3	15	34	774	12	23	683	91	17	06	67.2	00	32	44.7	22.5	15	37	364	12	18	194	170
4	04	43	797	09	01	644	153	15	56	66.2	08	58	43.7	22.5	04	38	456	10	00	135	321
5 Q	10	08	762	19	15	698	64	16	28	63.1	06	48	39.9	23.2	04	50	356	06	50	284	72
6	06	01	856	09	00	049	807	09	00	109.7	06	43	23.0	86.7	09	11	547	08	34	-140	307
7	04	31	1035	12	07	440	595	12	26	80.5	03	43	30.4	50.1	03	57	575	13	46	090	485
8	14	45	769	11	09	623	146	16	15	70.3	10	59	41.5	28.8	21	59	379	11	18	180	199
9	15	02	799	13	13	241	558	16	02	71.9	13	36	35.2	36.7	23	14	382	13	38	094	288
10	06	48	763	13	38	597	166	15	28	68.3	01	21	48.7	19.6	02	06	372	11	25	165	207
11	10	36	789	16	55	624	165	09	30	67.2	17	56	44.2	23.0	21	41	383	09	28	231	152
12	23	30	794	11	08	546	248	09	29	73.7	07	03	43.0	30.7	05	04	376	07	49	168	208
13 D	23	43	824	10	37	591	233	16	20	89.7	11	47	43.8	45.9	23	14	556	13	08	126	430
14 D	04	30	1379	07	20	197	1182	09	18	139.7	05	13	-37.6	177.3	08	08	724	05	13	053	671
15	23	30	1105	12	27	541	564	15	10	70.6	12	08	44.3	26.3	04	07	400	12	33	171	229
16 D	06	12	1527	12	00	-059	1586	13	12	141.4	07	30	-97.0	238.4	10	44	1224	07	00	-333	1557
17 D	23	24	825	08	04	462	363	15	24	72.9	04	11	27.5	45.4	22	43	419	08	02	165	254
18	01	20	885	07	59	425	460	16	25	71.4	07	46	14.8	56.6	01	30	409	06	08	-142	551
19	02	00	831	10	42	602	229	16	23	69.2	00	51	39.7	29.5	02	01	322	10	42	146	176
20	00	31	789	15	10	689	100	15	10	66.5	08	31	44.7	21.8	21	29	244	08	33	164	80
21	02	42	784	19	20	691	93	02	34	71.9	23	37	48.8	23.1	23	37	271	08	34	121	150
22	24	00	816	18	58	642	174	17	42	78.5	23	57	39.4	39.1	01	00	285	03	56	144	141
23 D	21	58	952	11	57	-211	1163	09	49	200.4	14	02	-19.2	219.6	09	58	532	12	32	-528	1060
24	02	51	914	10	50	354	560	03	27	87.3	07	22	40.1	47.2	02	37	328	10	48	-018	346
25	05	22	1044	13	37	385	659	08	02	68.7	05	11	33.7	35.0	03	49	335	13	37	-072	407
26	01	31	778	13	30	653	125	14	28	69.6	00	46	44.3	25.3	01	33	303	09	56	121	182
27	06	40	769	21	50	707	62	16	25	71.1	23	17	51.5	19.6	00	00	238	16	55	216	22
28 Q	08	50	760	20	15	715	45	16	43	69.8	21	05	49.6	20.2	00	30	239	09	45	179	60
29 Q	05	18	765	01	12	712	53	16	55	64.7	22	36	47.8	16.9	05	30	233	19	25	205	28
30 Q	09	52	770	18	11	720	50	16	23	63.8	20	48	47.0	16.8	21	30	248	11	55	202	46
31																					
Mean			874			512	362			81.2			31.6	49.6			407			100	307
No. days			30			30	30			30			30	30			30			30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 131. Meanook. (H.) 12,000 γ + May, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	746	745	746	747	748	750	749	756	753	755	754	758	764	766	761	756	751	748	745	734	720	732	735	735	748
2	735	754	776	779	752	753	755	758	762	741	728	665	698	719	719	741	730	726	730	730	729	734	746	750	738
3	725	732	739	758	815	712	742	750	691	536	548	641	699	739	747	723	700	700	705	721	727	786	811	846	720
4 D	950	1032	1104	872	813	844	769	507	645	716	754	765	758	678	380	341	669	712	716	719	708	698	706	733	733
5	704	803	821	860	774	730	721	724	731	731	732	746	740	728	723	672	632	690	702	670	695	731	746	811	734
6	771	737	741	755	723	739	774	763	760	738	710	761	762	735	718	732	733	733	725	723	713	717	716	719	737
7	717	728	727	724	730	731	737	746	735	754	739	735	740	744	754	736	698	721	729	729	726	727	729	738	732
8 Q	744	751	743	745	757	760	749	751	756	755	760	762	752	747	760	766	755	733	730	726	729	745	734	738	748
9	751	754	750	746	746	746	748	753	754	756	761	763	765	765	769	760	748	739	732	729	728	746	778	737	751
10	755	794	761	749	754	773	749	753	752	759	764	761	754	758	761	762	749	740	733	723	724	735	744	746	752
11 D	764	783	763	779	758	763	758	759	738	727	741	766	755	767	734	764	770	677	362	605	732	888	1068	812	751
12 D	973	696	659	752	802	459	437	491	563	387	567	678	707	574	513	583	577	577	703	729	731	756	833	937	654
13	1009	751	709	692	700	699	708	710	717	720	716	707	676	686	683	696	707	705	703	697	711	690	729	753	720
14 D	767	774	801	826	763	763	782	722	609	663	475	195	222	450	474	676	771	741	730	709	740	811	971	1080	688
15	1096	911	857	840	640	682	748	752	732	721	658	724	749	750	691	722	709	717	713	700	700	727	754	721	751
16	747	745	756	776	772	675	540	627	434	544	555	549	676	637	640	671	712	719	712	707	723	725	752	767	673
17	821	849	843	800	763	755	751	708	715	577	661	740	729	702	717	747	730	731	724	722	730	737	749	754	740
18	753	735	731	733	748	739	722	665	733	722	703	715	732	741	756	751	734	725	721	724	720	723	727	730	728
19	735	737	741	752	739	738	737	739	733	731	725	712	718	729	724	720	730	720	713	710	711	722	733	748	729
20 Q	758	725	731	735	742	743	744	744	744	740	743	745	738	735	744	738	730	716	709	710	704	715	737	746	734
21	758	765	752	750	744	758	746	747	724	758	754	756	769	767	759	747	742	731	724	718	724	729	735	748	746
22	747	752	759	751	747	746	743	747	741	711	711	738	752	753	752	741	736	738	732	738	730	731	737	738	740
23 Q	741	746	752	756	758	762	763	763	761	762	762	760	763	764	762	760	759	757	754	742	743	741	735	733	754
24	734	732	734	739	743	748	749	750	753	763	753	744	751	758	772	769	718	703	745	749	755	734	769	730	746
25	770	738	738	764	801	817	791	773	751	763	763	760	774	784	786	773	760	744	743	745	748	754	741	745	764
26 Q	758	751	755	763	763	754	745	740	739	738	737	739	735	739	749	745	735	727	714	708	712	722	733	741	739
27	742	749	752	764	752	744	744	736	745	743	742	749	743	730	738	741	717	683	682	716	730	741	761	748	737
28	745	747	742	740	752	760	775	759	777	764	764	770	766	764	764	744	737	718	716	718	731	698	733	754	747
29 D	779	803	865	958	946	892	551	283	252	339	468	353	329	229	369	439	556	709	737	723	748	759	845	840	616
30	834	747	741	729	733	735	742	703	461	538	560	586	472	501	698	748	740	725	722	721	724	740	750	765	684
31	782	764	750	773	758	751	764	677	695	729	729	730	738	736	745	741	725	719	706	702	714	706	710	722	732
Mean	787	769	769	771	759	743	727	705	692	690	695	696	701	699	699	710	718	717	710	716	724	739	766	770	728

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 132. Meanook. (D.) East. 25° + . . . ′ May, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	51.2	51.0	51.4	51.7	52.1	52.8	53.7	53.1	56.1	57.5	58.4	56.6	57.5	59.4	59.9	61.5	62.1	60.8	57.6	54.4	50.2	45.7	44.4	45.2	54.3
2	47.0	47.8	47.6	49.7	50.7	51.3	51.6	52.1	53.7	58.3	55.4	56.4	59.0	59.0	59.5	58.4	58.7	55.2	53.2	50.3	48.8	47.6	46.4	44.5	52.6
3	45.8	47.3	49.0	50.3	50.0	52.3	55.5	54.6	59.2	53.6	64.0	60.2	62.9	64.8	63.9	64.0	59.6	59.7	56.7	47.7	45.9	49.5	50.5	49.6	54.9
4 D	44.1	39.3	39.4	33.1	62.4	54.5	50.6	48.9	66.1	58.5	54.6	53.7	57.0	58.0	66.6	71.3	58.2	57.0	60.2	57.6	47.8	43.8	44.7	46.2	53.1
5	46.3	45.1	51.6	52.0	51.1	48.9	51.3	53.2	54.0	52.9	53.9	54.7	57.1	59.9	64.8	67.3	60.2	55.6	54.3	53.9	49.8	50.9	51.2	52.0	53.8
6	49.3	49.8	50.7	56.2	54.7	57.7	55.3	52.4	52.4	52.8	55.8	58.3	57.2	61.6	64.0	62.2	60.7	59.2	56.5	53.6	50.9	50.5	50.4	49.2	55.1
7	47.9	48.8	50.9	52.2	53.1	53.6	53.6	53.1	53.7	55.6	51.2	52.0	54.5	56.5	59.4	58.4	56.4	53.6	54.0	51.9	48.8	47.9	48.3	49.5	52.7
8 Q	50.6	50.9	51.7	52.6	52.6	55.8	53.4	52.7	52.5	53.3	54.4	56.0	56.9	59.8	61.3	62.6	62.0	61.2	54.7	51.0	51.4	49.6	49.6	49.9	54.4
9	50.0	50.2	53.0	53.1	53.3	53.3	53.5	53.3	53.2	53.3	52.4	52.0	55.1	59.0	62.3	63.8	62.5	57.7	54.2	48.8	48.2	47.4	48.5	48.3	53.6
10	50.5	51.8	56.3	53.3	52.2	53.6	58.3	54.2	52.5	53.4	54.0	53.7	57.3	64.1	63.2	62.2	62.7	61.5	58.3	52.9	49.7	49.7	49.2	50.6	55.2
11 D	51.7	50.2	56.4	54.7	53.2	55.8	53.9	54.0	62.7	57.8	58.6	57.0	60.3	64.1	66.3	67.9	63.5	72.7	75.6	95.4	112.4	138.6	43.8	31.2	64.9
12 D	44.4	48.4	52.3	49.8	50.3	73.2	52.4	51.9	48.9	71.4	76.8	67.6	67.3	69.5	80.9	56.2	51.8	56.1	55.2	51.0	53.7	56.0	58.5	58.4	58.4
13	53.2	47.9	51.3	51.8	52.1	53.8	54.5	54.4	54.0	53.7	54.5	56.9	58.5	66.2	67.1	65.2	62.5	58.5	53.9	50.0	48.8	47.4	48.2	50.1	54.8
14 D	48.0	48.2	48.3	49.0	49.0	50.8	49.1	51.4	53.3	54.7	61.2	72.4	110.7	96.9	80.6	65.1	71.3	68.5	53.3	49.7	52.9	55.9	57.3	48.7	60.3
15	41.9	41.8	47.4	48.6	49.8	51.2	57.4	53.6	52.1	51.0	47.8	52.8	55.8	66.2	67.8	70.7	70.6	67.2	56.5	51.9	51.2	50.7	50.8	52.2	54.5
16	51.4	52.7	54.9	55.3	63.0	57.7	62.3	63.0	65.0	56.8	68.3	74.8	66.8	66.8	63.0	56.8	63.3	69.1	60.6	56.8	50.8	48.2	48.7	49.7	59.4
17	48.2	47.0	49.4	56.6	53.6	52.3	57.9	57.4	53.3	48.5	47.0	53.7	54.5	58.5	60.3	61.2	66.4	64.9	69.1	59.5	52.3	49.2	50.4	50.2	55.1
18	50.1	51.2	55.2	53.6	61.0	54.6	51.8	48.8	55.2	55.2	54.8	58.2	61.5	62.2	63.1	63.8	64.3	64.8	61.9	59.1	55.5	52.8	52.6	53.5	56.9
19	52.7	55.5	54.5	54.6	55.7	54.7	54.7	54.6	56.2	57.2	55.6	56.8	60.1	60.4	62.2	62.8	62.1	59.7	58.2	54.5	50.5	49.8	49.5	49.5	55.9
20 Q	51.1	53.7	54.1	54.1	54.9	54.9	54.1	53.8	53.5	53.0	54.3	54.6	56.2	60.6	63.4	64.4	63.6	59.7	53.5	51.0	48.7	48.0	48.5	49.8	54.7
21	51.6	56.3	56.7	55.8	54.2	53.1	54.8	53.6	52.6	58.6	54.2	57.9	60.0	61.8	65.8	67.1	65.8	61.6	57.8	53.0	50.5	50.5	50.3	50.9	56.4
22	52.2	53.0	52.4	53.5	56.0	53.9	54.0	54.4	54.3	52.9	54.0	57.2	58.9	63.6	64.8	65.8	63.1	63.9	61.2	57.9	54.0	52.3	50.8	50.0	56.4
23 Q	50.1	51.6	53.3	54.2	54.3	53.9	54.6	55.0	55.6	56.2	57.1	57.6	57.8	58.7	60.1	61.5	61.9	60.7	57.4	53.1	50.9	49.5	49.3	49.8	55.2
24	48.2	49.2	50.1	51.4	52.4	52.7	53.0	53.4	53.9	51.8	51.4	53.6	58.6	61.7	67.1	62.9	71.1	56.7	46.6	49.9	53.0	49.1	43.5	45.2	53.6
25	46.2	47.4	46.1	44.5	46.3	45.6	46.0	49.7	54.9	53.8	53.6	53.6	56.3	57.1	60.2	60.3	59.7	56.1	52.4	43.9	40.4	40.4	43.5	45.2	50.1
26 Q	48.4	50.1	51.9	54.6	54.7	50.7	50.9	49.9	51.7	51.9	54.7	56.3	57.8	59.1	61.8	62.6	62.4	59.5	54.9	50.6	47.1	46.8	46.4	48.4	53.5
27	49.6	51.3	53.8	57.4	57.6	52.8	51.8	55.2	52.8	50.9	52.8	54.6	57.4	59.0	61.4	65.0	64.0	62.5	47.8	42.2	43.3	44.1	46.4	48.2	53.4
28	50.4	52.3	53.4	50.9	47.9	47.5	45.2	59.5	55.6	52.6	52.8	56.6	61.1	64.1	62.9	65.2	64.3	57.6	52.4	47.1	45.2	41.1	42.2	46.0	53.1
29 D	49.4	50.4	45.4	37.4	39.4	42.4	41.4	39.2	49.1	74.9	62.0	78.7	91.1	93.6	80.6	62.0	64.0	52.5	47.9	44.1	44.9	44.9	47.0	47.2	55.4
30	48.9	48.7	47.0	49.6	49.7	49.7	48.9	48.1	64.4	63.1	64.0	68.0	65.3	62.9	72.7	69.4	65.1	58.3	54.3	50.5	47.7	45.3	45.8	46.3	55.6
31	46.8	47.5	48.8	49.4	47.3	46.8	45.3	49.6	54.0	53.9	51.6	55.1	59.1	59.8	63.4	63.8	63.8	60.8	56.4	51.4	46.7	44.8	43.1	43.9	52.2
Mean	48.9	49.6	51.1	51.3	52.7	53.0	52.6	52.8	55.0	55.8	56.2	58.3	61.6	63.7	65.2	63.6	62.8	60.4	56.3	53.0	51.4	51.2	48.4	48.4	55.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 133. Meanook. (Z.) 59,000 γ + May, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	244	233	232	230	231	231	232	230	212	218	210	231	237	235	231	228	229	232	234	235	238	238	243	244	232
2	240	238	248	276	246	232	225	226	220	172	167	123	161	191	191	229	242	241	242	239	238	242	248	255	222
3	251	242	233	243	266	193	263	228	207	157	122	129	177	199	213	220	208	227	253	274	274	287	332	355	231
4 D	361	339	271	115	261	282	246	268	203	201	246	255	252	207	080	-127	130	225	227	241	271	264	272	248	222
5	238	281	313	325	311	265	246	238	234	230	230	242	244	237	232	216	213	232	234	255	263	263	292	315	256
6	285	275	263	256	113	189	258	258	240	198	179	225	239	228	206	207	222	232	231	237	243	244	240	238	229
7	233	232	226	226	226	226	226	224	191	215	202	191	195	203	218	221	205	215	224	228	231	233	233	232	219
8 Q	231	236	234	235	235	254	254	233	232	231	230	232	226	218	219	220	220	218	222	228	239	253	251	250	233
9	243	236	236	235	233	233	233	234	232	231	231	229	227	224	225	221	218	214	215	225	234	246	264	268	233
10	269	283	272	240	235	247	237	241	223	213	223	227	225	227	230	229	230	228	231	230	227	232	233	232	236
11 D	235	244	248	277	257	236	225	209	111	103	170	214	210	217	165	175	185	253	191	361	405	062	004	-235	188
12 D	102	259	264	258	193	-021	015	309	312	347	155	181	233	195	180	210	196	206	243	257	276	273	324	331	221
13	226	277	243	237	239	236	234	233	233	232	229	222	206	209	220	218	223	224	226	234	244	247	265	279	235
14 D	284	293	296	326	307	267	239	207	176	175	233	024	013	-013	081	184	249	222	234	252	267	320	350	224	217
15	210	212	283	269	021	191	259	206	185	234	198	246	208	169	188	226	235	255	236	230	243	253	264	252	220
16	251	247	258	263	213	200	125	198	146	121	048	162	143	129	122	186	221	241	241	251	264	254	255	268	200
17	292	236	278	274	249	246	161	141	182	118	177	206	208	201	214	230	238	243	251	260	264	259	257	255	227
18	252	242	243	237	215	205	177	095	191	200	188	201	213	216	231	234	232	231	230	228	232	232	232	235	216
19	230	234	229	226	222	218	215	210	192	193	182	172	184	191	198	194	207	213	214	213	217	226	228	233	210
20 Q	229	219	211	211	211	209	209	207	204	196	202	206	203	202	206	209	209	207	202	201	205	209	223	230	209
21	224	220	219	214	209	210	210	191	159	198	195	194	210	218	215	214	212	212	211	208	209	211	215	215	208
22	211	210	211	213	220	210	209	209	200	149	128	159	184	188	200	203	194	200	197	198	208	213	218	219	198
23 Q	212	205	200	197	197	196	195	194	195	196	196	196	196	195	194	193	192	190	186	182	183	188	190	195	194
24	195	197	189	190	189	188	189	189	191	181	146	140	164	175	182	189	198	175	176	187	201	220	227	247	188
25	232	192	182	195	230	243	222	202	176	185	181	187	196	194	189	187	185	183	184	189	186	186	188	190	196
26 Q	192	194	199	208	206	207	218	199	195	194	193	193	191	191	190	189	186	187	187	184	183	185	188	194	194
27	193	189	195	203	197	194	185	154	177	186	189	190	184	168	171	183	175	164	163	165	178	192	209	215	184
28	216	213	203	194	194	194	204	143	196	193	201	208	197	188	192	184	181	183	182	179	186	189	188	205	192
29 D	228	251	298	314	242	215	125	246	-018	127	276	317	234	152	053	055	101	182	192	207	212	242	275	275	200
30	255	219	220	216	205	201	201	099	-036	-020	055	096	049	-018	104	202	200	205	212	220	234	236	231	229	159
31	246	255	258	243	211	205	216	128	134	157	170	172	188	191	200	207	200	198	196	194	198	203	203	207	199
Mean	236	239	240	237	219	213	208	205	184	185	186	193	194	185	185	192	204	214	215	226	234	229	237	229	212

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 134. Meanook. May, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	13	30	767	22	12	698	69	16	13	63.0	23	23	43.3	19.7	22	25	251	08	23	189	62
2	03	20	795	11	34	638	157	13	00	64.0	23	46	43.3	20.7	03	31	295	11	19	067	228
3	24	00	863	09	32	425	438	10	39	74.3	09	38	39.5	34.8	23	36	364	10	23	037	327
4 D	02	52	1157	15	31	198	959	04	15	89.0	03	52	-13.1	102.1	04	03	411	03	33	-292	703
5	03	46	892	16	40	609	283	15	08	69.5	05	08	43.4	26.1	03	40	362	16	40	199	163
6	04	02	831	04	53	664	167	03	53	75.4	04	36	32.0	43.4	16	22	285	04	33	047	238
7	09	25	758	16	39	679	79	14	52	61.0	21	44	47.5	13.5	21	56	235	08	47	164	71
8 Q	15	30	774	18	59	716	58	13	35	64.9	21	47	48.5	16.4	06	03	285	13	27	213	72
9	23	56	784	20	30	723	61	15	13	64.8	21	52	45.8	19.0	23	58	287	18	36	206	81
10	01	33	811	19	20	717	94	13	31	66.9	02	01	47.8	19.1	02	04	308	09	02	208	100
11 D	22	38	1391	18	13	150	1241	21	41	188.0	22	33	-05.5	193.5	17	57	473	23	43	-503	976
12 D	23	58	1328	09	20	231	1097	05	48	114.2	06	00	12.2	102.0	09	04	516	05	46	-240	756
13	00	04	1332	12	43	663	669	14	30	70.2	21	43	46.9	23.3	23	35	280	12	40	199	81
14 D	23	32	1193	12	41	-497	1690	12	19	190.0	23	43	01.2	188.8	11	14	694	17	45	-336	1030
15	00	12	1147	10	30	608	539	04	14	81.1	04	15	19.4	61.7	02	26	332	04	56	-181	513
16	03	59	916	05	46	225	691	10	55	112.5	05	52	-16.1	128.6	03	55	376	05	43	-171	547
17	01	03	973	09	43	486	487	18	17	72.1	09	42	39.6	32.5	02	34	338	09	38	-013	351
18	04	38	764	07	14	622	142	04	33	73.6	06	49	39.9	33.7	00	05	262	07	14	006	256
19	24	00	778	15	18	706	72	15	04	64.5	23	21	48.8	15.7	01	48	239	11	54	169	70
20 Q	00	01	781	20	05	703	78	16	00	65.6	22	25	47.6	18.0	23	08	232	09	43	190	42
21	09	30	777	08	48	699	78	15	50	69.2	00	00	50.1	19.1	00	33	226	08	24	117	109
22	02	40	767	09	34	687	80	15	52	67.2	09	28	49.0	18.2	04	39	224	11	49	112	112
23 Q	10	30	766	23	20	729	37	16	16	63.0	21	55	49.0	14.0	00	00	214	19	30	178	36
24	22	00	817	17	00	680	137	17	00	74.8	22	16	40.7	34.1	23	51	259	11	48	120	139
25	05	32	855	17	52	707	148	16	13	63.0	22	05	37.9	25.1	00	07	270	08	25	115	155
26 Q	03	55	780	20	03	705	75	16	30	64.1	07	14	44.0	20.1	07	04	234	20	00	182	52
27	04	00	768	18	11	663	105	16	52	69.7	18	56	40.3	29.4	23	50	216	07	41	116	100
28	07	05	851	21	04	676	175	07	30	70.8	21	03	38.5	32.3	08	15	230	07	17	087	143
29 D	04	42	1019	08	03	-265	1284	13	45	135.6	07	58	-17.2	152.8	07	51	497	08	39	-210	707
30	00	00	878	13	17	270	608	08	41	101.5	13	02	-03.0	104.5	00	05	266	08	47	-156	422
31	03	38	788	07	44	584	204	16	37	66.0	07	07	41.9	24.1	01	43	268	07	40	-029	297
Mean			906			519	387			82.9			31.7	51.2			314			026	288
No. days			31			31	31			31			31	31			31			31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 135. Meanook. (H.) 12,000 γ + June, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	767	779	738	720	722	735	744	738	678	742	748	742	740	710	730	733	731	720	719	722	728	724	717	731	732
2 D	740	765	767	759	753	759	752	745	748	749	735	732	677	731	741	736	716	714	732	740	747	819	797	819	749
3	855	773	744	727	720	725	727	736	736	734	734	741	749	751	748	742	734	732	730	731	731	728	751	722	742
4 Q	732	764	777	761	744	737	740	746	750	744	735	752	759	758	762	764	760	755	735	738	732	721	720	729	746
5	753	805	799	841	849	792	779	765	761	747	690	735	757	771	779	776	752	745	733	730	727	725	729	743	762
6	757	766	764	752	750	751	750	750	748	750	757	762	766	771	756	751	755	741	724	719	713	734	745	751	749
7	761	762	754	754	755	755	761	761	769	761	750	755	760	770	773	774	770	764	745	729	734	728	746	765	756
8 D	804	827	752	797	832	768	733	691	539	446	731	796	767	772	767	766	772	742	732	729	735	756	730	730	738
9	723	736	737	731	738	752	749	747	754	747	750	754	761	763	751	744	731	723	718	716	721	733	757	764	742
10	766	765	749	741	743	751	755	753	749	723	713	709	712	715	689	659	668	649	665	706	760	779	785	793	729
11 D	856	895	856	836	847	834	784	741	738	719	723	704	701	743	704	713	701	679	687	696	748	725	753	815	758
12 D	862	852	860	828	721	611	614	382	476	481	443	607	738	760	743	732	737	725	734	732	791	815	763	770	699
13 D	791	824	885	848	838	796	763	457	287	466	558	550	621	735	745	720	711	717	717	701	692	709	712	757	692
14	751	752	732	710	709	708	718	726	729	734	737	747	747	746	748	742	728	710	694	696	703	708	734	731	727
15 Q	762	763	735	739	740	738	740	740	738	738	742	751	750	745	750	742	726	705	696	700	706	707	721	745	734
16	758	755	754	747	747	751	750	745	699	698	717	745	741	754	711	686	706	720	727	721	710	726	738	756	732
17	760	777	779	750	737	739	747	749	750	750	751	752	745	741	748	739	732	724	709	685	718	734	730	747	741
18	779	749	743	742	736	748	755	754	734	737	742	762	775	775	776	765	745	735	730	723	713	706	718	734	745
19	734	746	747	744	743	749	752	753	751	753	752	756	761	758	761	761	745	726	728	721	712	711	717	733	742
20	751	753	752	750	752	752	753	754	755	756	755	760	766	774	780	780	775	762	744	737	740	737	736	775	756
21	765	762	830	783	801	782	771	736	645	524	610	598	704	747	759	769	764	768	746	738	726	724	735	743	730
22	752	773	767	766	758	728	710	737	731	690	742	756	744	764	777	775	767	745	737	737	734	729	736	738	746
23 Q	752	754	743	740	742	743	743	740	738	738	742	744	752	763	766	760	752	750	743	744	743	739	737	740	746
24	748	753	755	750	752	755	753	751	766	769	765	766	769	767	769	755	756	743	730	722	725	734	732	724	750
25	738	745	750	749	748	741	744	746	748	747	748	749	747	734	726	760	752	728	722	723	725	727	735	746	741
26	751	749	756	741	744	742	744	746	746	755	750	750	752	748	747	739	722	714	716	722	738	731	733	743	741
27 Q	757	782	759	757	759	747	745	744	743	735	745	744	754	754	759	749	732	719	717	709	706	704	719	730	740
28 Q	743	744	751	745	749	751	749	747	743	742	744	751	754	753	759	753	740	719	706	697	687	701	716	724	736
29	760	745	764	759	753	756	758	733	753	751	750	756	758	754	742	724	714	696	703	697	707	720	708	730	737
30	739	741	753	771	758	769	760	757	738	673	734	730	720	726	758	762	753	744	730	718	702	706	727	728	737
31																									
Mean	766	772	768	761	758	749	745	722	708	703	720	732	742	752	751	746	738	727	722	719	725	731	736	748	739

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

Table 136. Meanook. (D.) East. 25° + . . . ′ June, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	46.2	47.5	48.8	50.0	49.8	49.4	50.3	50.8	52.0	52.0	51.9	58.4	55.3	62.6	66.4	67.3	62.1	55.7	53.7	54.5	53.7	53.2	48.2	45.1	53.5
2 D	46.9	46.7	48.4	51.1	50.8	50.0	50.5	54.9	49.9	52.5	51.8	52.1	55.8	57.0	61.5	65.2	66.2	63.2	58.2	54.0	48.5	46.9	47.2	47.4	53.2
3	48.0	49.1	51.1	51.1	51.2	52.4	51.7	51.8	52.4	53.4	54.5	54.8	57.2	59.9	62.1	62.7	62.0	59.8	58.9	57.3	54.9	51.8	49.2	46.8	54.3
4 Q	48.0	48.9	49.7	55.3	50.7	50.7	50.4	50.4	50.1	50.1	57.1	55.9	59.1	61.3	63.1	63.3	61.2	58.2	56.4	53.7	51.6	48.9	47.0	46.1	53.6
5	45.9	45.6	46.8	46.9	46.4	49.9	49.8	49.4	51.6	50.5	52.1	56.8	59.7	60.7	61.5	61.4	61.6	60.7	56.9	52.1	48.6	48.7	48.3	47.9	52.5
6	49.0	50.4	51.8	51.2	50.9	50.9	50.2	51.1	55.2	54.0	51.5	53.2	58.0	60.9	62.4	61.9	62.9	58.9	53.9	49.5	47.5	47.1	47.6	48.0	53.2
7	49.2	50.6	50.7	50.8	50.5	50.7	52.7	54.3	50.7	50.4	49.5	52.4	57.1	61.2	62.0	61.6	59.3	54.3	51.0	47.3	48.0	48.8	47.6	47.0	52.4
8 D	48.6	50.7	50.6	47.1	60.9	50.1	46.3	46.0	49.0	49.4	54.0	53.6	60.4	63.1	67.0	68.1	69.0	59.4	58.3	49.7	38.8	39.4	43.7	49.6	53.0
9	54.0	56.0	55.9	54.2	56.9	49.3	47.6	48.8	49.3	51.5	53.3	54.4	57.1	59.1	60.9	61.5	62.8	57.6	52.0	46.1	43.1	42.7	43.2	44.9	52.6
10	45.9	45.4	47.6	47.7	47.5	46.6	46.8	47.6	45.2	45.5	52.3	56.1	55.2	56.0	59.6	57.1	61.4	54.1	48.0	42.6	41.6	39.8	38.9	36.8	48.6
11 D	37.2	35.7	39.7	39.4	45.1	43.5	41.3	48.0	44.5	42.8	45.1	45.0	48.7	54.7	58.5	62.7	69.3	64.7	54.4	50.5	53.6	45.8	44.2	44.0	47.8
12 D	49.1	40.9	46.1	47.4	45.0	55.2	49.0	45.1	52.8	59.0	69.6	68.9	58.2	60.3	63.3	63.1	64.3	65.1	70.0	59.5	46.7	42.1	38.0	38.5	54.0
13 D	36.9	33.2	36.1	48.3	39.6	49.8	32.9	41.7	54.0	42.8	69.4	55.8	53.3	59.4	62.8	63.4	65.8	61.1	57.9	50.2	45.3	40.8	40.7	41.8	49.3
14	43.2	47.4	48.5	49.5	49.8	49.6	49.1	49.4	50.0	50.0	50.3	51.3	53.2	57.5	61.8	63.4	61.6	57.2	51.2	45.3	41.3	40.1	41.1	43.5	50.2
15 Q	45.9	49.0	50.6	49.5	49.2	49.2	49.7	48.7	48.5	49.0	49.9	51.1	52.4	55.5	57.9	58.8	61.3	57.9	53.2	47.9	44.4	41.7	41.4	43.0	50.2
16	45.5	49.4	50.4	50.5	50.5	49.8	49.0	46.6	49.6	49.6	51.4	51.3	55.4	59.1	58.8	55.5	60.1	59.1	55.1	46.9	43.6	43.9	43.9	43.8	50.8
17	43.4	44.1	44.6	45.9	49.4	49.2	48.4	48.4	48.0	48.2	48.5	49.6	51.7	54.6	58.0	61.5	65.1	63.9	62.8	51.8	45.0	42.1	41.1	42.2	50.3
18	44.1	48.4	49.5	49.6	49.3	48.5	48.2	49.2	55.3	51.1	47.4	51.5	55.8	57.7	61.5	62.5	61.5	59.7	56.0	50.9	45.3	42.4	41.3	44.0	51.3
19	45.4	47.8	48.7	48.2	48.4	47.8	48.3	49.4	49.4	49.8	51.4	53.2	55.6	59.2	60.8	62.8	64.7	58.6	56.5	51.3	47.9	45.5	43.9	43.9	51.6
20	46.0	48.6	49.9	49.7	48.9	49.2	49.1	49.1	49.7	48.9	50.6	53.4	54.8	56.1	57.2	58.6	59.0	55.0	52.1	46.3	44.7	43.3	42.1	40.4	50.1
21	42.2	45.4	43.4	50.7	49.4	49.5	53.8	54.6	50.8	57.5	52.5	60.4	60.7	61.3	59.9	59.5	62.3	57.5	52.8	47.5	47.5	46.0	45.6	46.8	52.4
22	48.6	50.6	50.4	52.1	49.6	48.4	53.3	52.6	49.8	55.4	50.4	48.8	54.4	58.4	55.5	56.4	56.1	53.4	51.9	50.4	48.5	45.9	47.8	48.8	51.6
23 Q	49.9	51.0	52.4	52.7	52.1	51.7	51.4	51.2	49.7	50.2	50.5	52.0	54.1	55.9	57.1	58.5	58.7	58.2	55.7	52.3	49.5	47.4	47.4	47.6	52.4
24	48.7	50.1	51.2	50.7	51.1	51.4	50.8	49.0	47.0	46.2	47.7	52.1	55.0	58.8	60.2	60.1	58.5	58.7	53.7	50.0	46.1	46.1	46.0	45.9	51.5
25	45.5	45.8	47.0	47.2	48.6	48.9	48.5	48.7	48.6	49.3	51.2	52.5	53.7	54.9	57.2	57.2	56.6	57.6	54.0	51.7	47.6	44.7	44.4	45.7	50.3
26	47.6	49.9	49.4	52.4	48.5	48.3	48.3	47.5	47.6	48.0	50.2	51.4	54.4	56.6	60.2	61.7	62.6	60.6	55.8	48.7	47.0	44.6	42.4	42.8	51.1
27 Q	44.8	47.5	48.9	49.8	49.6	51.6	48.4	48.1	49.5	48.1	49.7	47.5	50.1	52.6	56.1	58.9	61.6	60.6	54.9	49.6	48.4	41.1	41.9	44.4	50.2
28 Q	46.6	48.3	49.2	49.0	48.6	48.1	47.1	46.9	48.6	49.1	50.4	53.0	54.8	55.9	56.7	57.0	57.7	57.4	51.6	47.2	40.5	37.4	39.0	41.9	49.2
29	43.2	47.4	48.8	49.1	50.2	49.7	51.1	52.2	49.8	49.1	50.4	53.1	55.5	57.1	57.2	61.2	63.4	64.6	63.7	53.2	43.9	42.1	39.3	40.8	51.5
30	44.6	47.6	50.2	50.0	49.9	49.5	50.6	49.4	49.3	45.7	50.5	50.7	53.8	57.1	62.1	63.4	61.9	55.0	51.2	48.2	47.1	44.7	41.4	41.7	50.6
31																									
Mean	46.0	47.3	48.6	49.6	49.6	49.6	48.8	49.4	49.9	50.0	52.2	53.3	55.4	58.2	60.3	61.2	61.7	58.9	55.4	50.2	46.7	44.5	43.8	44.4	51.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 137. Meanook. (Z.) 59,000 γ + June, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	240	230	224	217	226	230	217	210	200	198	184	173	124	156	160	162	161	154	167	188	219	285	342	301	207
2 D	311	255	210	202	196	190	198	169	115	182	202	201	196	188	191	202	210	204	200	198	202	206	203	207	202
3	208	230	230	205	197	197	194	197	195	183	190	205	207	207	208	200	198	191	190	194	201	213	233	238	205
4 Q	236	226	228	229	204	197	195	197	197	183	151	187	206	207	207	203	201	200	191	191	194	197	199	204	201
5	206	233	256	286	285	251	238	226	220	203	145	174	196	206	206	210	203	198	187	197	199	202	209	217	215
6	226	238	227	214	214	211	207	204	197	185	197	212	214	208	197	166	179	191	192	204	207	218	223	226	206
7	225	220	212	210	209	208	210	199	199	191	188	201	205	205	200	204	210	220	212	204	200	193	192	210	205
8 D	239	278	258	248	206	159	229	179	153	102	196	238	236	215	210	204	211	200	199	200	202	215	211	215	208
9	211	218	214	205	207	200	203	204	205	204	206	207	207	206	198	194	187	182	182	189	190	186	191	199	200
10	204	200	200	199	202	199	200	199	187	123	102	111	130	145	133	105	149	151	197	235	258	257	270	263	184
11 D	286	273	296	307	297	277	213	198	199	174	188	157	181	223	202	210	214	215	233	230	249	239	233	258	231
12 D	249	235	250	202	168	116	219	175	080	268	071	154	200	215	203	199	215	210	217	242	304	265	219	221	204
13 D	243	262	268	215	219	152	180	174	194	020	122	262	219	227	233	221	220	212	210	200	197	203	210	225	204
14	247	247	223	204	195	194	198	203	203	204	207	211	214	213	209	208	202	197	190	191	199	204	209	209	208
15 Q	219	230	217	209	206	205	202	202	205	205	206	211	212	208	207	202	201	198	192	194	197	200	212	231	207
16	231	229	219	207	204	204	202	185	064	135	147	185	183	186	168	150	180	194	198	197	201	222	245	259	191
17	258	259	263	247	216	203	199	198	192	196	201	204	196	195	201	208	207	202	201	200	215	225	221	220	214
18	230	221	204	203	198	201	205	196	111	149	175	191	210	216	215	211	203	192	187	190	191	189	192	203	195
19	212	214	210	204	200	199	202	199	196	197	201	207	207	203	202	194	186	179	180	180	184	188	190	192	197
20	194	193	190	189	191	192	196	198	201	202	205	207	210	209	211	208	203	200	197	194	201	206	207	213	201
21	212	216	263	277	284	278	249	213	180	002	030	054	131	157	201	220	218	217	217	212	207	212	216	224	195
22	236	244	244	243	231	168	132	198	181	089	185	211	191	202	209	213	221	216	206	203	208	209	211	218	203
23 Q	222	222	214	211	208	206	207	206	205	205	208	209	210	211	211	210	205	203	199	202	208	208	208	207	208
24	207	210	213	208	209	210	211	208	208	205	200	206	212	204	200	196	193	188	194	194	197	206	214	217	205
25	221	227	228	226	222	207	206	206	206	205	205	207	201	175	165	191	193	189	186	186	186	192	207	214	202
26	218	218	221	222	210	207	206	207	196	204	204	206	210	210	208	203	198	192	189	194	197	200	207	211	206
27 Q	222	238	219	217	217	210	204	204	196	181	178	196	201	210	210	206	199	192	189	188	194	202	208	214	204
28 Q	217	212	210	205	203	203	202	202	203	203	206	207	207	203	200	197	186	180	176	180	190	197	203	203	200
29	214	216	217	205	198	198	186	131	196	203	208	211	208	195	174	163	172	182	189	214	233	230	212	203	198
30	200	197	206	233	240	241	228	215	164	119	171	173	147	162	178	202	200	196	186	180	184	201	213	213	194
31																									
Mean	228	230	228	222	215	204	205	197	182	171	176	193	196	199	197	195	198	195	195	199	207	212	217	221	203

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 138. Meanook. June, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 1 +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	00	52	812	08	12	643	169	15	16	69.1	00	22	42.5	26.6	22	24	424	12	19	089	335
2 D	21	40	866	12	20	651	215	16	45	67.6	08	03	41.7	25.9	00	09	325	07	58	027	298
3	00	13	882	04	36	707	175	15	41	63.8	23	32	45.4	18.4	01	42	260	09	40	179	81
4 Q	02	37	781	22	18	719	62	15	29	64.2	23	42	45.9	18.3	03	18	253	10	10	127	126
5	03	49	888	10	52	652	236	12	52	63.8	03	52	42.5	21.3	04	49	303	10	40	115	188
6	01	54	780	20	12	709	71	14	59	66.8	20	44	45.2	21.6	01	52	243	15	37	151	92
7	23	56	816	21	42	725	91	14	46	62.5	22	38	42.3	20.2	23	55	246	22	16	186	60
8 D	04	11	927	09	11	231	696	04	47	78.1	08	09	11.0	67.1	08	21	300	09	33	011	289
9	08	01	784	19	22	712	72	16	39	66.2	21	09	41.2	25.0	01	43	224	18	06	178	46
10	24	00	838	17	15	606	232	16	29	64.0	23	10	35.9	28.1	22	21	278	10	10	066	212
11 D	01	02	946	12	07	633	313	17	02	71.1	01	31	29.7	41.4	05	23	359	12	04	107	251
12 D	03	26	991	07	00	253	738	10	42	88.7	01	57	30.7	58.0	20	56	325	08	14	-076	401
13 D	05	02	1050	08	46	142	908	08	04	114.6	07	46	-22.7	137.3	06	46	447	09	21	-107	554
14	01	35	786	19	08	693	93	15	45	63.9	00	01	32.3	31.6	00	41	277	18	30	187	90
15 Q	01	00	776	18	00	695	81	16	32	61.9	22	17	40.9	21.0	23	49	236	18	25	191	45
16	06	52	768	15	15	677	101	13	49	62.4	20	06	41.9	20.5	23	03	265	08	23	025	240
17	02	09	791	19	42	677	114	16	35	66.6	21	02	39.8	26.8	02	44	271	08	48	185	86
18	00	40	789	21	11	702	87	17	34	63.1	22	18	40.5	22.6	00	38	235	08	32	079	156
19	15	22	767	20	10	706	61	16	57	66.5	23	18	43.4	23.1	01	30	214	17	46	174	40
20	23	20	811	21	44	723	88	16	26	60.3	23	26	37.2	23.1	23	25	225	03	04	186	39
21	02	32	852	09	37	451	401	10	00	78.6	02	34	40.8	37.8	03	03	311	10	11	-081	392
22	01	52	786	06	00	586	200	06	14	63.5	05	51	31.0	32.5	03	27	261	05	59	020	241
23 Q	13	40	769	22	48	732	37	16	58	59.3	21	56	46.8	12.5	01	45	226	18	30	199	27
24	13	42	775	20	22	715	60	15	31	61.3	20	30	43.6	17.7	12	30	217	17	36	186	31
25	15	48	767	14	16	711	56	17	22	59.0	22	17	43.1	15.9	01	57	235	14	15	157	78
26	02	42	765	18	12	708	57	15	35	64.4	22	41	41.6	22.8	03	41	227	18	12	188	39
27 Q	01	45	790	19	58	698	92	16	49	63.4	21	54	40.5	22.9	01	52	246	10	12	157	69
28 Q	02	10	764	20	50	678	86	17	15	59.1	21	29	36.9	22.2	00	14	221	18	32	176	65
29	02	06	777	19	58	688	89	18	04	66.6	22	26	37.8	28.8	20	48	243	07	16	087	156
30	03	08	790	09	33	607	183	14	54	65.4	22	44	39.2	26.2	05	12	254	09	32	064	190
31																					
Mean			823			628	195			67.5			37.0	30.5			272			108	164
No. days			30			30	30			30			30	30			30			30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 139. Meanook. (H.) 12,000 γ + July, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	776	787	783	819	857	807	754	723	541	315	403	384	453	713	744	762	731	718	688	689	719	769	814	923	695
2	736	802	733	740	804	727	686	606	672	673	472	648	654	752	764	770	765	756	747	731	726	720	725	735	714
3 Q	734	736	739	748	757	744	750	742	744	745	741	743	747	754	764	763	757	741	731	716	712	715	719	733	741
4 D	741	767	776	764	800	790	773	717	618	608	565	507	265	140	632	750	779	745	725	708	726	696	729	761	670
5	777	763	769	784	867	803	743	732	731	738	739	742	704	588	548	666	699	713	731	724	729	723	716	735	728
6	745	748	766	779	839	747	681	732	684	618	736	717	602	609	715	742	735	724	729	722	712	712	718	731	719
7	748	755	745	741	751	756	743	738	737	741	745	759	736	733	745	744	731	726	715	712	721	750	728	731	739
8	735	761	758	750	755	752	739	732	749	752	735	713	650	703	731	758	750	738	721	713	715	717	723	734	733
9	745	746	740	732	745	738	741	743	743	743	739	740	739	732	739	738	713	706	718	704	692	709	810	826	738
10 D	891	792	830	748	801	727	549	663	645	692	727	688	718	667	670	757	754	684	650	674	701	714	718	774	718
11	821	812	817	774	742	727	735	745	744	759	766	773	776	785	784	774	766	756	743	738	734	738	742	744	762
12	748	756	747	737	737	740	736	741	745	747	749	752	760	768	771	770	760	738	717	712	713	717	722	734	742
13	749	757	753	749	756	755	756	757	759	761	762	761	771	764	751	753	747	733	725	719	731	755	829	786	756
14	767	918	1010	967	856	772	733	733	734	738	734	720	661	675	760	746	730	701	707	734	719	703	713	735	761
15 D	746	783	752	747	744	746	743	681	341	148	093	314	410	071	055	166	295	502	543	726	787	934	1136	1165	568
16 D	964	1020	725	721	720	708	701	697	555	255	350	533	420	715	753	724	711	721	707	727	687	727	752	745	681
17	738	786	758	741	746	727	607	719	733	739	717	732	740	750	748	753	756	738	708	722	721	708	716	722	730
18	728	731	731	730	731	741	736	740	739	739	733	730	727	759	754	757	741	737	731	730	722	727	729	741	736
19	797	774	740	739	743	746	743	735	723	665	611	634	718	756	775	772	757	738	714	719	706	705	720	723	727
20	757	754	759	756	758	782	743	740	747	756	753	742	736	760	775	766	757	743	732	731	722	730	732	744	749
21	736	784	767	749	747	745	753	747	746	755	739	727	768	748	759	777	767	751	738	735	725	717	727	722	747
22	757	759	757	749	747	745	744	755	753	744	751	743	758	766	759	753	756	733	751	740	723	727	735	739	748
23	768	746	763	769	762	752	745	731	724	737	721	740	745	738	756	757	731	713	718	721	719	734	748	757	742
24	775	760	747	741	742	744	746	747	749	750	748	749	713	714	744	746	728	710	701	700	709	719	738	762	737
25 Q	759	740	750	743	743	743	745	745	749	754	757	757	763	768	773	763	746	723	711	710	715	722	724	735	743
26 Q	746	754	753	752	749	746	746	747	746	750	752	736	726	718	717	732	735	724	717	715	716	718	731	741	736
27 Q	750	759	752	749	747	746	746	749	751	751	746	746	753	758	759	761	748	728	708	701	712	707	713	733	740
28 Q	749	752	748	748	749	746	749	749	748	750	752	757	765	768	759	746	722	697	675	684	698	717	731	739	737
29	748	757	754	754	756	759	760	765	762	737	764	747	735	686	764	777	737	721	740	744	728	723	782	742	748
30 D	796	837	864	807	801	734	617	340	410	363	581	399	547	727	810	805	779	761	750	714	744	760	773	764	687
31	720	714	706	696	708	713	717	720	721	703	711	721	739	744	751	747	739	720	709	704	706	703	704	716	718
Mean	766	778	768	759	766	749	724	716	695	669	674	682	677	688	720	735	730	721	713	717	719	730	752	764	725

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 140. Meanook. (D.) East. 25° + . . . ′ July, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	43.7	47.0	51.7	50.9	35.6	53.5	55.7	50.5	61.5	77.7	58.1	58.3	63.8	74.3	70.7	66.3	67.4	61.3	54.4	49.3	44.5	46.5	45.4	47.9	55.7
2	43.4	43.0	47.5	48.2	53.0	65.8	54.4	48.7	53.7	50.2	47.4	53.0	52.5	57.3	60.5	63.0	61.3	57.4	54.7	50.5	46.3	45.4	45.3	45.9	52.0
3 Q	46.2	48.8	50.0	50.0	50.7	61.4	54.7	50.8	48.4	48.5	46.9	50.0	53.5	56.4	58.8	60.3	60.7	60.5	54.8	49.8	46.4	46.1	44.7	44.2	51.8
4 D	45.3	46.4	48.9	51.7	50.5	45.5	46.3	47.1	51.0	50.9	59.9	64.0	95.1	106.8	82.9	78.1	73.4	70.7	65.0	60.5	56.5	46.1	39.2	41.4	59.3
5	43.7	42.8	43.5	44.5	50.9	47.9	48.7	50.0	50.3	50.3	50.4	48.4	52.3	53.5	61.1	59.8	58.0	56.2	53.6	45.9	43.8	42.5	43.7	44.8	49.4
6	44.5	44.9	44.5	48.1	51.9	54.7	50.4	55.8	51.5	49.5	49.7	51.0	60.6	64.1	61.0	64.0	68.2	66.7	57.6	55.0	52.9	48.7	46.0	46.6	53.7
7	48.1	48.1	50.3	50.6	50.9	52.4	52.6	48.0	46.4	47.8	49.5	50.2	51.9	58.2	61.5	60.7	57.6	55.6	50.7	46.9	46.6	45.5	43.5	44.5	50.8
8	45.8	47.6	52.1	53.3	52.7	50.6	50.2	58.4	50.6	47.3	52.4	51.0	61.0	67.6	63.8	61.8	59.1	57.1	52.3	48.7	44.3	43.7	43.7	46.2	52.6
9	48.0	51.0	55.0	53.6	53.3	55.1	57.7	52.1	49.5	50.2	50.6	54.1	58.7	61.8	65.6	66.4	65.5	58.0	54.7	50.4	47.3	41.6	40.3	40.5	53.4
10 D	47.9	48.7	51.2	51.4	52.0	51.1	47.0	54.5	57.4	54.9	52.8	53.5	56.4	63.9	68.8	67.5	64.3	65.7	50.2	42.4	41.3	41.7	44.9	48.5	53.2
11	55.1	56.8	58.0	56.7	56.5	55.3	53.1	52.3	52.4	48.9	48.0	48.3	51.4	56.3	62.9	63.7	64.4	61.0	54.4	48.5	45.6	45.6	46.3	47.6	53.7
12	48.8	49.3	51.7	52.4	53.8	52.4	51.8	51.7	51.8	51.9	52.7	54.6	56.2	56.9	61.4	65.4	68.4	62.5	56.0	50.1	46.9	45.1	44.6	44.9	53.4
13	45.1	47.1	48.2	48.5	48.4	49.1	50.1	51.1	51.4	52.2	53.8	55.1	57.9	62.6	65.5	67.8	69.3	64.0	57.1	52.3	48.1	41.8	40.6	47.4	53.1
14	39.8	36.6	40.9	34.0	50.9	47.9	46.4	46.2	48.0	51.2	50.5	49.6	48.5	54.0	59.0	65.7	67.6	66.4	57.8	49.9	45.1	41.8	40.6	44.5	49.3
15 D	47.8	50.7	52.0	56.5	53.2	59.6	54.2	54.3	83.7	80.3	105.9	48.0	59.0	78.9	79.3	92.8	92.0	86.8	76.0	71.3	70.3	73.9	68.1	51.1	68.6
16 D	50.2	55.0	52.4	52.9	55.2	52.7	47.4	58.5	56.1	29.7	57.1	53.9	58.5	57.8	61.0	69.4	72.3	70.3	60.7	57.7	44.3	47.8	48.0	49.2	54.9
17	48.9	49.5	54.2	53.2	53.3	53.7	51.9	53.1	49.5	48.0	46.3	50.8	54.6	57.0	58.5	61.3	60.1	58.0	56.4	48.2	46.3	46.1	45.6	46.6	52.1
18	48.0	49.6	51.2	51.1	51.0	52.0	52.3	51.6	50.8	49.5	48.5	50.1	53.8	59.0	62.3	67.2	64.9	64.8	62.7	57.0	50.2	46.9	47.2	47.1	53.7
19	44.7	49.6	51.8	50.3	50.5	50.9	51.2	52.4	53.8	53.2	61.0	57.7	59.9	61.1	62.4	64.0	61.4	59.5	55.6	51.0	46.4	45.1	43.7	44.5	53.4
20	44.8	49.2	50.7	51.6	51.4	50.4	52.2	59.4	60.0	55.4	50.8	49.5	55.5	60.4	62.6	64.8	64.6	61.8	54.4	49.5	45.6	45.7	45.5	44.7	53.4
21	47.2	50.2	53.8	52.0	52.5	54.6	53.5	51.2	50.2	48.1	46.1	46.1	52.6	57.7	63.7	62.7	63.4	60.0	56.6	52.3	50.4	48.0	46.8	47.4	52.8
22	49.1	51.6	53.2	54.6	53.8	52.3	55.8	60.3	48.3	49.8	49.4	46.2	51.8	56.9	58.4	59.0	60.8	58.3	48.3	47.8	46.9	46.5	47.2	48.5	52.3
23	48.0	51.3	52.4	52.8	50.2	49.3	49.5	49.5	51.6	49.1	46.3	49.4	52.8	56.4	61.9	63.8	58.1	56.2	55.2	55.2	52.3	46.9	45.1	44.0	52.0
24	44.5	46.5	50.0	49.4	47.8	47.6	48.4	48.9	49.9	49.5	47.8	49.0	50.2	58.5	63.6	66.8	63.8	57.5	49.1	43.5	41.7	42.0	43.6	43.9	50.2
25 Q	46.5	49.4	50.4	49.2	48.4	49.0	49.2	49.3	49.5	49.4	50.0	50.5	53.8	56.6	60.0	62.0	62.3	57.1	51.9	46.0	43.9	43.9	44.7	46.3	50.8
26 Q	48.0	49.4	49.8	48.7	48.2	48.0	48.0	48.3	48.0	49.5	50.0	50.2	55.2	55.1	56.7	60.5	61.9	58.0	53.3	49.1	46.1	42.8	42.7	44.5	50.5
27 Q	47.2	48.5	49.5	49.0	49.0	49.8	49.5	49.7	49.6	49.5	51.2	52.4	55.5	59.0	62.7	63.5	63.6	59.0	55.6	49.4	44.6	42.5	41.6	44.6	51.5
28 Q	46.2	48.7	49.5	49.3	49.2	49.2	49.0	49.1	50.2	50.8	51.4	52.2	54.1	56.7	59.0	61.5	62.1	59.5	53.7	45.5	41.1	41.1	41.8	42.5	50.6
29	44.2	46.4	48.8	48.8	48.5	48.3	48.3	49.7	48.6	48.5	52.3	49.3	55.3	54.9	65.5	65.5	65.3	58.7	47.2	43.4	43.4	41.1	42.3	42.8	50.3
30 D	42.7	48.0	43.5	47.8	46.4	-15.7	17.0	68.4	54.1	69.1	45.4	60.0	60.7	68.4	60.8	66.5	67.5	63.2	54.0	57.1	49.8	47.8	47.3	43.6	50.6
31	43.8	48.0	48.9	51.1	52.4	52.1	51.4	50.4	50.5	50.7	49.7	50.2	52.9	56.9	61.7	64.3	68.4	64.5	59.2	52.7	49.0	46.5	46.3	46.9	52.8
Mean	46.4	48.4	50.2	50.4	50.7	49.9	49.9	52.3	52.5	52.0	52.6	51.8	56.7	61.4	63.3	65.4	65.1	61.8	55.6	50.9	47.4	45.7	45.0	45.6	53.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 141. Meanook. (Z.) 59,000 γ + July, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	228	242	257	265	277	253	244	191	-072	-212	016	192	129	126	178	219	209	221	233	238	248	286	333	325	193
2	241	257	238	229	254	166	185	159	172	146	078	128	124	207	216	220	216	212	204	197	197	204	213	221	195
3 Q	222	219	213	211	218	199	180	208	206	204	184	198	211	210	208	200	200	202	203	201	201	198	198	205	204
4 D	211	219	232	241	275	263	232	196	173	171	113	075	-010	-065	096	182	224	199	203	221	283	322	273	224	190
5	236	231	249	266	252	237	231	220	216	214	213	213	184	072	055	114	165	201	215	214	212	218	218	222	203
6	217	218	218	234	274	152	157	196	116	095	170	170	040	028	134	188	207	216	213	223	227	230	229	230	182
7	224	220	211	213	217	227	223	211	205	207	209	211	198	192	204	212	206	202	199	202	222	239	247	249	215
8	236	240	244	242	232	228	219	202	220	202	150	157	089	115	157	189	196	204	213	214	211	213	214	214	200
9	214	214	212	208	212	218	217	215	216	214	212	211	211	202	193	198	197	200	204	211	210	215	247	271	213
10 D	350	326	323	245	249	198	115	201	204	204	206	187	206	142	147	207	205	186	188	192	226	228	231	264	218
11	289	279	263	250	236	233	226	222	217	228	236	242	234	241	233	224	219	217	207	200	193	201	206	214	230
12	215	215	207	210	211	215	215	214	214	214	214	213	213	212	211	213	209	207	196	196	199	202	207	214	210
13	215	216	213	210	214	214	213	211	209	208	209	212	216	209	210	208	204	200	202	206	206	210	232	251	212
14	303	367	319	305	244	234	224	212	210	210	210	206	153	152	218	227	220	215	208	209	228	226	228	237	232
15 D	249	274	256	258	233	231	194	141	-041	145	375	267	273	174	022	-065	018	164	255	422	373	370	364	263	217
16 D	291	272	266	269	272	233	233	229	199	231	165	079	121	151	189	221	215	217	227	255	251	257	266	266	224
17	239	263	271	259	257	234	136	221	240	231	215	241	249	249	238	239	237	233	229	230	233	235	238	237	236
18	238	233	224	222	225	230	223	218	223	222	219	219	218	225	225	218	218	217	216	220	228	236	245	250	226
19	268	269	248	230	230	229	223	193	190	117	077	146	186	218	238	237	232	221	218	223	228	229	236	228	213
20	235	240	237	241	241	257	217	202	198	205	217	208	199	209	218	210	203	201	207	211	223	237	248	270	222
21	271	277	264	248	241	239	226	217	214	213	177	161	213	190	194	212	220	214	224	235	237	248	252	251	228
22	257	253	239	236	236	226	218	190	209	193	205	205	215	208	204	204	208	205	204	207	219	230	235	242	219
23	253	251	257	261	265	275	250	217	196	205	192	215	218	215	216	220	210	201	203	212	221	232	245	256	228
24	260	248	241	221	211	208	205	203	196	201	190	179	134	115	150	185	195	197	199	198	203	207	210	218	199
25 Q	222	219	219	211	205	204	203	202	203	203	203	203	202	197	197	198	202	195	191	193	194	197	200	204	203
26 Q	209	212	213	209	207	205	200	198	191	186	191	174	140	124	111	120	138	154	162	179	199	211	213	210	182
27 Q	208	208	209	203	203	206	206	205	199	201	202	202	201	199	200	208	209	205	200	197	203	206	212	218	205
28 Q	221	222	213	207	208	208	207	207	207	209	210	213	217	217	211	205	203	204	203	202	206	213	218	219	210
29	219	221	215	210	210	212	213	210	211	137	163	160	123	097	163	191	183	163	174	193	196	210	240	242	190
30 D	263	293	330	315	300	228	293	414	395	502	408	285	190	182	243	256	236	214	220	220	247	270	312	301	288
31	291	266	224	225	220	219	216	218	207	173	186	197	215	217	218	216	209	203	201	196	197	205	209	220	214
Mean	245	248	243	237	236	222	211	211	192	190	194	192	178	169	184	196	200	203	207	217	223	232	239	240	213

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 142. Meanook. July, 1938.

Day	Horizontal Intensity						Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +		Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	23	27	984	09	15	112	872	09	23	125.4	04	50	22.0	103.4	11	48	429	09	33	-321	750
2	04	39	838	10	30	418	420	05	11	72.6	07	15	37.3	35.3	04	34	301	07	12	-039	340
3 Q	15	45	768	20	56	710	58	05	30	70.5	23	30	43.9	26.6	05	21	251	05	58	131	120
4 D	16	17	832	13	20	029	803	12	52	157.8	21	38	22.7	135.1	21	57	353	13	38	-279	632
5	04	11	947	13	50	348	599	14	03	72.0	13	51	37.8	34.2	03	59	300	13	59	-139	439
6	04	37	865	09	05	354	511	13	11	75.0	09	13	18.2	56.8	04	18	296	09	04	-164	460
7	05	20	766	19	09	697	69	14	40	62.3	23	04	42.6	19.7	23	20	250	13	05	185	65
8	01	45	770	12	40	614	156	13	24	72.4	21	46	42.6	29.8	03	40	248	12	38	059	189
9	23	51	893	20	38	680	213	15	11	68.1	23	29	36.1	32.0	24	00	339	16	05	188	151
10 D	00	30	975	05	57	326	649	17	51	75.0	06	41	22.3	52.7	02	15	385	06	34	015	370
11	02	50	834	05	26	716	118	16	02	65.7	20	53	44.4	21.3	03	42	310	20	22	191	119
12	15	08	778	20	52	709	69	16	31	70.4	22	21	43.9	26.5	12	46	220	03	26	186	34
13	22	15	843	19	17	716	127	16	54	72.9	22	34	36.7	36.2	23	44	264	21	46	199	65
14	02	12	1120	12	52	588	532	16	02	70.6	03	31	15.8	54.8	02	07	411	12	52	067	344
15 D	23	32	1205	10	39	-323	1528	10	39	160.2	11	13	01.5	158.7	10	49	479	15	28	-284	763
16 D	01	16	1023	09	28	037	986	10	36	121.9	09	54	-26.0	147.9	09	21	458	09	47	003	455
17	01	50	795	06	36	492	303	06	17	66.5	06	42	38.2	28.3	02	37	290	06	29	020	270
18	13	54	791	23	00	712	79	15	26	68.5	21	58	45.9	22.6	24	00	260	07	36	208	52
19	00	32	806	10	38	565	241	09	27	68.5	22	16	42.6	25.9	00	26	271	10	22	168	103
20	05	33	811	06	37	698	113	07	59	70.7	23	31	42.1	28.6	23	49	283	06	33	139	144
21	01	06	794	11	14	685	109	14	24	66.5	11	05	40.9	25.6	01	00	287	11	17	098	189
22	13	00	771	19	58	721	50	06	57	79.2	11	18	42.3	36.9	00	47	261	07	03	142	119
23	22	40	784	07	58	691	93	15	58	64.9	06	21	41.8	23.1	05	18	276	07	43	169	107
24	01	45	782	13	00	688	94	15	27	67.7	21	06	39.9	27.8	00	37	270	15	08	082	188
25 Q	14	02	774	19	00	708	666	16	03	63.4	20	12	43.7	19.7	00	33	234	18	15	189	45
26 Q	01	56	756	14	00	706	50	16	28	63.6	22	03	41.5	22.1	02	09	216	14	48	106	110
27 Q	15	00	768	21	48	693	75	16	33	65.5	22	02	39.9	25.6	23	17	220	08	35	180	40
28 Q	12	41	769	18	48	669	100	17	15	66.1	21	12	41.0	25.1	00	56	226	19	30	199	27
29	22	42	806	13	23	660	146	16	17	68.4	18	51	39.9	28.5	22	41	250	13	24	054	196
30 D	01	53	906	07	25	081	825	09	13	113.3	05	53	-54.7	168.0	08	36	714	05	50	-065	779
31	14	46	752	19	46	698	54	16	28	69.6	21	51	45.7	23.9	00	31	313	09	43	143	170
Mean			849			523	326			79.8			31.7	48.1			312			059	253
No. days			31			31	31			31			31	31			31			31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 143. Meanook. (H.) 12,000 γ + August, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	735	739	753	753	746	747	758	738	709	550	506	615	648	607	587	651	686	751	774	768	783	788	836	950	716
2	969	920	996	983	1083	854	700	710	677	719	739	736	719	700	680	719	693	674	691	716	721	802	819	817	785
3 D	843	864	769	747	724	732	739	730	737	740	736	741	746	750	751	746	720	735	722	712	722	769	1111	1077	778
4 D	969	791	765	737	737	789	858	337	199	226	554	632	516	506	674	721	750	735	716	699	749	792	837	899	674
5	991	832	920	947	975	832	865	661	727	734	727	696	611	640	530	605	641	661	741	759	727	764	753	769	754
6	823	788	762	781	746	743	736	715	620	612	624	708	743	718	696	717	699	714	717	726	744	749	759	744	724
7	762	763	762	774	762	742	744	658	637	698	711	688	709	741	729	683	680	703	704	716	716	725	728	729	719
8	728	737	737	740	741	739	745	741	741	749	742	740	714	713	734	731	717	695	689	686	697	699	717	725	725
9	746	748	748	751	747	747	748	747	722	751	750	752	755	754	744	739	726	704	702	707	709	721	718	733	736
10	733	752	736	768	748	772	814	766	728	736	752	760	772	776	774	764	736	717	716	716	717	716	717	725	746
11 D	757	751	734	776	769	771	777	760	512	400	298	408	563	469	306	360	633	715	778	763	751	743	728	704	634
12	733	740	722	736	746	739	734	729	733	738	745	749	754	754	755	743	714	711	703	695	699	717	723	727	731
13	710	724	737	742	735	734	731	735	741	742	744	749	750	742	731	722	709	701	706	718	714	719	732	741	730
14	738	737	738	741	744	745	746	747	750	755	756	758	761	755	744	730	718	704	693	700	710	729	742	753	737
15 Q	749	740	740	745	746	746	745	747	749	752	752	754	756	756	751	736	708	695	685	688	699	716	721	733	734
16 Q	737	736	747	749	748	746	746	748	749	749	748	746	751	757	757	743	724	708	704	713	724	734	739	739	739
17	738	739	743	745	750	750	754	756	759	762	759	762	748	715	728	747	749	729	708	699	706	719	732	757	740
18 Q	750	731	742	737	741	743	746	747	751	752	748	752	757	761	766	765	756	736	717	716	715	727	744	745	744
19	754	760	754	751	750	754	756	751	750	742	744	743	744	749	754	748	727	701	714	715	706	715	728	736	739
20 Q	734	741	747	748	749	754	748	749	755	759	753	754	760	765	764	752	726	709	709	711	719	726	735	743	742
21	742	746	752	750	750	757	759	755	754	758	761	759	741	754	762	750	718	667	652	675	710	735	730	730	736
22 D	732	734	757	751	742	740	741	741	744	742	745	750	749	743	705	702	696	715	710	704	710	723	722	737	731
23 D	748	767	794	829	817	807	748	777	784	044	415	782	794	787	777	774	741	735	723	717	724	734	746	747	721
24	744	737	737	733	732	732	736	739	744	747	751	746	745	747	749	744	725	716	707	712	725	728	751	806	739
25	784	763	764	762	760	767	755	741	737	740	740	739	739	739	736	724	698	685	691	703	718	727	733	744	737
26	743	729	741	742	742	748	747	745	744	744	743	742	741	742	746	738	715	700	700	706	708	735	738	738	734
27 Q	742	742	751	750	748	747	747	749	751	739	758	754	754	754	751	737	721	713	702	703	705	717	730	739	738
28	748	747	746	755	753	753	752	754	758	762	761	764	758	762	760	750	730	711	715	712	702	699	716	747	742
29	758	743	741	754	755	757	756	754	749	749	772	759	747	760	757	752	729	697	673	682	702	703	731	758	739
30	767	750	768	865	758	761	745	742	746	680	678	734	741	740	745	753	733	710	703	706	709	721	725	735	738
31	748	758	753	752	756	745	723	735	739	708	716	714	731	765	764	756	742	722	711	712	718	730	739	745	737
Mean	773	760	763	771	768	758	755	726	710	680	701	725	726	723	716	719	715	709	709	712	718	733	754	767	733

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 144. Meanook. (D.) East. 25° + . . . ′ August, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	52.7	54.2	53.4	52.2	52.7	52.7	53.3	55.4	57.6	61.4	60.0	61.9	72.7	78.9	77.9	71.6	55.2	46.5	46.6	56.5	53.5	48.5	54.3	57.5
2	53.0	50.7	53.3	32.5	27.5	49.3	52.0	48.9	49.6	48.5	46.9	45.3	50.6	54.1	57.6	61.1	60.4	54.2	56.6	54.8	51.7	49.0	46.1	40.4	49.8
3 D	39.1	45.0	45.4	42.6	44.5	44.8	45.1	46.7	47.0	47.7	48.4	50.6	53.0	56.6	58.5	60.4	59.4	63.0	53.1	47.2	46.8	53.9	89.1	53.0	51.7
4 D	36.3	39.0	41.1	40.3	42.0	41.2	19.3	26.2	38.6	66.1	53.0	54.5	63.3	73.7	73.5	76.0	69.3	62.5	53.0	50.1	47.6	47.2	45.5	44.5	50.2
5	40.9	42.8	44.1	45.4	33.8	43.3	38.2	37.9	48.2	44.8	46.2	48.6	50.3	56.1	60.6	55.1	52.2	55.2	58.9	54.2	48.3	46.5	46.3	45.8	47.6
6	48.2	47.6	44.6	53.4	50.9	47.6	47.9	44.6	44.7	50.1	46.6	51.5	53.4	54.8	55.3	57.7	59.9	53.3	50.1	45.2	45.3	45.3	45.8	47.7	49.6
7	47.8	48.7	49.9	48.6	55.9	50.4	52.5	50.7	58.2	55.1	52.4	50.6	56.4	58.4	57.2	59.2	56.3	51.7	46.0	43.0	44.0	44.3	45.9	47.1	51.3
8	49.3	49.4	49.8	49.9	53.0	51.6	49.4	49.2	48.5	48.3	48.6	50.1	52.4	56.2	59.6	61.2	61.0	58.2	55.9	47.5	46.0	45.3	44.8	46.6	51.3
9	48.0	48.1	49.1	50.0	48.0	46.6	47.3	48.1	44.6	49.9	50.5	51.9	54.2	57.9	59.5	60.8	60.6	57.7	52.5	49.7	47.0	45.3	44.4	45.3	50.7
10	47.6	46.7	48.3	45.5	48.7	42.7	49.4	53.0	46.4	51.0	52.0	55.5	58.3	63.8	64.5	65.7	68.0	58.0	54.0	47.6	42.1	42.8	44.6	46.2	51.8
11 D	48.3	50.3	51.2	55.1	54.4	54.2	51.5	55.3	60.1	70.9	39.5	72.7	63.7	89.0	95.9	75.6	73.0	61.0	62.5	49.3	45.1	42.3	40.2	44.2	58.6
12	46.2	49.7	50.2	48.7	46.9	48.3	48.8	51.7	51.0	52.4	52.3	54.3	56.5	58.5	60.3	63.3	64.1	58.4	53.5	47.4	44.7	44.9	46.8	49.8	52.0
13	52.8	53.9	51.8	51.9	56.2	48.0	48.8	49.3	49.0	50.6	51.9	52.7	54.8	58.6	62.2	65.0	65.8	60.4	51.9	45.6	43.1	40.4	42.9	46.1	52.2
14	49.2	49.6	49.1	49.0	49.1	49.2	49.9	50.2	50.9	51.2	51.5	52.3	54.9	57.5	61.5	65.2	66.0	61.4	51.6	44.4	38.7	39.1	40.7	45.3	51.2
15 Q	48.6	51.5	51.3	50.8	50.9	50.4	50.4	50.6	50.9	51.3	52.1	53.8	56.1	58.7	61.4	64.7	63.6	61.1	55.0	50.3	47.2	46.3	46.5	48.5	53.0
16 Q	51.5	52.8	51.3	51.1	50.9	50.5	51.5	51.3	51.0	51.4	52.7	55.1	57.4	59.8	61.1	64.2	62.8	58.7	53.5	49.0	46.1	44.8	45.1	48.2	53.0
17	50.6	51.6	51.5	50.7	50.3	50.2	50.6	54.5	54.7	52.5	50.4	52.7	54.1	56.3	61.9	61.1	59.7	56.2	52.6	49.8	44.5	42.7	42.4	43.7	51.9
18 Q	47.1	47.5	51.2	51.8	51.7	52.7	53.0	51.9	52.5	52.8	52.0	51.7	53.7	57.3	60.4	63.9	66.8	65.3	61.5	54.7	51.6	49.7	49.3	49.5	54.2
19	50.5	51.4	52.5	51.9	50.3	51.2	51.2	51.2	51.3	52.3	54.1	53.7	56.3	60.3	64.9	65.0	62.1	58.2	50.2	50.2	49.3	47.3	48.3	49.5	53.5
20 Q	51.5	51.4	51.4	51.2	51.3	51.9	53.3	54.4	52.4	51.4	50.3	54.7	57.7	60.8	63.5	64.9	64.2	60.9	53.6	48.8	47.9	47.3	47.5	48.4	53.8
21	48.9	48.7	48.6	49.1	49.4	49.6	49.1	50.1	51.9	52.8	53.9	54.6	55.2	63.3	65.1	65.1	69.4	67.8	53.3	38.7	38.2	45.1	48.6	50.4	52.8
22 D	51.8	52.4	52.0	52.2	52.7	52.2	52.2	52.5	52.7	53.0	54.4	56.3	58.8	61.2	62.3	58.7	62.8	51.8	55.8	54.7	37.0	43.7	43.2	47.0	53.0
23 D	48.9	51.5	53.5	53.7	53.1	50.4	48.8	48.2	45.6	41.6	82.7	63.4	59.9	64.3	67.8	65.7	61.0	55.3	50.9	47.6	48.5	49.1	51.8	53.0	54.8
24	54.1	53.8	52.6	52.5	52.8	52.8	53.0	54.1	54.2	54.7	54.6	55.4	60.2	61.5	65.8	66.2	63.8	61.7	56.1	53.7	52.0	50.3	47.6	45.3	55.4
25	46.9	49.7	48.2	51.5	48.7	47.8	48.9	51.1	53.0	54.8	56.4	58.2	60.9	64.4	66.9	66.7	65.6	56.0	51.5	47.9	48.5	48.1	49.2	51.5	53.8
26	52.7	52.8	51.9	51.8	51.8	51.8	52.3	52.4	53.7	54.3	54.7	56.1	57.6	60.3	63.2	65.1	66.6	63.8	57.3	52.4	47.3	46.8	48.6	50.1	54.8
27 Q	51.1	51.5	51.3	51.5	52.3	52.3	53.1	53.6	55.9	54.6	55.9	55.9	58.7	61.8	65.6	69.9	69.0	65.5	58.8	53.4	48.0	46.3	46.4	48.1	55.4
28	49.9	51.4	51.5	50.6	51.3	51.7	52.4	53.3	53.4	54.2	55.5	57.8	58.6	61.1	63.2	64.7	64.7	65.5	55.6	51.7	49.4	45.9	45.8	46.4	54.4
29	46.9	49.1	52.4	51.8	52.0	51.5	52.4	55.6	54.9	54.1	56.7	55.4	54.0	59.1	64.4	66.8	67.7	69.6	62.5	50.9	48.8	45.8	48.8	49.5	55.0
30	50.6	54.2	54.2	52.8	69.0	56.8	52.8	53.2	55.0	50.5	55.3	57.6	57.2	61.2	62.9	62.5	63.3	62.9	59.7	54.7	47.9	46.9	47.7	47.9	55.7
31	51.1	51.8	54.9	53.5	53.7	56.4	58.6	58.8	58.9	58.9	53.4	50.1	51.0	59.2	61.8	62.2	62.9	61.4	57.7	53.0	51.3	50.9	51.1	52.9	55.6
Mean	48.7	49.9	50.4	49.8	50.2	50.0	49.6	50.4	51.4	52.9	53.1	54.6	56.5	61.2	64.1	64.6	64.0	59.7	54.6	49.5	46.8	46.3	47.7	47.9	53.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 145. Meanook. (Z.) 59,000 γ + August, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	230	240	240	238	239	238	232	206	193	183	123	107	114	079	090	112	146	212	238	213	248	291	320	348	203
2	314	316	306	024	001	244	203	191	147	204	212	212	208	203	195	223	209	190	212	251	275	288	282	288	217
3 D	321	295	260	248	229	229	226	214	213	209	208	210	212	215	209	201	191	190	181	185	207	239	331	323	231
4 D	292	294	282	243	255	247	102	405	189	154	299	351	303	174	210	214	222	227	237	239	286	296	290	325	256
5	282	278	293	303	201	146	252	203	211	227	201	177	126	137	073	095	130	177	231	245	255	279	257	262	210
6	290	249	272	281	272	259	240	196	143	120	099	171	187	217	227	212	193	201	213	225	232	236	244	255	218
7	261	252	249	252	194	203	225	115	045	125	143	157	183	181	185	152	145	158	183	206	220	217	214	218	187
8	222	221	221	222	224	223	215	214	211	212	205	203	191	180	189	196	197	195	191	194	199	204	209	215	206
9	217	211	212	209	203	203	203	202	161	191	197	198	200	198	195	186	186	186	180	181	188	194	201	207	196
10	210	215	209	216	224	224	234	182	180	169	174	164	189	193	196	195	194	183	180	184	193	196	205	215	197
11 D	241	245	231	236	231	233	211	170	164	124	329	515	478	485	390	137	199	217	236	230	229	235	264	268	262
12	257	251	236	231	228	225	214	212	211	215	222	222	227	226	219	213	208	206	207	208	210	213	221	227	221
13	225	226	226	223	223	213	211	211	210	209	211	212	215	211	205	201	195	195	194	199	196	196	203	207	209
14	207	206	202	202	201	201	200	200	198	198	199	203	204	201	195	189	184	179	174	182	192	196	206	215	197
15 Q	212	201	193	192	188	186	184	185	186	187	186	188	191	190	188	184	181	180	182	180	184	192	195	197	189
16 Q	196	189	194	195	194	188	187	186	184	183	182	183	183	182	186	190	189	181	174	170	179	185	184	184	185
17	182	184	188	183	183	183	183	178	173	170	152	149	158	115	115	139	163	180	186	191	196	207	217	225	175
18 Q	226	222	213	204	199	194	191	187	181	176	180	181	187	189	187	186	181	169	171	179	183	187	193	192	190
19	189	192	195	196	203	215	222	200	182	140	118	131	145	156	168	169	169	167	166	168	174	188	198	201	177
20 Q	194	191	184	181	181	191	199	191	187	180	164	162	183	185	182	175	171	166	166	175	181	190	193	192	182
21	187	188	184	179	181	180	183	188	187	187	186	180	164	142	166	171	175	170	180	194	196	200	202	199	182
22 D	193	192	202	213	210	200	189	182	180	177	170	183	188	190	157	134	146	143	154	165	186	188	189	201	180
23 D	210	236	247	279	225	142	135	210	202	-089	-102	160	200	205	180	189	176	181	198	200	203	206	210	206	175
24	197	197	196	193	192	194	193	193	192	191	191	190	191	192	192	192	184	185	182	184	195	196	213	233	194
25	258	248	267	256	244	236	228	208	198	197	196	196	196	194	187	182	180	180	188	200	200	202	204	216	211
26	215	203	207	205	202	201	202	200	201	200	197	194	190	189	193	201	203	200	198	196	203	209	219	227	202
27 Q	226	218	212	211	210	206	205	206	201	161	186	202	204	204	203	203	200	194	193	195	198	206	211	215	203
28	211	206	201	200	201	203	200	198	197	193	187	182	188	191	192	194	193	183	180	181	183	186	199	211	194
29	223	221	219	210	213	204	205	144	129	155	181	183	173	186	190	191	198	194	187	187	200	208	211	227	193
30	246	254	267	302	167	224	213	204	201	106	089	121	185	195	194	207	212	204	200	206	209	209	208	210	201
31	213	218	224	222	225	177	161	177	153	119	142	161	174	205	204	205	211	214	218	221	225	225	226	231	198
Mean	230	228	227	218	205	207	202	198	181	167	175	195	198	194	189	182	185	187	193	198	207	215	223	230	201

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 146. Meanook. August, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	23	53	1101	10	28	361	740	14	34	86.6	18	37	43.6	43.0	23	54	404	10	26	020	384
2	03	08	1263	08	02	608	655	02	44	67.4	04	03	-10.7	88.1	00	00	372	04	41	-165	537
3 D	22	43	1367	17	02	698	669	22	17	112.9	23	59	27.0	85.9	22	14	440	18	54	173	267
4 D	23	59	1194	09	11	-172	1366	09	08	120.5	08	45	-48.4	168.9	07	56	745	08	35	-510	1255
5	04	17	1069	14	36	450	619	14	48	73.1	04	21	21.4	51.7	03	52	347	14	33	009	338
6	03	10	827	08	54	528	299	03	39	67.6	07	58	39.0	29.6	03	34	316	08	53	072	244
7	04	39	878	07	43	413	465	04	39	85.9	07	42	33.5	52.4	03	53	265	07	44	-062	327
8	03	54	766	19	44	678	88	16	14	62.6	22	08	43.3	19.3	04	34	229	13	15	173	56
9	12	41	762	08	42	693	69	14	42	64.0	08	41	39.1	24.9	00	24	220	08	46	127	93
10	06	26	865	08	50	626	239	16	20	70.9	06	30	38.4	32.5	06	33	251	08	48	103	148
11 D	08	14	875	14	55	101	774	14	32	148.8	10	31	-08.9	157.7	12	12	657	15	44	011	646
12	14	33	781	18	06	667	114	16	36	66.2	22	08	42.9	23.3	00	54	263	17	30	200	63
13	03	41	774	17	12	699	75	16	26	66.9	21	35	39.7	27.2	02	09	243	19	00	192	51
14	12	33	766	17	49	688	78	16	19	67.2	20	14	37.8	29.4	23	34	219	18	14	172	47
15 Q	13	20	758	18	00	684	74	16	22	65.7	21	47	45.6	20.1	00	00	216	20	04	178	38
16 Q	13	25	760	17	50	704	56	15	53	65.3	21	54	44.4	20.9	00	00	198	19	27	169	29
17	10	00	765	20	00	697	68	14	58	64.0	21	53	42.0	22.0	23	10	226	13	32	101	125
18 Q	14	06	769	19	36	712	57	16	43	67.9	00	16	46.0	21.9	00	32	233	17	52	168	65
19	02	50	765	17	36	694	71	14	44	66.3	21	07	46.4	19.9	06	04	229	10	47	107	122
20 Q	13	47	768	17	28	703	65	15	46	65.5	21	38	46.4	19.1	06	12	209	10	57	151	58
21	13	44	778	18	12	632	146	17	07	71.5	19	52	33.6	37.9	20	40	205	13	08	121	84
22 D	23	36	768	16	32	644	124	16	31	76.2	20	20	31.2	45.0	13	57	230	15	17	121	109
23 D	05	44	861	09	30	-013	874	09	47	118.3	09	38	-34.1	152.4	03	30	298	09	18	-494	792
24	23	17	850	16	48	688	162	14	14	69.2	23	14	41.5	27.7	23	20	246	16	55	162	84
25	00	33	813	16	46	682	131	16	29	68.5	02	28	44.2	24.3	02	46	293	17	42	172	121
26	05	45	759	17	46	695	64	16	14	68.0	21	53	46.2	21.8	23	40	230	13	30	189	41
27 Q	13	49	762	18	53	699	63	16	04	72.2	21	55	45.7	26.5	00	02	231	09	37	110	121
28	11	16	768	22	03	692	76	17	33	71.9	21	33	42.2	29.7	24	00	225	20	00	175	50
29	23	55	795	18	19	647	148	18	17	71.6	21	20	43.7	27.9	24	00	256	08	06	079	177
30	03	46	953	09	43	623	330	04	53	83.2	03	18	44.7	38.5	03	31	327	08	42	031	296
31	14	02	769	09	58	675	94	09	09	65.7	11	55	45.0	20.7	05	15	239	08	56	101	138
Mean			863			577	286			77.2			32.0	45.2			292			070	222
No. days			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 + September, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	746	740	741	750	747	745	743	744	697	746	752	750	750	750	750	751	739	721	725	728	721	728	739	744	740
2	742	751	753	746	749	750	753	754	753	754	759	758	753	760	770	767	752	731	722	719	723	724	735	744	747
3	758	736	743	750	746	740	743	729	665	511	509	437	516	661	731	754	741	719	719	722	719	730	756	738	690
4	735	740	738	743	738	739	737	738	739	738	733	753	758	759	755	738	715	721	713	719	736	737	742	747	738
5	750	751	769	752	745	748	748	736	701	634	681	700	745	757	718	680	709	722	706	705	709	722	732	736	723
6 Q	735	738	738	738	738	739	738	738	739	744	748	749	747	749	748	736	715	696	691	702	716	726	739	745	733
7	743	742	744	746	757	758	767	755	758	756	758	758	750	746	747	741	704	704	703	707	711	711	731	742	739
8	749	734	747	746	753	752	750	748	746	744	724	745	748	741	737	725	709	712	708	711	727	734	740	744	736
9	744	747	747	749	750	750	750	751	752	751	754	736	732	762	771	758	740	722	721	713	720	728	733	731	742
10	736	740	739	744	754	714	739	725	666	666	745	680	666	730	754	740	725	729	723	720	722	726	732	738	723
11	741	742	742	741	750	749	750	750	751	752	757	691	625	694	730	736	730	717	697	686	712	736	738	745	728
12	741	735	746	743	745	742	716	737	748	734	727	710	718	746	751	740	724	717	699	700	707	730	732	732	730
13	744	738	754	753	741	746	744	734	724	712	732	761	766	767	761	751	729	722	724	706	706	747	748	794	742
14 D	761	746	812	811	929	736	691	684	674	626	617	651	548	683	562	629	419	517	619	636	682	832	949	1005	701
15 D	994	963	898	758	863	677	618	598	-295	-033	045	-040	-470	-287	-104	-026	592	734	690	703	703	766	786	774	454
16	777	792	771	790	783	767	749	739	730	721	726	725	730	720	705	715	709	704	691	675	677	709	747	765	734
17	732	716	747	757	764	743	742	706	676	724	740	734	721	698	676	686	712	717	722	723	723	720	718	717	721
18	721	736	729	725	730	736	738	743	738	737	737	738	742	724	729	735	717	718	717	714	715	715	714	716	728
19 Q	712	719	726	732	730	728	734	720	734	734	739	741	740	740	743	738	725	718	709	715	709	716	725	721	727
20	717	728	740	732	741	763	773	790	596	509	772	741	740	732	744	738	729	730	730	728	736	743	738	740	726
21	735	736	740	740	739	744	744	745	743	752	749	748	740	730	738	734	713	706	717	726	730	752	740	713	736
22	717	727	740	732	741	763	773	790	596	509	772	741	740	732	744	738	729	730	730	728	736	743	738	740	726
23	737	756	743	743	751	781	912	846	787	755	752	742	749	751	752	744	728	708	699	704	715	732	726	739	752
24 Q	738	744	746	746	744	743	746	744	746	745	747	743	738	748	748	737	733	726	725	716	718	723	724	725	737
25 Q	732	737	742	744	746	746	746	746	748	750	746	748	737	731	737	736	731	719	707	709	719	735	726	731	736
26 D	761	760	761	760	760	781	753	654	276	427	300	255	386	335	566	633	589	644	620	649	674	747	790	866	614
27 D	809	743	761	806	787	717	723	494	486	338	455	573	516	570	636	661	711	708	705	705	717	732	857	760	665
28 D	923	1285	778	764	868	756	731	655	516	589	695	715	714	667	715	722	692	700	690	692	696	695	695	705	736
29	707	706	720	727	727	754	572	709	659	538	298	549	626	594	683	663	687	726	718	716	728	736	738	731	667
30	724	725	726	737	738	750	738	742	733	732	728	707	623	713	661	751	744	738	694	619	771	769	720	788	724
31																									
Mean	755	765	753	750	762	745	739	725	653	646	666	668	653	673	692	698	703	709	704	703	716	735	748	754	713

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 148. Meanook. (D.) East. 25° + . . . ′ September, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	54.8	54.9	54.0	53.8	55.0	56.6	54.5	54.4	51.1	59.9	56.8	56.4	57.5	60.6	64.2	64.3	65.5	66.0	58.3	57.2	54.5	52.7	50.2	50.2	56.8
2	52.1	51.7	53.1	52.8	53.2	53.7	58.7	55.1	54.1	54.4	52.9	53.0	54.1	55.8	54.9	55.7	66.4	64.8	60.6	54.8	51.0	48.9	48.8	50.7	54.6
3	50.8	52.9	51.7	52.1	54.3	53.1	56.4	57.6	61.1	81.2	68.0	86.4	79.3	79.4	74.8	64.4	62.2	62.5	57.7	55.2	54.7	54.6	52.8	53.9	61.5
4	54.0	54.1	54.4	53.9	52.8	52.4	53.9	56.0	60.0	61.6	60.2	60.8	58.2	59.6	61.7	62.5	57.3	59.1	54.5	51.6	51.1	50.2	51.0	51.3	55.9
5	54.1	52.6	53.1	54.1	52.7	52.7	50.6	55.0	60.9	75.1	74.8	62.0	60.8	63.2	61.6	58.5	54.9	55.8	54.7	52.9	52.2	53.0	53.8	54.1	57.2
6 Q	54.9	54.1	53.4	52.7	52.4	52.4	52.8	53.1	54.1	54.8	55.1	56.0	58.5	60.5	63.7	66.2	66.2	62.2	56.8	52.1	50.0	49.3	49.9	50.8	55.5
7	50.4	50.1	49.3	49.6	48.1	46.5	47.9	49.9	51.5	54.7	58.1	57.9	58.9	62.7	64.6	68.1	71.5	57.3	57.5	51.6	49.0	48.6	51.1	52.4	54.5
8	50.5	51.3	48.9	46.3	50.2	50.9	50.8	54.1	53.6	54.8	61.3	60.4	57.9	60.6	58.9	60.1	57.8	54.9	55.8	47.9	47.8	47.3	47.4	50.8	53.4
9	50.9	50.6	50.8	51.2	52.4	52.6	52.8	53.0	56.0	59.3	56.5	53.8	61.8	62.3	62.7	64.4	59.6	56.0	51.4	50.3	49.8	47.4	47.9	49.8	54.3
10	51.4	52.4	52.2	52.7	55.4	51.7	55.5	55.6	63.4	58.5	55.6	55.3	53.1	57.4	62.3	59.3	55.8	53.0	55.4	54.8	52.2	52.2	52.8	52.2	55.0
11	52.0	52.4	54.0	58.9	52.6	51.8	51.8	52.0	52.8	53.8	53.0	51.0	62.4	62.4	63.6	65.7	60.8	57.9	54.1	47.5	48.0	48.1	49.0	50.7	54.4
12	50.7	52.0	53.7	54.1	52.6	54.1	67.2	61.7	55.3	54.9	58.5	60.5	59.3	61.4	65.4	64.4	59.7	56.7	54.1	47.8	46.4	48.0	49.8	52.0	55.8
13	53.0	52.4	50.2	54.5	55.5	54.6	54.4	53.8	63.6	61.0	60.3	58.8	60.8	62.6	64.7	64.9	60.6	57.6	56.9	60.0	48.8	45.5	42.3	35.4	55.5
14 D	38.5	45.4	45.7	35.0	41.7	51.8	55.0	60.2	57.9	57.6	59.7	62.8	64.8	56.9	60.4	61.8	64.6	51.9	58.1	61.3	47.9	56.8	55.4	53.6	54.4
15 D	50.4	45.9	55.8	44.3	09.9	24.2	26.1	46.7	-32.2	68.1	119.2	149.6	112.8	36.9	82.8	71.9	50.0	60.6	60.6	56.0	53.4	52.9	51.4	53.1	56.3
16	54.1	57.7	61.7	46.9	53.1	51.9	52.9	50.8	53.1	54.1	56.0	56.6	57.7	60.9	63.9	63.2	65.3	62.3	63.0	58.0	46.4	46.5	48.3	46.2	55.4
17	49.1	50.8	49.3	55.5	63.8	57.5	53.6	52.2	49.9	52.5	54.5	55.3	56.0	57.2	57.8	56.5	58.6	60.7	59.3	55.0	52.9	52.1	52.7	53.8	54.9
18	53.8	53.1	53.1	54.0	52.6	52.2	52.4	53.9	54.1	54.9	55.3	56.3	56.8	58.4	60.8	62.6	64.6	60.3	58.8	55.0	52.2	52.6	53.0	52.0	55.5
19 Q	52.2	52.7	52.7	53.0	52.9	54.6	53.9	53.0	56.0	54.5	55.0	55.3	56.9	59.0	60.8	61.8	62.3	62.3	57.2	54.9	51.6	51.2	51.8	52.6	55.3
20	51.4	51.5	51.4	51.2	51.1	51.7	52.6	53.3	50.1	55.0	55.5	54.9	56.7	57.4	59.6	61.1	60.8	60.1	57.3	55.0	47.6	48.0	49.4	51.6	53.9
21	51.8	51.1	50.7	51.1	51.6	51.1	51.2	53.1	54.1	58.7	56.0	55.9	56.0	57.7	60.5	63.0	64.6	55.9	53.0	48.6	45.3	45.5	45.1	46.0	53.2
22	48.3	50.7	50.2	50.7	53.5	64.8	59.2	50.3	55.0	84.5	72.7	61.7	60.4	63.0	62.8	65.7	60.3	57.7	53.1	51.5	49.5	50.2	51.9	52.0	57.5
23	51.4	50.3	50.2	49.3	49.8	43.6	41.5	46.6	51.7	53.1	52.3	60.0	58.9	60.8	60.8	60.5	60.5	59.3	56.3	53.7	49.7	49.8	51.2	51.4	53.0
24 Q	52.0	51.7	51.7	51.7	51.7	51.7	51.7	52.3	53.5	54.9	56.2	56.3	56.8	59.0	60.1	59.6	58.9	59.7	60.2	57.8	54.2	53.1	52.2	51.5	54.9
25 Q	51.1	51.2	51.4	52.3	52.6	51.1	51.6	53.0	54.0	54.1	52.7	54.1	52.1	52.2	57.4	62.3	62.2	62.2	60.6	52.4	51.0	49.5	49.2	48.1	53.7
26 D	45.1	47.4	51.5	52.2	52.8	54.3	51.2	54.8	58.7	69.7	71.7	103.8	108.1	80.8	97.6	61.0	71.8	58.9	56.0	50.2	52.3	50.4	50.9	51.6	62.6
27 D	49.3	50.2	52.7	51.1	57.4	50.2	51.5	56.4	74.1	66.0	87.1	64.4	61.2	52.5	59.3	63.4	62.3	62.2	54.9	51.3	49.5	45.9	77.0	53.1	58.5
28 D	41.0	36.9	65.5	55.2	44.5	60.2	53.1	54.3	64.0	64.4	56.9	52.9	52.1	55.3	59.6	62.6	67.9	59.4	56.0	54.0	54.1	52.2	53.8	54.9	55.4
29	54.5	54.1	52.8	51.8	51.9	48.1	36.9	59.3	57.6	59.8	61.7	49.8	58.9	61.4	56.5	56.5	62.5	61.0	57.6	56.7	56.8	56.0	54.1	53.0	55.4
30	52.9	52.4	53.1	52.1	51.5	50.8	47.0	49.3	51.7	53.8	53.1	55.6	54.7	74.1	63.2	58.4	63.9	62.2	77.0	60.8	69.4	48.3	48.3	45.5	56.2
31																									
Mean	50.9	51.2	52.6	51.5	51.0	51.8	51.6	53.7	53.4	60.0	61.6	62.6	62.1	60.4	63.6	62.4	62.0	59.4	57.6	53.9	51.3	50.2	51.4	50.8	55.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 149. Meanook. (Z.) 59,000 γ + September, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	227	220	211	211	216	212	214	207	128	163	184	192	195	195	189	190	203	205	210	209	217	220	217	224	202
2	214	212	213	210	210	210	191	192	205	201	199	195	182	180	186	192	200	199	202	203	203	206	211	214	201
3	221	207	210	211	216	215	224	216	155	050	088	099	098	123	146	177	207	224	222	224	234	244	262	258	189
4	249	235	228	225	219	217	214	207	191	174	166	192	200	203	196	199	182	194	204	215	228	230	231	232	210
5	253	258	272	245	238	240	248	207	172	119	075	137	188	212	184	136	147	194	222	235	236	234	233	228	205
6 Q	222	221	217	214	213	211	210	210	210	209	207	206	206	204	202	198	199	195	194	197	203	205	205	205	207
7	206	204	203	201	201	194	217	212	212	208	205	195	188	187	185	191	190	184	184	189	199	206	208	211	199
8	220	224	244	243	225	214	208	202	208	202	154	177	184	177	181	178	177	177	184	189	196	204	203	199	199
9	194	192	192	190	190	190	191	191	170	169	181	144	137	180	191	188	190	194	196	208	220	221	222	220	190
10	222	223	221	218	189	133	167	160	055	059	175	148	160	172	184	190	201	209	207	209	211	210	215	214	181
11	212	212	223	235	228	206	201	199	198	198	192	110	024	065	127	163	186	195	200	204	222	234	234	229	187
12	225	226	238	227	203	206	122	150	184	179	165	148	180	188	180	187	194	201	203	210	215	227	231	235	197
13	237	230	249	252	201	230	225	205	169	149	165	206	205	201	196	194	193	198	203	203	223	261	279	312	216
14 D	283	253	288	-020	116	222	169	144	132	123	090	095	006	106	103	117	053	113	249	318	336	382	335	290	179
15 D	261	246	040	154	170	199	207	256	433	467	494	432	073	224	120	023	083	210	232	273	288	276	270	287	238
16	276	294	306	323	310	289	262	276	255	247	242	237	234	232	224	221	223	230	231	238	246	256	273	285	259
17	269	261	281	287	195	241	246	209	159	197	229	228	225	216	196	200	217	225	230	231	237	236	236	239	229
18	239	246	248	250	243	244	246	210	235	236	232	227	229	225	222	226	225	222	220	222	226	228	230	236	232
19 Q	237	233	230	230	230	234	226	223	225	226	225	223	222	223	223	222	222	220	218	217	217	219	221	226	225
20	233	227	226	225	222	220	219	220	152	205	203	209	208	212	210	211	211	206	204	204	211	213	215	213	212
21	212	212	212	212	211	212	218	218	214	206	212	212	208	201	192	198	202	194	199	202	203	214	220	224	209
22	225	219	220	221	230	194	195	179	019	102	141	193	198	187	198	202	200	200	203	205	213	215	216	217	191
23	217	223	225	223	214	238	238	243	230	213	210	176	187	199	209	207	204	204	202	205	211	215	215	214	213
24 Q	213	214	214	216	217	216	216	216	214	210	203	194	190	199	205	204	200	201	203	201	202	206	211	212	207
25 Q	213	215	214	213	211	207	206	205	202	201	195	189	188	188	188	194	194	192	192	191	195	205	210	211	201
26 D	228	232	266	249	257	262	229	032	-261	270	128	-055	373	083	005	083	139	175	218	244	290	293	284	317	181
27 D	272	275	310	355	298	210	234	177	013	-013	133	077	148	145	151	174	194	225	237	237	255	262	354	301	209
28 D	301	093	-138	003	138	122	223	259	259	209	221	224	224	211	232	248	245	244	243	250	252	253	253	246	201
29	245	242	243	238	235	246	085	206	178	134	069	099	077	085	174	202	199	225	229	239	250	260	258	249	194
30	238	235	233	238	252	255	240	237	240	233	230	184	096	140	141	219	232	226	243	294	355	324	289	313	237
31																									
Mean	236	226	218	217	217	216	210	202	172	185	187	176	174	179	178	184	190	203	213	222	233	239	241	242	207

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 150. Meanook. September 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	23	00	765	08	35	639	126	17	03	69.6	08	24	44.0	25.6	23	02	231	08	32	055	176
2	15	02	776	19	38	716	60	16	06	67.5	22	03	47.7	19.8	23	07	221	07	30	179	42
3	15	04	766	11	22	301	465	11	20	107.4	08	08	47.7	59.7	11	02	274	11	19	-102	376
4	12	54	767	16	02	701	66	15	31	65.5	21	10	48.1	17.4	00	00	253	10	37	146	107
5	02	59	799	09	06	540	259	09	29	83.6	06	44	48.3	35.3	02	57	304	10	34	047	257
6 Q	22	59	772	18	10	688	84	16	00	67.5	23	00	48.1	19.4	00	00	224	18	15	192	32
7	06	33	799	16	29	695	104	16	03	77.0	05	53	34.3	42.7	06	40	242	05	54	152	90
8	22	44	762	18	55	697	65	10	44	65.4	03	20	44.2	21.2	02	26	251	10	38	124	127
9	13	52	778	20	00	706	72	15	31	66.5	18	24	47.4	19.1	20	40	229	12	41	092	137
10	10	56	776	12	00	594	182	08	33	74.1	05	02	47.3	26.8	02	00	227	09	34	010	217
11	10	45	760	12	02	559	201	15	51	68.5	11	44	41.6	26.9	03	50	245	12	02	-040	285
12	14	11	765	06	47	677	88	06	22	82.8	20	32	43.6	39.2	02	40	251	06	50	064	187
13	23	43	853	19	17	678	175	04	13	101.1	23	43	30.8	70.3	23	38	335	09	41	117	218
14 D	04	06	1072	16	32	283	789	19	13	90.6	03	51	23.2	67.4	21	44	404	04	07	-078	482
15 D	00	00	1061	12	40	-1302	2363	12	33	284.6	08	21	190.9	475.5	08	28	1151	05	12	-450	1601
16	23	35	804	19	44	668	136	02	06	76.8	03	31	41.1	35.7	01	58	336	15	35	216	120
17	04	07	818	14	49	652	166	04	09	109.3	02	38	44.5	64.8	02	59	320	04	20	085	235
18	07	07	769	22	48	706	63	16	00	66.7	07	31	47.6	19.1	03	14	259	07	19	177	82
19 Q	14	20	744	20	19	701	43	17	01	65.3	07	33	46.4	18.9	08	38	240	07	58	202	38
20	10	12	859	09	42	306	553	17	53	63.0	08	11	40.7	22.3	00	14	240	09	21	119	121
21	22	31	757	17	13	701	56	16	06	66.3	20	32	41.6	24.7	23	12	231	09	06	192	39
22	10	12	859	09	42	306	553	09	29	103.2	07	58	25.4	77.8	04	54	244	07	58	-071	315
23	06	22	964	18	15	696	268	13	44	63.3	05	59	35.0	28.3	07	14	272	10	59	164	108
24 Q	13	04	749	19	35	714	35	17	40	61.2	23	43	49.8	11.4	04	30	217	12	31	186	31
25 Q	11	15	759	18	20	702	57	16	03	64.6	22	12	47.2	17.4	03	00	217	12	52	183	34
26 D	23	48	899	11	55	017	882	12	26	152.3	08	34	38.6	113.7	12	37	557	08	25	-408	965
27 D	22	38	996	09	30	221	775	10	05	143.0	05	59	24.4	118.6	22	08	493	09	04	-097	590
28 D	01	47	1589	08	32	442	1147	02	00	96.1	01	31	24.8	71.3	08	04	322	02	01	-302	624
29	06	54	783	10	23	193	590	10	25	96.2	06	24	17.5	78.7	21	48	270	06	34	-145	415
30	20	47	872	12	48	456	416	18	38	101.4	23	07	32.1	69.3	20	49	400	12	47	-005	405
31																					
Mean			850			488	362			90.0			32.0	58.0			315			34	281
No. days			30			30	30			30			30	30			30			30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 151. Meanook. (H.) 12,000 γ + October, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	795	888	806	753	602	803	824	782	722	687	566	650	675	709	715	716	714	705	697	696	697	722	735	751	725
2	712	723	724	726	742	762	759	712	693	668	592	623	680	676	676	690	695	724	731	737	733	731	732	733	707
3	725	735	735	753	743	661	694	679	727	703	654	701	729	736	740	728	689	709	708	693	677	699	768	731	713
4	741	727	738	738	749	752	739	734	729	695	622	594	434	713	743	753	746	727	708	709	706	716	722	725	707
5 Q	729	734	739	740	740	740	739	741	743	746	747	743	741	743	741	737	724	717	710	702	706	710	724	732	732
6	737	743	744	746	745	744	749	747	751	752	753	753	751	714	748	745	741	725	718	708	708	712	727	735	737
7 D	736	738	736	736	729	733	699	491	343	452	217	078	046	247	255	277	245	441	595	692	761	813	853	978	537
8 D	1025	936	946	883	799	564	427	755	736	560	494	020	532	719	743	732	722	733	710	716	737	735	743	731	696
9	719	714	729	719	714	714	701	709	473	568	560	743	748	737	721	694	697	698	705	703	715	716	725	731	694
10	727	716	732	730	740	734	731	730	728	716	730	725	741	719	671	684	711	703	697	695	707	720	730	731	719
11	739	720	734	749	761	763	730	703	698	654	648	623	496	594	710	708	711	709	701	700	712	722	730	738	698
12	740	742	743	744	742	742	750	753	746	746	748	747	735	748	748	742	731	719	703	701	711	720	727	734	736
13	736	740	743	743	743	744	744	743	745	748	747	748	749	749	749	746	740	728	718	711	715	719	726	736	738
14 Q	740	745	747	749	748	745	749	749	749	750	752	756	756	756	755	749	737	726	715	714	717	729	734	739	742
15 Q	741	743	746	747	747	747	745	746	745	735	746	747	729	741	753	751	738	730	722	720	726	728	735	738	739
16	743	750	754	756	757	762	750	739	739	683	493	601	701	630	686	717	717	722	715	711	725	727	754	749	712
17	758	758	735	734	731	735	739	746	730	681	734	758	744	741	736	732	716	704	707	717	723	729	737	745	732
18	746	752	752	754	759	756	755	756	752	749	748	741	748	747	744	739	746	744	730	726	726	731	739	733	745
19	745	753	765	759	768	791	756	748	747	747	747	738	718	753	750	750	740	719	710	716	726	725	733	740	744
20	740	749	757	758	764	786	696	734	744	751	743	745	742	743	746	741	736	723	717	694	711	724	726	726	737
21 Q	732	732	741	744	747	760	749	747	746	744	739	718	699	733	744	740	728	720	720	726	734	735	733	739	735
22	740	746	748	747	747	748	744	742	747	748	752	752	753	751	743	742	739	729	721	722	722	725	736	737	741
23	740	744	752	755	753	756	740	687	723	753	649	457	642	720	734	716	733	703	687	700	699	723	735	724	709
24	740	749	754	753	745	748	744	733	665	526	569	586	539	513	609	677	718	722	707	706	718	730	762	820	689
25 D	839	812	892	806	799	749	734	678	660	424	207	391	241	534	774	733	712	700	705	719	726	740	749	749	670
26 D	739	735	737	776	772	725	562	669	610	525	431	630	566	311	548	632	617	697	730	737	744	775	783	771	659
27	729	751	867	747	757	773	793	400	462	587	608	115	224	692	714	706	719	708	697	722	732	742	737	747	655
28	739	730	752	764	753	749	733	712	633	662	683	661	402	598	748	710	725	701	705	704	707	728	728	719	698
29	726	728	731	743	739	734	726	672	737	737	723	721	744	740	734	721	722	704	692	696	702	723	716	725	722
30	734	716	742	740	740	737	736	732	734	737	737	740	741	743	741	737	727	715	711	707	709	717	723	732	730
31 Q	741	738	741	748	751	749	747	747	747	747	749	751	751	752	751	747	740	735	726	725	725	725	730	735	742
Mean	751	751	760	753	746	742	725	710	694	677	642	624	629	678	709	709	706	708	707	710	718	729	740	747	711

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

Table 152. Meanook. (D.) East. 25° + . . . ′ October, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	42.5	46.5	50.5	38.9	65.1	37.8	50.2	50.7	55.5	56.4	55.7	51.1	51.6	55.0	57.8	58.9	60.3	60.3	60.5	57.8	55.0	54.1	52.5	52.5	53.2
2	50.2	53.0	56.2	61.7	67.9	48.1	50.6	47.2	49.7	51.1	47.7	50.0	55.5	58.7	58.9	57.3	60.5	62.6	58.2	56.2	56.4	55.9	55.0	52.5	55.0
3	51.1	51.6	54.6	59.2	55.0	40.3	47.7	55.0	58.7	54.1	49.3	54.1	55.7	57.1	59.8	63.3	63.5	59.6	61.5	62.8	56.6	56.2	54.8	50.2	55.5
4	49.7	52.0	52.0	51.6	52.5	51.3	51.8	53.9	54.1	67.0	71.4	65.6	43.1	56.4	61.0	66.3	65.8	62.6	56.4	54.4	55.0	54.3	53.9	53.6	56.5
5 Q	53.0	53.2	53.0	53.0	53.4	53.2	53.0	54.1	55.2	55.2	55.2	54.1	53.9	56.9	59.4	62.4	62.4	61.5	58.7	55.9	52.7	52.0	52.5	52.5	55.3
6	52.0	52.0	52.3	51.8	51.6	51.6	53.2	52.7	53.4	54.1	54.3	54.6	52.3	48.6	57.6	62.4	62.2	60.8	51.6	52.3	52.0	51.8	51.8	52.0	53.7
7 D	52.5	52.3	52.3	51.8	51.1	51.8	54.6	53.6	78.9	77.8	97.8	95.5	90.9	86.3	81.7	86.3	91.1	85.4	61.0	54.1	51.6	53.9	54.1	49.0	67.3
8 D	41.9	43.6	48.8	34.8	39.2	14.3	38.0	54.8	53.4	65.6	63.1	64.4	61.5	61.9	61.7	61.0	54.6	56.4	52.7	52.3	55.2	54.8	55.0	55.0	51.8
9	55.9	58.9	55.5	53.9	54.6	54.3	54.1	65.6	51.3	68.1	68.1	57.3	58.7	60.5	63.8	61.5	58.2	56.9	54.3	55.7	54.3	54.1	55.5	55.2	57.8
10	54.1	56.4	51.8	52.7	55.2	53.4	51.8	53.6	52.5	53.0	56.4	58.5	59.4	60.8	54.8	56.9	56.4	52.5	51.8	49.7	47.9	53.2	53.9	53.6	54.2
11	51.6	53.6	52.3	50.6	52.5	52.0	70.4	60.5	62.4	60.5	61.7	63.3	47.2	62.4	61.2	58.5	55.7	51.1	47.4	47.2	50.9	51.8	53.2	53.6	55.5
12	54.1	53.6	53.6	53.6	53.4	54.6	54.6	55.0	56.6	56.2	56.4	57.6	54.6	58.9	61.5	63.3	61.0	56.4	52.0	49.5	47.4	47.7	49.7	51.6	54.7
13	51.8	51.8	51.1	50.6	50.9	51.3	51.8	52.0	53.6	53.6	53.9	54.3	55.0	56.6	60.5	63.1	62.8	59.8	54.8	49.3	46.0	47.2	49.3	49.7	53.4
14 Q	50.0	51.3	51.1	51.1	52.3	54.1	54.1	51.1	51.3	52.0	52.7	53.4	54.1	55.2	58.9	61.9	62.4	59.4	55.2	51.8	49.5	49.0	49.3	49.5	53.4
15 Q	49.7	50.4	51.3	51.8	51.8	51.8	53.0	54.3	56.4	56.6	59.2	56.9	53.4	52.0	59.8	61.5	61.5	58.5	52.7	49.5	47.7	47.9	47.2	46.7	53.4
16	44.9	43.8	44.9	46.5	50.4	51.3	51.6	51.8	51.8	55.7	63.1	71.3	74.3	65.6	52.9	56.4	52.0	49.3	47.9	42.6	44.9	46.5	45.8	40.1	51.9
17	40.5	47.4	51.6	52.5	53.6	52.7	53.2	53.6	54.1	67.2	71.6	61.7	59.2	60.3	60.3	62.8	64.0	59.2	51.6	51.6	51.3	51.3	52.0	52.0	55.6
18	51.3	50.9	51.8	51.8	51.1	50.9	51.6	52.5	53.0	53.6	54.1	53.9	54.1	58.5	59.2	60.5	59.4	56.4	54.1	49.3	49.5	50.9	48.1	47.9	53.1
19	45.4	45.8	46.5	49.0	46.5	55.0	53.0	50.9	54.1	53.6	54.6	56.2	54.1	57.1	60.3	61.0	58.7	58.2	52.0	51.6	51.3	50.4	48.1	47.9	52.6
20	50.6	50.3	50.0	48.5	48.5	52.9	55.4	57.7	56.6	55.4	57.5	56.3	53.8	54.9	57.4	58.8	58.3	57.4	55.2	50.2	49.7	50.1	51.9	52.0	53.7
21 Q	50.0	52.3	51.8	51.1	53.2	54.3	51.1	50.9	51.6	53.6	54.6	52.0	50.9	54.1	58.5	59.4	58.7	53.6	50.4	49.0	50.2	52.0	53.9	53.4	52.9
22	52.5	51.8	51.6	51.8	51.3	51.8	58.7	54.6	53.0	53.4	53.9	55.2	55.5	58.2	60.5	57.3	58.0	56.2	52.0	50.0	49.0	48.6	49.5	51.6	53.6
23	51.6	51.8	51.8	51.8	52.0	51.1	49.5	48.6	64.0	58.0	57.3	47.7	67.4	71.8	61.9	56.4	53.0	53.2	47.2	47.4	45.1	48.8	48.6	51.8	53.7
24	50.2	52.3	50.6	50.6	54.3	51.3	51.8	52.0	43.5	41.0	63.3	65.4	80.3	84.9	65.6	62.1	52.9	54.1	52.3	52.0	51.8	51.1	53.4	59.6	56.1
25 D	44.7	47.7	58.0	56.4	53.6	51.8	53.4	49.3	71.8	70.2	93.7	93.2	73.4	84.5	63.8	60.8	56.2	50.0	49.0	51.6	50.4	54.1	57.1	55.0	60.4
26 D	51.3	55.0	66.3	60.3	58.0	55.1	41.7	51.6	50.2	63.8	55.5	71.8	63.1	51.8	50.9	41.4	51.6	47.9	54.1	52.7	55.5	56.4	55.0	49.7	54.6
27	52.3	53.0	65.1	52.0	58.0	49.5	51.3	29.3	17.3	62.1	59.6	77.6	51.8	65.1	63.3	58.0	55.1	49.3	47.7	52.0	52.7	53.6	54.1	51.8	53.4
28	55.0	52.0	53.0	60.8	62.2	55.9	51.8	55.5	60.1	58.0	58.7	64.0	58.7	55.2	59.8	59.2	56.4	51.6	50.2	52.7	50.2	51.6	50.4	51.8	55.6
29	52.0	52.7	61.0	55.9	53.2	53.2	49.5	45.4	52.5	52.5	51.1	50.4	53.6	54.6	56.6	56.4	59.2	58.0	53.0	44.4	44.2	49.5	50.6	51.3	52.5
30	50.6	53.4	53.9	53.2	52.0	52.0	51.8	53.2	54.1	54.6	54.6	54.8	54.6	54.8	57.6	60.5	59.4	59.8	57.6	54.1	52.5	51.3	51.1	51.1	54.3
31 Q	50.9	51.3	51.8	55.0	53.4	50.9	52.3	53.0	53.4	54.1	54.6	55.0	55.0	55.2	55.7	57.8	59.8	58.7	56.9	55.0	53.6	52.3	50.4	49.5	54.0
Mean	50.1	51.4	53.1	52.1	53.5	50.3	52.1	52.4	54.3	57.7	60.0	60.6	58.3	60.4	60.1	60.4	58.7	57.3	53.6	51.8	51.0	51.7	51.9	51.4	54.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 153. Meanook. (Z.) 59,000 γ + October, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	305	362	327	-013	-117	024	163	239	222	236	184	194	215	237	239	247	242	237	234	234	248	251	262	259	210
2	250	251	262	252	256	274	265	201	199	187	102	-018	152	161	183	185	189	225	231	225	222	235	256	266	209
3	253	260	250	215	228	097	151	184	201	192	155	177	202	220	230	227	220	232	233	249	255	278	306	275	220
4	267	250	248	249	257	234	239	227	221	147	029	049	033	164	188	209	213	216	219	218	219	228	230	226	199
5 Q	222	221	222	220	220	220	219	218	218	213	212	209	208	217	218	217	215	209	207	211	218	225	224	222	217
6	220	218	218	219	222	233	235	223	219	213	212	212	210	175	188	201	209	210	211	212	220	224	225	223	215
7 D	221	220	222	215	215	223	184	214	169	299	196	303	308	297	285	451	443	231	199	284	304	286	285	286	264
8 D	301	272	236	245	077	126	228	254	261	294	299	216	205	194	236	242	248	257	247	251	259	251	250	251	238
9	263	258	255	245	245	250	196	169	135	073	069	197	237	238	228	222	228	237	239	244	248	255	256	258	218
10	257	268	258	263	268	258	254	245	224	201	209	201	210	206	185	187	211	221	233	243	248	258	257	247	234
11	259	259	259	269	293	280	171	182	179	149	107	139	083	122	164	152	173	192	221	229	229	229	229	229	200
12	229	228	230	229	229	234	206	215	214	217	210	211	205	214	224	218	211	211	214	218	220	226	228	224	219
13	226	226	219	221	221	223	232	235	227	217	216	214	215	214	217	215	213	213	213	214	219	220	220	219	220
14 Q	216	214	215	213	213	216	216	212	211	210	211	211	210	211	213	215	213	211	210	212	215	217	216	216	213
15 Q	215	215	215	215	215	214	214	202	214	181	179	190	190	175	191	204	204	204	207	209	211	212	216	220	205
16	228	251	266	261	255	244	246	228	212	195	063	049	048	104	132	145	163	171	188	196	220	236	249	274	193
17	310	264	236	227	222	222	224	232	192	107	149	212	201	210	214	228	228	228	227	228	229	231	232	232	220
18	222	221	220	219	221	220	217	217	217	214	213	209	205	211	214	213	213	213	215	215	217	223	228	225	217
19	230	246	264	260	266	288	248	229	224	222	216	205	173	196	208	207	213	206	210	216	224	226	234	237	227
20	238	245	239	239	253	122	113	192	214	229	217	214	209	216	211	223	242	232	229	233	242	232	238	233	219
21 Q	231	230	229	232	234	223	222	229	225	220	210	183	164	202	209	212	213	215	211	215	225	222	223	224	217
22	226	226	224	223	224	223	225	225	224	226	221	219	216	212	216	217	216	215	215	216	221	222	224	224	221
23	224	224	225	222	218	223	209	184	177	215	138	-039	-002	111	164	146	181	208	221	230	238	240	254	269	187
24	249	233	231	244	244	231	228	186	069	-008	009	-079	-172	-079	022	172	179	215	222	230	244	245	259	318	154
25 D	345	346	274	201	304	282	254	166	074	076	-156	036	125	036	187	192	185	192	218	238	251	274	284	267	194
26 D	247	255	267	288	288	199	080	182	178	142	181	087	055	160	102	108	180	207	247	271	291	320	289	269	204
27	261	265	315	285	282	252	205	133	117	142	100	121	066	135	185	209	238	238	231	252	252	255	253	271	211
28	293	263	274	255	236	241	241	208	079	201	168	131	093	133	190	205	248	236	243	253	267	266	251	245	218
29	241	252	253	243	234	233	174	126	217	228	218	214	227	225	227	226	227	226	234	240	243	249	238	237	226
30	245	262	262	237	229	229	228	222	218	227	226	227	228	228	230	232	232	230	228	231	234	234	233	233	233
31 Q	234	230	234	234	230	228	225	225	225	223	222	220	221	222	225	227	227	226	228	232	234	230	229	228	228
Mean	249	250	247	230	225	218	210	206	193	190	161	158	159	180	198	211	220	218	222	231	238	242	244	245	214

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 154. Meanook. October, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	03	02	999	03	58	220	779	04	16	177.4	04	54	-01.3	178.7	01	26	411	04	02	-299	710
2	04	48	784	10	52	550	234	04	41	78.5	07	49	36.2	42.3	03	11	309	11	24	060	249
3	22	21	808	05	44	563	245	03	00	74.8	05	48	24.2	50.6	22	15	328	05	38	-001	329
4	04	35	770	12	14	253	417	09	53	78.5	12	09	24.0	54.5	04	04	276	12	11	-029	305
5 Q	10	15	750	20	00	701	49	16	31	63.1	12	02	51.8	11.3	21	36	227	12	18	200	27
6	10	50	758	13	35	700	58	15	15	65.1	13	23	43.8	21.3	05	49	247	13	36	152	95
7 D	23	40	1016	12	00	-103	1119	15	17	151.8	08	00	20.8	131.0	14	49	661	10	43	-180	841
8 D	01	01	1095	11	22	-341	1436	11	33	115.7	05	48	-06.2	121.9	06	13	537	17	07	-154	691
9	11	46	759	08	38	237	522	10	08	82.4	08	51	30.9	51.5	00	06	269	10	14	-058	327
10	23	59	757	15	58	642	115	04	08	62.1	20	11	46.7	15.4	04	57	276	14	57	165	111
11	04	52	776	12	25	405	371	06	13	85.1	12	32	33.4	51.7	04	57	312	12	24	040	272
12	07	22	772	19	20	693	79	15	29	64.9	20	55	47.0	17.9	07	22	242	06	42	183	59
13	14	09	752	20	09	705	47	15	36	65.1	20	44	45.1	20.0	06	41	240	10	52	213	27
14 Q	12	18	757	19	24	711	46	15	40	63.8	21	07	47.7	16.1	22	07	220	07	17	210	10
15 Q	14	51	758	18	37	711	47	15	30	62.6	24	00	44.9	17.7	24	00	223	09	48	156	67
16	22	12	786	10	36	361	425	10	50	92.7	23	34	37.3	55.4	23	48	295	10	45	-128	423
17	11	10	767	09	37	638	129	10	08	79.9	01	06	38.0	41.9	00	26	326	09	59	076	250
18	23	45	757	19	58	714	43	16	03	63.5	23	51	44.9	18.6	22	15	236	12	15	202	34
19	05	20	823	22	52	698	125	15	39	64.7	04	22	38.0	26.7	05	19	326	12	34	140	186
20	05	16	878	06	32	654	224	05	22	73.7	06	19	-05.0	78.7	04	53	281	05	47	-063	344
21 Q	05	45	768	12	42	685	83	16	05	61.5	19	36	47.4	14.1	04	49	244	12	37	149	95
22	12	31	764	19	02	715	49	06	37	68.4	20	38	46.7	21.7	07	47	242	12	50	208	34
23	06	58	803	11	36	273	530	12	52	79.4	11	21	37.5	41.9	23	48	283	11	28	-169	452
24	23	12	880	09	17	423	457	12	46	105.2	09	00	28.3	76.9	23	11	365	12	37	-245	610
25 D	02	47	1032	10	13	-001	1033	10	53	118.0	03	24	09.5	108.5	00	26	367	10	24	-329	696
26 D	21	50	815	13	25	161	654	11	22	92.7	07	17	06.5	86.2	13	25	406	06	16	-135	541
27	02	22	1031	11	40	-032	1063	11	29	150.0	07	11	-19.5	169.5	11	32	456	07	22	-233	689
28	03	50	805	12	47	185	620	08	28	81.7	08	07	26.5	55.2	00	42	334	08	06	-062	396
29	03	15	757	07	15	613	144	02	47	69.7	07	04	24.2	45.5	02	23	263	07	03	046	217
30	02	47	749	20	00	703	46	15	55	62.8	22	37	50.0	12.8	01	40	272	08	23	204	68
31 Q	04	23	766	21	00	722	44	03	39	60.8	24	00	48.8	12.0	03	21	238	11	06	216	22
Mean			822			457	365			84.4			30.6	53.8			313			017	296
No. days			31			31	31			31			31	31			31			31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 155. Meanook. (H.) 12,000 γ + November, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	743	742	740	744	744	744	746	747	748	749	747	705	712	741	757	746	732	723	724	725	729	739	742	738
2	746	751	752	756	757	755	754	753	753	756	749	746	759	759	750	737	737	737	725	719	720	725	729	738	744
3 Q	741	745	745	744	744	744	744	745	739	726	738	756	749	748	747	747	740	729	720	720	720	720	728	740	738
4	749	752	757	759	758	758	756	757	756	757	749	753	764	763	758	750	740	738	733	732	722	728	734	743	749
5	746	749	746	745	750	752	752	751	751	755	758	761	758	759	759	753	742	728	720	719	723	729	734	741	745
6	743	745	747	754	752	758	757	754	730	700	696	699	695	740	762	757	747	729	724	724	719	725	734	742	735
7	745	747	748	749	748	746	749	730	722	726	736	739	748	761	760	754	744	734	723	716	707	708	708	734	737
8 D	740	739	743	751	745	683	710	699	578	507	497	441	430	486	491	498	633	726	723	717	728	739	758	826	648
9 D	836	868	841	819	813	716	569	639	650	713	710	324	349	442	482	594	702	675	671	669	696	743	753	752	668
10	793	849	865	840	777	765	743	738	734	733	739	739	739	740	738	736	726	721	716	716	718	719	722	732	752
11	742	745	745	744	750	747	745	745	743	745	746	748	748	747	743	744	742	732	715	710	708	714	726	737	738
12 Q	741	743	752	752	754	752	752	753	750	750	751	752	752	754	755	752	744	733	722	721	724	733	741	747	745
13 Q	753	757	755	758	759	760	757	756	750	755	756	755	756	757	757	755	746	735	723	719	721	732	743	755	749
14	756	760	763	763	763	762	761	760	760	761	762	762	762	761	756	745	746	731	711	699	704	714	737	751	748
15	791	760	752	756	752	752	749	752	745	742	741	744	743	744	745	742	735	730	724	719	724	716	720	747	743
16	745	752	752	753	754	751	752	752	752	749	743	728	754	756	752	742	735	727	721	722	725	735	743	743	743
17 D	753	757	753	753	757	759	768	763	764	750	675	745	753	713	506	554	646	699	704	713	705	726	728	746	716
18	772	771	773	748	746	766	701	742	745	726	646	619	713	766	759	754	747	736	735	730	715	723	730	739	733
19	748	750	741	753	753	744	746	748	755	727	550	709	771	765	761	761	754	743	728	724	727	733	737	743	736
20	740	745	747	742	749	747	737	740	724	658	660	723	705	702	661	699	726	733	743	740	736	735	740	745	724
21 D	747	749	753	757	757	754	749	747	749	653	461	596	595	677	577	708	754	675	682	711	743	777	756	743	703
22	747	753	762	791	780	750	746	666	714	728	726	705	690	692	720	737	748	739	732	727	729	733	739	730	733
23	732	737	753	752	757	742	723	641	603	751	753	745	743	744	712	697	742	736	736	731	734	733	717	734	727
24	756	754	753	749	752	752	762	735	655	731	714	720	746	716	605	672	659	682	684	729	728	730	747	775	721
25	799	775	778	761	755	762	754	744	737	691	559	663	630	647	751	749	709	727	744	737	738	744	737	738	726
26 D	746	753	731	748	762	752	724	627	737	619	707	479	571	757	755	726	722	751	753	719	727	734	733	744	712
27	742	756	772	767	782	764	753	752	749	733	695	674	738	756	753	758	756	746	736	729	726	728	728	736	743
28 Q	749	753	755	757	750	741	742	756	749	728	729	718	736	764	756	753	752	741	730	724	729	734	741	744	743
29	747	752	748	748	744	752	755	753	745	738	747	757	755	754	753	750	749	739	728	734	738	738	742	749	746
30 Q	751	752	761	762	762	761	761	761	761	760	759	759	758	758	756	752	745	740	739	739	743	750	752	752	754
31																									
Mean	754	759	760	759	758	750	740	732	728	720	700	694	704	721	711	721	730	728	722	721	723	731	736	746	731

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 156. Meanook. (D.) East. 25° + . . . ′ November, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	48.4	49.0	49.6	50.1	51.0	51.4	52.7	52.6	52.5	52.3	52.9	54.1	53.0	59.1	52.6	59.2	58.7	57.0	53.9	52.2	51.3	51.1	50.6	50.8	52.8
2	50.8	51.3	51.6	51.7	51.9	52.1	52.4	52.1	52.1	52.6	53.4	54.1	55.9	55.3	56.0	60.8	54.9	55.1	55.0	52.9	51.8	50.0	50.2	50.7	53.1
3 Q	50.3	51.0	50.9	51.5	51.4	51.6	51.9	52.8	53.7	58.8	56.0	54.7	54.7	55.2	56.5	55.9	57.0	56.3	51.7	51.4	50.7	50.7	50.8	49.7	53.1
4	49.1	49.2	50.8	51.0	51.4	51.6	51.6	52.5	53.1	53.1	53.1	53.1	54.6	54.9	56.6	56.0	55.5	53.0	50.3	48.5	50.3	49.7	50.5	50.8	52.1
5	51.3	51.8	51.2	51.4	51.3	51.8	52.1	52.8	53.7	54.7	54.6	54.4	54.8	55.8	55.4	54.9	56.0	54.9	54.2	52.7	51.5	50.8	50.7	51.0	53.1
6	51.2	51.0	52.2	52.1	50.9	52.8	53.3	53.3	54.4	51.2	50.7	53.4	50.8	54.1	57.5	57.8	57.9	55.8	53.0	51.2	50.6	49.9	50.1	50.7	52.8
7	51.1	51.3	52.0	52.2	52.3	52.6	56.4	53.6	54.4	53.8	55.6	57.2	60.0	58.7	58.4	59.2	59.7	57.6	55.1	52.1	49.2	47.8	50.1	50.3	54.2
8 D	50.2	52.0	51.5	51.5	51.9	29.7	55.5	57.9	57.9	73.6	72.3	103.6	113.9	82.6	68.4	59.4	55.4	54.4	53.6	51.6	50.9	47.4	48.5	45.6	60.0
9 D	46.5	46.3	57.4	55.1	55.2	56.8	28.8	61.6	55.1	56.4	56.5	61.5	46.0	66.0	35.5	65.2	56.6	46.5	44.1	45.2	47.4	46.9	48.5	45.2	51.3
10	48.6	50.1	51.2	54.1	54.5	53.6	53.0	54.1	53.9	53.7	54.5	55.0	55.1	55.5	56.8	58.4	59.7	59.7	57.0	54.6	52.7	51.7	51.7	51.7	54.2
11	51.1	52.0	52.6	55.5	53.1	53.0	53.1	53.0	53.8	52.6	52.7	53.0	53.9	54.4	56.5	56.5	59.7	59.6	57.0	53.8	50.3	48.8	48.9	49.1	53.5
12 Q	50.7	52.5	53.5	53.2	53.2	52.7	52.2	52.1	52.0	52.5	53.0	53.3	54.0	54.3	55.5	58.2	60.9	60.9	57.7	54.1	51.6	50.8	50.6	50.6	53.8
13 Q	51.2	50.7	52.0	51.7	52.2	52.3	51.9	52.4	52.4	53.1	53.0	53.5	53.9	54.1	54.2	57.3	58.9	58.9	56.7	54.1	51.5	50.1	50.3	50.5	53.2
14	51.6	51.8	52.7	52.8	53.0	53.2	52.0	51.5	51.7	51.8	52.0	53.1	53.9	54.7	56.2	59.5	62.7	61.4	58.9	53.1	51.3	46.0	50.4	47.3	53.4
15	43.4	48.6	52.2	53.4	54.1	53.9	54.1	53.2	52.8	54.2	53.7	53.9	54.2	54.5	55.8	57.7	59.4	59.3	55.8	52.4	49.2	48.7	46.3	45.1	52.8
16	47.1	49.3	51.4	52.9	52.8	53.0	52.9	52.7	52.5	54.5	55.2	53.3	55.1	54.8	54.9	57.4	57.3	57.2	53.8	51.7	50.4	50.0	48.2	48.4	52.8
17 D	48.8	45.6	49.5	49.7	51.9	51.0	51.6	51.9	51.7	54.8	56.4	59.6	60.0	68.1	61.3	57.9	34.5	47.4	45.8	48.8	46.5	44.8	49.5	51.2	51.6
18	51.1	52.2	53.2	51.4	52.0	54.0	47.9	56.6	54.3	57.7	57.4	62.7	67.3	54.8	56.5	57.9	57.5	54.1	53.0	50.9	51.2	52.8	53.9	54.4	54.8
19	54.9	55.5	56.4	53.5	52.1	54.7	56.1	52.1	51.2	53.7	44.8	55.6	59.5	57.2	55.1	55.9	55.7	54.1	51.9	49.0	48.9	49.0	50.8	51.7	53.3
20	52.0	52.6	51.7	51.8	51.0	52.1	55.2	52.5	53.2	56.0	59.9	60.4	59.8	56.8	51.3	53.6	52.1	51.6	50.7	52.3	50.9	51.1	51.2	52.1	53.4
21 D	52.3	52.4	52.5	52.2	51.7	51.0	50.8	52.1	54.8	61.6	48.1	56.9	79.1	68.1	69.0	54.5	53.7	52.4	46.9	44.9	48.7	47.7	48.7	50.0	54.2
22	51.6	52.3	49.8	67.0	58.3	51.6	55.2	46.9	54.4	53.1	53.0	56.6	58.2	55.5	52.8	52.8	55.4	54.4	51.3	48.7	48.2	49.2	49.5	50.8	53.2
23	52.2	54.9	53.7	58.7	55.7	53.3	54.6	66.3	49.7	53.5	51.4	51.7	50.8	52.4	53.0	46.9	50.3	52.4	53.0	52.4	49.4	50.8	50.8	50.7	52.8
24	51.7	52.4	52.3	53.7	51.7	51.6	53.0	49.3	55.8	50.8	56.4	57.5	55.7	55.9	48.6	39.5	50.7	48.4	40.6	45.2	48.7	48.8	48.6	46.7	50.6
25	43.3	49.6	49.5	51.3	53.7	55.5	52.9	52.2	51.7	52.6	55.8	61.9	66.0	57.4	54.3	55.8	51.3	47.1	51.4	51.4	52.0	49.8	51.2	51.3	52.9
26 D	52.0	50.1	54.8	52.8	52.7	52.9	49.0	70.2	50.7	53.7	54.6	53.0	63.7	57.9	57.6	50.3	47.9	53.1	54.3	50,9	49.3	48.8	50.8	48.6	53.3
27	49.7	53.1	53.1	54.9	61.9	52.1	52.2	52.4	52.1	53.0	47.7	46.9	53.0	55.9	56.4	57.0	57.6	56.7	55.8	54.9	53.9	52.2	51.5	51.7	53.6
28 Q	52.1	52.6	53.0	53.3	54.5	53.3	51.7	52.2	51.4	47.8	51.8	57.0	58.6	58.6	56.0	54.3	57.0	56.4	55.8	53.7	52.1	51.6	51.0	51.2	53.6
29	51.4	52.0	52.5	51.8	53.0	52.9	52.2	53.1	51.7	51.4	51.2	53.0	54.0	54.1	54.7	55.5	56.7	58.3	57.8	53.3	51.5	50.4	49.1	48.7	52.9
30 Q	49.4	51.2	52.1	52.2	52.1	51.9	51.4	51.3	51.2	52.0	52.1	52.6	53.3	53.7	54.2	55.2	56.5	55.6	54.7	52.9	50.8	50.2	50.5	50.6	52.4
31																									
Mean	50.2	51.2	52.2	53.2	53.1	52.0	51.9	53.9	53.0	54.4	54.0	56.9	58.8	57.7	55.6	56.0	55.6	55.0	53.0	51.4	50.4	49.6	50.1	49.9	53.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 157. Meanook. (Z.) 59,000 γ + November, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	229	233	236	239	237	235	232	228	222	223	220	214	158	162	192	212	214	216	219	220	222	223	223	221	218
2	220	220	223	222	221	221	221	220	218	218	213	200	215	217	212	208	208	209	217	218	222	225	225	222	217
3 Q	222	221	223	221	220	222	219	219	212	173	182	212	214	212	214	218	217	215	216	219	222	223	221	220	215
4	220	222	227	225	223	224	225	225	220	214	202	201	212	214	215	214	213	213	212	214	219	221	223	221	218
5	221	221	223	222	222	222	221	216	211	213	212	212	212	210	212	214	219	225	221	223	225	223	221	220	218
6	219	221	228	225	229	231	235	211	178	124	146	161	158	189	214	213	213	214	220	222	224	226	224	223	206
7	224	225	229	227	226	231	222	210	175	173	178	193	203	209	212	217	216	214	215	218	220	226	220	228	213
8 D	233	232	243	264	247	130	174	178	112	220	182	046	-004	180	202	096	117	200	211	223	249	257	270	327	191
9 D	309	288	303	319	272	114	170	196	219	182	206	215	246	-008	008	123	205	195	213	242	255	263	260	268	211
10	328	309	270	309	293	278	257	247	241	234	233	232	232	233	235	235	235	234	232	232	237	235	233	230	251
11	230	231	236	236	232	231	229	227	225	225	224	223	220	218	219	226	225	222	222	228	230	230	230	230	227
12 Q	229	228	231	227	224	222	220	220	220	219	219	219	219	219	222	227	229	222	218	220	221	221	220	219	222
13 Q	218	219	223	223	221	219	223	222	220	221	221	219	219	219	221	226	227	226	224	225	225	224	224	219	222
14	217	217	221	220	218	217	217	217	217	217	217	217	216	216	217	214	201	190	189	193	211	238	249	259	217
15	258	251	238	236	234	237	240	242	240	238	232	231	230	231	233	236	237	236	237	237	241	239	250	251	239
16	249	249	246	242	242	239	240	240	241	237	230	207	227	237	242	241	241	238	238	239	241	241	243	243	239
17 D	241	245	252	255	265	272	277	254	253	241	193	188	196	144	078	143	159	221	240	250	262	276	263	262	226
18	269	272	271	262	273	265	178	209	240	216	147	080	183	251	241	239	237	237	239	247	247	253	248	249	231
19	253	250	266	257	248	246	256	245	243	213	059	167	232	241	240	243	239	241	241	248	248	251	250	249	234
20	248	243	247	245	243	242	242	241	188	056	117	175	189	195	196	215	218	220	227	238	241	243	244	244	215
21 D	239	240	240	239	235	234	234	229	210	118	047	091	105	163	101	183	224	214	240	257	290	308	261	248	206
22	241	254	272	289	276	250	175	099	209	220	202	175	182	201	190	206	225	233	236	241	245	247	250	248	224
23	252	283	297	295	293	252	236	070	130	214	234	231	229	215	184	177	225	236	241	241	247	257	248	247	231
24	259	249	250	250	248	248	241	185	169	187	191	208	223	202	143	165	205	242	261	262	276	279	293	314	231
25	324	289	298	285	264	215	245	244	238	180	053	101	121	148	234	229	212	228	225	238	244	252	250	246	224
26 D	250	267	291	284	259	254	130	094	167	148	200	132	120	238	231	227	237	268	256	258	267	268	266	269	224
27	271	270	274	274	252	249	255	247	241	234	205	193	236	246	247	260	259	250	249	251	260	260	258	257	250
28 Q	252	252	254	254	253	253	236	245	242	218	202	187	186	220	231	238	244	246	249	252	252	253	253	253	238
29	252	254	257	256	255	268	266	255	246	236	241	250	245	244	242	241	243	244	244	250	248	247	250	252	249
30 Q	255	252	254	249	246	245	245	244	244	242	241	241	243	243	242	242	240	240	240	241	243	242	242	245	244
31																									
Mean	248	247	251	252	246	232	225	213	213	202	188	187	196	204	202	211	219	226	230	235	241	245	244	246	225

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 158. Meanook. November, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	13	48	771	12	32	674	97	03	48	61.8	01	36	46.9	14.9	04	00	246	12	58	115	131
2	12	20	765	19	25	713	52	15	21	62.2	21	38	46.9	15.3	21	41	232	11	23	188	44
3 Q	11	17	759	09	03	711	48	09	20	61.4	23	52	48.5	12.9	20	52	226	10	00	169	57
4	11	23	768	20	11	721	47	14	17	57.5	19	35	46.5	11.0	22	10	225	11	28	189	36
5	13	00	760	18	53	716	44	16	06	56.9	21	42	49.7	7.2	17	15	227	13	23	202	25
6	13	52	767	12	16	658	109	16	03	59.8	09	38	46.4	13.4	06	15	239	09	49	104	135
7	06	03	763	22	15	702	61	12	08	60.6	21	35	46.6	14.0	24	00	234	08	44	156	78
8 D	23	48	921	12	42	312	609	12	09	171.7	04	29	04.6	167.1	23	48	367	12	01	-233	600
9 D	02	02	990	11	30	156	834	12	00	113.2	06	39	-20.6	133.8	06	26	403	14	20	-130	533
10	02	02	1016	18	22	710	306	03	26	64.1	00	13	42.1	33.0	00	54	376	02	08	224	152
11	13	47	756	19	18	706	50	17	07	61.7	21	31	47.5	14.2	03	15	242	13	52	213	29
12 Q	14	05	757	19	16	719	38	17	18	62.8	22	50	50.3	12.5	02	00	233	18	42	217	16
13 Q	06	10	763	19	56	717	46	16	58	60.0	21	42	49.5	10.5	16	57	228	08	44	215	13
14	23	16	777	21	12	680	97	17	03	65.7	21	37	40.5	25.2	23	13	267	17	52	185	82
15	00	40	823	22	11	697	126	16	43	60.4	00	13	40.4	20.0	00	38	266	11	43	227	39
16	13	05	767	11	18	707	60	15	10	59.9	00	00	45.4	14.5	02	00	252	11	24	190	62
17 D	11	45	785	14	20	447	338	14	56	76.1	16	23	21.1	55.0	21	53	307	14	14	035	272
18	12	08	802	11	33	562	240	12	47	73.7	06	28	37.2	36.5	01	56	290	11	31	040	250
19	12	08	784	10	29	462	322	05	56	64.5	10	39	38.9	25.6	02	26	273	10	23	010	263
20	12	56	765	09	54	612	153	10	01	68.2	14	13	46.0	22.2	06	55	252	09	03	015	237
21 D	16	16	795	10	28	389	406	12	08	91.1	09	04	30.9	60.2	20	59	334	12	08	-095	429
22	03	33	925	07	34	579	346	03	32	87.2	07	56	36.0	51.2	03	48	314	07	08	037	277
23	03	50	771	08	03	453	318	07	12	90.8	08	02	37.6	53.2	02	34	307	07	46	-022	329
24	23	35	844	14	30	544	300	08	12	65.3	07	38	22.2	43.1	23	58	336	07	37	067	269
25	05	38	810	10	45	488	322	12	16	72.2	05	42	37.5	34.7	00	00	338	10	33	-015	353
26 D	06	26	820	11	25	393	427	07	08	76.9	06	42	26.7	50.2	17	25	313	06	38	-004	317
27	04	28	805	11	40	653	152	04	24	71.4	10	37	44.3	27.1	04	04	295	11	36	156	139
28 Q	13	25	771	11	45	711	60	12	59	60.5	06	37	43.9	16.6	03	00	254	12	20	155	99
29	05	50	768	18	37	722	46	17	04	61.0	22	57	47.3	13.7	05	46	277	09	37	225	52
30 Q	08	40	763	19	58	736	27	16	26	58.4	21	07	49.4	9.0	02	05	255	11	19	240	15
31																					
Mean			804			602	202			71.9			38.3	33.6			280			102	178
No. days			30			30	30			30			30	30			30			30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 159. Meanook. (H.) 12,000 γ + December, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	756	760	761	762	763	763	763	763	763	764	762	763	764	764	765	763	756	753	752	752	753	756	758	763	760
2 D	766	765	764	761	762	763	763	762	753	735	724	676	617	729	741	727	691	642	649	665	670	736	797	800	727
3 D	833	969	1045	875	847	799	733	676	568	538	482	471	520	603	668	668	661	665	672	670	666	729	735	746	702
4	748	750	769	769	769	755	741	733	736	735	738	740	742	741	741	739	733	736	730	725	724	734	743	748	742
5	752	754	760	761	777	787	763	753	752	750	748	698	574	708	765	764	756	741	729	730	729	740	747	752	741
6	754	760	760	757	758	756	755	752	743	752	756	754	760	762	761	760	752	742	733	723	719	728	736	750	749
7	761	756	757	757	760	757	756	758	756	757	758	760	760	760	760	759	752	739	726	738	739	742	751	757	753
8 Q	762	763	763	763	762	762	760	759	758	758	758	759	764	763	763	758	753	746	738	733	732	744	750	758	755
9	762	761	764	764	763	764	763	762	760	753	751	745	745	759	762	756	746	724	700	716	735	740	753	760	750
10 D	763	777	790	781	790	791	800	765	754	716	520	602	701	672	559	404	676	653	621	677	689	726	731	749	696
11	746	753	744	741	750	734	733	733	723	728	722	738	733	731	734	734	729	720	723	723	731	730	733	742	734
12	745	747	753	753	752	751	722	723	746	747	744	736	657	693	752	753	748	744	733	728	730	734	740	740	736
13	740	748	757	760	760	761	758	755	749	722	727	779	720	747	763	758	750	739	726	723	717	725	737	747	744
14	756	765	756	762	776	778	766	760	756	743	745	747	760	749	739	747	749	756	732	706	694	711	746	749	748
15	756	750	757	756	764	759	778	761	757	756	755	756	755	751	745	757	757	743	741	735	736	733	738	743	752
16 D	753	763	765	766	765	762	759	757	746	756	756	746	769	763	764	763	743	667	672	722	687	735	754	770	746
17	912	781	759	767	763	824	736	673	236	497	526	481	598	691	764	717	732	732	730	711	713	718	748	738	690
18 D	797	767	763	746	745	743	733	692	502	718	709	340	523	536	470	363	468	576	659	696	701	721	732	737	643
19	742	741	740	740	738	774	712	521	482	676	635	606	525	552	622	597	633	627	666	707	721	729	740	756	666
20	795	775	762	767	755	745	739	732	717	674	736	750	742	653	674	719	703	699	719	738	727	733	768	777	733
21	764	760	761	755	752	739	733	633	708	755	735	567	596	750	735	751	755	744	735	736	742	733	739	749	726
22	757	755	741	748	753	776	755	619	271	357	550	347	585	762	762	760	742	726	731	742	746	748	751	753	676
23	742	755	763	765	757	765	753	746	746	747	743	746	748	741	742	765	764	753	746	745	746	744	743	745	750
24 Q	747	758	764	764	755	752	747	749	734	745	756	756	757	759	761	764	760	748	736	734	735	735	741	744	750
25	747	751	753	753	756	760	760	761	758	734	753	772	761	763	762	765	761	751	746	744	744	751	755	757	755
26 Q	751	754	758	762	761	760	760	758	758	758	758	758	758	764	765	764	755	745	737	737	740	750	756	758	755
27	755	758	765	764	764	763	762	762	759	757	760	760	761	764	764	766	760	749	743	738	738	749	755	758	757
28	756	761	767	769	768	767	764	763	760	760	759	758	770	765	763	788	780	755	743	739	741	750	758	764	761
29	767	769	770	769	767	765	761	758	756	742	717	770	781	781	781	780	766	754	741	740	740	749	751	750	759
30	757	760	761	765	766	766	764	763	762	763	764	766	766	762	782	778	749	742	736	737	736	748	757	755	758
31 Q	759	763	764	764	764	764	763	764	765	765	765	767	768	769	771	769	761	747	738	739	750	757	757	757	760
Mean	764	766	770	764	764	765	753	731	695	715	713	691	702	726	732	724	730	721	719	724	725	737	748	754	735

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 160. Meanook. (D.) East. 25° + . . . ′ December, 1938.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	50.9	51.7	52.0	52.0	52.1	52.0	52.0	51.9	52.0	52.4	53.6	53.5	53.7	53.3	54.2	54.9	55.2	55.3	53.9	51.9	50.6	49.9	49.3	49.6	52.4
2 D	50.4	52.0	51.9	51.9	52.1	52.1	52.0	51.2	54.5	64.6	63.4	59.5	57.9	68.2	58.9	52.8	49.8	46.8	47.6	53.7	51.5	49.2	47.4	46.6	53.6
3 D	46.0	39.9	31.3	42.1	50.8	49.3	49.3	51.5	55.6	76.1	67.8	86.4	76.6	76.1	61.4	48.7	44.5	38.3	42.1	49.8	40.5	45.2	49.5	45.6	52.7
4	49.6	51.4	52.0	52.1	53.9	52.8	53.9	55.1	54.8	55.1	55.6	55.8	55.5	55.6	55.9	57.0	58.4	56.0	54.4	53.2	52.4	52.4	51.9	52.0	54.0
5	52.2	52.6	53.0	52.1	50.8	45.0	51.5	53.0	52.4	52.8	54.8	59.8	63.2	72.6	58.4	60.6	60.8	57.8	55.6	52.5	51.7	51.4	50.9	51.3	54.9
6	51.1	53.3	52.7	53.2	53.1	53.6	53.1	52.9	49.6	51.9	53.5	53.6	56.3	55.8	55.5	56.6	58.2	57.7	56.4	53.9	51.9	50.3	51.1	51.6	53.6
7	50.9	52.1	53.0	53.1	53.9	53.8	53.7	51.9	52.2	53.5	54.0	54.3	55.6	55.4	55.1	56.1	57.0	56.3	53.7	51.1	50.1	50.8	51.2	51.7	53.4
8 Q	52.8	53.1	53.0	53.0	53.9	53.0	52.7	51.7	51.9	51.9	52.1	53.0	54.1	54.4	55.0	56.0	58.1	59.5	57.4	55.0	53.0	52.3	52.6	52.6	53.8
9	53.1	54.3	54.8	54.9	55.1	55.7	53.8	53.1	51.5	50.8	52.8	55.3	57.6	58.7	59.5	60.1	63.7	61.2	53.1	44.3	44.5	49.8	49.9	47.3	54.0
10 D	53.1	52.2	51.2	55.5	54.8	52.6	57.9	53.0	56.0	55.2	55.1	46.5	57.3	62.7	67.3	57.9	61.7	66.2	57.0	56.0	61.2	51.5	51.7	50.1	55.6
11	54.3	53.0	56.0	55.9	54.7	57.1	56.5	56.2	54.5	53.9	56.8	56.9	57.4	58.2	57.9	62.6	62.7	60.8	57.4	56.0	54.1	54.2	53.6	53.2	56.4
12	53.6	53.8	53.3	53.1	53.9	52.2	52.7	54.3	54.1	52.3	53.6	56.1	54.1	57.7	60.0	59.8	59.4	57.9	55.2	53.4	51.8	50.3	50.2	51.1	54.3
13	50.8	52.2	53.1	53.2	54.3	55.1	55.1	55.2	53.0	48.2	49.1	47.4	49.3	53.8	55.3	57.5	58.7	58.7	57.0	54.9	47.5	45.9	47.6	47.8	52.5
14	46.7	46.3	47.9	52.2	52.3	52.6	51.3	51.4	52.2	51.9	52.2	54.9	52.6	52.5	51.1	53.1	53.9	54.1	54.4	52.6	46.5	46.9	47.5	48.9	51.1
15	48.8	50.8	50.7	53.5	51.7	51.5	58.6	50.6	51.2	51.0	51.0	51.2	51.7	53.0	48.1	53.5	56.6	56.4	54.4	50.8	48.9	49.4	49.9	49.1	51.8
16 D	49.0	50.3	50.9	51.7	51.7	51.0	51.7	49.5	56.0	59.8	58.3	59.4	51.2	54.6	53.0	51.6	55.4	48.7	48.6	47.9	44.1	45.5	51.2	49.8	51.7
17	50.2	51.4	50.8	50.7	50.5	59.7	56.5	48.1	58.1	66.5	75.7	64.8	50.8	54.4	52.2	51.8	50.8	49.4	49.8	51.9	48.7	48.8	48.4	48.7	53.7
18 D	59.2	51.7	50.8	52.8	52.2	52.6	53.3	67.2	57.6	53.0	55.1	51.7	53.1	59.6	46.5	19.2	66.5	46.4	20.9	46.5	49.8	51.6	53.1	53.0	51.0
19	52.8	53.1	53.1	53.6	52.8	63.5	58.8	62.4	49.8	67.9	63.3	69.2	65.5	49.3	52.2	42.9	46.4	35.3	43.6	46.0	49.0	49.0	47.7	49.0	53.2
20	49.6	51.3	52.8	63.5	51.5	53.0	52.8	51.9	56.6	59.6	54.7	53.1	52.7	50.5	52.7	50.2	50.8	45.0	42.1	45.6	48.2	47.8	46.0	47.8	51.2
21	51.0	52.5	53.5	53.7	53.0	52.1	54.2	56.5	54.9	50.9	55.0	56.4	50.9	53.0	52.8	56.5	57.6	56.4	54.6	52.6	50.7	51.0	50.4	51.0	53.4
22	51.7	51.5	56.1	53.7	53.1	55.3	60.4	46.4	49.6	111.5	76.7	84.0	73.2	56.7	54.6	54.4	51.2	48.2	47.2	46.4	45.8	48.2	49.1	51.0	57.3
23	51.6	53.0	53.0	52.9	55.4	54.1	50.9	51.2	51.6	51.7	51.7	50.7	52.6	51.8	50.8	54.8	56.1	54.9	53.0	51.8	50.4	50.2	50.7	50.4	52.3
24 Q	50.8	51.6	54.9	53.1	53.0	52.6	52.2	58.7	53.1	52.3	51.6	52.2	52.3	52.8	53.7	55.7	58.5	57.6	56.8	54.6	51.8	50.4	49.8	50.5	53.4
25	50.8	52.4	53.0	53.1	52.4	51.8	51.7	53.1	52.2	52.3	55.7	51.9	51.2	53.0	54.8	54.8	56.8	55.2	53.4	52.4	50.8	50.5	51.1	51.2	52.7
26 Q	51.3	51.4	52.8	52.8	51.8	51.7	51.6	51.5	51.5	51.7	51.7	51.8	52.1	52.9	53.9	55.8	57.4	57.3	56.0	52.0	49.8	49.4	50.0	50.3	52.4
27	50.4	51.2	51.2	51.7	52.4	52.6	52.0	51.4	51.9	52.1	51.3	51.3	51.7	52.2	53.0	54.6	56.8	58.5	57.0	54.1	49.8	47.3	47.4	47.5	52.1
28	48.7	50.8	50.9	52.1	53.0	52.3	52.0	51.5	51.3	52.1	53.1	53.1	53.6	58.7	59.0	61.4	59.7	57.7	56.0	52.3	50.0	47.2	48.5	48.9	53.1
29	49.9	50.5	51.6	52.1	52.1	52.1	52.2	52.0	54.6	58.3	52.8	55.1	53.1	54.1	54.1	54.1	57.4	57.7	56.0	52.7	49.5	48.4	47.8	48.8	52.8
30	49.6	50.8	52.2	52.2	53.0	52.0	51.2	51.5	51.0	51.0	51.3	51.2	51.4	49.3	53.0	55.4	57.4	52.5	51.5	51.2	48.8	48.3	47.6	47.3	51.3
31 Q	48.4	51.0	52.4	53.6	53.1	52.2	51.7	52.2	51.8	52.1	52.1	51.2	51.2	52.2	52.8	54.1	57.2	57.9	56.1	52.8	50.0	49.8	50.0	50.1	52.3
Mean	51.0	51.4	51.8	52.9	52.8	53.1	53.5	53.2	53.1	56.9	56.0	56.5	55.5	56.2	54.9	53.7	56.6	54.2	52.0	51.6	49.8	49.4	49.8	49.8	53.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 161. Meanook. (Z.) 59,000 γ + December, 1938.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	244	246	250	249	247	247	247	246	246	244	241	241	241	241	240	241	241	240	239	238	239	240	241	241	243
2 D	242	242	249	249	249	248	247	245	212	158	171	181	087	126	156	139	134	140	180	236	272	306	276	280	209
3 D	275	219	282	321	290	248	264	264	227	243	248	187	116	081	086	058	110	136	194	244	241	261	261	270	214
4	295	276	270	270	277	265	263	257	253	254	254	252	251	251	253	255	250	249	249	251	252	254	258	256	259
5	252	253	258	262	282	318	279	264	257	257	251	204	080	153	209	241	240	243	245	247	254	254	254	255	242
6	262	265	259	255	259	257	256	256	238	239	257	255	253	254	254	254	254	255	256	258	262	261	260	261	256
7	264	257	259	258	261	260	258	258	257	254	251	249	249	250	252	253	253	254	254	255	254	255	255	257	255
8 Q	257	256	256	255	257	256	252	251	250	249	249	249	248	248	248	245	245	244	244	247	251	250	249	247	250
9	246	251	258	258	260	259	258	253	248	247	243	238	229	235	240	245	247	245	239	241	255	270	292	309	253
10 D	293	302	339	323	312	310	290	260	266	235	155	171	192	143	133	093	205	254	277	307	299	304	293	316	253
11	293	299	282	277	287	277	269	269	275	278	254	262	261	261	257	260	263	263	265	261	262	265	268	267	270
12	264	266	267	269	267	270	252	241	262	264	261	253	154	182	254	263	264	264	267	264	265	266	268	266	255
13	272	272	276	275	282	280	270	261	256	216	234	202	224	237	263	266	263	257	251	262	274	277	278	280	260
14	282	284	310	300	294	288	279	272	270	264	247	243	262	254	243	247	248	249	253	264	271	271	274	271	268
15	279	273	279	286	287	287	288	272	280	271	266	265	261	254	250	255	261	259	260	260	261	263	267	266	269
16 D	265	267	273	272	270	272	277	248	224	247	265	235	261	245	258	259	246	235	250	288	277	303	301	315	265
17	309	282	290	313	304	357	291	215	110	164	108	191	149	167	254	244	268	268	277	292	308	299	301	301	253
18 D	363	309	312	301	286	284	278	252	193	261	240	007	006	003	140	001	236	296	313	315	293	305	294	284	232
19	282	285	286	288	294	273	226	154	142	210	182	094	054	105	183	119	192	206	269	279	292	302	308	326	223
20	319	296	293	298	291	287	279	252	180	193	253	275	263	201	217	214	199	218	226	256	279	297	319	315	259
21	292	280	277	275	275	285	274	216	196	274	256	171	199	249	252	267	266	268	272	280	281	279	278	277	260
22	274	275	289	303	307	292	215	217	-063	168	201	160	172	218	254	264	254	257	280	282	284	286	289	292	240
23	295	300	291	290	290	279	272	273	272	272	263	252	260	262	272	277	271	270	271	276	274	272	274	276	275
24 Q	276	283	293	285	278	276	274	264	232	255	274	276	276	274	273	275	276	277	277	280	283	286	281	279	275
25	282	284	291	283	277	276	277	275	275	250	235	272	272	272	269	272	270	272	278	284	284	282	279	278	274
26 Q	279	280	282	279	273	271	269	269	270	269	268	266	268	269	271	272	275	276	279	277	276	274	272	272	273
27	275	274	277	276	275	273	272	269	269	268	266	265	264	263	266	269	273	272	270	267	267	266	263	265	269
28	269	273	279	278	280	277	272	269	271	269	260	254	268	257	248	246	250	258	260	263	265	268	266	265	265
29	265	265	264	261	259	259	259	260	230	211	165	231	252	253	253	256	257	258	260	261	262	263	265	264	251
30	266	268	272	272	271	266	262	262	262	262	258	255	255	261	268	263	260	258	258	262	263	267	270	270	264
31 Q	270	270	271	268	266	266	268	267	266	265	263	262	261	263	260	263	268	268	267	265	264	263	264	264	266
Mean	278	273	278	279	278	276	266	253	230	242	237	223	212	217	235	228	243	249	257	266	270	274	275	277	255

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 162. Meanook. December, 1938.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	14	20	766	19	11	747	19	17	27	57.0	21	53	48.6	8.4	02	00	248	19	32	235	13
2 D	22	23	829	12	01	476	353	13	18	72.5	17	48	33.4	39.1	21	31	319	12	28	038	281
3 D	02	27	1147	12	05	431	716	11	41	101.7	01	41	15.6	86.1	02	13	341	14	59	-025	366
4	04	33	786	19	56	718	68	16	30	60.2	00	01	42.3	17.9	00	55	306	17	04	246	60
5	05	00	808	12	18	526	282	13	07	80.0	05	08	40.0	40.0	05	51	337	12	27	063	274
6	09	50	775	08	56	689	86	16	11	60.3	08	53	38.5	21.8	00	59	266	08	55	150	116
7	03	58	765	18	17	703	62	17	05	58.0	20	30	49.5	8.5	00	09	267	12	12	244	23
8 Q	05	09	765	19	48	729	36	17	49	60.8	07	28	51.1	9.7	05	00	259	16	00	244	15
9	14	02	774	18	08	694	80	16	29	67.2	20	14	41.4	24.8	23	36	322	14	42	223	99
10 D	06	44	823	15	18	269	554	14	07	84.3	14	27	22.0	62.3	02	20	345	15	37	-039	306
11	01	18	771	08	52	685	86	16	19	70.8	08	59	45.5	25.3	01	28	317	10	42	244	73
12	13	49	777	13	03	598	179	13	16	64.9	07	18	42.9	22.0	15	52	284	13	11	100	184
13	14	05	770	11	14	663	107	17	37	60.8	12	01	41.4	19.4	20	25	284	11	14	178	106
14	05	44	781	20	19	672	109	11	40	58.8	20	50	42.7	16.1	02	55	314	14	32	229	85
15	06	39	812	21	23	728	84	06	48	74.0	07	42	46.9	27.1	06	37	329	14	37	239	90
16 D	23	53	939	18	05	603	336	23	47	66.7	23	59	26.9	39.8	23	46	366	07	56	160	206
17	00	25	978	08	30	065	913	10	55	85.7	04	58	32.1	53.6	05	07	393	08	19	029	364
18 D	00	38	843	11	50	142	601	13	36	93.1	15	01	-14.7	107.8	19	07	400	11	53	-192	592
19	05	30	862	07	46	225	607	12	32	84.2	08	05	22.7	61.5	23	42	351	12	28	-007	358
20	00	41	814	13	55	551	263	03	36	78.0	04	11	35.0	43.0	03	33	350	08	12	104	246
21	00	05	771	11	50	401	370	11	54	68.0	12	20	44.4	23.6	05	41	300	11	36	087	213
22	05	52	859	11	35	058	801	09	04	231.2	08	41	-14.0	245.2	09	03	598	08	27	-494	1092
23	05	08	772	13	50	726	46	04	52	66.0	14	13	48.8	17.2	01	00	303	11	37	243	60
24 Q	03	14	776	08	41	726	50	07	16	66.3	21	53	48.9	17.4	02	39	298	08	41	213	85
25	10	48	777	09	36	717	60	16	25	57.4	11	49	49.8	7.6	02	13	297	10	07	216	81
26 Q	14	28	767	18	58	732	35	17	22	58.9	21	13	48.7	10.2	02	30	282	11	15	265	17
27	02	06	768	20	20	734	34	17	50	59.7	22	09	46.4	13.3	02	30	277	13	30	263	14
28	15	42	789	20	04	733	56	15	37	64.4	21	30	45.8	18.6	04	04	281	15	27	238	43
29	11	14	781	10	14	699	82	09	25	60.8	10	08	44.0	16.8	00	32	265	10	27	129	136
30	13	50	777	18	55	727	50	16	42	59.4	23	00	46.5	12.9	22	59	274	17	56	252	22
31 Q	14	23	773	18	43	733	40	17	13	58.5	00	03	47.4	11.1	00	45	274	14	31	257	17
Mean			813			578	235			67.1			37.4	29.7			318			133	185
No. days			31			31	31			31			31	31			31			31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 163. Meanook. (H.) 12,000 γ + January, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	747	750	756	756	755	749	742	743	746	749	747	745	748	750	753	757	755	739	729	727	729	735	741	749	746
2	751	752	751	749	745	745	743	743	742	737	736	738	751	757	770	763	757	745	733	728	733	740	751	752	746
3 Q	751	751	748	746	744	744	746	747	751	753	753	750	746	762	760	761	755	745	739	739	734	738	747	752	748
4	756	756	756	754	754	753	752	751	751	752	754	756	755	758	761	761	756	750	745	744	747	753	760	760	754
5 D	762	763	765	766	756	757	762	762	761	759	758	758	756	754	770	763	756	749	743	735	734	737	739	744	754
6	750	758	755	762	760	755	752	750	746	748	748	733	747	747	749	747	734	728	738	734	739	736	747	753	746
7	754	750	751	756	758	754	755	752	751	736	728	758	745	746	758	757	753	745	739	731	725	722	738	738	746
8	748	759	752	754	756	751	747	743	743	738	737	743	752	750	755	754	743	735	724	715	724	731	741	743	743
9 D	739	756	755	756	748	742	719	562	513	645	693	650	742	747	746	749	746	740	732	732	733	737	740	744	715
10	754	763	755	752	730	742	751	737	742	737	742	702	611	730	754	753	750	741	732	725	723	724	733	740	734
11	741	747	755	750	751	751	752	751	741	736	711	710	697	747	746	738	739	730	732	725	722	724	748	751	737
12	748	755	751	752	744	747	768	753	745	739	739	738	740	739	741	749	746	738	731	728	728	729	737	741	743
13	744	750	749	752	750	750	746	746	749	747	745	743	737	740	747	748	744	736	730	728	730	734	743	744	743
14	736	752	753	750	750	738	740	739	740	740	737	706	704	732	708	701	735	725	717	719	726	723	707	718	729
15	741	750	747	742	729	734	739	731	693	682	754	751	741	733	745	748	744	733	723	721	724	732	738	737	734
16	731	744	746	746	745	743	739	739	731	729	752	751	745	747	754	751	741	737	727	718	708	705	730	750	738
17 D	745	741	779	774	764	724	691	678	706	733	706	562	659	764	758	757	747	729	722	718	720	718	724	738	723
18	739	739	752	748	740	730	701	716	745	745	742	741	742	743	746	747	745	734	729	720	719	719	712	725	734
19	737	739	741	741	737	729	730	737	722	742	741	741	734	743	752	754	746	740	735	731	722	720	723	733	736
20	728	732	729	740	736	731	728	732	714	717	636	727	740	744	746	749	745	737	727	723	726	729	730	730	728
21 D	722	725	726	736	735	733	726	731	725	711	699	715	736	686	669	732	740	712	690	725	731	732	734	734	721
22 D	738	737	742	741	738	736	736	744	739	739	738	740	743	742	750	753	745	737	701	706	729	726	715	720	735
23	726	740	751	740	731	741	735	736	708	647	700	738	747	738	686	696	738	723	718	717	713	721	729	736	723
24	739	740	744	746	736	740	750	725	670	743	748	743	740	739	741	741	733	727	723	721	724	728	727	732	733
25	737	745	749	749	746	737	738	736	740	740	737	732	738	749	750	745	735	728	719	718	720	721	730	732	736
26 Q	732	735	742	743	739	739	737	736	738	738	738	739	739	735	747	745	735	724	718	713	713	719	729	740	734
27 Q	739	740	741	742	741	740	739	739	740	741	742	744	745	745	745	742	731	721	711	707	711	723	736	743	735
28	745	748	751	750	748	746	745	744	744	745	746	750	747	752	751	757	746	737	725	720	723	725	733	739	742
29	737	741	754	751	744	738	739	740	740	741	740	742	746	748	749	744	735	725	721	716	715	716	721	731	736
30 D	734	738	742	742	740	736	738	740	742	741	740	739	746	744	740	742	743	740	734	732	728	728	731	738	738
31	743	745	741	738	737	736	734	736	731	699	738	732	736	750	747	744	738	733	727	724	725	726	730	735	734
Mean	742	746	749	749	745	742	739	733	727	731	733	730	734	744	745	747	744	734	726	724	725	727	734	739	737

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 164. Meanook. (D.) East. 25° + . . . ' January, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	50.2	51.0	51.3	52.2	52.2	52.0	53.1	53.9	51.0	50.8	50.8	50.3	53.0	54.5	52.9	54.6	57.5	58.0	55.8	53.1	50.4	49.3	49.1	50.1	52.4
2	50.5	51.3	52.6	52.8	54.9	51.4	50.9	51.6	53.2	56.5	58.1	55.1	55.1	52.8	55.1	58.3	58.8	58.1	56.0	52.8	49.1	48.2	48.6	49.3	53.4
3 Q	51.4	52.1	52.7	52.8	52.8	52.4	51.7	52.3	50.7	52.0	52.2	51.3	50.6	52.8	53.7	54.1	55.8	56.2	55.6	53.9	51.5	50.8	50.5	51.0	52.5
4	51.3	52.0	52.4	52.6	52.3	51.4	51.2	50.9	51.1	50.5	51.5	50.8	51.5	52.6	53.3	53.8	55.7	55.6	53.6	50.6	48.9	48.4	48.4	49.6	51.7
5 D	50.4	50.8	51.7	52.0	50.9	51.2	50.1	51.8	49.8	53.5	54.8	56.9	57.7	54.4	57.8	57.9	56.4	54.8	52.1	48.8	48.4	48.7	49.6	50.4	52.5
6	49.2	49.7	50.5	50.3	49.8	50.5	50.3	49.8	50.3	50.6	51.4	50.8	53.8	52.8	56.9	57.2	55.5	48.5	46.9	46.4	47.3	48.2	47.4	48.2	50.5
7	49.1	51.6	52.7	51.8	50.7	50.8	49.2	50.1	50.9	52.4	50.1	55.7	56.0	52.9	55.1	54.3	51.6	51.4	53.0	50.4	47.5	46.4	47.3	47.9	51.2
8	48.6	49.8	50.9	53.8	49.8	49.2	50.0	50.1	51.2	50.8	52.6	52.3	54.0	52.4	54.3	54.4	56.0	54.5	52.2	49.5	47.2	46.0	47.9	49.2	51.1
9 D	48.9	49.9	50.9	52.7	55.8	55.3	53.8	45.8	55.2	67.4	60.6	50.0	53.8	54.7	56.2	57.7	58.2	57.9	57.1	53.2	50.0	50.4	50.4	51.6	54.1
10	51.5	53.4	54.2	54.2	57.0	54.4	53.0	54.3	56.4	54.5	55.1	63.0	59.9	65.1	68.3	65.2	58.1	56.8	55.0	52.5	49.6	50.4	51.8	50.9	56.0
11	52.0	54.2	52.9	53.1	52.8	52.6	53.5	53.4	53.1	55.4	53.9	58.4	58.5	58.7	59.5	60.7	58.5	55.8	53.8	51.2	51.2	47.0	47.4	48.5	54.0
12	50.3	51.6	53.5	53.9	53.5	54.0	54.2	48.7	49.7	52.6	53.8	54.4	56.4	57.0	53.5	58.2	57.3	56.8	55.4	53.6	51.9	51.6	52.1	52.1	53.6
13	51.6	52.3	54.3	53.9	53.4	53.0	52.4	52.5	52.5	53.0	53.8	54.6	54.8	56.5	59.4	59.4	56.9	55.8	54.8	53.1	51.9	51.4	51.0	49.8	53.8
14	49.6	51.5	50.8	52.0	51.6	53.0	52.8	53.2	53.5	53.7	54.6	52.6	58.1	64.3	54.5	51.1	53.1	54.9	55.2	53.6	51.7	50.9	50.5	51.7	53.3
15	52.8	54.5	54.4	54.0	56.5	53.7	52.6	54.4	52.1	51.6	55.6	54.9	56.1	54.6	58.4	57.0	58.5	57.5	54.6	53.7	52.7	52.1	52.3	53.1	54.5
16	52.7	53.5	53.9	54.0	54.0	53.7	53.7	53.7	54.6	54.7	54.9	54.1	56.1	55.2	55.5	55.6	56.0	54.4	54.4	53.4	52.3	46.6	47.0	48.8	53.4
17 D	49.4	52.5	52.5	57.3	59.6	57.0	56.2	62.0	55.1	52.1	53.7	51.8	58.9	54.6	58.8	57.5	58.0	58.4	56.3	52.6	49.7	48.3	48.2	50.3	54.6
18	49.2	51.4	53.1	55.2	55.1	58.6	59.4	55.2	54.3	54.4	54.2	53.4	54.1	54.5	56.1	56.7	58.0	58.3	57.7	56.1	53.8	51.9	50.6	50.6	54.7
19	50.8	52.1	53.7	54.3	53.5	53.7	53.3	53.0	49.8	54.2	54.1	52.5	51.7	51.5	54.2	55.4	56.3	56.8	58.6	56.3	54.2	50.1	49.4	47.3	53.2
20	49.2	53.0	54.1	54.6	54.2	57.7	54.3	57.7	56.3	60.4	53.3	52.4	54.5	56.3	56.3	56.5	57.4	57.0	54.0	52.6	48.9	51.7	54.0	52.2	54.5
21 D	53.4	52.4	55.1	56.5	53.6	53.7	53.7	56.5	54.1	60.4	62.2	58.3	57.8	54.5	51.9	54.8	53.0	52.0	46.9	50.8	50.4	51.0	51.3	54.4	54.1
22 D	53.7	53.4	53.7	53.7	52.7	52.4	53.5	54.4	53.0	53.3	53.3	52.4	53.8	52.9	55.9	58.7	56.5	55.5	53.7	45.7	48.7	49.4	51.4	51.4	53.0
23	52.5	54.2	55.4	55.3	57.8	63.1	47.7	53.2	52.1	43.2	59.4	60.7	56.2	56.6	50.0	47.9	52.7	54.6	54.4	52.2	50.6	50.8	52.3	52.9	53.6
24	53.2	53.7	53.9	53.8	53.3	55.5	55.4	60.6	46.5	53.4	55.1	54.4	55.2	55.3	56.1	57.7	57.5	56.6	55.1	52.8	50.7	49.9	52.2	52.0	54.2
25	53.5	53.3	53.5	53.6	53.2	55.0	52.3	45.7	49.7	53.2	54.4	55.5	54.9	54.7	55.8	55.8	56.1	55.7	54.3	52.3	51.1	50.6	51.7	52.1	53.2
26 Q	52.3	52.8	53.2	53.6	53.3	52.7	52.7	52.9	52.6	52.7	52.9	53.3	54.3	53.1	55.9	58.0	57.6	58.0	57.1	55.1	52.2	50.6	50.7	51.5	53.7
27 Q	52.0	52.6	52.8	53.2	53.3	53.1	52.6	52.4	52.2	52.2	52.6	53.1	53.5	54.2	55.1	56.2	58.0	58.8	58.0	55.8	52.8	51.4	51.2	51.3	53.7
28	51.6	52.2	52.7	53.1	53.2	52.4	51.9	52.3	52.7	52.0	53.5	54.0	53.4	54.2	55.3	57.1	57.8	57.5	53.5	51.4	49.8	48.9	48.4	48.4	52.8
29	47.6	49.9	52.9	53.3	53.6	54.1	53.8	53.7	53.2	53.5	53.0	53.6	53.6	54.1	54.9	56.5	58.4	59.3	58.6	55.9	53.5	50.8	49.0	49.1	53.6
30 Q	49.2	51.1	52.7	53.4	53.0	52.7	53.0	52.8	52.7	53.7	53.2	54.1	54.5	53.5	55.4	56.2	57.2	57.4	56.5	56.1	52.9	52.3	51.8	51.8	53.6
31	51.9	51.9	52.4	52.7	54.1	52.8	51.1	52.7	53.6	54.1	55.6	52.0	52.9	54.3	55.8	56.1	55.1	56.0	55.6	54.4	53.0	51.7	51.8	51.5	53.5
Mean	51.0	52.1	53.0	53.5	53.6	53.6	52.7	53.0	52.4	53.6	54.3	54.1	55.0	55.0	55.9	56.5	56.6	56.1	54.7	52.6	50.8	49.9	50.2	50.6	53.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 165. Meanook. (Z.) 59,000 γ + January, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	258	255	258	259	258	260	266	270	265	262	258	254	247	247	255	261	270	268	265	265	264	265	264	261	261
2	260	262	263	263	265	264	263	263	256	234	238	232	240	242	255	253	253	255	256	258	259	259	258	258	254
3 Q	257	260	266	264	262	260	258	258	246	251	253	252	247	252	255	256	258	259	259	259	259	259	259	260	257
4	260	260	264	264	263	263	263	263	263	258	258	253	253	256	258	257	257	255	253	251	252	257	257	257	258
5 D	256	254	259	255	259	260	262	264	265	266	254	245	235	230	239	243	251	256	266	257	265	268	275	271	256
6	271	271	272	271	272	271	272	271	271	270	262	228	228	249	259	259	252	249	243	249	258	265	268	270	260
7	271	269	277	275	278	285	285	287	285	275	264	272	271	271	270	269	267	267	269	273	279	282	286	279	275
8	284	292	302	313	290	276	278	278	279	273	253	257	271	278	271	272	271	271	272	280	309	293	284	285	280
9 D	288	292	301	326	325	294	260	096	164	163	218	213	286	281	271	280	278	273	273	271	272	277	282	287	261
10	280	293	292	282	292	293	276	264	271	266	249	217	120	220	252	257	267	272	269	273	275	275	277	281	263
11	277	280	289	287	289	290	280	273	266	268	229	202	229	278	275	264	278	265	268	271	273	285	295	301	271
12	291	289	282	281	280	282	271	291	290	281	278	274	267	262	275	271	272	271	273	273	275	275	273	271	277
13	273	274	278	278	278	277	274	274	273	272	271	267	261	256	261	261	264	267	267	268	268	269	269	268	270
14	274	279	294	286	290	284	276	268	257	263	262	215	195	229	233	205	238	261	272	277	279	279	280	278	261
15	285	280	285	278	284	283	275	244	169	238	239	269	261	250	246	258	260	267	272	280	283	282	277	275	260
16	276	278	275	273	270	268	268	267	251	240	259	270	266	264	266	268	265	260	263	268	271	275	275	286	268
17 D	292	322	354	343	351	291	253	220	227	269	239	080	109	269	272	274	272	274	278	280	280	279	278	281	266
18	283	292	297	287	294	282	226	244	289	292	284	280	279	278	277	277	280	281	284	285	285	286	286	281	280
19	282	284	284	281	282	284	284	279	240	259	268	268	270	270	273	271	270	270	270	270	270	270	275	284	273
20	286	312	319	301	296	299	298	295	271	268	217	253	267	270	271	273	274	277	274	272	273	275	279	285	279
21 D	281	292	299	284	280	276	275	280	263	241	224	236	254	207	165	204	218	242	258	273	268	273	276	278	256
22 D	276	277	278	275	280	281	277	261	258	269	269	263	261	262	270	265	268	271	274	274	280	294	294	318	275
23	318	304	299	292	287	269	238	267	244	119	210	243	269	256	219	209	242	258	277	281	287	285	289	287	260
24	288	285	286	281	287	282	293	280	188	254	280	276	273	263	266	268	273	277	279	279	278	278	282	280	274
25	277	282	282	279	278	282	280	217	268	278	269	257	257	270	270	268	276	278	279	278	280	282	281	279	273
26 Q	277	279	280	278	277	278	278	278	278	277	275	272	268	267	269	272	273	277	279	280	279	278	277	277	276
27 Q	277	276	280	279	277	274	274	274	272	272	272	272	272	272	274	274	276	276	277	277	277	279	275	271	275
28	270	271	274	271	269	272	272	273	273	269	269	265	262	261	269	273	271	271	271	269	271	273	271	274	270
29	279	290	295	288	288	282	281	280	278	279	279	275	278	280	281	282	283	285	285	284	284	284	280	279	282
30 Q	277	276	277	276	278	280	280	279	278	278	277	267	268	269	272	277	280	280	282	281	279	280	280	279	277
31	279	279	281	282	282	282	279	276	263	190	241	256	242	258	262	262	263	265	267	269	272	274	274	275	266
Mean	278	281	285	282	283	278	272	262	257	251	256	248	249	259	260	261	265	268	270	272	274	276	277	278	268

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 166. Meanook. January, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	16	00	761	19	20	724	37	06	52	63.2	23	37	48.9	14.3	07	07	276	12	46	243	33
2	14	23	775	19	12	725	50	10	15	60.4	22	02	48.0	12.4	14	25	267	10	15	047	220
3 Q	13	37	765	20	36	733	32	17	14	56.9	08	42	48.2	8.7	02	22	267	08	41	232	35
4	22	40	763	19	54	736	27	17	04	56.8	21	45	47.6	9.2	06	56	264	19	55	248	16
5 D	14	43	783	19	59	726	57	15	16	63.3	08	32	42.4	20.9	08	54	278	14	12	217	61
6	01	46	763	16	30	719	44	13	54	62.2	19	41	44.3	17.9	24	00	279	11	51	198	81
7	10	42	773	10	16	678	95	12	08	59.7	10	11	44.4	15.3	22	24	293	10	20	237	56
8	03	22	767	19	22	710	57	03	08	62.8	21	07	44.8	18.0	03	20	328	10	07	244	84
9 D	24	00	769	07	40	425	344	09	14	79.1	07	39	29.4	49.7	03	44	346	07	50	008	338
10	00	09	775	12	14	557	218	14	31	72.3	20	48	48.0	24.3	04	57	302	12	39	078	224
11	22	49	774	12	38	684	90	15	17	62.2	22	04	43.2	19.0	22	51	311	11	07	191	120
12	06	07	782	19	36	722	60	06	06	65.8	07	21	47.5	18.3	07	56	299	06	17	247	52
13	03	21	757	18	37	725	32	15	10	62.5	23	43	48.7	13.8	03	04	280	13	36	247	33
14	01	46	764	15	28	636	128	13	11	68.6	11	45	42.3	26.3	02	36	303	12	05	135	168
15	10	34	764	09	03	638	126	14	28	62.3	09	06	44.1	18.2	04	28	296	08	53	092	204
16	23	49	765	20	58	690	75	16	14	57.9	21	39	45.5	12.4	23	45	294	09	46	235	59
17 D	03	15	830	11	25	409	421	07	32	66.8	11	33	45.6	21.2	04	02	407	12	15	030	377
18	02	20	765	06	47	640	125	06	17	78.3	06	42	44.5	33.8	02	19	304	06	36	178	126
19	15	10	755	22	00	709	46	18	34	60.9	23	17	45.3	15.6	05	55	290	08	42	227	63
20	14	39	753	10	23	601	152	05	58	64.7	06	17	46.0	18.7	02	41	329	10	27	187	142
21 D	15	29	762	14	05	627	135	10	37	66.1	18	31	41.0	25.1	02	50	307	14	59	137	170
22 D	07	53	759	18	54	673	86	15	57	62.5	19	03	41.0	21.5	24	00	327	08	03	251	76
23	05	53	760	09	40	598	162	03	37	78.2	07	27	34.2	44.0	00	00	327	09	24	060	267
24	05	34	786	08	20	633	153	05	20	65.7	08	32	41.0	24.7	06	39	311	08	37	150	161
25	06	59	774	19	46	710	64	05	53	72.0	07	14	39.4	32.6	05	52	293	07	18	198	95
26 Q	14	24	749	20	01	712	37	17	19	58.7	21	52	50.2	8.5	19	25	281	13	44	264	17
27 Q	13	50	746	19	30	705	41	17	05	59.7	22	48	51.1	8.6	21	00	281	10	00	271	10
28	15	34	762	19	45	716	46	17	48	61.8	23	51	46.6	15.2	22	22	280	13	03	256	24
29	02	42	760	20	03	710	50	18	27	61.3	00	33	46.9	14.4	02	10	296	11	22	274	22
30 Q	12	30	748	20	41	723	25	17	18	60.7	00	24	49.0	11.7	18	35	282	11	41	261	21
31	13	16	751	09	32	670	81	04	42	60.3	11	49	47.7	12.6	04	43	285	09	47	128	157
Mean			766			667	99			64.3			44.7	19.6			299			186	113
No. days			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 + February, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	740	746	747	746	746	746	748	748	748	745	753	740	708	731	760	761	744	716	672	699	714	729	765	737
2	817	851	850	809	746	745	806	741	749	733	711	712	722	725	722	729	733	701	674	698	698	738	716	710	743
3	744	744	742	753	806	778	753	745	741	732	719	700	694	728	724	734	734	739	736	733	734	719	716	734	737
4	750	746	741	735	731	737	752	746	741	731	667	599	732	747	750	743	732	721	720	715	715	719	723	726	726
5	726	729	733	740	741	741	749	742	738	732	683	719	736	746	740	738	729	724	723	724	712	697	722	737	729
6 D	739	763	757	740	742	769	750	741	730	693	293	151	096	132	269	413	267	461	630	673	730	806	875	935	590
7 D	876	888	991	1007	921	834	805	830	753	598	471	611	523	493	694	701	705	712	699	700	697	699	719	720	735
8	722	732	732	738	735	734	733	732	728	728	727	727	725	718	722	732	722	715	704	690	688	700	702	714	721
9	718	731	739	741	744	748	749	738	737	733	723	610	662	717	740	738	726	709	674	663	689	680	710	732	715
10	709	747	755	774	777	773	749	749	740	705	729	745	732	716	741	746	726	670	699	712	719	726	734	733	734
11	717	734	764	795	739	732	757	733	718	668	464	566	703	748	745	743	738	733	729	729	727	727	726	727	715
12 Q	731	734	737	739	740	738	736	739	741	739	740	743	743	740	737	736	741	739	727	723	720	720	726	735	735
13 Q	741	747	747	747	747	748	746	745	745	744	745	745	746	747	752	754	755	749	743	738	738	730	723	728	744
14	734	740	736	738	738	739	737	736	729	727	737	730	732	744	749	749	745	742	738	732	738	742	739	738	738
15	741	736	733	745	745	755	747	750	735	725	717	744	757	758	748	740	744	740	739	732	738	746	747	748	742
16	745	741	745	763	866	776	757	634	687	721	712	711	716	711	628	713	713	723	722	721	727	726	729	739	726
17	739	739	738	738	736	738	738	635	710	715	677	710	602	631	655	697	727	725	724	723	710	723	725	733	708
18	733	738	741	740	739	739	734	681	718	707	722	728	726	735	738	737	733	734	726	726	724	724	721	707	727
19	727	740	733	741	737	736	735	763	738	712	694	712	692	691	733	733	739	733	727	723	712	725	728	729	726
20	732	741	734	732	734	741	743	743	742	741	742	744	746	737	734	725	711	715	720	713	723	725	727	729	732
21 Q	729	731	733	733	737	741	739	738	737	739	741	743	746	745	742	742	740	735	726	721	718	720	724	726	734
22 Q	734	739	741	741	740	740	740	741	747	745	740	727	750	753	749	746	736	731	724	728	724	725	725	732	737
23	725	722	737	738	741	743	743	743	743	741	738	740	741	749	747	747	737	735	731	725	730	726	726	738	737
24 D	749	750	760	767	773	759	748	744	740	742	731	699	626	609	650	626	581	483	508	460	584	901	880	790	694
25 D	710	719	846	692	734	568	415	275	465	-029	266	399	123	422	457	644	522	656	701	695	676	692	722	712	545
26	705	707	710	714	712	714	709	713	713	714	714	714	715	715	716	717	712	697	689	689	692	699	700	706	708
27 Q	717	723	723	721	719	719	718	715	715	717	720	724	722	685	708	715	724	719	711	704	701	702	704	711	714
28	715	720	724	726	729	731	732	739	738	724	726	720	728	726	726	707	678	677	703	690	690	700	699	702	715
29																									
30																									
31																									
Mean	738	745	756	753	753	742	734	717	724	694	671	676	667	681	698	714	700	702	706	702	709	727	733	737	716

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 168. Meanook. (D.) East. 25° + . . . ′ February, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	50.5	51.4	51.2	51.7	52.5	52.3	52.6	52.4	52.6	53.9	53.7	55.6	56.3	51.6	47.9	58.4	59.4	59.8	60.7	49.8	41.5	43.9	50.7	48.9	52.5
2	45.4	46.7	44.5	49.1	51.8	52.8	49.2	52.6	55.9	55.4	57.9	58.3	56.5	56.6	56.3	55.6	56.8	55.8	53.5	46.9	44.0	47.7	50.9	50.8	52.1
3	51.3	48.3	50.1	49.2	51.8	49.7	48.7	54.4	55.6	55.6	57.4	59.4	61.2	62.3	60.4	60.2	59.4	55.5	55.1	51.4	50.8	50.8	48.6	48.9	54.0
4	51.0	49.3	49.7	51.3	53.6	53.4	55.5	52.6	54.0	53.6	56.6	55.8	59.5	57.2	56.3	57.1	59.3	59.0	57.2	54.8	51.6	50.4	51.6	51.2	54.2
5	50.2	49.8	49.9	51.8	51.0	51.8	50.6	49.4	52.4	54.0	55.8	64.2	53.7	54.8	56.8	57.7	57.0	55.8	53.5	52.7	52.2	46.0	45.8	51.8	52.9
6 D	47.9	46.8	48.5	51.3	51.5	51.9	60.2	50.9	52.2	57.1	47.5	72.3	100.3	84.3	53.7	61.3	62.3	56.1	53.5	47.7	47.5	52.9	51.3	46.0	56.4
7 D	43.7	46.4	48.9	46.5	39.6	50.8	49.3	50.4	55.8	58.9	62.3	65.2	69.5	59.9	62.7	57.5	52.3	51.3	53.5	52.2	47.3	47.7	46.6	47.5	52.7
8	48.5	47.8	49.4	51.8	51.9	52.3	52.2	51.6	51.3	52.2	53.1	53.3	53.9	54.9	55.2	58.2	60.4	58.9	59.2	53.4	50.8	49.9	46.6	45.6	52.6
9	46.2	50.2	50.4	51.0	52.6	51.3	50.4	49.6	51.3	52.3	56.1	58.2	59.5	60.0	58.0	57.2	57.6	58.0	53.9	45.4	46.9	46.9	45.5	46.6	52.3
10	47.7	46.0	45.1	47.0	50.6	53.3	53.2	51.6	50.6	47.0	55.6	54.6	57.7	59.2	55.6	58.8	58.0	47.5	41.0	47.5	52.5	52.7	51.5	50.5	51.4
11	50.3	50.5	50.7	63.1	53.5	53.9	65.5	51.9	51.6	51.0	44.1	49.8	57.3	56.0	54.4	54.1	54.2	53.8	51.8	51.6	51.5	51.4	51.6	51.1	53.1
12 Q	50.5	50.8	50.8	50.8	50.8	51.4	52.1	53.0	51.8	51.6	51.9	51.9	51.9	51.8	51.5	52.5	56.2	55.0	53.4	52.4	51.4	50.3	49.5	49.2	51.8
13 Q	49.5	49.7	50.6	50.7	51.0	50.7	49.8	50.4	50.7	50.5	50.9	51.2	51.2	50.8	49.8	48.1	54.5	55.6	53.7	52.1	50.0	49.7	49.4	49.8	50.8
14	50.1	49.6	49.6	49.8	50.5	50.8	52.2	58.8	53.5	53.3	58.2	57.6	54.7	49.5	52.4	53.3	54.5	49.7	50.5	49.5	49.7	50.6	50.4	50.3	52.0
15	49.8	49.3	47.9	48.8	51.8	50.6	48.9	54.6	56.5	55.2	54.4	57.3	55.6	52.8	50.4	47.5	52.6	51.9	49.7	48.9	48.2	48.4	49.7	50.3	51.3
16	50.6	50.9	49.7	46.8	54.2	52.4	51.6	53.5	56.4	55.6	51.4	54.3	57.5	56.8	48.9	52.9	49.8	49.1	47.9	46.6	48.1	48.7	50.3	50.9	51.4
17	51.4	51.4	50.8	50.9	50.3	49.7	49.4	40.5	50.8	56.4	49.7	54.3	54.9	46.0	45.7	50.4	51.8	51.6	51.8	49.7	49.8	51.7	49.8	50.1	50.4
18	50.6	50.1	50.8	51.4	51.5	51.3	49.4	42.7	54.1	51.5	56.2	55.6	52.4	52.4	48.7	46.9	49.7	51.9	50.3	49.7	49.8	49.7	49.8	51.7	50.8
19	48.9	49.8	51.1	51.2	57.3	54.5	56.2	49.7	51.5	55.8	51.6	56.3	59.3	48.7	50.3	53.2	56.0	56.4	54.4	52.4	49.1	49.0	49.3	50.0	52.6
20	50.9	51.3	51.1	53.6	51.6	49.8	49.7	50.0	50.3	50.8	51.4	51.8	52.1	50.4	49.8	51.0	47.7	46.1	47.0	46.5	47.1	47.6	48.8	49.7	49.8
21 Q	49.8	50.6	51.2	52.8	55.3	50.6	50.4	50.6	51.6	51.4	51.8	51.9	52.4	51.8	52.5	54.8	56.2	56.2	54.5	51.6	50.3	49.9	49.8	49.7	52.0
22 Q	49.5	50.0	50.6	50.8	51.1	50.8	50.8	51.5	52.9	52.5	53.0	51.9	58.4	56.3	55.1	56.2	58.2	55.6	51.9	51.3	47.6	46.8	46.9	46.0	51.9
23	47.5	47.5	46.7	48.9	51.4	51.8	52.3	52.3	52.4	52.7	53.5	54.5	54.9	55.3	56.5	56.5	59.2	58.2	54.5	52.0	51.0	48.3	46.7	46.4	52.1
24 D	42.9	43.2	43.3	38.8	46.8	49.7	51.4	51.5	51.8	54.0	56.0	67.2	69.4	75.5	75.5	70.4	57.1	61.9	65.9	86.2	52.9	75.7	54.1	56.7	58.2
25 D	57.8	44.6	53.7	58.4	53.5	58.6	54.1	64.2	58.6	58.0	58.2	70.9	82.2	68.6	57.3	52.7	44.5	49.5	55.9	55.2	52.6	51.8	50.3	47.9	56.6
26	49.7	50.2	51.8	52.4	53.0	53.2	52.5	52.4	52.4	52.5	53.1	53.5	53.5	53.7	56.2	57.4	59.2	57.5	54.2	50.9	48.8	47.9	48.1	49.5	52.6
27 Q	49.8	50.5	51.4	51.7	51.9	51.9	51.7	53.8	54.2	55.5	53.4	53.1	52.5	50.0	48.5	51.9	58.5	59.1	55.4	52.0	50.2	49.8	50.4	49.7	52.4
28	49.7	50.3	50.8	50.9	52.1	51.7	53.9	52.2	52.4	57.0	56.1	57.5	55.3	54.1	56.1	60.2	56.9	41.7	43.0	47.1	45.6	44.9	43.7	43.6	51.1
29																									
30																									
31																									
Mean	49.3	49.0	49.6	50.8	51.6	51.9	52.3	51.8	53.0	53.8	54.0	57.0	59.0	56.5	54.4	55.4	55.7	54.2	53.1	51.7	49.2	50.0	49.2	49.3	52.6

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 169. Meanook. (Z.) 59,000 γ + February, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	276	276	279	279	278	278	278	279	278	276	263	254	238	214	224	241	256	261	264	255	257	285	309	340	268
2	356	364	367	350	308	309	299	280	318	300	276	273	275	274	272	277	273	255	264	283	260	291	296	299	297
3	310	312	311	315	368	354	331	322	310	298	286	237	219	258	278	278	263	267	277	278	278	285	297	296	293
4	312	300	300	302	290	290	282	287	295	288	203	116	227	282	288	286	286	285	286	288	293	292	290	287	277
5	285	286	292	292	298	309	298	298	286	275	170	210	261	272	271	269	270	271	277	281	279	285	317	295	277
6 D	304	324	328	297	294	304	298	299	272	256	210	075	-097	028	126	122	222	279	332	342	370	351	313	268	246
7 D	333	355	305	274	318	329	304	325	314	320	220	234	229	193	218	218	230	247	269	289	291	290	292	288	278
8	291	298	303	295	290	285	283	287	288	284	282	279	275	272	268	273	267	274	282	284	287	286	296	300	284
9	293	290	293	296	291	294	290	281	280	276	268	176	182	230	275	272	266	266	264	266	279	281	297	300	271
10	298	300	321	356	358	335	301	304	303	259	270	289	265	239	248	247	267	257	258	279	291	289	292	290	288
11	292	293	344	358	311	290	268	286	264	222	106	113	193	247	243	254	265	266	271	275	275	276	279	279	261
12 Q	278	277	277	275	271	271	273	269	269	269	268	268	267	264	259	263	260	259	259	265	269	270	271	270	268
13 Q	269	267	270	269	271	272	276	280	278	271	269	267	264	268	262	262	271	271	269	267	270	273	272	270	270
14	275	274	279	275	277	278	283	289	229	241	232	232	235	246	259	271	271	269	263	269	269	271	273	274	264
15	275	280	285	296	300	296	296	304	273	233	201	232	258	258	249	261	263	266	273	270	277	280	279	279	270
16	278	277	286	308	315	332	298	182	166	245	254	237	222	221	188	231	245	268	277	282	286	294	291	288	261
17	285	284	288	287	294	302	266	125	206	271	255	264	197	184	163	222	281	293	287	287	290	298	298	298	259
18	302	295	290	288	288	291	289	170	236	244	246	268	255	252	274	262	263	280	283	281	283	292	302	302	272
19	299	297	291	291	302	316	304	293	306	251	214	232	229	263	271	267	283	282	283	284	292	292	289	285	280
20	284	286	288	290	284	281	280	278	276	274	274	272	272	263	251	252	254	250	254	264	272	279	288	290	273
21 Q	289	288	286	286	285	282	282	280	274	273	271	269	269	269	268	272	275	273	266	269	272	275	277	277	276
22 Q	278	276	278	275	275	274	276	276	263	271	271	262	260	270	277	279	278	272	269	272	276	280	281	286	274
23	287	295	304	301	289	288	285	284	284	282	270	259	264	263	271	271	263	257	250	252	258	264	270	279	275
24 D	284	287	304	332	342	304	284	283	290	294	282	247	196	142	136	103	120	170	132	227	312	231	239	192	239
25 D	-022	-078	144	292	281	180	293	386	541	699	147	266	327	045	113	273	230	264	297	306	318	341	334	318	262
26	309	297	290	292	290	290	287	287	288	287	284	282	282	282	285	284	281	278	276	274	282	285	286	292	286
27 Q	288	282	283	281	281	280	284	289	284	277	275	274	271	242	249	261	267	267	267	267	270	270	274	272	273
28	271	275	278	278	281	276	288	304	296	282	277	266	270	266	270	264	251	232	249	269	282	302	306	301	276
29																									
30																									
31																									
Mean	281	281	292	298	298	292	288	280	284	286	244	238	236	232	241	251	258	264	268	276	284	286	290	286	272

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 170. Meanook. February, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	23	50	816	19	33	662	154	16	47	65.0	20	19	37.4	27.6	23	55	371	13	59	180	191
2	03	48	882	18	56	668	214	16	49	69.6	07	00	40.6	29.0	02	50	399	06	59	142	257
3	04	39	833	12	02	665	168	15	47	64.4	06	46	45.1	19.3	04	36	389	12	03	205	184
4	07	05	790	12	39	511	279	11	37	63.9	11	16	46.9	17.0	00	42	320	11	32	033	287
5	12	33	751	10	14	666	85	11	25	68.2	22	21	41.2	27.0	22	28	346	10	42	148	198
6 D	23	32	983	12	35	-093	1076	11	13	176.0	16	52	10.5	165.5	13	44	643	12	13	-470	1113
7 D	02	45	1068	13	00	302	766	12	48	81.4	04	15	17.0	64.4	04	19	402	13	09	154	248
8	03	25	742	20	30	683	59	16	56	62.7	23	51	43.6	19.1	23	59	308	14	36	263	45
9	06	25	753	11	40	570	183	16	03	63.8	19	39	42.2	21.6	22	50	307	11	32	119	188
10	03	48	793	17	42	637	156	14	53	68.4	09	08	36.3	32.1	03	41	386	09	57	194	192
11	03	03	871	10	34	404	467	06	30	81.2	10	30	35.1	46.1	02	57	398	10	12	085	313
12 Q	12	10	745	21	22	717	28	16	28	57.1	23	41	49.1	8.0	01	20	279	16	08	258	21
13 Q	16	10	756	21	35	718	38	17	39	59.4	21	07	45.8	13.6	07	22	283	15	23	260	23
14	23	39	755	08	29	699	56	07	16	68.9	08	22	41.7	27.2	07	08	305	08	19	195	110
15	12	11	776	10	30	709	67	07	49	62.3	15	30	44.6	17.7	07	35	317	11	01	170	147
16	04	04	930	07	33	470	460	08	11	75.5	07	17	29.6	45.9	05	25	355	08	23	086	269
17	06	42	803	12	47	489	314	08	59	76.6	07	12	14.8	61.8	09	29	329	06	57	034	295
18	07	47	795	07	35	594	201	11	29	58.0	07	11	22.9	35.1	22	48	316	07	34	074	242
19	07	18	786	13	33	636	150	14	53	63.0	07	57	36.6	26.4	07	16	334	10	48	197	137
20	01	37	752	16	34	703	49	03	23	56.4	17	19	44.1	12.3	23	30	291	16	43	243	48
21 Q	12	07	751	20	55	717	34	04	14	61.9	23	44	49.3	12.6	00	21	290	18	22	266	24
22 Q	13	00	758	11	35	718	40	12	37	60.2	23	00	44.8	15.4	23	10	288	11	53	242	46
23	13	35	757	21	15	717	40	16	16	61.2	23	57	43.2	18.0	03	00	306	18	35	250	56
24 D	21	27	960	17	51	283	677	19	43	102.9	20	23	30.1	72.8	20	46	456	15	24	067	389
25 D	02	10	985	09	35	-199	1184	09	33	132.1	08	58	04.9	127.2	09	31	890	00	41	-158	1048
26	02	55	735	19	28	684	51	17	10	61.3	21	54	46.0	15.3	00	01	319	19	28	271	48
27 Q	14	50	729	13	48	654	75	17	17	60.8	14	05	47.2	13.6	07	46	294	23	48	216	78
28	07	55	774	16	58	656	118	16	05	62.9	17	38	39.0	23.9	07	46	321	17	45	217	104
29																					
30																					
31																					
Mean			815			559	256			73.0			36.8	36.2			366			141	225
No. days			28			28	28			28			28	28			28			28	28

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 171. Meanook. (H.) 12,000 γ + March, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	718	726	750	742	738	762	782	749	765	637	716	738	730	703	643	628	652	694	689	682	694	732	707	713	712
2	760	777	889	1072	936	828	746	760	670	625	694	671	664	674	709	719	726	709	700	699	701	708	718	720	745
3	714	717	730	736	738	755	746	728	712	644	664	668	645	460	616	688	708	721	715	708	701	697	726	795	697
4	837	839	920	995	1048	896	828	693	642	592	568	530	710	695	642	625	666	664	695	705	724	764	816	784	745
5	736	739	729	732	727	729	728	717	673	587	619	655	692	697	703	709	715	702	674	708	727	716	712	704	701
6	699	714	734	740	744	738	736	728	731	545	353	431	598	596	724	726	718	708	724	716	700	702	703	723	676
7 Q	735	726	724	748	738	738	734	730	729	729	718	706	719	736	733	728	714	701	697	697	699	701	717	725	722
8	721	742	747	767	887	924	679	758	755	544	594	702	732	741	740	739	732	709	692	685	700	710	710	715	726
9	731	723	734	747	802	749	739	725	650	643	744	744	733	721	720	703	714	680	697	706	719	716	717	718	720
10	731	739	721	731	730	733	729	729	731	735	733	732	693	685	720	743	736	728	711	705	707	685	702	712	721
11	724	729	731	729	730	730	749	744	711	637	708	726	740	729	729	720	707	704	710	708	707	709	727	723	719
12	719	728	731	730	735	731	728	728	726	667	731	736	735	732	719	676	711	713	703	688	696	708	711	716	716
13 Q	699	713	721	720	721	723	720	710	649	567	507	567	723	737	736	741	733	723	716	711	709	707	709	710	695
14	724	736	741	743	740	743	739	739	733	715	652	629	692	751	746	751	748	735	715	715	724	730	722	724	724
15	727	733	734	735	736	741	749	729	587	705	703	587	729	738	740	736	661	668	713	717	722	725	728	735	712
16	731	733	753	733	738	741	741	747	601	569	540	705	606	643	713	730	714	722	710	723	717	717	715	736	699
17	741	729	728	748	748	733	750	723	661	740	738	735	741	741	723	717	726	718	707	712	715	716	717	720	726
18 Q	712	724	734	736	736	735	734	735	729	723	733	739	738	736	737	734	727	725	719	716	714	708	709	714	727
19 Q	726	731	729	730	730	730	730	733	736	737	737	737	738	733	737	738	727	713	704	703	711	718	716	718	727
20	731	739	724	720	735	735	733	734	734	735	737	734	733	736	740	738	726	711	700	699	703	712	711	712	726
21	723	726	737	740	738	732	761	666	409	383	103	477	671	766	746	736	723	702	658	651	711	716	713	722	654
22 D	731	730	748	797	795	858	770	701	604	393	646	401	582	635	685	683	696	703	678	714	711	740	760	733	687
23	740	734	747	759	767	733	689	717	708	514	678	732	735	713	649	606	661	713	704	697	689	711	703	718	701
24	724	726	732	734	730	734	741	732	697	674	705	715	722	709	679	723	727	705	692	688	694	700	723	711	713
25 Q	724	724	725	719	731	740	732	724	653	675	716	722	715	727	738	733	715	703	692	689	696	705	711	717	714
26	716	723	731	731	721	729	729	724	675	653	707	699	709	731	739	731	722	702	685	682	672	687	699	630	705
27 D	721	739	763	865	773	731	734	734	684	629	558	633	718	730	730	723	695	659	629	654	660	740	734	721	706
28 D	736	713	722	725	760	813	756	725	586	446	370	538	503	584	434	338	352	466	624	713	886	900	985	907	649
29 D	906	965	925	635	807	797	615	502	168	257	596	196	401	639	633	652	709	667	658	724	795	762	762	807	649
30 D	775	755	774	762	735	710	700	679	541	525	512	627	657	543	616	677	679	694	703	695	738	772	771	770	683
31	769	768	767	753	730	711	723	733	699	670	596	649	689	698	677	643	681	698	687	692	686	720	727	762	705
Mean	738	743	754	760	765	757	734	718	656	610	625	641	684	692	697	695	697	695	694	700	714	724	732	733	706

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 172. Meanook. (D.) East. 25° + . . . ′ March, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	44.3	47.5	50.2	48.0	49.1	48.9	48.7	49.5	50.5	56.5	56.5	55.6	55.8	58.8	55.8	69.0	62.1	56.8	53.2	46.9	41.7	45.8	47.1	44.3	51.8
2	42.0	44.2	34.1	42.8	37.7	58.0	55.4	51.4	49.8	54.8	52.3	57.9	54.2	60.4	53.3	57.0	56.8	56.8	55.0	54.8	51.8	51.9	52.4	51.1	51.5
3	51.7	51.9	50.8	54.6	54.6	49.1	53.0	50.6	52.6	48.9	59.4	60.9	64.9	65.1	58.3	61.7	58.0	51.6	50.8	47.9	49.3	46.6	44.5	41.0	53.2
4	44.1	45.3	62.7	42.7	25.8	35.1	45.1	54.6	56.2	58.4	59.2	59.4	56.9	53.5	55.8	51.8	52.2	50.0	49.7	52.5	46.8	49.5	46.0	47.0	50.0
5	48.6	44.9	47.4	47.9	50.2	50.5	51.5	51.3	58.1	49.3	52.9	57.2	57.5	57.1	56.7	56.4	56.2	55.6	51.8	47.1	46.0	46.0	45.1	46.2	51.3
6	47.9	48.8	49.1	51.8	53.0	51.2	52.2	53.0	60.9	66.6	71.2	64.7	61.1	57.1	55.6	57.1	58.0	55.3	52.7	51.5	49.1	47.7	46.6	47.2	54.6
7 Q	46.0	47.5	49.4	50.3	53.7	50.8	51.4	51.8	52.3	52.2	53.6	55.2	56.9	56.3	56.2	57.7	58.0	55.8	53.5	51.4	48.9	47.4	46.7	44.7	52.0
8	44.9	43.6	42.2	38.4	42.2	39.5	33.6	44.1	51.8	49.1	58.4	58.1	55.4	56.3	57.1	58.6	59.4	60.2	55.1	50.7	46.9	44.9	45.6	46.8	49.3
9	47.0	48.7	47.2	47.0	58.3	49.6	49.7	50.2	71.5	52.6	55.6	54.4	53.5	53.5	49.2	53.6	54.0	55.4	50.0	50.5	48.9	48.4	49.3	49.8	52.0
10	49.6	48.4	50.6	50.0	50.8	49.7	49.8	52.2	51.3	53.4	50.8	49.1	47.9	43.2	51.7	57.2	57.7	54.6	54.7	51.6	49.7	45.7	45.1	46.0	50.4
11	46.8	48.8	50.3	50.3	49.7	49.7	56.6	58.0	51.8	64.2	59.4	54.1	51.7	50.8	50.4	55.0	51.8	50.6	49.8	50.8	49.4	47.1	45.6	47.7	51.7
12	46.8	48.4	48.9	47.2	60.2	50.8	51.0	58.3	51.8	45.6	54.1	51.8	52.1	51.6	51.7	47.9	50.3	53.0	51.0	49.6	47.0	47.0	46.9	45.3	50.3
13 Q	46.9	48.4	49.4	49.5	49.8	50.0	50.8	49.6	55.6	67.0	69.2	49.7	52.1	52.1	53.8	55.2	56.8	57.0	56.5	53.5	51.7	49.8	47.8	47.0	52.9
14	46.8	47.0	47.0	46.7	47.0	47.8	48.6	50.9	52.8	55.7	57.5	56.5	56.7	50.8	51.9	52.7	49.7	54.6	53.7	48.3	47.5	47.6	48.1	48.0	50.6
15	47.9	47.9	48.1	48.3	47.9	47.6	49.1	48.9	50.3	54.2	56.7	58.6	55.1	53.6	54.1	51.4	43.3	34.5	46.8	45.6	46.3	46.0	46.5	46.8	49.0
16	47.0	47.5	47.3	52.7	48.8	48.3	49.7	54.5	50.7	61.1	73.3	55.2	50.3	49.1	52.5	53.2	52.3	51.6	48.4	46.8	46.4	47.0	45.7	44.4	51.0
17	49.4	48.9	49.7	62.3	52.3	58.4	52.9	42.2	46.0	55.0	53.1	53.1	52.1	51.9	50.6	49.9	52.7	51.1	49.7	49.7	50.7	50.8	50.5	49.1	51.3
18 Q	49.5	49.4	48.9	49.2	49.6	50.0	50.3	50.9	53.2	57.1	54.1	54.6	52.4	52.1	53.5	53.9	54.6	53.7	51.8	49.1	48.7	48.9	49.6	50.6	51.5
19 Q	50.8	51.3	51.9	52.1	52.3	52.3	52.3	52.5	52.1	54.6	53.8	53.9	53.5	54.0	54.0	56.9	59.3	58.5	55.6	52.4	47.9	48.3	49.7	50.2	52.9
20	49.9	49.9	58.5	55.2	52.6	52.2	52.4	53.6	53.7	55.1	55.4	56.2	56.1	58.0	59.9	61.4	63.1	59.2	58.4	54.3	51.6	51.3	51.5	52.2	55.1
21	52.2	52.0	52.2	52.6	52.7	51.9	49.8	53.3	51.8	68.5	44.3	74.2	64.6	59.0	63.2	65.9	65.6	66.7	60.8	46.8	50.2	49.7	48.9	50.4	56.1
22 D	50.6	53.5	51.3	51.4	51.4	49.1	48.9	53.5	61.3	69.0	60.3	58.8	63.6	61.3	60.6	64.6	64.0	54.9	56.0	55.7	51.9	51.6	51.6	52.2	56.1
23	48.9	48.5	59.9	59.3	53.7	53.5	49.8	50.6	55.6	50.3	48.5	55.0	55.1	49.7	58.0	51.7	48.9	56.9	58.3	57.2	52.2	49.7	46.0	46.0	52.6
24	50.0	50.7	51.7	53.1	55.1	57.4	56.5	53.6	51.0	60.4	56.4	52.5	53.2	54.6	55.5	56.6	60.4	57.4	56.5	52.1	48.1	49.6	48.7	49.1	53.8
25 Q	48.2	48.3	48.4	51.5	54.6	54.4	52.8	51.3	50.7	55.4	56.6	57.7	54.6	56.7	57.9	60.4	62.0	61.2	58.2	54.5	51.6	48.0	47.2	45.8	53.7
26	45.4	48.9	46.5	46.8	47.5	49.1	50.3	49.2	52.7	57.9	60.9	58.3	56.9	55.0	56.4	60.4	60.4	57.2	54.5	48.1	45.5	42.6	40.6	38.6	51.2
27 D	40.1	41.0	44.6	45.6	48.7	48.4	51.5	50.7	55.6	56.1	62.8	54.9	48.7	51.4	55.7	58.4	58.4	61.3	61.9	59.4	41.1	42.8	41.7	40.3	50.9
28 D	35.0	44.6	48.1	46.6	43.7	48.4	47.9	45.9	48.1	63.2	84.1	70.5	79.5	68.6	71.8	75.2	90.6	71.4	55.1	63.4	64.2	61.1	59.4	41.7	59.5
29 D	43.3	44.3	51.3	53.3	50.6	52.1	52.7	65.1	62.5	71.4	61.1	48.6	67.5	63.6	62.7	57.7	56.1	54.8	51.7	53.1	56.7	48.9	42.6	45.5	54.9
30 D	40.9	48.7	55.2	51.6	49.6	44.9	50.2	47.7	49.2	49.8	59.6	54.6	52.5	51.8	51.0	57.4	57.3	57.9	54.5	53.6	54.4	47.6	45.7	42.9	51.2
31	43.0	45.5	43.0	65.0	44.9	48.6	47.5	52.7	55.0	55.0	47.7	58.1	49.7	54.1	56.1	55.6	55.6	58.3	53.5	49.8	46.0	44.2	42.2	39.5	50.4
Mean	46.6	47.9	49.5	50.4	49.6	49.9	50.4	51.7	53.8	57.0	58.0	56.8	56.2	55.2	55.8	57.5	57.6	55.9	53.8	51.6	49.3	48.2	47.2	46.4	52.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 173. Meanook. (Z.) 59,000 γ + March, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	301	314	306	323	335	327	314	279	058	238	281	278	228	203	190	170	190	237	257	267	280	287	325	262
2	323	352	240	124	325	237	272	314	283	250	272	258	241	221	291	288	291	285	287	287	288	286	290	291	275
3	288	286	285	295	282	327	327	294	267	182	196	213	187	147	157	211	261	287	290	298	297	299	322	372	265
4	379	343	351	292	284	253	259	243	157	172	157	142	232	260	249	253	243	253	263	302	313	327	352	342	267
5	315	312	303	301	293	286	291	275	219	161	131	151	234	253	259	252	248	251	260	282	281	279	283	284	258
6	270	272	286	288	287	297	299	280	223	039	043	124	144	177	255	256	266	269	267	275	282	288	283	280	240
7 Q	279	289	283	291	289	269	260	260	257	253	236	207	221	247	258	258	254	248	247	251	256	259	266	275	259
8	289	299	316	357	345	266	232	235	295	294	165	218	264	269	272	281	275	273	273	275	283	282	278	279	276
9	288	286	290	316	346	302	282	171	-066	149	245	272	267	252	264	255	255	255	265	284	286	288	287	283	258
10	290	296	296	282	280	288	285	281	273	258	264	253	211	178	200	251	257	269	269	269	273	273	282	281	265
11	278	277	277	276	274	276	245	215	250	140	193	251	266	248	256	258	253	258	259	259	264	272	279	299	255
12	301	289	287	297	293	284	275	235	254	145	218	257	257	258	251	225	239	248	254	261	278	281	288	294	261
13 Q	280	267	262	260	258	259	264	249	161	001	066	192	214	245	247	256	254	252	254	255	255	258	258	258	230
14	256	259	261	259	260	257	256	255	247	186	187	077	138	225	243	245	246	245	244	245	251	254	258	257	234
15	257	257	255	253	254	260	286	249	155	155	186	100	175	229	243	239	209	181	229	248	251	259	260	263	227
16	264	262	294	313	290	279	265	266	144	-044	087	184	169	223	250	254	247	260	262	272	275	276	275	293	236
17	320	300	277	270	207	191	116	160	164	234	246	242	244	245	240	229	238	244	257	262	273	270	270	269	240
18 Q	261	256	255	251	248	248	247	247	237	202	202	226	244	247	250	244	247	249	251	252	253	254	255	256	245
19 Q	254	250	248	248	247	246	245	244	232	239	237	238	240	240	241	241	241	242	245	250	250	249	252	252	245
20	249	255	270	263	244	241	240	239	239	240	238	236	231	229	237	240	237	232	232	239	242	245	246	246	242
21	246	245	246	243	242	244	169	186	284	284	-174	083	153	247	253	262	260	253	253	261	279	272	263	264	222
22 D	260	260	271	338	309	227	109	282	055	181	289	242	074	043	142	190	245	259	279	312	302	305	323	285	233
23	283	295	326	317	307	250	188	240	229	051	160	223	240	230	191	113	175	229	244	253	264	282	278	284	236
24	264	256	262	263	262	258	221	179	117	134	197	211	217	211	206	237	231	225	233	237	237	249	261	249	226
25 Q	248	253	268	270	262	269	260	257	157	176	199	213	220	226	236	241	239	238	238	238	241	244	247	263	238
26	269	258	276	287	263	257	260	253	198	132	186	159	149	188	219	221	219	221	236	241	244	249	260	264	230
27 D	264	294	340	378	355	293	275	248	217	183	035	096	185	216	226	222	215	214	218	256	287	285	318	294	246
28 D	283	286	263	251	263	266	267	262	020	131	154	161	102	081	076	163	221	174	257	379	371	348	228	275	220
29 D	285	296	223	072	293	322	277	141	324	112	199	112	097	115	223	259	295	260	261	290	314	302	306	298	236
30 D	279	289	302	308	178	160	238	257	115	152	168	211	231	200	226	226	224	248	260	271	309	350	316	292	242
31	309	288	319	310	302	264	267	235	225	216	123	162	227	229	220	195	217	230	234	239	249	258	288	303	246
Mean	282	282	282	277	280	265	252	244	202	163	172	193	205	213	228	234	241	243	254	268	275	278	279	283	246

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 174. Meanook. March, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	09	03	931	14	49	526	405	15	45	77.2	20	12	39.1	38.1	05	51	352	09	09	-165	517
2	03	30	1155	08	53	475	680	03	14	92.4	03	44	13.5	78.9	04	01	412	03	20	-102	514
3	24	00	872	13	29	339	533	13	40	81.8	09	43	34.0	47.8	24	00	408	08	46	064	344
4	04	25	1134	11	18	472	662	06	48	85.6	06	54	-12.6	98.2	06	43	460	06	50	-019	479
5	00	06	758	09	40	555	203	11	26	66.3	22	46	41.9	24.4	00	55	327	11	04	102	225
6	08	30	773	11	24	272	501	09	30	90.6	04	49	42.1	48.5	04	31	313	09	40	-024	337
7 Q	03	20	751	21	00	687	64	16	27	59.6	23	41	42.7	16.9	04	07	304	11	30	184	120
8	05	36	994	09	50	315	679	10	19	94.6	07	02	02.0	92.6	04	06	404	10	17	088	316
9	04	19	867	08	56	519	348	08	17	108.5	09	00	29.6	78.9	04	13	451	08	08	-131	582
10	15	19	752	12	55	641	111	16	03	61.1	13	12	36.1	25.0	00	52	303	13	42	166	137
11	06	45	821	09	44	609	212	06	50	74.7	22	38	42.7	32.0	24	00	417	09	41	075	342
12	07	15	776	09	31	614	162	04	05	71.8	09	21	39.5	32.3	03	56	315	09	41	070	245
13 Q	12	58	755	10	55	437	318	10	16	81.9	11	33	44.9	37.0	00	00	287	09	52	-037	324
14	13	25	765	11	45	461	304	12	00	66.2	11	37	45.0	21.2	21	50	262	11	44	023	239
15	22	30	776	08	32	440	336	11	13	69.6	17	31	28.0	41.6	06	42	303	11	33	035	268
16	02	06	768	10	07	412	356	09	59	88.8	08	44	24.7	64.1	02	47	340	08	56	-127	467
17	06	10	797	08	07	552	245	03	43	80.2	08	01	10.5	69.7	03	17	436	06	50	042	394
18 Q	11	08	745	09	06	704	41	09	21	63.8	08	52	45.9	17.9	00	23	266	09	12	161	105
19 Q	07	49	742	19	39	695	47	16	50	60.4	20	53	46.5	13.9	23	15	254	08	49	220	34
20	15	14	747	18	50	697	50	02	57	68.5	22	49	49.8	18.7	02	56	299	12	40	228	71
21	06	05	850	10	45	-099	949	09	06	119.6	10	44	16.4	103.2	09	53	454	09	56	-338	792
22 D	05	48	963	09	20	066	897	09	18	96.9	05	45	25.6	71.3	03	42	405	09	14	-152	557
23	04	30	845	09	25	449	396	02	59	69.9	09	52	33.1	36.8	03	37	357	09	44	-036	393
24	06	25	760	10	25	639	121	05	54	64.9	20	15	46.1	18.8	22	08	271	08	37	089	182
25 Q	06	28	747	08	48	603	144	16	23	62.9	24	00	43.3	19.6	24	00	285	08	42	119	166
26	23	25	745	08	49	515	230	10	59	64.1	23	26	35.6	28.5	03	47	293	09	02	089	204
27 D	03	31	912	10	37	475	437	10	23	76.6	23	58	33.1	43.5	03	54	412	10	37	-032	444
28 D	22	29	1020	15	04	166	854	16	05	122.0	08	44	24.9	97.1	19	52	475	08	42	-078	553
29 D	01	42	1059	08	50	-123	1182	03	43	125.2	11	51	-05.8	131.0	08	13	586	11	43	-133	719
30 D	01	45	902	10	06	348	554	04	18	80.9	07	57	26.9	54.0	21	18	393	08	15	029	364
31	02	55	871	09	58	509	362	03	48	71.4	23	44	35.0	36.4	02	52	360	11	08	089	271
Mean			850			451	399			80.6			31.0	49.6			361			016	345
No. days			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 + April, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	767	765	850	726	753	659	661	584	352	476	600	604	644	709	680	689	663	691	679	679	704	705	703	785	672
2	779	749	763	811	720	710	712	711	711	713	703	652	675	659	645	688	685	688	692	674	696	713	729	780	711
3	721	732	725	736	760	719	713	711	647	635	721	708	647	608	707	698	693	687	665	664	690	691	727	731	697
4	736	712	740	747	780	742	732	702	682	713	731	732	735	732	737	732	727	702	667	632	644	692	726	719	716
5	730	721	775	746	734	725	708	700	613	733	643	647	653	648	731	756	735	721	704	700	689	698	700	711	705
6Q	716	722	727	730	723	733	601	734	721	724	735	728	728	730	741	738	727	713	699	689	686	694	702	712	715
7Q	722	730	736	733	732	725	724	731	735	736	735	735	741	742	747	726	721	711	708	705	701	695	696	710	724
8	718	728	732	739	738	735	739	737	740	743	744	742	716	727	750	743	738	719	691	730	725	692	710	702	728
9	714	750	729	740	758	740	732	739	733	734	721	727	715	705	737	742	730	708	694	698	709	712	689	712	724
10	783	733	724	725	779	748	733	550	309	488	661	673	388	336	682	701	687	677	710	670	714	704	718	785	653
11	784	730	729	733	729	736	723	710	523	439	480	497	731	710	705	719	715	711	707	703	699	736	751	724	684
12	727	748	742	718	710	715	633	517	410	558	545	662	547	696	738	735	732	719	717	721	723	708	710	712	673
13Q	715	720	728	725	722	734	717	592	723	735	716	708	704	726	712	711	711	701	687	690	702	706	712	717	709
14	725	735	733	726	727	730	735	739	734	722	687	729	733	735	735	724	717	704	702	696	707	698	703	697	720
15Q	714	727	726	730	736	732	733	740	732	715	703	731	728	723	708	696	703	702	698	694	691	703	707	712	716
16Q	722	720	729	726	723	726	731	724	738	739	738	733	735	736	735	728	715	700	692	686	693	707	733	722	722
17D	742	733	795	895	741	808	672	587	382	535	424	185	337	318	183	-064	483	677	742	769	826	899	703	712	587
18D	694	701	701	703	699	706	708	550	470	634	629	607	537	469	507	500	532	625	670	708	722	749	754	780	640
19	773	799	806	795	746	735	767	797	697	689	696	666	637	503	302	319	459	486	669	660	740	782	767	785	670
20	814	926	826	808	890	729	680	696	312	414	532	537	471	681	671	631	638	660	681	696	682	730	756	791	677
21	768	827	810	751	762	791	709	631	515	537	638	572	484	478	544	535	609	591	651	691	709	774	781	783	664
22	906	852	799	721	700	699	704	705	707	708	697	706	681	620	590	515	553	615	677	769	740	715	769	765	705
23D	828	759	752	916	858	832	552	723	749	536	511	207	124	343	119	260	554	691	672	740	784	756	768	750	616
24D	731	735	736	709	691	717	704	702	695	669	639	677	697	708	710	713	698	642	606	971	795	1104	922	1087	752
25D	1034	971	1024	781	720	663	510	337	545	458	255	241	467	624	609	666	626	639	633	684	687	716	783	852	647
26	874	734	754	715	709	690	690	691	696	700	701	707	709	715	713	697	678	682	677	678	677	678	690	693	706
27	703	706	705	703	705	706	707	710	701	656	695	711	713	707	714	692	680	676	682	685	683	740	785	908	711
28	809	726	762	742	757	688	692	700	605	640	656	623	674	694	693	709	680	690	694	692	698	728	751	784	704
29	727	701	730	741	721	705	707	712	702	514	606	668	675	697	731	717	705	645	637	659	670	685	705	762	688
30	732	714	719	719	711	711	711	713	714	718	723	724	717	700	677	663	671	657	663	678	684	689	693	704	700
31																									
Mean	764	754	760	750	741	726	695	672	620	634	642	628	624	639	642	636	665	674	682	704	709	733	735	760	691

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 176. Meanook. (D.) East. 25° + . . . ′ April, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	39.4	46.8	51.1	56.7	61.0	56.7	60.4	70.2	73.9	74.4	64.5	66.3	68.1	61.7	65.6	63.4	59.0	58.6	61.0	51.8	49.6	50.8	46.6	46.5	58.5
2	48.3	48.0	50.5	61.0	61.0	61.0	57.2	56.3	56.5	56.6	56.5	53.3	59.0	60.1	61.3	63.4	64.1	64.0	62.3	54.4	51.1	50.4	49.7	49.6	56.5
3	51.6	50.8	51.6	52.2	53.6	57.2	56.4	56.2	52.4	63.0	57.7	60.8	56.4	54.3	60.2	65.2	64.2	63.4	59.3	51.0	50.1	49.1	45.5	44.3	55.3
4	43.8	44.8	48.5	50.6	46.7	56.4	55.4	57.4	60.3	61.8	57.3	57.5	56.3	57.5	60.9	63.0	65.0	67.3	68.6	66.6	53.7	42.3	46.6	48.7	55.7
5	50.1	52.3	54.6	59.6	56.0	52.9	54.8	52.0	43.1	59.5	61.7	62.0	57.7	69.6	69.7	65.5	65.8	67.0	62.3	57.1	53.6	52.0	51.7	51.8	57.6
6 Q	52.4	53.4	55.2	56.2	56.3	55.7	57.1	55.3	56.7	57.4	57.7	58.6	61.3	63.1	65.0	64.3	65.2	64.5	61.0	57.6	54.4	52.1	51.7	51.0	57.6
7 Q	51.8	53.6	54.7	54.9	55.6	56.7	58.7	54.9	54.8	55.7	55.5	56.8	57.5	58.7	61.4	64.6	65.2	62.6	60.6	56.9	52.8	49.9	49.5	50.1	56.4
8	52.1	53.7	54.8	54.8	61.0	56.2	54.8	54.4	57.6	59.6	57.7	55.6	52.1	58.8	61.1	60.5	60.4	60.4	56.3	48.3	57.2	48.9	50.7	51.8	55.8
9	52.8	50.3	53.6	54.9	57.5	53.5	54.8	63.4	59.4	59.7	58.7	58.6	56.6	56.7	61.2	63.0	63.2	63.9	60.4	56.6	55.5	54.4	51.6	49.5	57.1
10	56.0	56.7	56.7	57.7	68.4	80.5	59.5	47.3	50.3	53.2	67.8	65.3	64.2	76.9	65.3	65.2	64.3	59.4	60.5	61.5	59.1	53.0	54.6	55.8	60.8
11	65.3	56.2	57.7	62.1	69.6	59.3	53.7	62.1	74.0	58.5	80.9	63.9	65.4	66.5	67.3	67.7	66.3	63.0	60.3	58.2	56.6	61.4	59.0	57.2	63.0
12	56.5	63.2	62.5	60.6	72.0	67.4	61.7	69.1	80.0	62.5	62.3	67.2	71.1	62.4	66.3	68.2	67.3	65.4	62.3	60.5	60.3	56.7	55.8	55.4	64.0
13 Q	57.5	59.6	59.4	59.1	59.6	60.6	68.7	60.4	60.3	63.9	62.5	61.3	65.1	66.8	66.4	68.7	71.7	69.6	68.1	60.4	58.5	58.0	58.1	58.5	62.6
14	58.0	58.2	65.3	62.0	57.0	56.8	60.2	63.9	58.7	58.2	55.7	58.7	60.3	65.3	68.0	69.2	67.9	64.7	64.2	56.6	56.4	54.1	52.7	53.6	60.2
15 Q	54.6	56.5	57.7	59.1	58.2	58.8	68.6	63.4	58.2	54.1	54.4	57.2	58.7	59.1	60.0	60.1	60.6	58.8	58.8	54.2	52.5	51.4	50.1	49.9	57,3
16 Q	49.1	49.5	51.2	51.4	51.1	51.2	51.9	55.4	55.4	52.5	51.6	51.6	52.8	55.7	59.2	61.2	62.1	61.0	56.5	50.5	45.4	42.9	40.5	40.2	52.1
17 D	39.2	43.3	41.5	27.1	02.9	30.1	31.8	52.4	48.7	34.3	65.4	07.3	95.3	87.4	69.3	75.0	59.6	67.0	65.1	55.2	66.6	65.0	50.4	52.8	51.4
18 D	55.1	56.8	57.3	56.8	56.7	56.4	56.3	26.4	65.9	64.2	67.8	60.5	62.8	62.6	63.5	65.9	68.5	64.6	71.4	67.3	60.5	64.0	63.1	60.8	60.6
19	48.7	40.4	45.8	54.1	54.5	58.3	65.9	53.1	54.0	54.5	56.2	58.2	65.2	82.2	81.7	56.4	69.5	78.8	58.7	52.2	51.6	48.0	48.6	45.9	57.6
20	43.1	43.8	42.0	43.1	46.8	48.6	52.5	47.3	42.0	60.1	63.9	71.4	65.4	57.4	61.5	63.1	65.0	55.5	50.2	47.5	47.5	47.3	47.4	47.6	52.5
21	45.8	50.4	48.3	49.4	50.3	45.6	53.2	60.5	61.6	68.3	57.1	61.1	63.7	75.0	66.9	69.3	57.5	62.6	52.3	51.8	50.7	46.5	44.8	44.2	55.7
22	43.1	43.9	42.8	51.9	53.5	54.3	54.3	54.4	54.0	54.0	53.8	56.3	55.6	62.2	65.8	56.8	53.3	57.2	60.8	56.3	60.6	56.3	57.3	53.6	54.7
23 D	51.1	51.6	38.4	38.5	50.5	42.3	-10.4	-02.9	13.0	35.4	40.9	69.3	104.6	102.7	74.5	102.7	70.2	62.6	65.9	60.1	56.5	56.8	53.6	53.0	53.4
24 D	56.3	52.1	53.2	55.5	55.1	55.5	55.9	56.6	55.3	54.9	53.6	56.3	58.9	61.6	64.3	66.9	67.9	68.4	103.7	140.0	208.0	120.0	40.2	80.2	72.5
25 D	46.9	43.4	44.0	49.9	50.3	55.5	44.9	22.6	48.5	63.6	47.6	83.6	70.2	65.5	66.4	63.9	69.4	64.1	60.6	62.2	53.0	49.4	49.9	53.6	55.4
26	52.0	50.3	52.1	55.5	54.1	52.7	53.9	54.0	54.0	53.7	54.1	54.5	56.6	58.6	61.0	63.8	65.9	62.2	58.4	54.0	50.3	48.6	48.3	48.8	54.9
27	50.8	52.8	54.3	54.9	55.6	55.6	55.6	55.7	54.5	54.0	55.9	57.8	59.9	61.6	64.2	66.6	67.3	59.5	53.0	52.9	53.5	56.3	52.1	48.8	56.4
28	41.7	43.2	43.3	49.9	51.7	50.1	58.4	59.5	49.2	51.5	52.0	51.9	54.1	60.6	61.7	63.6	66.3	63.0	59.5	57.2	56.1	52.9	49.2	48.2	54.0
29	49.4	51.3	49.7	55.9	53.8	50.9	51.6	51.1	51.4	43.8	46.3	54.1	58.4	62.8	64.2	64.2	62.4	67.5	56.5	50.9	48.8	46.1	45.4	46.3	53.4
30	46.4	48.6	53.5	52.9	51.5	51.5	51.6	52.1	52.3	52.0	52.0	53.4	54.6	58.1	60.7	58.7	59.9	61.4	55.9	47.9	44.2	44.8	45.4	45.8	52.3
31																									
Mean	50.3	50.8	51.7	53.6	54.4	55.0	53.6	52.8	55.2	56.5	57.6	58.3	62.9	65.0	64.8	65.7	64.5	63.6	61.8	58.6	59.2	54.3	50.3	51.4	57.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 177. Meanook. (Z.) 59,000 γ + April, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	326	340	310	285	265	118	140	131	111	130	134	120	117	197	204	241	227	255	259	287	288	282	272	313	223
2	303	289	302	293	271	260	253	248	244	235	223	131	163	185	216	220	217	219	237	245	248	259	266	313	243
3	254	260	272	311	323	262	246	234	027	126	200	201	169	132	206	207	210	222	225	239	248	255	277	296	225
4	284	264	273	273	339	301	266	128	173	200	211	222	229	228	231	229	226	219	219	232	244	312	265	248	242
5	264	263	288	280	257	234	160	140	029	178	129	107	141	118	204	226	218	216	215	222	225	229	227	225	200
6 Q	221	219	223	221	226	167	143	244	221	201	215	212	209	208	216	216	216	214	213	214	218	223	227	231	213
7 Q	227	220	221	220	219	218	226	217	213	209	209	208	214	215	217	209	204	206	211	214	215	220	223	226	216
8	225	229	222	221	221	208	203	166	190	198	201	201	168	170	193	200	208	207	197	188	201	219	222	225	203
9	220	244	254	235	232	221	209	211	210	188	171	174	168	169	191	209	214	209	212	217	219	227	228	229	211
10	299	248	218	206	247	207	182	039	-001	096	093	137	078	-035	122	166	176	190	203	223	247	229	220	258	169
11	259	220	217	238	226	215	202	168	068	001	057	105	165	160	171	190	201	212	223	234	227	250	252	226	187
12	220	232	233	121	129	105	035	052	086	172	082	087	130	191	206	207	210	212	214	208	211	203	211	213	165
13 Q	211	216	271	264	264	269	259	081	205	261	240	232	219	232	231	227	233	243	241	240	242	241	239	233	233
14	222	232	270	253	238	227	227	223	219	216	160	193	205	210	220	221	231	235	235	236	235	237	243	240	226
15 Q	231	236	240	235	233	235	225	204	215	194	168	205	218	216	211	202	211	216	225	222	219	222	228	227	218
16 Q	222	218	221	220	219	220	208	188	204	211	210	211	211	211	210	210	210	211	212	205	199	200	206	205	210
17 D	216	225	242	105	027	022	102	119	414	338	311	289	-007	139	285	167	127	233	254	275	339	315	278	278	212
18 D	269	263	259	260	252	255	250	246	162	211	194	204	152	136	097	127	169	215	279	315	298	291	290	317	230
19	316	305	320	268	285	268	223	215	214	224	219	186	154	111	-173	-077	054	196	257	284	312	324	291	286	211
20	304	308	325	324	243	277	250	192	066	151	076	095	144	186	173	149	203	249	245	263	261	294	302	309	224
21	309	310	311	307	310	299	237	136	085	084	130	131	-025	-001	132	131	165	209	256	270	272	295	295	292	206
22	299	280	298	262	233	231	228	224	222	219	190	187	190	133	051	-006	089	152	242	285	264	261	275	288	212
23 D	311	387	273	348	306	050	-035	220	148	159	190	-044	058	163	002	078	149	172	258	302	319	284	270	271	189
24 D	272	249	269	259	247	255	246	229	181	147	136	180	213	225	229	231	231	224	228	354	-034	-217	269	-043	191
25 D	-075	003	195	257	272	181	086	056	023	163	102	-105	254	207	195	215	246	261	251	289	273	286	299	291	176
26	285	255	268	254	244	229	221	213	217	219	219	220	222	224	225	223	218	218	217	216	218	220	231	232	230
27	227	223	219	214	209	207	207	206	193	115	163	204	216	216	216	214	214	213	209	208	208	228	256	306	212
28	254	259	271	257	216	155	166	185	132	141	173	154	179	201	197	225	219	228	225	221	239	253	270	270	212
29	222	208	214	238	236	213	199	191	157	004	050	102	121	166	212	215	217	217	220	224	232	236	239	256	191
30	229	218	214	195	189	188	188	189	192	193	194	198	194	182	159	141	163	177	194	216	219	212	210	210	194
31																									
Mean	248	244	257	248	239	210	192	176	161	173	168	158	162	170	175	180	196	215	229	245	237	236	249	253	209

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 178. Meanook. April, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	02	45	921	08	25	194	727	08	45	89.6	02	14	39.5	50.1	02	04	367	20	00	019	348
2	03	10	923	14	12	590	333	03	51	76.6	04	01	45.3	31.3	03	28	359	11	29	086	273
3	07	58	808	13	00	518	290	08	19	74.1	08	49	34.3	39.8	04	31	347	08	42	-010	357
4	04	25	801	07	52	555	246	19	30	76.1	21	36	36.2	39.9	04	21	367	07	43	-044	411
5	03	02	855	08	04	458	397	13	50	85.6	08	16	27.1	58.5	03	02	322	08	09	-044	366
6 Q	05	48	776	06	12	449	327	06	22	69.0	06	01	26.1	42.9	05	30	245	06	09	-070	315
7 Q	14	16	748	21	20	691	57	16	46	68.1	22	16	48.8	19.3	06	17	230	16	18	204	26
8	14	50	757	18	24	677	80	04	46	70.6	19	17	45.3	25.3	04	27	243	07	16	147	96
9	01	30	786	12	47	664	122	17	21	73.0	01	19	48.1	24.9	02	20	263	12	51	122	141
10	04	31	848	13	00	050	798	05	12	105.1	09	04	14.9	90.2	00	49	356	08	57	-185	541
11	00	17	855	08	59	048	807	11	03	108.6	09	01	15.8	92.8	00	17	301	09	30	-133	434
12	03	37	865	08	48	194	671	08	22	95.9	03	53	-04.9	100.8	03	02	282	03	52	-235	517
13 Q	08	34	754	07	18	415	339	17	13	73.0	07	10	22.4	50.6	06	04	283	07	19	-045	328
14	07	40	753	10	40	667	86	15	08	71.8	22	23	50.5	21.3	02	28	284	10	46	126	158
15 Q	09	00	751	10	12	677	74	06	30	75.1	22	55	49.6	25.5	01	39	241	10	20	136	105
16 Q	22	30	749	19	30	684	65	16	57	63.1	24	00	39.2	23.9	01	57	222	07	02	171	51
17 D	21	20	1111	15	30	-110	1221	12	46	160.1	11	13	-23.0	183.1	15	35	791	13	22	-279	1070
18 D	19	12	823	13	05	345	478	07	51	112.2	07	32	-13.6	125.8	07	47	569	07	20	-046	615
19	03	13	976	15	00	200	776	14	34	101.6	15	34	30.8	70.8	03	14	365	14	38	-269	634
20	01	44	1069	08	20	150	919	12	23	105.0	08	58	-01.6	106.6	02	56	363	08	41	-158	521
21	01	56	958	12	59	401	557	09	16	86.3	05	16	40.4	45.9	01	55	348	12	50	-164	512
22	00	33	1016	16	00	445	571	14	43	70.3	02	34	28.1	42.2	00	34	379	15	31	-040	419
23 D	03	18	1006	14	35	-060	1066	12	14	158.3	06	30	-46.9	111.4	03	42	399	06	12	-572	971
24 D	23	20	1521	18	06	262	1259	22	44	285.4	22	10	16.2	269.2	22	01	725	23	40	-485	1210
25 D	02	42	1107	07	32	019	1088	11	37	148.7	07	40	-41.1	189.8	00	58	365	12	37	-219	584
26	00	09	1019	16	21	662	357	16	09	67.8	00	21	40.7	27.1	00	42	333	16	08	210	123
27	23	22	1002	09	53	640	362	16	11	70.2	24	00	37.9	32.3	23	16	342	09	20	092	250
28	00	07	915	08	12	558	357	05	46	79.4	05	17	17.1	62.3	00	08	328	08	18	070	258
29	23	32	785	09	24	332	453	17	29	70.7	09	16	31.6	39.1	03	56	290	09	18	-167	457
30	24	00	740	15	01	644	96	17	14	64.7	20	06	42.8	21.9	00	00	244	15	20	132	112
31																					
Mean			900			401	499			95.2			24.6	70.6			352			-055	407
No. days			30			30	30			30			30	30			30			30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 179. Meanook. (H.) 12,000 γ + May, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	731	710	734	727	725	718	720	698	692	604	549	458	153	145	015	440	574	595	585	633	810	950	936	1050	623
2 D	1130	1087	959	918	872	839	524	340	763	601	437	361	539	491	679	594	660	728	723	699	681	728	739	760	702
3	800	844	953	923	883	775	652	565	646	565	409	671	702	693	670	633	657	692	694	691	687	684	704	795	708
4	716	724	736	712	726	726	720	708	712	705	705	706	720	728	723	716	695	699	695	697	684	686	685	689	709
5	708	724	731	729	744	749	679	694	590	599	666	724	722	711	728	705	704	712	706	701	692	730	720	737	704
6 D	782	757	786	795	838	895	787	727	733	707	522	679	566	019	370	600	631	656	710	702	701	742	948	1065	697
7 D	964	1072	1254	1048	847	796	540	528	551	590	186	443	608	637	588	619	672	702	720	715	704	707	742	812	710
8 D	885	912	904	831	742	727	399	438	480	342	337	408	551	616	462	704	729	720	698	709	742	765	812	786	654
9	794	795	815	697	757	743	672	591	554	301	546	522	656	659	713	719	702	733	722	722	723	701	720	731	679
10	725	736	741	741	716	727	720	713	713	713	705	715	733	731	744	731	706	712	707	712	709	703	694	696	718
11 Q	726	713	723	718	721	723	723	725	721	718	700	625	706	713	710	711	710	703	701	702	703	701	704	717	709
12 Q	724	718	724	725	731	724	722	723	729	727	722	717	681	717	734	731	721	706	703	710	719	716	727	724	720
13 Q	724	719	722	726	723	729	729	712	668	707	736	729	698	691	722	724	714	706	694	711	713	693	694	729	713
14 Q	737	730	729	727	727	725	723	725	725	727	733	734	738	740	726	739	731	719	708	703	699	706	713	720	724
15	717	729	745	747	752	824	787	741	690	665	688	649	596	648	682	728	727	717	700	697	695	696	707	734	711
16	738	737	770	852	824	799	730	282	409	457	676	773	702	705	704	709	704	697	681	683	694	701	705	717	685
17	705	708	704	712	716	720	741	741	726	716	712	705	652	759	676	672	635	646	649	695	721	735	738	778	707
18	841	847	828	897	819	741	713	703	705	710	706	690	618	642	623	624	648	670	672	689	713	741	765	810	726
19	872	837	900	997	894	753	774	617	608	706	723	717	723	731	729	714	694	685	659	680	693	736	765	816	751
20	835	848	937	942	828	550	557	547	327	612	694	682	731	719	700	641	640	667	670	669	704	718	741	760	698
21	761	762	769	761	777	800	745	739	727	708	714	713	696	624	579	572	626	633	655	668	686	717	830	855	713
22	953	1007	1004	952	769	650	705	722	210	245	447	689	718	717	671	644	707	706	695	694	709	771	802	855	710
23	864	883	983	966	793	696	649	529	442	663	557	579	680	722	736	689	678	664	675	710	773	756	853	1008	731
24	844	708	936	823	877	467	619	717	711	712	716	714	712	723	655	599	648	687	661	696	770	765	777	791	722
25	841	888	848	776	699	703	698	700	699	668	704	682	632	647	628	596	711	714	700	703	703	723	834	862	723
26	872	883	821	820	853	675	498	633	635	504	519	672	650	677	654	640	686	707	700	720	749	732	740	757	700
27	830	763	788	775	763	718	703	692	702	700	647	693	716	715	719	715	708	704	702	704	711	743	772	784	728
28	921	855	1072	770	719	703	737	725	670	728	725	666	620	750	752	739	726	709	713	700	713	732	740	779	748
29	848	943	909	1111	1030	885	801	675	555	588	551	551	400	555	754	712	735	679	745	708	772	725	754	706	737
30	704	703	717	706	714	709	706	709	703	697	643	635	715	723	724	726	719	717	702	697	698	703	703	708	703
31 Q	719	722	727	740	735	735	733	693	674	721	732	733	740	747	748	741	729	715	695	696	700	728	715	697	721
Mean	807	808	838	818	784	733	684	647	628	626	616	646	648	648	655	672	688	694	692	698	715	730	757	788	709

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 180. Meanook. (D.) East. 25° + . . . ′ May, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	48.0	52.4	53.5	55.4	53.4	50.9	48.8	49.2	46.1	52.8	59.2	62.5	98.8	28.6	100.3	89.5	79.2	65.0	64.8	56.8	54.9	67.9	66.4	57.9	60.9
2 D	52.2	46.6	38.1	39.1	36.2	13.4	28.6	45.8	49.0	54.1	61.2	62.4	54.5	67.3	67.7	71.2	67.3	56.7	59.6	53.5	48.8	49.1	50.1	51.4	51.0
3	50.9	52.6	46.1	43.0	40.9	35.8	55.1	45.8	53.3	56.4	33.7	54.1	59.3	66.6	67.4	64.5	63.5	60.5	54.8	56.8	52.0	46.6	45.4	47.5	52.2
4	50.9	48.8	48.7	51.0	51.8	56.6	53.2	50.4	50.1	52.2	48.8	53.2	58.3	61.1	62.8	65.1	61.9	60.8	53.6	50.9	48.8	47.6	45.7	44.6	53.2
5	44.9	47.1	48.9	50.6	50.5	55.5	54.9	54.7	56.2	50.7	51.6	52.8	56.5	59.2	62.9	63.1	63.5	59.5	59.3	51.5	51.0	47.3	39.9	39.0	53.0
6 D	38.8	39.0	41.1	43.3	44.2	47.8	48.3	49.9	55.6	54.4	59.1	61.8	55.5	72.2	78.6	73.5	67.3	54.6	54.0	55.1	61.2	57.8	60.1	64.6	55.7
7 D	49.0	27.2	09.0	39.1	41.7	33.8	31.0	50.7	58.4	61.3	56.8	68.9	59.1	65.9	69.5	67.3	59.3	57.6	54.6	50.1	48.8	48.6	48.5	40.8	49.9
8 D	41.8	58.0	49.0	50.8	48.5	50.9	49.7	48.6	53.0	67.8	58.9	42.9	56.8	64.8	72.1	65.4	66.2	64.1	60.1	52.5	52.1	54.0	51.9	46.5	55.3
9	42.8	48.4	45.8	47.1	52.2	50.2	46.9	48.7	49.9	49.9	54.7	56.8	49.7	54.6	59.2	60.6	61.7	58.4	51.9	48.2	48.7	47.6	47.4	47.4	51.2
10	47.8	49.0	49.5	57.8	54.9	51.8	51.6	50.7	51.3	51.1	50.2	53.1	56.4	59.0	62.7	66.2	68.5	57.7	55.8	51.1	49.9	49.8	49.2	48.6	53.9
11 Q	48.3	49.2	49.0	49.5	51.3	53.3	51.9	50.3	50.9	50.8	54.1	53.4	57.2	59.6	62.2	60.4	58.5	56.5	53.4	50.8	51.1	49.7	49.7	48.3	52.9
12 Q	48.5	49.7	50.8	53.6	54.7	51.8	53.2	58.0	52.4	48.8	49.5	49.2	49.7	57.8	59.9	60.8	60.4	58.1	53.2	49.2	43.5	42.5	42.9	44.4	51.8
13 Q	46.4	48.7	50.4	51.1	50.9	49.8	58.5	42.7	56.8	56.0	52.0	54.0	52.2	58.4	62.1	62.7	62.0	58.4	52.1	48.9	47.9	46.4	45.4	47.9	52.6
14 Q	49.9	50.1	51.5	52.8	52.2	52.0	54.9	56.4	52.7	50.9	50.9	53.0	54.2	58.1	63.2	66.0	64.3	59.9	54.4	49.4	48.2	47.4	46.9	46.2	53.6
15	47.4	47.5	47.3	47.1	47.3	45.0	45.5	44.9	62.9	61.8	58.4	59.4	61.2	75.2	68.3	66.2	60.3	56.2	53.8	50.0	49.7	48.1	46.9	46.3	54.0
16	45.2	44.4	45.7	48.2	70.6	41.6	42.5	57.5	70.1	56.1	53.1	55.2	60.9	66.9	65.5	66.0	64.4	59.5	54.2	49.4	45.5	42.7	43.9	46.2	54.0
17	48.9	50.6	51.1	51.5	48.7	48.5	49.5	52.0	51.5	51.6	52.7	54.7	57.4	58.4	62.6	63.5	65.0	55.7	45.5	42.4	41.4	43.0	43.4	45.7	51.5
18	45.2	40.6	38.7	38.1	45.9	47.9	49.3	47.6	47.8	48.3	48.1	51.1	49.3	61.4	60.3	59.4	60.5	54.7	47.3	43.7	43.0	43.2	43.2	44.0	48.3
19	43.6	41.1	36.7	39.0	41.9	49.2	45.0	48.7	42.4	49.9	52.2	56.3	60.1	62.6	63.8	64.5	63.2	58.5	54.5	46.3	45.4	44.9	44.5	45.4	50.0
20	44.6	45.4	37.7	34.8	37.8	39.6	51.3	53.0	54.4	50.7	49.2	52.0	55.1	60.4	63.6	63.6	58.9	52.6	48.2	42.5	37.3	37.7	38.2	40.0	47.8
21	39.6	40.6	37.9	39.5	43.4	45.2	46.0	47.1	45.4	43.6	45.3	47.3	55.9	56.8	58.6	60.8	59.1	60.7	46.8	36.6	37.1	39.6	42.6	40.6	46.5
22	32.9	39.8	46.2	46.9	47.2	49.4	43.1	47.3	51.1	71.5	49.3	54.4	59.7	67.1	69.2	69.6	57.0	56.6	51.8	48.0	48.1	48.2	42.7	45.2	51.8
23	41.3	38.7	35.8	42.1	42.7	52.8	51.6	42.3	51.7	56.1	70.7	46.3	58.3	60.7	64.5	67.2	58.7	60.3	51.9	45.3	59.2	45.6	48.7	49.2	51.3
24	47.4	43.0	40.9	44.4	36.0	30.5	43.7	53.0	50.0	48.3	49.3	52.0	55.1	59.1	59.3	61.7	59.7	53.0	60.6	52.9	54.0	49.3	45.3	43.0	49.6
25	47.9	52.0	44.9	50.7	45.0	48.3	55.4	45.9	46.6	42.6	45.8	46.7	47.0	53.8	57.8	60.1	55.3	55.5	54.5	55.5	56.9	54.6	50.6	41.1	50.6
26	44.5	41.3	43.0	43.7	32.9	45.8	40.2	55.1	49.3	51.3	47.5	51.1	56.2	60.6	62.6	63.1	56.6	56.9	54.8	51.3	48.6	45.4	45.4	46.5	49.7
27	47.4	47.9	47.8	43.8	46.9	51.1	45.4	48.8	50.3	49.7	44.7	53.2	58.4	60.0	62.8	63.6	61.1	58.5	53.0	49.7	48.4	48.5	49.3	40.8	51.3
28	38.3	35.7	32.9	41.3	40.3	44.5	42.7	45.4	55.7	48.0	47.3	46.4	53.0	57.8	60.6	59.9	57.8	56.1	53.1	47.3	43.3	41.2	39.8	36.5	46.9
29	34.6	37.9	33.0	24.1	07.3	27.9	37.0	37.7	77.9	64.7	61.6	55.6	65.0	62.7	54.8	62.4	64.7	66.4	50.8	52.0	50.1	47.1	48.7	47.4	48.8
30	50.1	52.3	53.8	54.1	53.5	53.0	54.3	52.8	55.0	53.0	49.3	47.3	55.6	60.2	63.1	62.2	60.8	58.6	54.0	49.0	44.5	43.6	45.4	46.4	53.0
31 Q	46.6	48.9	50.1	49.7	51.2	48.3	51.1	47.8	50.9	51.7	53.2	54.9	56.8	59.5	60.9	63.5	64.3	64.5	62.2	55.6	46.5	44.0	43.6	41.7	52.8
Mean	45.3	45.6	43.7	45.9	45.9	45.9	47.7	49.3	53.2	53.4	52.2	53.6	57.5	60.5	64.8	65.0	62.3	58.5	54.1	49.8	48.2	47.4	46.8	45.8	51.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 181. Meanook. (Z.) 59,000 γ + May, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	224	225	232	219	214	209	204	188	156	090	107	008	-348	138	206	059	099	153	216	258	353	376	348	275	175
2 D	229	163	084	229	141	057	156	179	227	341	315	243	239	207	205	149	168	224	228	227	233	254	268	268	210
3	294	326	308	343	242	236	244	317	180	182	082	202	223	212	199	156	190	216	228	245	245	241	237	267	234
4	259	250	254	232	235	220	206	214	196	181	177	188	212	219	216	214	207	210	208	214	213	216	219	222	216
5	223	223	234	246	253	196	196	194	065	006	135	214	220	206	204	202	203	204	202	209	205	218	209	226	196
6 D	248	245	267	297	309	262	218	213	166	170	089	155	103	-040	-033	086	186	213	214	237	300	374	404	365	210
7 D	360	186	129	015	131	181	262	245	167	164	243	047	132	150	154	205	216	206	214	220	227	231	250	269	192
8 D	307	278	270	262	159	161	-108	006	205	119	151	228	103	183	175	228	228	198	198	221	236	270	280	265	193
9	258	271	250	008	252	240	117	124	081	-042	014	044	155	131	184	218	218	228	210	212	217	215	225	223	169
10	226	235	228	224	207	206	210	193	182	188	182	198	210	203	203	199	199	205	201	204	205	207	208	209	206
11 Q	213	215	216	215	215	221	216	210	181	166	143	066	155	190	184	189	191	195	203	206	210	216	220	221	194
12 Q	224	219	217	218	209	221	208	172	201	198	195	189	146	168	189	200	205	209	207	210	213	219	226	219	203
13 Q	216	214	215	215	211	207	175	091	120	181	210	209	177	154	184	193	191	194	194	202	211	221	225	235	194
14 Q	234	218	224	219	221	223	215	222	210	207	208	210	209	198	186	198	201	201	201	200	204	206	215	216	210
15	214	211	215	224	243	265	248	218	076	076	154	152	123	122	158	195	209	211	206	208	213	217	220	234	192
16	228	215	240	283	215	215	138	110	283	328	153	222	241	226	229	230	234	227	228	227	232	233	229	231	225
17	217	213	211	214	213	215	233	236	222	215	211	209	179	176	173	174	188	199	210	241	250	242	248	277	215
18	300	327	339	347	339	296	248	217	212	213	209	181	129	114	136	171	197	218	234	240	241	252	274	315	240
19	325	323	354	327	287	189	188	-007	079	191	214	214	213	213	207	211	213	210	212	212	223	246	279	290	226
20	294	301	255	268	226	086	175	237	-091	119	183	186	217	218	219	185	159	183	193	203	215	215	222	235	196
21	266	278	297	309	308	287	253	247	220	207	207	200	190	140	080	082	132	190	208	220	232	265	311	311	227
22	303	295	242	273	210	220	237	250	197	290	289	224	238	229	195	170	204	225	226	229	243	265	283	474	250
23	354	361	364	276	189	211	219	232	-005	144	122	131	158	198	234	216	204	198	229	242	275	285	330	328	229
24	255	238	279	271	259	098	176	218	219	232	237	236	228	230	213	108	149	198	217	258	329	333	303	292	232
25	293	308	311	239	254	262	208	186	215	186	216	215	181	192	170	150	256	258	256	250	280	328	346	299	244
26	301	300	321	356	281	185	-027	171	143	208	197	199	197	226	216	231	265	267	277	297	312	306	308	325	244
27	336	306	308	294	302	243	224	217	218	228	175	194	234	240	244	248	245	249	249	249	253	256	303	304	255
28	341	297	266	282	275	253	249	231	188	231	241	195	176	247	257	250	250	247	253	244	244	243	248	270	249
29	321	339	323	307	151	193	206	208	174	188	216	267	330	179	258	252	256	237	253	249	303	313	307	283	255
30	264	255	274	271	270	256	241	231	210	206	178	179	205	238	235	232	226	229	233	233	239	247	247	248	235
31 Q	245	244	247	261	268	266	258	223	145	214	239	238	237	237	237	234	233	227	224	226	231	234	248	255	236
Mean	270	261	257	250	235	212	193	193	163	182	184	182	175	185	191	188	204	214	220	229	245	256	266	273	218

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 182. Meanook. May, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	24	00	1236	14	15	-193	1429	12	29	184.0	13	22	-10.1	194.1	14	13	601	12	30	-600	1201
2 D	00	00	1236	07	25	-073	1309	07	25	103.2	06	52	-25.4	128.6	06	27	531	06	48	-281	812
3	02	38	1005	07	15	157	848	10	00	70.2	04	40	-05.8	76.0	07	22	477	10	17	-056	533
4	02	06	769	16	18	675	94	15	26	67.9	24	00	43.2	24.7	02	08	272	10	26	158	114
5	05	02	823	08	11	560	263	20	48	73.0	22	43	33.9	39.1	04	52	286	09	17	-071	357
6 D	23	03	1191	13	45	-079	1270	13	39	111.0	00	59	33.7	77.3	22	14	436	13	56	-192	628
7 D	02	00	1489	10	50	-030	1519	10	59	123.6	03	51	-74.1	197.7	07	00	564	03	50	-346	910
8 D	00	52	1082	07	10	161	921	14	26	94.3	06	43	09.3	85.0	10	52	376	06	25	-451	827
9	03	00	1043	09	13	195	848	03	13	103.1	09	32	21.1	82.0	02	03	338	09	24	-196	534
10	02	52	757	16	47	679	78	16	51	75.9	00	18	44.5	31.4	01	36	246	08	42	174	72
11 Q	02	52	751	11	38	544	207	11	59	64.6	11	26	44.6	20.0	02	50	225	11	38	-040	265
12 Q	22	05	748	12	35	661	87	07	06	67.1	22	06	40.8	26.3	22	04	238	12	48	111	127
13 Q	06	50	762	08	17	648	114	06	48	67.1	07	47	30.8	36.3	23	03	244	06	55	064	180
14 Q	01	47	750	18	14	692	58	15	38	67.3	22	45	44.3	23.0	00	20	238	14	26	176	62
15	05	46	861	12	12	498	363	13	48	78.4	07	50	36.0	42.4	05	42	286	08	31	024	262
16	03	52	972	07	35	-057	1029	07	42	109.7	07	43	-06.7	116.4	08	22	506	07	55	-204	710
17	23	59	846	16	29	623	223	16	07	68.9	19	01	36.3	32.6	23	30	298	15	52	164	134
18	03	17	932	14	00	593	339	13	56	66.9	03	20	26.8	40.1	03	04	371	12	27	103	268
19	03	18	1039	07	52	455	584	07	27	69.1	04	31	26.0	43.1	02	38	393	07	46	-176	569
20	03	45	1031	08	30	137	894	08	37	83.1	03	45	07.7	75.4	02	08	362	08	55	-338	700
21	22	38	931	15	26	547	384	15	16	68.5	19	44	25.9	42.6	22	37	349	15	01	057	292
22	02	14	1131	09	15	-074	1205	09	00	140.0	08	16	19.5	120.5	09	35	528	09	08	-073	601
23	23	41	1151	07	51	075	1076	08	24	75.0	07	38	-01.5	76.5	22	52	426	08	01	-146	572
24	02	56	1107	05	25	106	1001	15	27	68.7	02	49	-01.7	70.4	20	54	368	05	16	-051	419
25	03	07	1042	15	33	541	501	06	46	72.6	23	55	29.3	43.3	22	48	384	06	53	090	294
26	04	28	923	05	08	295	628	07	17	72.1	04	58	-16.6	88.7	04	07	375	06	27	-189	564
27	00	25	876	10	46	621	255	15	07	64.5	24	00	34.1	30.4	00	23	382	10	42	150	232
28	02	32	1313	12	08	416	897	08	13	63.3	02	36	-45.5	108.8	00	37	434	12	04	030	394
29	03	16	1208	12	58	275	933	08	12	121.9	04	35	-09.3	131.2	12	40	440	08	12	006	434
30	13	03	743	11	55	584	159	13	46	64.5	11	57	42.5	22.0	02	40	279	11	59	144	135
31 Q	02	11	766	07	54	644	122	16	58	66.2	23	42	39.8	26.4	05	27	288	08	37	102	186
Mean			984			351	633			84.7			15.3	69.4			372			-060	432
No. days			31			31	31			31			31	31			31			31	31

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 183. Meanook. (H.) 12,000 γ + June, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	717	738	721	726	740	731	733	736	740	741	745	735	744	752	750	689	669	705	708	694	684	699	723	758	724
2	745	798	843	959	798	752	752	726	609	467	457	553	641	684	709	727	682	658	684	711	690	716	728	747	702
3	752	785	742	748	780	745	721	678	663	721	632	546	667	638	730	721	691	701	702	691	696	711	727	733	709
4	748	791	774	789	757	710	732	682	540	675	682	656	668	685	678	702	723	709	697	705	713	722	730	738	709
5	756	751	739	754	748	748	725	665	699	693	689	716	702	712	712	729	703	704	703	695	700	710	718	757	718
6	722	735	745	760	751	733	733	720	730	735	731	731	732	745	753	744	728	709	696	694	693	713	714	735	728
7 Q	749	734	735	727	730	732	726	726	731	734	740	737	725	744	744	729	726	713	715	716	710	712	713	721	728
8 Q	732	759	748	740	733	732	735	738	737	738	737	744	742	749	752	752	735	727	720	710	707	713	729	734	735
9 Q	740	745	730	734	735	730	729	724	730	737	733	738	740	741	743	730	723	721	716	712	711	716	723	744	730
10	727	747	738	745	741	740	743	750	751	750	745	752	768	770	759	752	743	729	721	715	716	717	720	727	740
11 Q	728	740	740	743	741	742	739	732	719	615	691	705	727	753	753	741	726	711	700	693	703	711	726	729	721
12	733	743	743	726	722	736	741	731	725	717	712	716	701	706	730	734	720	714	710	708	710	722	733	725	723
13	758	778	779	756	753	751	748	745	742	740	738	735	733	728	724	713	710	699	694	705	724	752	864	854	747
14 D	892	1150	925	964	631	849	829	665	153	202	368	205	322	213	481	603	635	715	730	775	818	800	790	780	646
15	770	775	747	728	719	703	694	683	653	684	680	645	686	727	728	728	722	720	740	756	765	784	790	793	726
16 D	793	799	885	793	791	326	496	153	123	062	669	636	636	647	657	666	682	717	733	738	730	733	728	738	622
17	735	744	724	722	708	709	711	712	715	720	727	736	736	741	731	732	711	710	702	711	718	744	737	718	723
18	773	815	802	849	973	785	772	494	593	591	470	557	734	641	608	634	699	676	682	711	744	741	759	800	704
19 D	801	812	885	864	792	767	577	510	624	502	688	668	647	630	626	654	691	704	699	693	718	765	854	874	710
20	849	849	846	799	818	668	717	598	491	649	687	625	643	661	677	695	707	711	709	710	718	712	711	741	708
21	714	678	810	776	790	709	701	477	595	684	691	700	707	715	725	735	737	732	727	684	671	724	768	758	709
22	811	789	750	746	821	683	637	726	723	685	624	708	729	730	720	716	693	692	704	700	706	735	744	783	723
23	817	826	780	745	726	708	728	724	661	635	704	727	676	713	719	711	691	694	714	718	730	732	747	753	724
24	743	790	828	798	739	748	741	738	733	732	730	737	731	729	736	741	748	731	711	703	710	706	693	738	739
25 Q	736	753	750	729	714	722	725	724	725	723	723	722	712	714	723	723	716	702	694	695	705	704	701	716	719
26	735	748	738	731	733	750	736	740	744	729	696	720	745	747	744	733	732	711	694	691	700	689	717	793	729
27 D	740	723	749	748	816	780	765	740	638	517	419	583	555	620	702	734	736	720	716	718	722	737	734	740	694
28	724	723	726	730	735	741	742	741	732	736	719	663	622	707	742	702	718	697	686	714	725	773	721	770	720
29 D	814	769	787	923	803	807	646	504	642	684	708	591	480	566	681	608	694	727	708	729	736	732	730	731	700
30	769	752	750	728	741	758	742	733	575	480	701	749	733	733	706	720	706	712	686	697	714	718	741	721	711
31																									
Mean	761	778	775	776	759	726	717	667	641	636	668	668	680	691	708	710	710	710	707	710	716	728	740	755	714

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 184. Meanook. (D.) East. 25° + . . . ′ June, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	44.5	47.9	50.0	49.0	50.1	50.7	49.9	51.8	49.6	48.0	47.5	48.4	53.3	58.5	60.3	59.8	60.5	64.2	52.9	48.2	34.4	35.7	36.4	40.0	49.7
2	45.5	47.3	42.3	52.3	59.7	48.0	49.3	53.9	67.1	66.9	59.6	63.0	59.1	65.3	69.3	66.2	62.0	59.5	52.5	44.9	46.0	48.2	47.4	47.1	55.1
3	47.7	46.9	48.5	48.4	54.0	57.3	52.9	58.1	69.6	51.1	49.2	45.7	62.8	61.5	64.0	64.2	61.9	55.9	50.6	49.1	47.7	44.2	46.7	48.4	53.6
4	50.5	44.2	47.5	49.8	50.8	53.0	54.0	60.2	55.5	67.0	55.6	51.7	46.2	50.7	52.7	52.0	54.5	61.3	68.5	66.6	65.2	61.2	50.4	47.1	54.8
5	50.8	52.1	53.5	55.6	56.4	54.8	51.0	49.9	52.1	52.6	54.8	54.3	58.5	61.6	61.4	64.2	62.7	59.5	55.6	49.4	47.3	45.8	45.5	47.3	54.0
6	49.1	50.3	51.4	59.5	52.3	57.2	52.1	49.9	52.3	50.3	51.0	52.7	58.5	63.0	63.8	63.9	62.4	59.5	53.6	48.6	47.8	45.2	44.2	42.9	53.4
7 Q	43.9	46.0	49.3	48.7	49.5	50.4	52.8	50.7	48.9	49.6	50.5	51.3	53.2	59.0	60.2	58.4	58.1	56.6	51.7	50.6	47.6	45.5	43.9	44.8	50.9
8 Q	46.4	49.6	54.1	53.9	50.8	50.6	50.5	56.0	54.4	50.8	49.6	51.7	54.7	60.3	64.0	65.0	60.2	56.6	53.3	47.8	45.8	44.3	44.8	45.8	52.5
9 Q	47.2	48.7	50.0	50.3	50.3	51.2	51.7	50.3	50.5	50.6	48.7	50.5	55.6	59.7	60.2	59.8	60.7	58.0	55.4	50.7	46.9	44.7	45.5	45.7	51.8
10	46.0	47.5	47.5	48.2	48.8	48.2	48.5	47.6	49.3	51.0	52.6	54.4	55.9	59.3	59.4	61.2	61.0	58.3	55.0	48.9	45.3	45.3	46.4	45.9	51.3
11 Q	46.5	46.5	49.1	48.8	48.4	49.9	48.6	52.3	47.3	43.9	51.2	54.3	62.6	63.5	62.0	61.7	60.8	58.3	55.2	52.7	48.1	47.1	46.5	47.4	52.2
12	47.9	46.6	47.8	46.9	45.5	45.2	50.5	49.7	49.9	49.1	52.1	53.3	57.0	56.9	59.6	60.9	60.3	58.8	53.6	49.7	47.5	45.8	44.1	43.0	50.9
13	43.6	44.8	46.1	47.0	48.1	50.4	51.2	49.8	50.0	53.2	57.2	58.8	59.6	60.5	61.3	62.1	60.8	61.8	56.9	53.5	42.9	41.0	32.6	38.5	51.3
14 D	8.5	30.4	41.9	33.1	23.7	38.3	44.3	42.5	72.8	64.0	45.6	61.8	73.4	90.6	80.4	70.1	61.9	59.0	55.6	51.6	47.7	47.9	48.3	48.8	52.6
15	45.8	42.8	45.6	47.3	50.8	47.7	46.7	51.0	43.8	46.9	45.5	51.1	50.3	53.3	57.9	60.8	64.8	65.9	61.2	55.4	52.2	46.8	45.8	46.8	51.1
16 D	42.4	39.0	41.8	38.3	39.0	43.2	28.4	84.9	62.1	53.9	60.0	54.7	55.4	56.0	56.9	59.8	59.3	60.2	59.2	54.5	48.7	47.7	45.5	44.6	51.5
17	46.6	47.5	49.1	50.3	51.0	51.0	51.6	50.5	50.6	50.8	51.8	53.4	55.3	58.7	61.0	62.1	64.0	63.9	59.3	51.0	45.1	42.9	43.3	41.9	52.2
18	40.1	39.3	41.9	39.2	42.9	47.6	38.8	38.1	52.3	45.3	52.5	64.7	56.2	64.8	61.2	58.4	58.5	61.1	50.5	41.9	41.4	41.1	42.0	43.4	48.5
19 D	41.7	41.7	42.1	41.9	49.0	45.3	44.8	45.5	55.6	49.3	45.0	51.5	60.0	61.7	61.9	64.0	64.1	63.3	55.3	54.4	46.7	45.2	45.6	43.5	50.8
20	42.2	47.5	47.7	47.7	47.2	54.0	49.4	45.5	57.3	49.7	49.1	48.6	55.5	60.0	62.3	64.2	66.1	61.1	55.9	49.8	48.2	45.0	42.9	44.5	51.7
21	48.5	48.1	59.2	51.9	51.2	55.4	52.4	41.0	53.9	55.8	56.8	57.8	58.8	59.8	60.8	61.9	62.0	61.6	62.5	58.3	48.5	41.9	41.2	40.4	53.7
22	42.8	40.0	41.6	43.6	44.8	46.0	47.2	56.5	47.8	47.1	45.3	48.8	53.2	55.5	58.4	59.9	62.1	61.2	54.6	49.6	48.3	47.5	47.2	45.3	49.8
23	40.8	46.6	43.5	46.2	50.0	50.8	44.8	46.7	46.5	40.6	48.0	51.0	50.0	57.4	59.3	61.8	63.0	58.4	54.2	46.0	43.8	45.7	44.8	46.5	49.4
24	48.4	45.6	55.6	51.5	47.7	49.7	47.2	49.2	47.3	49.1	48.5	51.3	52.0	58.6	61.9	64.0	64.0	60.4	55.7	48.3	45.5	44.8	44.3	44.6	51.5
25 Q	47.6	47.6	49.1	51.2	48.6	49.2	49.6	51.6	48.1	49.3	50.3	51.5	54.3	60.0	62.6	63.8	62.9	58.9	55.4	48.5	48.5	45.1	44.6	44.3	51.8
26	44.2	43.6	50.4	46.4	46.3	46.2	46.7	46.9	46.6	47.4	47.5	50.5	54.0	57.3	63.3	64.0	64.3	57.3	51.3	47.8	43.8	38.2	43.4	46.7	49.8
27 D	45.6	49.4	49.6	49.4	47.4	46.0	52.5	49.3	52.3	44.8	57.3	61.5	54.6	65.7	70.7	64.0	60.4	52.9	50.7	47.1	45.0	46.5	45.4	46.0	52.2
28	48.5	48.5	49.2	49.7	51.0	58.4	50.2	51.5	50.8	49.8	47.4	44.8	51.1	62.5	61.8	61.6	55.9	61.3	43.5	45.4	44.2	49.4	39.8	43.4	50.8
29 D	42.7	46.0	49.0	48.7	49.4	49.9	52.3	66.3	50.6	49.2	47.9	50.2	60.2	63.6	65.5	61.7	55.8	55.2	49.7	46.7	46.4	47.9	48.6	49.1	52.2
30	49.4	55.3	50.7	49.5	49.3	61.6	52.6	51.0	47.2	60.0	53.4	56.1	56.4	58.4	56.3	60.7	58.8	57.1	51.1	45.7	45.7	45.8	45.8	46.0	52.7
31																									
Mean	45.2	45.9	48.2	48.1	48.5	50.2	48.8	51.6	52.7	51.2	51.0	53.3	56.3	60.8	62.0	62.1	61.1	59.6	54.7	50.1	46.7	45.4	44.4	45.0	51.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 185. Meanook. (Z.) 59,000 γ + June, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	262	273	247	236	238	239	236	229	229	219	220	217	227	229	228	187	131	172	195	214	227	234	240	257	224
2	267	274	314	243	269	278	259	183	118	031	229	192	146	151	191	201	201	197	214	226	215	244	261	270	216
3	262	266	290	303	313	258	244	154	039	169	142	019	090	203	228	230	218	213	218	221	249	254	268	282	214
4																									
5	282	274	266	261	250	243	193	238	244	244	244	255	263	270	266	267	269	272	277	295	280	280	280	282	262
6	287	282	280	279	278	277	276	276	231	245	256	256	257	246	246	245	244	244	254	248	252	272	265	271	261
7 Q	285	288	275	264	261	263	266	255	246	244	250	248	235	240	250	245	238	232	235	237	241	251	259	267	253
8 Q	268	281	285	278	265	261	255	247	243	250	251	254	242	231	234	240	240	237	237	248	260	261	264	262	254
9 Q	261	263	259	259	264	264	263	257	246	246	244	239	244	242	242	241	241	241	242	246	246	247	255	263	251
10	258	259	256	264	272	266	253	247	244	242	243	248	250	248	246	241	233	229	231	231	232	235	242	254	247
11 Q	255	257	266	256	262	269	275	264	239	111	162	191	225	250	258	252	245	237	233	227	229	235	238	250	237
12	263	271	276	263	259	262	260	203	235	227	208	217	211	198	222	233	235	235	235	238	243	251	258	267	240
13	275	281	301	292	285	277	270	263	256	249	242	235	227	217	207	196	199	196	205	215	222	281	392	331	255
14 D	334	295	306	201	114	273	256	269	301	300	474	307	140	067	041	179	222	152	082	012	-057	-073	-089	-057	169
15	-085	340	349	332	332	289	280	245	196	244	247	175	204	277	275	292	285	291	297	303	309	317	324	349	269
16 D	321	353	348	317	301	274	284	501	563	464	330	234	227	218	211	175	233	271	290	291	290	288	293	298	307
17	289	288	281	278	277	269	269	268	267	268	271	276	276	277	275	264	262	262	261	259	252	261	263	256	270
18	275	322	350	346	288	251	221	288	271	329	141	143	223	174	188	230	262	262	251	264	282	301	307	342	263
19 D	328	348	344	319	287	294	131	224	171	111	129	205	201	222	214	234	254	267	264	266	283	292	363	351	254
20	349	322	268	308	248	240	266	234	248	243	198	201	213	225	237	250	263	266	268	266	266	275	272	278	258
21	278	307	327	307	303	194	224	-009	103	159	190	233	248	254	266	281	279	267	266	271	274	299	300	305	247
22	313	308	294	286	309	276	239	238	254	210	179	244	261	263	267	265	260	259	260	255	256	267	281	320	265
23	325	317	310	309	267	144	208	231	150	113	207	238	195	246	275	265	253	239	251	263	269	280	280	292	247
24	301	316	338	292	280	283	270	258	248	234	222	223	226	229	235	240	243	242	244	247	251	262	264	291	260
25 Q	290	297	307	270	254	249	252	245	232	243	244	243	237	231	226	230	236	234	227	228	237	242	242	246	248
26	253	261	273	257	259	270	258	246	240	216	182	213	236	241	241	241	241	239	235	238	240	244	258	283	244
27 D	295	275	264	270	285	231	247	246	089	014	008	172	204	164	154	203	233	244	251	258	259	268	264	260	215
28	256	248	245	246	260	255	256	256	230	226	207	132	140	165	216	213	214	219	219	236	249	288	306	290	232
29 D	274	273	303	298	164	249	106	113	061	162	198	117	153	086	168	146	201	249	233	244	259	255	261	272	202
30	275	300	279	249	254	272	239	245	114	-029	153	234	235	231	202	222	225	232	234	236	248	253	271	276	227
31																									
Mean	272	291	293	279	265	258	243	238	218	206	216	212	215	217	224	231	236	238	238	241	244	254	265	273	244

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 186. Meanook. June, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	23	22	812	16	13	638	174	17	37	69.3	21	01	32.6	36.7	23	23	279	16	26	115	164
2	03	15	1047	10	56	340	707	04	07	82.2	03	01	31.8	50.4	02	50	355	09	11	-056	611
3	04	55	880	08	14	334	516	08	24	95.8	11	14	36.3	59.5	04	54	342	12	02	-047	389
4	03	39	946	08	28	463	483	09	16	83.9	12	22	35.2	48.7							
5	23	05	785	07	53	499	286	15	21	66.6	07	46	40.9	25.7	09	56	297	19	12	190	107
6	03	33	776	18	40	691	85	03	42	64.4	23	34	41.0	23.4	21	22	282	08	56	208	74
7 Q	00	42	767	17	17	702	65	14	04	61.3	22	30	42.9	18.4	00	42	298	17	15	126	172
8 Q	02	00	767	20	41	703	64	15	18	65.9	21	35	43.6	22.3	02	45	292	13	47	224	68
9 Q	23	22	772	20	07	707	65	16	22	62.7	21	43	43.6	19.1	23	19	277	10	58	234	43
10	01	50	768	23	00	708	60	15	52	62.5	20	42	43.7	18.8	04	37	280	16	59	226	54
11 Q	14	00	761	09	34	592	169	12	34	66.3	09	12	41.6	24.7	06	00	289	09	43	087	202
12	01	50	761	12	11	695	66	16	40	61.9	23	36	41.9	20.0	01	58	279	08	04	154	125
13	22	50	909	17	58	673	236	18	51	64.0	22	22	27.0	37.0	22	30	432	15	12	176	256
14 D	01	06	1224	09	47	-528	1752	09	38	173.6	04	31	-08.1	181.7	09	54	761	04	17	-156	917
15	01	24	793	08	16	645	148	07	29	70.5	08	12	30.2	40.3	23	26	371	00	31	-113	484
16 D	02	19	1014	09	26	-665	1679	08	31	148.6	09	17	-40.7	189.3	09	08	787	09	18	074	713
17	22	00	793	18	37	696	97	17	16	65.8	21	44	40.7	25.1	01	15	293	20	26	249	44
18	04	43	1121	09	54	289	832	10	56	87.6	06	50	01.0	86.6	09	41	431	06	50	018	413
19 D	23	03	954	07	03	075	879	06	54	79.1	07	08	21.0	58.1	02	06	385	06	55	-103	488
20	02	04	1158	08	06	401	757	02	09	68.8	04	27	31.0	37.8	02	12	397	04	37	039	358
21	05	59	876	08	21	288	588	02	36	78.4	07	18	-03.4	81.8	03	22	400	08	13	-194	594
22	00	42	865	06	44	535	330	06	51	65.0	06	44	31.4	33.6	00	32	338	06	40	074	264
23	01	15	891	09	24	595	296	16	30	65.7	09	26	34.2	31.5	01	12	385	09	14	024	361
24	03	13	857	21	02	679	178	16	11	66.4	23	08	42.9	23.5	02	13	381	10	08	217	164
25 Q	01	48	772	22	56	688	84	16	23	65.8	23	12	43.6	22.2	02	37	320	08	07	208	112
26	23	10	839	21	23	678	161	15	40	66.7	21	09	30.9	35.8	02	29	291	10	04	170	121
27 D	04	27	842	10	10	207	635	10	07	104.6	10	26	19.5	85.1	04	40	313	10	02	-088	401
28	21	46	806	11	52	598	208	17	43	71.7	18	22	33.4	38.3	22	40	335	11	51	101	234
29 D	03	54	1071	07	32	317	754	08	07	91.9	08	31	23.2	68.7	03	31	347	08	31	-056	403
30	00	41	799	09	31	303	496	09	26	79.2	08	56	41.9	37.3	01	18	323	09	45	-160	483
31																					
Mean			880			452	428			78.5			29.2	49.3			364			070	294
No. days			30			30	30			30			30	30			29			29	29

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 187. Meanook. (H.) 12,000 γ + July, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	760	763	758	746	746	726	721	676	622	694	596	706	708	678	722	723	722	716	699	694	712	702	717	733	710
2	746	753	749	717	759	739	682	625	741	729	710	695	717	725	722	735	715	696	683	684	698	709	710	732	716
3 D	766	772	763	858	759	738	745	645	536	226	333	284	111	243	392	610	755	736	722	772	711	705	709	721	609
4 D	771	749	728	778	729	741	719	718	709	702	691	658	686	738	728	692	626	633	681	627	651	839	889	726	717
5 D	734	803	1000	1126	877	528	410	403	287	291	061	086	015	051	027	111	272	573	655	687	812	702	783	909	508
6	886	915	980	945	819	789	745	658	508	330	625	701	722	728	735	726	720	712	704	706	716	718	715	740	731
7 Q	725	715	713	716	706	707	708	710	711	714	711	701	702	680	710	725	724	721	710	708	705	702	699	713	710
8	715	721	720	715	718	717	719	719	720	719	718	716	731	743	732	707	720	708	703	683	702	688	705	746	716
9 Q	737	736	741	721	718	721	724	724	723	722	724	727	729	740	741	735	722	714	700	695	688	693	695	698	720
10 Q	731	745	737	724	719	729	731	725	724	725	729	736	744	742	739	735	738	726	709	702	710	712	713	718	727
11	751	752	756	756	756	759	760	764	774	778	785	778	814	813	772	777	761	755	740	725	746	747	748	753	763
12	721	720	715	719	716	722	727	717	719	727	725	724	703	682	713	719	679	652	674	677	680	683	687	690	704
13 Q	723	729	729	737	732	727	726	716	719	718	717	717	723	719	702	702	695	698	691	705	718	734	728	728	718
14	733	726	726	728	755	729	599	473	587	703	397	325	601	708	597	619	675	738	742	739	738	744	791	883	669
15	854	714	709	769	789	709	717	728	733	740	715	640	588	721	709	754	734	720	699	680	671	663	667	708	714
16	695	730	766	727	729	715	720	731	636	489	453	453	511	711	765	755	742	686	700	703	726	744	782	771	685
17	803	863	792	765	760	653	627	601	531	653	714	712	699	691	714	702	717	691	690	692	689	709	747	717	706
18	756	772	754	736	727	728	693	716	710	673	690	659	712	711	736	728	709	680	658	647	653	675	715	728	707
19	743	759	725	710	718	732	715	710	713	677	721	731	727	728	711	714	716	706	695	678	679	696	745	778	718
20 D	877	777	759	782	909	604	633	807	727	635	421	226	067	078	330	601	657	699	709	711	691	714	748	755	622
21 D	737	724	738	739	725	703	708	710	713	718	704	236	171	068	211	615	710	737	725	722	707	699	717	703	622
22	734	776	782	850	793	728	724	697	712	728	692	664	345	617	745	744	736	730	716	705	701	704	713	729	711
23	744	788	777	716	740	735	723	722	720	721	727	737	744	750	749	741	731	721	714	710	705	676	696	707	729
24	748	737	725	724	726	726	732	723	725	724	723	712	572	661	720	720	706	692	679	673	701	705	716	725	708
25	709	731	706	720	731	758	562	576	481	565	639	726	724	715	715	717	726	718	707	702	703	699	701	710	685
26	720	727	723	735	786	785	556	369	091	263	630	656	458	451	610	726	731	696	711	728	717	731	712	718	626
27	746	750	767	757	758	748	635	557	704	721	709	686	708	711	665	673	730	731	718	717	722	735	749	752	715
28	735	736	714	720	723	730	740	724	729	733	713	710	705	708	723	728	717	708	712	702	683	701	728	735	719
29	720	725	718	713	715	721	711	702	681	639	716	701	718	717	707	697	704	692	690	692	696	696	709	710	704
30 Q	740	746	736	742	741	735	728	722	725	727	727	726	733	728	722	714	708	699	696	697	697	697	705	702	720
31	703	709	715	720	724	726	699	689	737	725	718	719	722	735	734	727	711	699	680	685	687	709	717	734	714
Mean	750	754	756	762	752	720	688	670	650	642	643	621	600	629	654	689	700	703	700	698	704	711	728	738	694

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 188. Meanook. (D.) East. 25° + . . . ′ July, 1939.

Hour U.T. / Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	48.6	47.8	48.7	51.0	54.7	56.1	53.3	52.2	48.3	49.4	54.2	49.6	55.4	58.9	60.9	61.9	61.5	56.8	55.2	50.8	44.3	44.6	47.1	46.8	52.4
2	48.4	51.5	51.2	49.1	49.4	62.7	50.4	50.4	49.8	47.7	46.9	49.2	58.3	60.8	63.9	63.0	61.2	58.4	53.6	50.3	47.8	46.4	45.8	45.5	52.6
3 D	45.3	51.9	43.8	49.6	50.7	48.5	47.8	66.5	54.7	81.9	73.1	60.2	60.7	78.4	74.1	71.5	71.5	68.8	56.5	47.7	43.8	42.7	43.7	46.0	57.1
4 D	46.1	45.0	45.8	47.7	49.2	55.1	56.1	51.7	51.4	52.6	53.4	52.3	53.6	58.3	61.5	67.4	70.6	53.9	51.5	59.2	41.9	51.0	39.0	35.0	52.0
5 D	34.7	31.5	43.9	30.8	24.6	23.5	30.2	43.7	36.5	49.1	72.9	57.7	65.0	72.0	77.5	81.6	65.9	63.3	58.5	42.5	49.8	45.7	53.9	48.3	50.1
6	45.8	45.6	48.9	61.3	52.5	49.8	48.1	42.9	48.6	47.7	50.4	54.4	56.6	59.2	62.2	63.0	63.4	60.2	56.9	55.0	52.3	49.1	47.7	47.4	52.9
7 Q	46.7	47.7	50.3	50.5	50.2	50.4	50.1	49.7	49.9	50.4	51.1	51.6	54.3	53.8	56.7	57.3	57.3	56.1	52.4	49.6	48.3	44.9	44.1	45.3	50.8
8	47.4	48.5	50.3	50.9	50.6	50.6	51.5	50.2	49.9	49.6	48.5	50.6	56.3	58.2	59.4	63.6	65.7	60.1	58.0	47.9	42.6	42.7	45.8	46.5	51.9
9 Q	47.3	50.3	51.5	49.7	48.8	49.1	49.8	49.6	50.4	50.6	51.5	52.1	53.8	57.5	58.4	59.6	59.8	57.0	53.0	50.4	49.1	48.2	47.7	46.7	51.7
10 Q	46.3	48.3	52.0	51.8	50.4	50.2	49.5	49.5	49.7	50.3	50.6	52.2	55.1	59.3	63.6	65.7	65.0	62.9	58.3	51.3	47.6	44.8	43.6	45.4	52.6
11	46.8	46.8	46.5	46.4	46.5	47.3	47.7	48.7	50.6	50.5	52.2	52.9	56.4	61.9	63.1	63.3	58.1	57.6	55.4	43.9	43.9	43.8	42.6	42.8	50.6
12	44.8	46.6	47.8	48.2	49.2	49.2	49.5	49.3	50.0	51.2	53.9	55.8	58.1	58.2	68.0	68.3	69.4	54.7	53.4	52.0	50.7	49.4	48.2	48.1	53.1
13 Q	48.5	47.7	48.5	49.2	49.6	48.4	46.9	47.4	48.5	49.0	51.0	53.4	57.8	60.9	59.9	58.8	58.4	56.8	52.2	42.7	41.0	44.8	45.1	47.6	50.6
14	47.9	52.1	54.4	50.8	50.0	57.0	59.4	69.3	56.3	50.6	62.4	92.4	70.0	67.9	67.8	68.2	60.2	51.3	48.9	46.6	48.5	48.8	52.0	50.8	57.6
15	51.3	47.6	49.3	48.6	51.5	49.7	45.9	48.6	55.2	48.2	48.5	54.6	62.6	66.5	66.6	66.2	65.9	60.8	59.4	57.2	50.7	45.7	44.3	44.6	53.7
16	45.7	45.9	47.0	53.4	48.8	48.6	47.8	50.4	38.1	47.5	61.2	59.1	55.9	65.0	70.8	72.4	67.9	74.4	52.1	44.8	49.7	39.6	51.4	51.3	53.7
17	40.5	41.8	45.7	47.3	46.4	47.8	47.6	54.6	54.1	49.0	47.6	51.0	54.1	59.5	66.5	66.8	63.6	61.7	54.1	49.0	44.7	46.9	48.1	44.7	51.4
18	43.8	48.6	47.8	47.9	50.8	50.4	45.8	48.6	43.7	46.8	45.3	44.7	51.0	63.8	68.1	72.0	72.8	65.7	59.7	50.8	45.2	41.3	41.9	42.8	51.6
19	45.3	50.1	49.2	49.7	48.3	50.2	63.8	53.6	46.3	45.3	47.7	51.3	55.3	60.2	62.3	66.2	67.4	63.5	61.2	51.1	45.8	44.8	39.2	33.9	52.2
20 D	29.3	32.8	36.3	37.4	38.6	68.4	44.3	48.6	45.3	52.9	73.4	66.4	64.7	68.3	58.4	55.3	72.4	63.5	58.1	49.9	48.6	48.2	47.4	46.3	52.3
21 D	49.1	51.1	52.6	52.7	50.5	51.1	50.0	50.1	50.4	49.7	41.9	38.6	48.8	98.8	90.1	67.4	61.4	55.4	50.0	50.2	49.3	49.2	48.2	46.7	54.3
22	45.8	46.0	49.4	51.1	75.3	55.6	54.8	56.8	49.6	49.3	49.4	54.7	61.1	63.9	63.3	66.5	64.3	56.1	53.0	50.6	49.1	46.4	45.2	42.6	54.2
23	42.7	42.5	54.4	44.8	43.6	45.6	47.7	48.7	50.6	50.6	51.8	52.9	55.5	60.8	63.1	64.0	63.2	57.5	53.4	50.6	47.8	45.6	46.7	48.4	51.4
24	48.6	48.5	48.0	47.3	47.6	47.7	50.0	49.1	51.9	51.9	51.9	51.3	50.5	65.7	63.6	64.6	61.9	58.0	53.7	50.6	46.9	43.7	42.4	43.7	51.6
25	47.1	47.5	48.5	50.0	49.3	44.7	50.0	49.5	46.9	41.5	47.8	55.8	59.0	61.7	63.4	63.6	59.4	55.4	52.3	48.5	48.6	47.9	48.2	49.4	51.5
26	50.6	50.1	49.6	49.5	44.5	50.0	45.5	45.8	54.0	70.0	59.3	44.9	61.6	70.4	70.7	66.0	60.6	60.0	46.7	43.8	46.1	47.1	50.3	52.6	54.2
27	52.1	52.1	52.8	63.1	58.0	54.0	46.5	56.3	55.5	52.5	49.5	51.5	59.7	60.8	62.0	59.2	60.0	58.3	52.4	47.9	48.6	49.5	50.4	51.2	54.3
28	49.7	49.2	48.8	48.7	48.9	50.3	68.2	53.6	50.5	49.7	51.3	55.1	57.0	57.3	59.6	60.3	59.4	54.3	48.2	47.3	42.4	44.4	46.6	48.3	52.0
29	49.6	50.5	51.5	52.5	57.3	51.4	48.5	49.6	48.0	44.0	52.5	56.0	60.8	63.1	65.0	65.1	66.2	62.9	54.8	51.4	47.0	45.0	45.1	49.0	53.6
30 Q	51.2	52.4	54.4	53.3	64.0	52.3	51.1	50.4	50.5	48.7	51.4	55.1	58.4	59.0	58.9	58.1	56.5	51.5	48.9	45.9	44.3	42.7	44.7	47.3	52.1
31	48.7	49.8	50.9	52.0	53.1	54.0	58.7	55.1	52.7	50.5	52.2	53.4	57.1	60.2	62.3	61.2	62.9	57.6	51.2	46.3	45.8	43.7	46.1	46.0	53.0
Mean	46.3	47.0	49.0	49.6	50.1	50.6	50.2	51.3	49.6	50.9	53.4	54.6	57.6	63.5	64.9	64.8	63.7	59.2	54.0	49.2	46.8	45.8	46.2	46.2	52.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 189. Meanook. (Z.) 59,000 γ + July, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	272	263	256	254	234	229	114	107	168	-011	193	189	177	199	223	230	231	230	237	242	235	244	256	211
2	267	282	277	252	263	258	212	079	221	228	195	194	209	221	215	225	228	227	228	233	242	251	260	265	230
3D	262	259	253	346	311	273	260	139	098	063	249	324	327	-238	-135	145	246	245	288	268	257	251	258	267	209
4D	280	262	256	289	280	258	198	198	216	223	205	204	226	240	229	218	195	206	192	249	275	350	357	270	245
5D	261	256	319	251	164	065	253	452	449	464	595	468	410	183	289	225	220	234	291	298	299	314	346	333	310
6	338	305	229	120	251	260	266	265	277	252	219	214	253	257	260	256	251	251	248	249	251	256	254	260	252
7Q	256	251	255	253	243	242	241	242	241	241	238	227	229	214	229	240	243	242	238	239	244	249	249	255	242
8	262	262	256	252	247	245	242	241	236	234	233	232	236	242	239	209	206	203	216	227	233	241	245	254	237
9Q	258	269	274	249	232	228	228	227	228	228	229	231	231	230	229	228	228	226	227	226	233	238	244	251	236
10Q	256	262	263	254	243	242	241	239	237	236	239	240	243	239	232	223	218	213	219	219	216	218	220	222	235
11	222	225	228	230	227	226	227	225	221	211	221	217	221	218	205	213	217	217	206	211	216	219	220	226	220
12	225	224	224	224	223	223	226	230	223	224	226	224	208	159	176	178	188	196	202	208	214	220	225	231	212
13Q	235	237	238	248	242	230	227	224	224	225	227	224	224	224	219	219	231	230	230	237	237	246	249	253	232
14	258	256	257	232	249	186	187	227	190	208	227	140	139	180	116	103	152	232	250	248	254	277	330	380	220
15	322	259	242	284	292	242	231	224	169	241	227	174	176	216	218	232	231	229	223	227	231	229	238	240	233
16	232	244	276	266	238	226	219	186	-042	-015	171	187	185	173	212	210	211	202	214	212	278	302	298	296	208
17	301	320	309	276	230	111	-005	095	080	170	208	206	199	203	212	208	217	211	218	211	216	239	272	266	207
18	274	290	273	261	252	188	148	204	203	163	167	137	185	206	221	212	200	194	202	212	217	232	256	253	215
19	245	261	242	223	222	232	215	188	202	158	189	220	222	218	201	201	212	211	210	209	209	228	243	280	218
20D	323	282	276	299	295	011	163	245	229	133	114	163	086	126	148	124	165	210	213	230	266	294	271	244	205
21D	250	240	247	259	251	238	228	226	227	225	169	230	468	340	118	153	217	247	254	258	259	248	259	249	244
22	248	275	307	294	168	205	227	211	224	235	212	153	000	113	221	229	225	223	222	222	228	241	251	265	217
23	293	290	275	242	248	244	240	236	232	228	227	225	224	224	222	221	220	219	218	217	216	214	220	229	234
24	240	237	230	223	221	219	219	223	221	220	219	210	167	083	176	207	213	213	209	209	213	219	225	230	210
25	229	231	230	230	234	230	271	203	179	189	196	243	237	220	220	226	224	226	225	226	229	230	231	229	224
26	233	230	230	237	246	103	104	300	318	249	272	223	240	032	069	224	219	213	230	236	234	263	258	265	218
27	265	265	269	273	257	226	061	080	155	181	177	145	191	212	186	166	204	233	241	235	221	238	257	283	209
28																									
29	255	249	242	241	237	229	225	217	186	132	218	225	231	226	220	218	217	212	214	222	229	231	233	235	223
30Q	235	241	245	245	235	216	234	217	214	213	223	225	221	217	211	209	217	218	208	208	219	224	232	230	223
31	228	230	232	233	235	242	212	127	223	226	225	223	219	222	223	216	206	199	195	196	200	209	221	238	216
Mean	261	259	257	251	243	211	208	210	206	205	217	217	220	186	193	205	215	220	225	229	236	247	256	258	226

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 190. Meanook. July, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	01	58	780	08	41	451	329	16	22	67.3	08	08	21.4	45.9	00	01	321	07	55	-117	438
2	02	07	774	07	05	510	264	05	22	72.0	06	54	37.3	34.7	05	11	296	07	03	-032	328
3 D	04	06	920	12	30	-109	1029	12	36	169.7	11	16	15.0	154.7	12	18	523	13	52	-494	1017
4 D	22	07	1018	20	05	507	511	21	30	84.4	20	57	26.5	57.9	22	09	492	18	04	157	335
5 D	03	08	1269	10	36	-391	1660	08	54	151.9	08	46	-06.9	158.8	10	12	1009	13	53	-235	1244
6	02	48	1073	09	39	182	891	03	14	82.3	03	04	21.0	61.3	01	06	363	03	00	059	304
7 Q	00	06	728	13	30	664	64	16	17	58.3	23	32	43.7	14.6	02	36	263	13	33	205	58
8	13	06	748	19	12	674	74	16	14	67.1	20	36	39.0	28.1	01	08	270	16	59	209	61
9 Q	02	04	762	20	13	686	76	16	46	60.8	23	36	46.6	14.2	02	05	290	07	00	226	64
10 Q	01	32	755	19	18	697	58	16	27	67.7	22	22	43.1	24.6	02	15	265	17	33	207	58
11	13	23	833	19	15	713	120	14	53	71.3	22	47	41.6	29.7	03	30	230	14	06	190	40
12	01	41	736	17	12	633	103	15	14	78.4	17	22	36.0	42.4	17	14	233	13	23	146	87
13 Q	21	44	749	18	13	686	63	13	36	61.6	20	22	37.8	23.8	03	47	255	15	00	207	48
14	23	48	894	10	46	-042	936	11	17	163.9	10	30	33.3	130.6	10	57	430	11	54	-070	500
15	00	20	878	11	50	316	562	08	15	69.8	08	50	41.8	28.0	00	11	378	08	20	068	310
16	02	15	820	10	34	344	476	10	57	105.0	08	46	26.3	78.7	20	59	325	08	36	-100	425
17	02	35	896	08	42	359	537	08	26	78.7	09	01	31.1	47.6	01	34	343	08	48	-071	414
18	02	44	807	19	22	635	172	16	26	74.9	06	19	37.9	37.0	01	37	320	06	06	073	247
19	23	48	845	09	23	653	192	06	23	74.0	23	03	30.0	44.0	23	49	312	09	28	138	174
20 D	04	31	1040	12	11	-663	1703	12	08	168.8	13	16	-42.5	211.3	11	38	518	12	11	-339	857
21 D	22	44	807	12	11	-423	1230	13	13	194.7	12	08	-09.3	204.0	13	29	948	12	04	-386	1334
22	04	11	985	11	54	282	703	04	17	109.4	01	51	38.7	70.7	02	28	344	12	49	-072	416
23	02	18	844	21	04	675	169	02	44	71.0	02	14	38.8	32.2	02	35	340	20	54	212	128
24	00	45	766	12	42	513	253	13	31	68.8	22	14	41.5	27.3	01	14	251	12	53	-014	265
25	05	26	793	08	34	306	487	15	00	64.6	09	36	37.9	26.7	06	37	363	07	59	-170	533
26	05	07	952	08	18	-032	984	09	44	119.2	08	08	-05.7	124.9	08	07	525	13	56	-083	608
27	03	01	809	07	08	326	483	07	31	74.6	07	08	10.5	64.1	03	37	306	07	05	-124	430
28	06	43	762	20	11	678	84	06	33	77.8	02	05	40.7	37.1							
29	01	31	754	09	07	524	230	16	02	68.6	09	11	31.2	37.4	00	56	267	09	09	046	221
30 Q	01	18	755	18	36	690	65	04	24	75.5	21	04	41.8	33.7	04	34	269	04	56	192	77
31	06	50	760	07	05	620	140	06	51	79.2	21	15	41.8	37.4	23	53	243	07	00	021	222
Mean			849			376	473			91.3			28.0	63.3			376			002	374
No. days			31			31	31			31			31	31			30			30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 191. Meanook. (H.) 12,000 γ + August, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	746	725	715	722	725	727	726	724	724	723	727	733	736	741	741	728	707	685	686	690	696	717	718	721	720
2 Q	734	725	726	731	728	727	728	718	733	734	733	734	741	745	737	728	710	698	688	689	688	695	699	711	720
3 Q	738	738	733	728	729	730	731	731	732	734	732	734	741	748	746	740	728	720	703	698	696	702	706	710	726
4	716	726	731	723	722	727	729	728	726	723	718	729	728	730	740	752	736	714	694	692	694	704	704	727	721
5 Q	742	739	736	732	733	735	733	737	731	729	724	743	748	751	754	747	725	711	699	690	696	702	701	715	727
6 Q	726	732	733	734	734	733	735	735	735	736	735	737	748	753	746	743	726	715	707	695	689	697	711	732	728
7 Q	742	740	733	726	728	730	738	739	733	737	738	736	738	742	753	749	736	715	691	677	684	697	712	719	726
8	744	744	746	729	730	732	734	736	736	739	741	742	748	750	752	749	740	730	717	703	686	698	704	716	731
9	734	732	727	731	731	734	738	738	738	730	731	737	745	747	746	741	723	707	695	703	704	705	713	723	727
10	735	738	739	745	744	737	741	744	770	515	501	739	761	755	765	731	682	628	627	662	679	723	729	739	705
11	726	717	719	727	737	737	734	736	728	727	735	745	744	734	750	737	689	716	734	747	741	739	846	719	736
12 D	781	797	1034	1225	862	656	699	713	405	252	500	333	512	711	687	707	695	685	693	696	729	784	882	917	706
13 D	906	950	884	788	690	710	765	523	574	546	572	689	653	628	678	646	647	674	691	679	693	718	711	734	698
14	730	724	721	704	724	726	712	708	677	685	711	706	673	710	716	707	685	676	670	665	675	686	698	706	700
15	709	706	704	711	715	717	712	712	715	718	722	726	731	733	739	735	710	691	700	704	704	711	725	710	715
16 D	718	719	725	737	765	738	593	662	738	723	592	253	106	092	229	196	626	773	731	701	717	729	792	970	609
17	931	1034	1089	840	745	777	724	640	425	620	619	570	470	655	690	686	721	720	706	697	685	686	698	708	714
18	714	709	709	723	709	709	713	715	716	719	702	708	705	711	699	706	698	691	700	698	684	689	693	720	706
19	719	731	728	722	721	717	731	731	725	732	728	728	723	717	697	649	623	677	667	667	669	672	686	700	702
20	723	724	726	720	729	730	732	733	729	731	738	741	739	740	737	718	701	686	689	690	694	706	713	715	720
21	720	718	722	724	728	728	730	732	732	726	663	720	723	704	709	733	714	699	696	697	711	733	779	756	721
22 D	813	999	1059	1027	873	796	787	710	718	782	709	595	050	017	249	-010	310	210	385	713	928	949	1184	1101	665
23 D	933	926	761	1000	776	385	087	418	287	084	079	005	374	623	632	690	693	690	674	729	741	752	790	812	581
24	787	741	693	708	707	706	663	382	614	633	403	688	715	599	610	682	692	693	690	696	710	717	725	730	666
25	730	700	719	716	720	715	718	677	694	679	680	657	628	671	689	706	709	690	691	693	702	724	737	717	698
26	714	725	738	723	724	720	718	724	707	576	677	636	677	710	713	713	692	677	668	677	702	717	724	732	699
27	734	751	761	730	711	712	712	716	718	722	678	729	702	669	664	698	685	669	671	682	692	699	729	724	707
28	721	722	732	731	725	725	726	731	732	720	723	739	743	720	720	730	723	699	695	700	712	716	718	732	722
29	712	720	722	724	724	729	719	718	720	724	709	715	710	722	726	715	694	680	672	686	705	716	716	721	712
30	724	723	724	724	725	728	726	723	736	729	706	707	692	673	703	724	725	695	694	694	702	708	717	716	713
31	722	721	722	726	727	728	730	735	736	737	739	739	740	740	741	724	703	694	695	699	719	713	720	722	724
Mean	752	761	765	766	737	716	702	692	683	667	660	661	653	669	686	677	689	681	681	694	707	720	744	751	705

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 192. Meanook. (D.) East. 25° + . . . ′ August, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	49.2	51.1	52.4	51.5	51.6	59.0	49.6	48.5	48.4	49.0	51.4	53.6	55.5	59.4	60.3	60.8	60.0	56.7	51.0	45.7	44.2	43.9	44.7	46.9	51.8
2 Q	50.3	52.0	51.1	50.3	50.1	49.8	49.8	47.4	52.3	51.3	52.0	54.5	57.4	61.5	64.2	66.4	64.7	61.7	55.1	49.4	46.8	45.6	45.9	48.0	53.2
3 Q	49.5	50.4	50.2	49.5	49.5	49.5	50.4	50.8	51.4	51.6	51.7	53.4	55.4	57.6	58.9	59.2	60.0	57.2	51.2	46.0	43.9	43.6	45.1	48.4	51.4
4	50.3	51.0	51.9	51.2	50.4	50.1	50.4	53.4	52.3	55.2	55.4	53.4	55.2	61.5	65.1	65.4	62.1	61.0	55.4	52.6	49.4	47.4	47.3	47.2	53.9
5 Q	47.8	48.6	49.7	49.6	49.9	49.4	48.7	48.8	50.7	50.5	48.6	51.6	55.2	57.4	61.2	62.9	63.4	59.6	53.3	48.2	42.4	40.1	41.1	43.7	50.9
6 Q	46.1	47.9	48.5	48.6	48.6	48.6	48.6	48.7	50.6	51.5	52.5	53.7	56.8	59.3	62.5	63.9	65.3	61.3	56.9	51.7	46.6	44.9	44.7	44.2	52.2
7 Q	45.0	46.1	46.8	46.9	47.8	48.4	48.2	48.4	49.7	49.9	50.2	52.1	54.3	59.9	61.4	62.1	61.9	58.3	54.4	48.0	43.7	41.7	42.1	43.7	50.5
8	45.2	46.5	48.6	48.9	47.9	48.0	48.6	49.5	50.2	50.8	51.6	53.3	54.6	57.4	59.6	61.0	62.0	58.7	54.5	53.5	46.0	42.1	43.7	45.7	51.2
9	48.5	49.7	49.0	48.6	48.7	48.9	48.6	49.2	49.9	53.5	55.7	53.6	54.4	56.5	58.1	59.1	59.3	57.1	53.1	47.0	44.1	43.0	43.0	45.1	51.0
10	46.9	48.1	48.0	47.5	47.9	46.8	46.9	47.3	48.3	48.7	69.0	67.2	63.6	66.9	66.4	65.8	63.1	56.5	44.0	35.9	28.7	35.6	42.4	45.8	51.1
11	48.6	49.1	48.7	48.1	47.6	47.7	47.9	48.7	50.5	50.8	51.2	51.3	55.4	60.0	59.9	64.3	67.6	59.5	51.4	45.0	41.0	36.6	42.6	38.8	50.5
12 D	39.2	37.5	21.2	18.8	19.5	05.6	17.3	22.4	39.9	56.5	46.7	69.2	68.9	70.9	76.7	73.1	65.0	59.4	56.1	53.8	52.6	60.2	59.4	45.6	47.3
13 D	43.3	50.9	46.9	42.3	58.9	43.0	46.9	34.4	49.1	58.8	52.4	54.5	56.5	57.7	65.1	67.7	64.2	53.6	49.6	48.6	47.6	47.0	45.6	48.7	51.4
14	45.7	49.7	52.4	49.9	50.9	63.0	51.6	47.2	45.4	43.5	46.9	47.3	48.1	56.2	60.3	62.2	61.1	56.6	50.7	46.7	46.2	47.3	47.4	47.8	51.0
15	48.8	49.2	48.6	48.4	48.6	48.6	49.0	49.3	49.7	48.8	49.4	50.6	52.2	54.4	56.1	56.2	67.3	53.4	49.2	44.5	40.5	41.3	41.9	44.5	49.2
16 D	46.9	48.8	48.3	49.0	44.1	42.6	69.1	52.0	51.3	46.8	41.2	68.0	75.1	77.8	82.1	96.6	63.4	59.5	56.1	49.2	42.0	41.7	44.6	48.9	56.0
17	46.6	45.6	31.6	39.7	42.4	47.7	48.6	49.1	54.1	56.2	50.4	55.0	68.3	61.4	63.7	63.3	62.2	59.5	53.9	48.3	44.4	42.8	43.9	45.1	51.0
18	46.6	47.2	47.5	48.4	48.6	48.9	47.1	47.5	47.2	48.0	44.9	46.6	51.4	56.8	59.1	59.7	59.8	55.1	50.7	48.1	45.2	44.0	45.1	44.2	49.5
19	46.6	47.5	48.5	49.2	46.9	46.8	46.3	46.1	45.6	46.2	48.6	50.7	55.1	60.8	67.7	66.7	61.2	56.3	52.1	45.5	40.6	39.4	39.3	40.7	49.8
20	42.2	44.3	45.2	46.7	46.2	46.7	46.4	47.2	47.7	48.7	49.1	50.2	51.7	54.2	56.7	60.2	58.6	55.2	49.5	45.3	42.3	40.8	41.0	42.8	48.3
21	45.4	46.0	45.2	45.1	45.2	45.7	46.2	46.8	47.2	47.9	50.5	53.9	54.8	58.5	60.7	60.6	61.9	59.5	51.7	43.4	41.5	39.9	36.9	39.0	48.9
22 D	39.0	31.9	34.3	36.7	39.2	39.4	41.8	41.5	44.6	46.2	54.0	52.4	100.4	117.3	101.5	106.0	71.0	61.5	64.4	48.9	59.6	71.1	77.3	59.1	60.0
23 D	57.7	46.2	43.0	28.9	13.0	-10.3	35.2	51.0	-06.2	10.1	82.7	63.0	24.4	52.1	63.5	61.5	56.7	47.0	47.7	44.0	45.2	48.7	49.8	51.2	41.5
24	51.3	49.6	47.7	47.6	48.8	49.6	39.0	45.3	53.6	56.5	49.1	53.5	54.2	59.7	56.7	57.8	54.4	48.5	45.7	43.9	43.9	43.5	44.8	47.2	49.7
25	51.0	48.6	52.6	52.8	49.6	47.7	46.4	48.4	48.8	47.3	46.7	41.3	52.4	62.6	61.4	56.8	54.1	51.5	46.5	42.4	41.5	44.5	46.5	48.1	49.6
26	49.3	49.0	48.3	49.0	49.7	49.0	48.5	48.2	48.8	45.8	51.1	48.3	52.2	56.4	58.2	58.4	57.0	52.0	44.8	40.8	40.5	42.3	43.8	46.0	49.1
27	47.4	47.4	48.2	48.3	46.5	45.3	45.6	46.9	48.6	47.7	44.1	48.6	51.5	53.6	62.8	60.8	54.9	52.0	43.8	41.4	39.3	39.4	40.2	42.4	47.8
28	46.3	46.5	47.5	47.2	46.4	46.3	45.6	47.4	49.9	49.4	49.8	50.4	51.5	57.7	59.3	57.2	54.4	49.0	43.1	39.6	37.2	39.1	42.2	45.1	47.8
29	47.0	47.7	46.9	45.6	47.5	45.9	43.9	45.7	48.8	49.4	50.4	47.7	51.9	57.4	58.3	58.1	55.1	51.5	47.1	44.2	43.0	43.2	45.0	46.7	48.7
30	48.4	48.0	47.1	46.8	47.0	43.1	44.2	48.5	47.9	48.1	51.1	52.5	58.5	70.8	72.5	63.6	51.9	46.4	42.4	42.3	42.0	43.7	44.4	46.7	49.9
31	47.3	46.5	45.4	45.4	45.4	45.6	46.4	46.4	46.9	47.9	49.1	50.7	53.3	55.3	56.7	55.0	52.7	49.0	44.4	40.1	41.5	43.0	45.0	46.0	47.7
Mean	47.2	47.4	46.5	46.0	46.9	44.7	46.5	46.5	47.2	48.8	51.5	53.3	56.5	61.6	63.8	64.3	60.2	55.6	50.6	45.9	43.7	44.1	45.4	45.9	50.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 193. Meanook. (Z.) 59,000 γ + August, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	246	251	236	229	223	198	211	212	209	196	214	216	221	220	215	219	214	205	207	210	215	226	229	225	219
2 Q	229	228	226	225	225	223	224	200	202	223	222	224	223	224	222	219	202	201	204	210	211	218	223	223	218
3 Q	223	222	217	213	211	209	209	209	210	210	208	207	210	210	209	207	208	209	212	212	216	218	216	220	212
4	223	223	222	221	218	216	215	214	207	188	180	196	196	201	195	202	205	206	205	209	222	227	232	239	211
5 Q	246	239	227	219	219	223	223	219	209	200	184	210	219	218	216	213	206	195	190	193	195	198	200	210	211
6 Q	212	213	210	211	209	208	205	206	206	206	204	203	211	213	208	205	206	201	197	195	192	197	205	210	206
7 Q	217	217	215	208	204	204	204	209	208	205	202	202	205	205	209	209	205	200	195	192	198	211	216	219	207
8	221	221	226	221	214	210	207	206	205	206	207	209	210	210	208	208	202	194	193	194	197	206	216	220	209
9	214	211	207	208	207	206	208	208	206	190	192	203	213	213	211	210	209	208	203	198	208	214	216	217	208
10	216	211	209	212	210	209	209	209	208	122	031	188	197	197	197	180	178	172	171	175	198	244	219	234	192
11	238	240	248	239	232	229	224	226	223	215	218	225	223	216	226	219	216	212	199	199	201	199	266	258	225
12 D	305	292	258	020	094	109	242	251	437	407	424	346	241	205	240	259	254	244	243	256	276	314	295	320	264
13 D	294	232	265	104	139	200	218	-026	159	124	257	242	217	210	216	197	231	246	228	238	262	275	272	276	212
14	265	269	274	258	244	177	194	227	119	149	213	220	217	240	244	244	236	235	237	237	241	244	245	247	228
15	248	240	238	237	235	233	229	229	228	231	231	232	233	233	232	230	227	221	214	219	223	232	243	242	232
16 D	244	246	249	254	266	213	-032	100	217	210	109	-025	015	053	260	447	195	227	225	241	256	262	300	326	202
17	299	292	253	109	282	289	260	170	116	124	098	059	068	167	187	197	230	239	240	239	234	241	242	241	203
18	238	233	231	234	234	234	229	227	224	221	189	207	208	215	217	219	222	227	225	229	228	233	244	251	226
19	246	248	251	250	247	230	221	216	214	214	219	222	218	205	182	150	135	168	202	217	214	217	223	229	214
20	228	225	221	220	222	221	219	218	215	217	219	218	218	218	217	206	208	210	215	219	220	223	221	222	218
21	221	219	218	216	215	215	214	214	213	211	194	101	183	191	184	207	204	199	203	209	215	227	249	276	208
22 D	319	345	207	166	155	147	160	190	138	262	294	441	346	188	671	323	583	326	336	418	408	397	297	147	303
23 D	-049	-046	-020	-059	-080	186	228	357	400	351	525	452	397	234	187	202	215	230	241	268	285	294	304	305	225
24	334	293	259	261	270	264	149	-009	113	134	115	188	247	167	164	206	215	227	229	243	250	253	259	269	212
25	276	255	267	266	252	237	231	179	177	177	182	169	148	157	173	201	219	224	231	239	240	247	258	263	220
26	261	252	253	250	245	235	229	206	164	070	119	159	192	185	196	199	211	218	220	227	228	232	237	249	210
27	254	268	277	274	238	219	219	219	217	215	146	188	196	161	130	160	185	200	214	227	238	238	247	246	216
28	234	233	237	225	215	214	213	216	211	176	102	180	204	173	168	177	190	202	213	221	227	226	227	230	205
29	247	253	251	253	244	231	229	218	208	178	155	171	190	201	206	209	210	210	209	209	219	222	219	213	215
30	212	214	210	209	209	215	229	215	221	200	166	158	158	112	122	154	189	195	204	213	227	230	227	217	196
31	206	203	202	203	202	201	201	200	200	200	200	200	200	197	196	186	184	184	185	196	203	208	211	208	199
Mean	238	234	227	205	210	213	207	198	209	201	201	207	207	195	216	215	219	214	216	224	230	238	240	240	217

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 194. Meanook. August, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	00	22	757	17	38	679	78	05	21	67.2	21	31	43.1	24.1	02	13	257	05	33	176	81
2 Q	12	55	747	18	56	680	67	16	03	66.4	21	55	45.1	21.3	00	54	231	07	54	166	65
3 Q	14	12	752	20	19	692	60	16	30	65.3	20	58	43.0	22.3	01	10	224	10	54	205	19
4	15	04	761	19	06	691	70	14	58	69.2	23	26	47.0	22.2	23	35	240	10	33	174	66
5 Q	14	00	755	19	41	686	69	16	14	66.0	21	30	39.6	26.4	00	45	251	10	06	161	90
6 Q	13	03	755	19	32	687	68	16	13	66.1	22	30	43.8	22.3	13	06	216	20	30	190	26
7 Q	14	36	753	19	40	676	77	16	17	63.0	21	14	41.2	21.8	23	00	219	19	30	191	28
8	14	00	755	20	36	677	78	16	59	63.9	21	24	40.1	23.8	02	45	232	19	12	191	41
9	14	05	750	18	20	691	59	15	19	60.3	22	00	42.2	18.1	12	36	217	09	19	168	49
10	11	56	783	09	54	144	639	10	54	91.3	20	39	25.8	65.5	21	30	259	09	55	-136	395
11	22	13	902	23	00	667	235	16	06	73.0	21	45	34.2	38.8	22	27	303	21	39	190	113
12 D	03	43	1493	08	05	-395	1888	09	00	109.9	08	13	-42.9	152.8	08	39	637	05	34	-286	923
13 D	01	42	1089	09	59	331	758	04	33	82.0	07	39	-09.7	92.7	00	46	353	03	17	-224	577
14	00	44	781	08	24	641	140	05	23	80.2	09	14	39.7	40.5	02	17	282	08	28	048	234
15	14	14	744	17	33	681	63	17	03	60.2	20	34	38.5	21.7	23	10	250	18	27	212	38
16 D	23	11	1083	13	44	-508	1591	15	51	204.4	13	08	-89.2	293.6	15	51	613	12	45	-382	995
17	02	22	1135	08	07	378	757	12	18	77.7	03	54	20.5	57.2	04	21	348	03	47	-040	388
18	03	34	731	22	15	677	54	16	01	60.8	10	29	42.0	18.8	22	30	251	10	35	165	86
19	06	34	743	16	22	590	153	14	41	71.1	22	37	39.0	32.1	04	08	252	16	34	117	135
20	14	36	749	17	34	675	74	15	29	61.5	21	16	40.0	21.5	00	00	229	15	26	204	25
21	22	36	792	10	49	626	166	15	16	63.5	22	22	34.5	29.0	23	48	300	11	02	062	238
22 D	23	49	1258	13	41	-542	1800	13	19	232.6	13	03	-00.1	232.7	14	08	938	13	16	-408	1346
23 D	00	04	1078	05	45	-729	1807	11	01	190.0	08	52	-123.1	313.1	12	06	974	04	19	-536	1510
24	00	36	824	07	10	149	675	07	56	68.7	07	37	-11.3	80.0	00	24	356	07	31	-185	541
25	22	00	749	11	57	584	165	12	19	63.6	11	51	37.6	26.0	00	18	286	10	08	140	146
26	23	07	756	09	27	522	234	15	07	59.3	09	14	36.7	22.6	00	10	270	09	10	017	253
27	02	43	780	14	03	632	148	14	21	65.5	02	52	35.5	30.0	03	08	304	10	34	000	304
28	11	42	759	10	14	565	194	14	05	61.4	20	24	36.1	25.3	02	20	242	10	30	084	158
29	11	07	737	18	57	673	64	14	45	58.6	06	26	42.1	16.5	01	18	267	10	53	119	148
30	16	03	740	13	21	654	86	13	46	77.4	18	32	39.6	37.8	06	33	235	13	20	089	146
31	14	46	747	18	39	684	63	14	44	59.3	19	55	38.4	20.9	22	06	215	17	57	183	32
Mean			846			447	399			82.6			23.2	59.4			332			034	298
No. days			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 + September, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	713	715	718	720	723	725	726	733	729	731	734	733	735	735	722	708	702	696	691	690	693	702	710	722	717
2	722	724	729	724	732	733	736	738	741	744	744	742	740	738	735	727	706	688	683	686	697	709	722	732	724
3 D	751	791	1094	1104	937	770	707	710	729	689	655	640	744	744	747	729	709	695	687	697	713	651	699	732	755
4	734	728	753	733	718	712	715	715	716	719	720	710	727	726	717	711	693	685	680	679	689	700	702	713	712
5 Q	709	715	715	717	722	721	723	724	723	722	722	724	726	726	723	711	687	665	651	641	657	687	711	721	706
6	727	707	716	718	725	726	724	726	737	737	736	736	735	732	724	710	689	675	670	669	650	689	716	736	713
7	713	747	735	728	740	731	733	736	727	653	666	727	722	728	748	738	715	690	683	684	698	719	725	728	717
8	732	734	726	727	738	737	738	738	730	720	726	730	749	749	741	718	701	692	702	708	714	723	730	742	727
9 D	733	738	735	744	763	842	693	739	622	643	590	538	591	550	635	710	721	700	692	683	694	692	746	728	688
10	744	759	774	882	820	792	717	605	710	729	732	736	716	617	588	697	700	689	673	689	721	734	736	726	720
11	728	708	715	723	732	752	785	745	735	724	723	716	700	715	730	711	689	679	691	703	717	729	732	734	722
12	713	732	747	722	722	726	731	705	571	726	724	741	731	730	723	706	687	678	661	682	722	726	733	756	712
13	716	718	718	718	720	718	720	723	728	729	728	730	728	738	731	718	698	684	682	684	697	731	735	722	717
14	744	749	746	759	723	722	724	724	726	730	717	687	634	676	695	708	712	712	703	697	696	696	713	728	713
15	736	733	733	736	738	732	732	733	733	734	733	733	733	738	730	721	707	691	685	686	695	709	731	730	723
16	709	707	734	733	732	733	734	736	735	741	742	739	720	706	704	716	703	686	684	686	691	699	720	724	717
17 D	732	731	734	752	792	331	745	780	766	707	639	527	498	502	651	593	397	449	549	742	898	840	733	681	657
18	746	714	697	695	702	707	712	710	704	651	607	697	704	702	695	698	692	675	670	672	681	696	705	713	694
19 D	710	722	710	709	739	758	712	548	324	409	141	278	436	480	564	402	557	672	665	692	712	747	785	788	594
20 D	850	834	900	830	726	729	281	603	489	109	478	528	649	609	607	638	657	670	704	714	718	718	722	720	645
21	713	732	720	742	739	745	721	686	689	679	667	715	713	714	723	722	703	699	687	695	695	716	707	728	710
22	713	726	712	719	719	735	727	722	694	711	661	623	708	729	714	694	673	687	693	697	706	713	721	718	705
23	720	714	719	720	720	721	727	724	715	731	731	729	731	731	728	718	707	703	694	695	703	704	714	709	717
24 Q	716	718	723	729	747	720	718	734	726	706	677	715	719	718	719	714	711	697	691	690	685	689	700	709	711
25	716	721	727	729	730	739	738	730	730	738	718	581	716	748	740	714	685	682	696	701	701	721	726	712	714
26	741	756	869	940	933	806	758	746	723	459	716	724	710	683	691	715	701	673	667	672	702	717	730	718	731
27	708	717	717	724	721	723	723	726	727	728	732	730	731	728	724	718	696	686	693	694	710	711	705	713	716
28 Q	726	705	721	721	724	725	730	733	737	734	734	738	735	731	723	717	711	700	695	690	694	695	714	725	719
29 Q	725	722	730	731	732	734	738	740	741	742	740	742	744	745	744	740	730	717	704	707	710	720	727	730	731
30	730	731	740	741	739	739	739	739	735	738	711	682	706	710	722	722	712	698	678	670	671	701	718	753	718
31																									
Mean	729	732	750	756	748	726	714	715	696	677	678	679	698	696	705	698	685	680	680	690	704	713	722	726	708

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 196. Meanook. (D.) East. 25° + . . . ′ September, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	46.6	45.9	44.9	44.8	45.2	45.4	46.0	46.8	47.7	48.0	49.5	50.6	52.4	54.0	55.0	55.3	52.9	52.1	47.1	42.8	41.7	42.5	43.9	45.3	47.8
2	46.5	46.5	45.8	45.8	46.0	46.5	47.0	47.6	48.3	48.8	50.0	51.9	53.3	56.6	61.0	63.0	60.3	54.8	44.8	42.1	43.3	41.8	37.9	36.5	48.6
3 D	32.3	32.4	25.5	30.8	45.4	45.6	42.7	47.6	46.6	45.4	60.2	57.7	57.8	60.1	64.2	63.9	61.8	62.2	53.1	51.9	46.2	41.8	41.1	41.1	46.1
4	41.3	41.0	39.6	43.4	45.3	47.2	47.4	48.1	48.8	49.9	51.0	49.8	53.2	55.6	58.2	57.8	57.2	54.6	51.1	48.5	45.7	43.7	43.6	43.7	48.6
5 Q	44.8	45.5	46.0	45.9	46.5	46.6	46.6	47.5	48.6	49.1	49.5	50.4	52.1	54.9	56.9	58.8	61.4	59.6	54.2	45.1	38.9	38.4	38.4	39.8	48.6
6	39.5	42.8	45.5	46.6	46.9	46.2	45.9	53.3	50.8	47.9	47.9	48.5	50.5	53.4	56.2	58.3	58.4	54.8	51.2	47.1	41.5	42.3	42.3	42.4	48.3
7	46.6	44.8	44.7	49.6	46.0	44.2	44.9	45.4	44.1	41.1	50.8	53.6	54 6	59.2	61.3	60.3	58.2	54.2	48.3	43.4	41.3	41.2	42.9	45.4	48.6
8	46.8	46.9	46.9	46.4	46.9	46.7	47.1	45.4	46.0	48.3	48.1	49.4	52.8	56.5	58.7	60.8	60.8	54.6	49.9	45.2	43.5	42.2	41.7	42.1	48.9
9 D	41.8	41.0	40.4	40.6	38.3	32.6	29.4	46.1	48.0	56.2	55.5	69.8	75.4	73.1	67.0	64.7	56.1	50.2	46.6	46.3	41.2	42.1	44.3	46.8	49.7
10	46.6	43.0	45.2	43.1	45.6	47.1	41.0	39.2	50.8	52.3	54.7	56.7	59.0	58.5	67.0	60.6	54.3	51.8	47.7	42.5	42.7	43.1	43.9	46.7	49.3
11	43.8	45.5	45.5	43.8	44.5	42.8	47.2	37.0	45.7	48.6	50.3	52.3	54.5	57.9	57.6	56.7	52.3	48.1	45.2	44.0	43.8	46.9	47.7	46.4	47.8
12	47.5	45.7	53.9	49.6	46.4	45.7	47.0	48.3	40.4	51.2	51.9	52.1	52.1	54.5	55.2	56.6	54.7	52.1	50.5	44.9	43.5	43.3	44.4	42.5	48.9
13	46.4	46.8	47.3	47.9	48.1	47.6	47.8	48.0	48.1	48.5	49.1	52.3	54.8	54.5	54.7	55.5	54.1	52.6	49.3	43.3	42.1	46.8	46.4	41.1	48.9
14	45.4	42.3	46.2	42.3	44.9	46.7	46.8	47.8	48.4	50.2	51.5	56.1	59.6	64.5	66.8	64.6	56.5	50.2	48.1	45.4	43.1	42.3	43.6	43.4	49.9
15	44.4	45.6	45.2	45.5	46.1	46.9	47.2	48.1	48.3	49.1	49.0	50.5	51.9	52.8	56.1	56.7	56.6	54.6	50.8	47.0	45.3	43.2	41.6	40.4	48.4
16	43.8	42.3	42.5	44.2	44.9	46.9	47.4	47.8	47.8	48.8	49.8	49.7	48.8	50.5	53.0	57.4	58.9	56.5	51.2	46.2	43.2	42.6	42.8	44.6	48.0
17 D	44.9	45.4	44.7	41.6	39.2	34.3	43.3	45.4	47.9	50.0	54.6	63.6	80.6	80.4	61.1	58.7	66.0	54.0	52.2	63.9	45.2	41.7	37.3	42.5	51.6
18	44.0	47.9	46.6	47.3	47.6	47.1	47.4	48.3	48.9	52.4	49.2	51.9	52.1	53.6	55.2	57.6	56.6	55.4	50.0	47.4	45.2	44.9	45.1	46.9	49.5
19 D	47.3	47.8	47.1	45.4	46.6	53.5	37.8	54.5	50.0	70.5	77.4	78.1	83.4	80.6	68.5	69.4	38.2	40.8	42.1	41.6	43.3	43.0	49.4	46.1	54.3
20 D	42.7	44.2	45.4	49.7	48.3	43.9	50.9	53.4	60.8	45.4	76.6	63.3	54.5	52.1	52.6	48.6	48.8	43.1	46.0	48.2	46.6	46.7	46.4	47.2	50.2
21	47.0	46.5	54.8	54.7	47.7	47.9	44.2	43.8	41.4	54.5	50.1	54.5	51.6	51.7	52.7	55.4	55.0	52.9	51.8	49.3	46.6	46.5	46.6	45.2	49.7
22	47.7	47.3	47.9	46.6	46.8	52.3	42.0	41.6	47.0	56.2	56.0	42.1	51.7	53.3	53.7	54.1	48.1	52.1	46.9	48.0	48.3	47.7	48.0	47.4	48.9
23	46.9	46.5	45.4	45.5	46.1	46.6	47.2	44.4	48.9	50.1	49.0	49.4	50.4	51.3	52.9	54.3	55.4	53.4	52.6	49.3	46.6	45.1	43.5	44.7	48.6
24 Q	44.9	45.0	43.2	41.3	42.9	40.8	50.3	48.5	51.5	58.4	60.2	51.9	51.1	51.6	53.3	52.3	51.7	50.9	48.4	45.6	42.4	42.7	44.7	45.4	48.3
25	45.4	44.8	44.9	44.6	44.3	47.9	41.7	45.3	46.9	49.0	50.9	57.2	56.9	58.9	60.2	62.5	59.3	51.4	42.9	42.4	40.8	40.1	40.4	42.1	48.4
26	37.5	35.5	38.0	33.1	32.6	42.6	41.3	45.6	48.1	41.7	52.1	52.5	53.1	52.6	54.6	53.3	53.7	53.3	51.6	44.2	42.3	41.5	41.4	44.4	45.3
27	44.2	43.5	44.5	43.7	44.4	45.8	46.2	47.3	48.3	49.7	49.2	49.1	49.6	51.0	51.7	52.8	55.5	52.5	45.1	44.3	42.9	41.7	44.4	45.4	47.2
28 Q	42.9	45.4	45.0	45.6	45.7	45.4	45.4	50.5	48.9	48.0	49.1	49.2	49.6	51.7	54.0	56.5	56.7	54.8	51.8	47.3	45.4	44.4	44.9	45.2	48.5
29 Q	44.4	44.2	44.4	45.3	45.4	45.8	46.2	46.4	47.0	47.8	49.1	49.6	50.8	51.8	54.1	56.7	56.5	54.7	52.0	48.3	44.4	42.7	42.1	42.2	48.0
30	43.6	43.9	44.2	44.0	44.4	45.4	45.7	46.1	47.1	48.4	51.9	64.3	61.4	59.7	59.0	56.8	54.3	53.9	55.2	47.8	38.7	36.6	34.3	36.6	48.5
31																									
Mean	44.2	44.2	43.0	44.6	45.0	45.5	45.0	46.8	48.0	50.2	53.1	54.3	56.0	57.2	57.8	58.0	55.7	52.9	49.3	46.4	43.5	43.0	43.2	43.6	48.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 197. Meanook. (Z.) 59,000 γ + September, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	204	203	203	203	201	201	198	199	198	198	199	198	199	199	196	190	187	183	185	190	198	203	205	206	198
2	208	205	203	204	204	203	203	202	202	202	201	201	201	200	197	196	192	186	185	192	199	208	204	208	200
3 D	223	253	158	176	193	150	156	206	208	227	241	207	226	218	214	216	208	211	209	211	220	221	224	227	208
4	226	234	256	239	216	206	207	206	200	197	191	185	207	210	208	209	206	206	207	208	214	219	218	217	212
5 Q	212	206	206	206	205	204	203	202	201	200	199	198	197	196	195	194	194	191	192	195	197	205	219	227	202
6	239	219	205	199	198	203	188	128	162	182	187	191	192	192	190	187	184	187	192	200	207	215	220	232	196
7	225	227	217	217	204	199	203	197	154	033	078	127	146	159	179	191	194	196	198	204	207	213	214	207	183
8	205	207	203	204	208	210	207	207	192	171	176	183	196	194	191	184	183	184	186	188	192	193	196	196	194
9 D	194	201	209	212	224	226	-052	188	191	216	150	077	052	089	163	183	209	213	210	216	236	232	233	214	179
10	213	227	274	282	207	101	114	-005	151	171	198	209	191	120	052	150	169	178	192	196	213	222	223	216	178
11	213	216	210	202	212	233	213	168	216	206	201	196	181	179	190	197	199	194	197	200	200	197	195	205	201
12	190	202	217	191	197	196	196	153	033	182	186	193	192	191	191	189	193	193	194	195	200	206	208	211	187
13	211	200	192	189	186	180	184	184	186	185	184	162	165	186	191	189	190	189	184	193	199	205	209	208	190
14	196	212	237	273	220	196	194	190	188	182	164	112	065	092	104	127	145	162	190	201	209	211	211	213	179
15	213	209	196	192	193	191	190	190	192	190	184	183	183	183	180	186	187	184	182	186	191	204	212	213	192
16	199	196	195	194	190	192	189	188	186	185	182	179	155	139	159	173	182	184	189	191	198	202	205	203	186
17 D	199	200	203	221	139	024	220	215	206	197	038	018	001	008	080	105	052	104	213	312	288	262	277	253	160
18	261	219	208	208	202	203	210	205	201	155	114	175	193	198	198	198	204	202	202	204	208	209	207	204	200
19 D	200	208	207	207	220	218	187	-129	067	246	134	187	216	111	044	092	109	189	203	206	220	262	275	295	174
20 D	301	299	131	070	156	212	061	172	160	139	138	080	131	165	174	157	171	200	244	254	243	233	232	217	181
21	212	214	215	212	205	211	158	114	112	152	119	172	185	189	205	208	200	201	204	207	207	214	213	217	189
22	217	214	207	204	204	178	163	137	099	140	128	088	158	172	166	166	154	180	195	197	205	218	234	223	177
23	211	200	195	193	194	197	194	174	163	182	187	190	194	197	198	195	195	196	200	205	210	212	219	213	196
24 Q	208	209	210	231	238	123	168	209	209	167	132	155	157	172	173	183	188	195	198	201	200	198	198	196	188
25	195	194	195	195	198	167	182	190	169	182	171	065	126	170	177	169	157	155	162	173	191	199	202	199	174
26	213	249	202	024	135	170	140	210	183	145	193	188	184	166	163	181	193	193	195	214	213	209	223	206	183
27	199	200	196	197	197	198	199	198	199	199	198	197	199	202	203	206	207	208	207	204	211	211	211	218	203
28 Q	199	190	188	183	182	182	183	194	195	190	184	182	180	180	181	180	181	181	182	185	181	180	179	178	184
29 Q	179	178	178	178	178	178	180	180	179	179	177	177	177	177	178	178	177	176	174	172	176	179	180	182	178
30	179	178	177	178	180	178	180	180	178	183	107	075	109	122	124	137	157	173	180	185	198	214	221	241	168
31																									
Mean	212	212	203	196	196	184	174	168	173	179	165	158	165	166	169	177	179	186	195	203	208	212	216	215	188

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 198. Meanook. September, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	07	43	740	18	21	684	56	14	53	56.5	20	15	41.4	15.1	22	08	210	17	02	181	29
2	21	47	826	18	55	675	151	15	57	64.1	23	00	32.1	32.0	21	47	238	21	42	178	60
3 D	02	54	1438	11	27	555	883	11	06	74.8	02	54	-84.3	159.1	10	11	305	02	09	-195	500
4	02	50	765	20	12	672	93	15	11	59.5	02	38	38.0	21.5	02	51	272	11	36	177	95
5 Q	22	56	733	19	16	641	92	16	07	62.3	21	56	37.5	24.8	23	42	230	16	52	189	41
6	07	05	759	20	07	583	176	16	02	60.4	00	47	37.6	22.8	23	06	239	07	18	092	147
7	01	28	770	09	36	615	155	14	13	65.5	09	21	37.7	27.8	01	28	238	09	53	000	238
8	23	47	760	17	26	681	79	15	45	62.5	23	46	39.9	22.6	07	30	218	09	45	153	65
9 D	06	20	893	06	34	421	472	06	18	85.3	06	38	-29.3	114.6	22	34	252	06	25	-430	682
10	03	36	924	07	12	523	401	14	34	74.3	07	13	17.1	57.2	03	00	299	05	51	-061	360
11	06	33	837	17	36	656	181	06	44	62.0	07	06	22.9	39.1	05	27	241	07	04	069	172
12	02	49	794	08	08	309	485	02	44	75.1	08	06	21.9	53.2	02	32	278	08	22	-087	365
13	00	00	743	18	59	676	67	16	40	57.0	23	23	39.2	17.8	00	26	217	12	02	144	73
14	03	01	787	11	58	602	185	15	10	69.4	03	55	39.4	30.0	03	41	291	12	00	038	253
15	23	14	745	17	54	684	61	14	27	58.7	23	34	37.4	21.3	23	16	221	14	17	178	43
16	10	12	745	17	36	681	64	15	44	60.9	22	06	41.4	19.5	22	10	214	13	32	136	78
17 D	21	17	948	05	12	137	811	12	47	111.2	05	17	-26.7	137.9	20	17	344	05	04	-561	905
18	00	47	786	10	13	533	253	16	02	60.9	00	16	41.1	19.8	00	34	268	10	17	045	223
19 D	06	58	900	10	18	010	890	11	16	138.1	10	06	20.9	117.2	11	23	505	07	12	-210	715
20 D	02	46	962	06	28	-029	991	06	25	97.3	06	48	-26.2	123.5	09	47	348	06	48	-231	579
21	05	25	753	10	09	549	204	03	03	67.5	08	00	37.2	30.3	05	37	227	07	55	055	172
22	08	12	804	11	27	586	218	05	16	69.9	11	14	33.9	36.0	23	00	247	11	26	060	187
23	09	48	733	18	55	691	42	16	07	56.9	07	56	42.7	14.2	22	55	224	08	08	151	73
24 Q	05	04	776	05	47	645	131	09	59	70.4	05	35	20.2	50.2	03	45	253	05	26	049	204
25	05	35	764	11	21	500	264	15	50	66.3	23	06	35.0	31.3	23	06	216	11	23	042	174
26	04	08	1007	09	19	350	657	17	13	61.3	03	37	11.4	49.9	01	40	279	03	35	-067	346
27	13	20	732	17	45	685	47	16	18	57.5	21	24	40.1	17.4	21	14	219	02	15	191	28
28 Q	08	41	742	19	15	687	55	15	49	58.0	00	26	41.6	16.4	00	15	209	14	38	178	31
29 Q	15	20	748	19	34	702	46	16	32	59.0	22	42	41.3	17.7	15	15	182	18	58	171	11
30	23	18	776	11	00	640	136	11	04	67.3	22	45	32.9	34.4	23	46	261	10	59	-006	267
31																					
Mean			845			545	300			69.7			23.8	45.9			258			21	237
No. days			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 + October, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	737	747	761	749	740	750	729	728	730	733	734	734	737	739	735	724	702	695	682	684	696	706	712	716	725
2	715	724	726	729	727	730	733	734	739	741	742	745	745	741	741	736	728	717	710	705	706	711	721	729	728
3 D	733	734	736	737	727	728	719	713	484	314	518	431	464	411	543	718	728	676	596	656	662	737	793	778	639
4 D	806	911	808	618	891	758	725	735	740	720	670	556	530	684	715	702	684	688	699	687	696	684	693	703	713
5	699	708	714	719	720	728	700	708	667	551	381	564	649	549	684	728	711	696	696	683	707	709	717	722	671
6	732	840	930	1085	1051	560	154	154	357	368	511	504	631	731	748	729	709	693	716	715	678	682	713	718	654
7	725	716	726	732	733	734	734	730	731	718	727	734	735	735	733	670	667	666	681	697	716	715	707	709	716
8	724	733	725	725	719	723	728	736	730	729	727	725	719	718	719	715	718	722	716	715	728	729	728	728	724
9	740	744	764	760	722	722	686	464	654	793	767	746	547	158	507	705	701	700	710	704	701	722	722	713	673
10	720	720	721	722	722	723	725	726	726	727	728	726	723	722	729	725	717	711	710	712	715	725	719	724	722
11	717	725	727	741	733	734	735	738	740	742	734	737	736	724	729	724	713	707	720	725	730	744	742	715	730
12 Q	729	724	727	730	732	734	743	738	734	735	730	729	730	730	728	726	719	708	711	708	719	731	730	732	727
13 D	730	730	775	775	832	901	772	959	876	711	747	719	707	710	698	705	644	587	637	761	599	668	993	943	758
14 D	702	701	760	830	747	737	656	318	203	307	447	173	299	585	707	691	637	699	681	676	677	707	742	726	600
15 D	785	836	673	813	678	485	460	635	686	523	488	582	659	700	684	623	652	651	688	686	681	671	707	700	656
16	752	742	714	715	706	695	471	606	460	504	493	575	637	614	564	574	515	648	640	659	711	707	740	779	634
17	716	717	744	730	719	536	584	708	636	616	370	508	722	734	678	559	609	654	675	680	665	708	726	732	655
18	725	727	733	741	737	705	677	652	718	575	394	476	236	441	486	405	605	657	672	691	698	720	723	727	622
19	731	747	736	814	611	768	754	432	347	299	231	537	662	701	717	700	686	687	703	697	703	705	716	712	642
20 Q	721	722	726	729	731	723	717	676	618	607	579	726	750	743	738	737	728	717	713	714	717	722	723	723	708
21	731	732	735	741	737	745	750	761	738	737	741	740	733	652	677	730	735	714	691	669	699	738	745	725	725
22	721	730	730	729	727	725	729	733	735	733	733	731	731	731	729	726	715	699	698	698	685	688	709	724	720
23	725	728	727	727	730	730	728	725	630	560	593	550	511	532	674	657	651	696	699	715	722	737	725	731	675
24	744	761	743	733	731	729	738	738	739	726	729	730	733	734	733	728	719	710	702	695	713	710	714	716	727
25 Q	729	729	728	728	729	736	738	737	738	738	737	728	714	719	736	731	722	711	701	700	708	719	725	728	725
26	727	729	732	736	736	736	736	742	743	742	747	743	741	738	736	734	723	714	708	708	702	709	714	727	729
27 Q	735	735	734	734	735	735	735	735	735	736	740	743	744	737	736	729	718	703	702	700	702	716	721	721	728
28	734	742	742	742	742	742	748	751	752	747	744	669	647	745	744	735	726	710	703	707	713	720	728	724	727
29	735	745	761	809	749	744	740	732	732	718	712	715	722	725	733	733	722	707	699	698	699	710	717	726	728
30	714	719	732	752	749	733	733	735	737	736	734	726	694	703	711	722	728	724	712	708	707	713	717	712	723
31 Q	725	726	730	729	727	733	729	719	717	704	712	720	723	738	720	737	732	728	733	729	726	723	723	723	725
Mean	731	743	742	753	744	718	687	677	664	642	634	646	655	665	694	695	692	693	694	699	699	712	732	732	698

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 200. Meanook. (D.) East. 25° + . . . ′ October, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	39.4	41.8	41.4	43.5	43.8	43.5	45.3	47.3	47.7	47.9	48.2	48.3	48.3	50.0	52.9	55.0	59.8	59.0	51.6	46.1	42.0	40.5	41.6	42.5	47.0
2	44.4	44.2	45.4	45.9	46.7	46.5	46.6	46.6	47.0	47.3	47.5	48.3	49.4	51.7	53.9	56.7	58.9	58.4	55.0	50.2	45.7	43.4	42.3	42.6	48.5
3 D	43.5	44.4	46.2	46.3	46.6	46.2	47.3	54.2	49.7	82.9	71.7	89.6	88.6	74.8	55.5	57.1	56.0	52.1	44.7	47.3	33.9	41.5	42.5	43.0	54.4
4 D	43.5	52.8	45.4	42.0	35.8	49.7	50.2	51.4	53.5	56.8	57.8	56.5	57.0	54.8	53.0	57.9	57.5	54.1	53.3	50.2	45.7	44.1	45.1	46.1	50.6
5	45.2	46.2	46.6	46.6	48.3	53.2	48.1	47.8	46.6	59.2	63.9	60.0	63.7	53.1	54.5	56.6	57.6	54.8	51.2	49.1	42.5	40.9	43.5	44.5	50.9
6	46.8	46.4	35.8	33.7	28.5	42.0	66.5	55.0	48.5	59.4	71.3	61.7	57.9	51.8	55.8	56.6	56.0	52.6	47.9	48.8	45.1	45.2	48.4	48.1	50.4
7	47.9	47.4	46.4	45.9	45.9	45.5	43.4	46.1	47.1	48.3	50.3	51.5	50.4	52.1	52.6	52.6	45.1	40.3	38.3	47.1	48.0	43.2	44.4	46.4	46.9
8	46.6	44.5	53.9	45.9	44.6	46.1	46.2	42.8	46.0	50.2	50.1	50.1	51.1	51.9	53.2	54.6	54.9	54.0	52.5	46.9	46.8	46.6	44.4	42.7	48.6
9	42.7	35.9	39.4	41.6	45.8	47.3	47.3	61.0	58.4	51.4	51.2	51.3	64.4	57.9	58.9	60.7	57.8	53.1	46.4	43.6	44.6	46.8	50.1	50.3	50.3
10	49.1	47.5	48.1	48.1	47.8	47.5	47.9	48.3	48.4	49.2	49.4	50.0	50.3	52.1	53.9	56.6	57.9	55.7	50.6	47.3	45.6	46.1	48.0	47.8	49.7
11	47.9	46.6	47.3	46.4	44.7	46.5	46.7	48.4	48.9	48.7	50.4	51.6	50.5	52.4	53.9	56.9	59.0	51.6	46.2	44.9	43.5	44.5	44.9	42.3	48.5
12 Q	41.9	44.5	48.4	46.7	46.4	46.7	48.0	47.2	47.0	48.3	49.2	50.0	50.7	51.7	54.0	56.1	55.7	54.3	49.8	46.5	44.4	44.5	46.4	47.4	48.6
13 D	47.3	48.1	52.2	40.4	33.9	10.0	16.4	09.3	37.1	55.8	52.1	54.2	56.9	56.9	60.0	59.0	61.9	61.5	53.6	69.7	85.2	58.1	67.3	51.6	49.9
14 D	43.9	46.4	42.3	65.6	35.8	23.1	24.3	44.0	101.3	98.7	83.8	92.7	72.3	56.0	59.8	61.2	57.7	49.3	48.8	43.9	45.4	47.8	46.6	47.5	55.8
15 D	61.9	61.7	81.9	80.0	42.0	77.1	11.6	46.6	49.4	50.2	42.5	37.9	47.7	56.2	56.1	54.8	53.3	52.0	52.7	46.3	44.2	45.2	45.9	48.0	51.9
16	58.4	53.3	49.2	50.4	53.8	54.1	41.6	60.0	47.9	46.6	59.1	59.6	57.9	55.0	39.7	51.0	41.4	48.3	40.8	39.2	42.5	43.1	44.0	50.2	49.5
17	45.7	47.3	48.7	51.9	49.9	54.0	48.3	50.7	47.4	48.3	41.5	41.1	47.4	54.7	54.8	46.7	37.8	43.3	52.1	40.0	40.8	41.6	44.2	46.6	46.9
18	48.7	47.2	49.0	50.3	50.8	49.1	68.5	48.6	50.0	55.3	56.1	58.9	84.3	59.8	56.6	50.6	44.2	40.9	34.3	40.4	41.0	45.7	45.9	47.8	51.0
19	48.0	46.6	46.9	43.0	56.2	51.8	46.2	42.5	45.4	71.3	94.4	62.1	57.8	51.4	50.3	51.2	48.2	43.9	47.3	47.5	45.1	44.0	47.3	49.4	51.6
20 Q	50.3	49.8	49.5	49.2	48.4	47.8	51.9	58.5	56.0	55.0	52.0	51.9	53.4	53.8	54.5	54.8	54.0	51.6	47.4	45.4	45.0	46.8	48.1	48.1	51.0
21	47.6	47.3	47.7	46.0	47.3	49.6	46.4	44.2	47.3	48.7	50.0	50.7	50.8	46.9	49.7	57.1	56.4	55.5	54.3	40.8	43.2	43.8	47.0	43.1	48.4
22	44.8	47.0	48.1	47.7	47.4	47.9	48.5	47.3	49.2	51.6	50.3	50.2	50.4	50.7	53.4	55.1	54.9	52.9	48.6	46.9	42.6	43.1	43.4	46.0	48.7
23	46.9	47.1	47.2	47.1	47.4	47.3	47.6	49.4	57.7	64.0	68.1	76.8	74.6	60.0	44.8	47.5	48.5	50.2	42.3	43.0	44.0	44.2	44.8	43.4	51.4
24	43.4	44.1	44.4	44.6	46.6	48.3	47.1	49.2	49.8	48.7	49.3	49.3	49.7	50.4	53.1	54.6	55.2	55.8	53.2	48.9	46.2	45.9	47.0	48.3	48.9
25 Q	46.0	45.7	47.1	47.2	49.7	50.6	45.6	46.8	46.7	46.9	49.2	50.6	49.1	53.6	54.2	55.5	56.0	53.4	50.8	46.7	45.7	45.5	45.7	45.9	48.9
26	46.4	46.0	46.6	45.8	46.8	46.9	47.4	47.4	49.7	49.7	49.9	49.5	52.1	52.6	55.1	57.5	56.6	51.6	49.8	48.1	44.3	44.1	45.4	46.6	49.0
27 Q	47.2	47.5	47.3	47.5	47.6	47.6	47.5	47.3	47.2	47.5	47.9	48.4	49.3	51.2	53.8	56.5	57.2	52.1	47.9	46.2	45.6	46.4	47.3	47.1	48.8
28	47.3	47.2	47.3	47.3	47.4	46.9	47.6	48.9	46.4	47.4	50.2	50.9	54.8	54.5	55.5	57.0	56.5	53.0	47.3	46.2	44.9	45.2	44.4	47.3	49.2
29	45.4	43.4	40.4	44.4	48.9	50.4	49.8	46.7	50.7	51.4	49.1	49.7	49.8	50.8	51.7	51.9	53.1	52.7	49.7	45.4	45.4	46.2	46.6	47.2	48.4
30	46.2	46.3	45.4	46.9	47.3	48.4	45.7	48.9	49.8	50.2	50.0	49.9	46.6	50.1	51.2	51.8	52.7	51.8	46.4	46.9	47.1	48.3	47.9	46.8	48.4
31 Q	45.5	47.5	47.7	47.3	48.8	54.1	46.3	50.6	55.1	51.8	53.7	54.2	54.7	52.8	47.6	52.0	51.4	48.4	45.3	46.4	47.2	47.6	48.2	48.6	49.7
Mean	46.8	46.8	47.5	47.6	45.8	47.3	45.5	47.8	50.7	54.4	55.2	55.1	56.2	53.9	53.4	54.9	54.0	51.9	48.4	46.6	45.6	45.2	46.4	46.6	49.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 201. Meanook. (Z.) 59,000 γ + October, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	266	249	240	212	212	223	207	202	201	200	199	197	197	199	198	202	202	202	202	200	204	211	212	211	210
2	208	206	204	201	203	203	201	202	201	201	201	200	200	201	207	207	213	213	213	214	213	208	209	207	206
3 D	203	200	200	201	200	202	195	179	101	135	087	-032	-141	026	086	164	191	209	209	282	311	298	290	261	169
4 D	294	114	-082	-024	013	143	230	224	212	202	180	130	156	204	240	230	221	220	219	226	225	228	224	225	177
5	237	236	236	236	228	190	166	210	190	132	-055	047	095	107	116	174	199	202	215	233	239	215	221	223	179
6	269	329	320	044	-049	-015	-061	038	150	103	058	101	134	175	209	213	217	213	214	221	217	208	212	211	155
7	213	210	209	209	210	216	232	230	223	210	208	205	199	199	200	186	176	173	195	239	298	262	246	222	215
8	244	257	274	248	242	243	248	242	245	255	243	235	231	236	236	228	226	224	220	217	215	221	229	231	237
9	239	258	268	257	232	230	254	-189	061	204	247	235	171	112	103	165	200	219	230	241	238	238	234	236	195
10	233	232	228	227	227	227	228	228	227	227	226	219	223	220	227	224	220	219	218	218	219	220	222	225	224
11	225	225	221	220	220	220	224	221	216	216	201	198	211	208	214	211	206	201	201	207	207	208	207	209	212
12 Q	225	217	212	214	224	228	233	232	226	222	215	212	210	211	211	212	211	209	208	208	209	210	213	214	216
13 D	221	223	228	240	265	086	188	173	206	279	220	204	208	210	210	205	172	133	205	221	110	090	027	201	188
14 D	265	278	285	128	124	104	166	278	198	159	143	346	470	248	240	234	216	271	260	248	260	263	261	256	238
15 D	326	242	-008	-186	011	047	-007	274	258	246	184	174	193	232	227	219	238	242	267	244	253	253	258	258	185
16	279	256	246	246	247	192	088	129	081	026	-009	030	113	130	119	141	196	214	234	242	286	274	291	298	181
17	257	258	273	263	242	063	078	192	175	174	065	-030	138	210	206	176	162	188	246	266	250	250	248	259	192
18	244	243	270	269	268	189	060	089	199	131	021	-086	-027	-043	102	083	111	180	200	219	236	232	244	255	154
19	270	269	272	203	108	172	170	190	330	190	108	072	113	111	159	172	188	185	216	252	276	262	251	240	199
20 Q	238	239	243	237	236	233	215	167	129	094	051	167	215	220	223	223	216	214	215	222	225	233	233	229	205
21	227	226	226	229	236	247	238	249	224	216	227	225	213	131	140	195	213	215	217	215	226	247	258	270	221
22	249	235	224	223	222	221	223	235	235	221	221	221	213	214	220	224	224	221	222	222	227	231	232	226	225
23	214	211	208	208	206	208	209	192	064	-013	-031	-035	004	074	152	144	157	201	205	215	224	230	233	243	155
24	268	258	244	246	239	236	229	225	232	224	222	222	220	218	219	218	218	218	221	220	222	222	220	219	228
25 Q	218	218	217	217	222	213	181	189	212	212	209	196	176	179	210	213	212	211	212	213	215	217	217	216	208
26	215	213	212	212	212	212	212	214	194	209	218	212	208	204	202	207	208	207	206	207	209	209	213	210	209
27 Q	211	210	207	207	207	207	206	205	205	206	205	205	204	203	207	209	207	204	204	204	207	208	206	204	206
28	203	204	205	205	206	208	205	220	227	216	208	132	121	192	209	214	211	207	201	205	207	214	217	213	202
29	228	248	285	337	284	259	247	232	216	206	170	152	185	187	195	207	209	208	207	213	219	224	226	221	224
30	229	232	238	242	235	238	221	226	216	217	216	201	144	128	125	167	193	200	210	214	215	214	219	225	207
31 Q																									
Mean	241	233	220	199	198	188	183	190	195	184	155	152	167	172	187	196	201	207	216	225	229	227	226	231	201

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 202. Meanook. October, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	02	00	765	18	42	677	88	16	38	64.8	00	30	34.8	30.0	00	08	278	10	50	193	85
2	13	24	749	21	36	684	65	16	29	61.0	21	54	40.5	20.5	19	30	214	13	42	196	18
3 D	22	21	844	13	14	192	652	12	17	130.2	13	21	23.5	106.7	13	44	490	12	17	-249	739
4 D	01	32	1073	12	15	458	615	01	37	77.3	04	16	03.2	74.1	00	00	324	01	58	-247	571
5	05	12	772	10	01	159	613	10	26	99.2	21	02	39.3	59.9	20	12	257	10	36	-107	364
6	03	24	1151	10	17	097	1054	05	30	143.0	06	23	-15.9	158.9	02	28	356	05	16	-361	717
7	13	10	742	15	50	650	92	15	15	55.3	18	21	36.0	19.3	20	30	302	17	12	163	139
8	08	21	748	19	06	706	42	02	33	63.4	07	26	35.7	27.7	02	21	295	07	24	194	101
9	08	48	841	13	11	048	793	07	18	115.1	07	56	-19.3	134.4	07	00	304	07	31	-531	835
10	21	33	736	19	00	703	33	16	30	61.6	20	43	44.6	17.0	00	40	237	13	27	213	24
11	22	05	762	17	21	702	60	16	01	60.2	23	12	39.6	20.6	00	02	229	10	59	181	48
12 Q	07	48	748	19	18	703	45	15	52	57.2	01	03	40.4	16.8	06	26	241	19	50	207	34
13 D	23	02	1330	18	04	535	795	20	33	103.4	05	40	-33.7	137.1	08	57	370	05	36	-098	468
14 D	03	48	995	09	04	-134	1129	08	28	261.8	06	00	-52.6	314.4	11	27	742	08	40	-420	1162
15 D	01	44	1039	06	05	047	992	05	49	227.0	06	18	-41.3	268.3	06	26	422	06	07	-569	991
16	23	23	829	06	22	269	560	15	37	72.1	06	17	-00.9	73.0	23	19	318	06	08	-199	517
17	02	33	778	06	02	070	708	05	32	97.6	06	00	-40.5	138.1	15	56	314	05	54	-283	597
18	02	28	767	12	30	089	678	13	52	154.8	13	04	-06.9	161.7	13	03	433	11	59	-205	638
19	06	36	956	10	18	061	895	10	25	125.1	10	11	-38.8	163.9	09	04	469	10	00	-191	660
20 Q	12	07	754	10	32	528	226	07	43	61.3	20	16	44.2	17.1	02	15	247	10	33	002	245
21	06	44	774	13	45	586	188	16	30	59.3	08	43	36.8	22.5	23	43	279	14	00	088	191
22	07	42	753	21	22	674	79	15	48	57.4	20	13	40.9	16.5	00	00	275	09	40	210	65
23	23	41	749	12	20	350	399	12	16	101.7	14	26	36.3	65.4	23	32	252	12	14	-096	348
24	01	33	769	19	44	692	77	17	22	57.4	01	46	41.1	16.3	00	40	284	07	58	197	87
25 Q	05	56	752	19	03	698	54	16	11	57.0	07	03	42.2	14.8	04	47	233	06	41	156	77
26	08	17	769	20	08	694	75	16	30	58.9	21	14	42.9	16.0	08	17	222	08	44	166	56
27 Q	11	22	748	18	36	693	55	15	32	61.3	21	45	44.6	16.7	21	48	213	13	20	200	13
28	06	23	770	11	58	539	231	16	00	59.8	07	05	39.4	20.4	07	40	252	11	46	010	242
29	03	05	824	18	35	685	139	17	36	56.6	03	15	36.4	20.2	03	23	356	11	02	103	253
30	04	36	779	12	26	687	92	16	08	54.8	04	57	37.6	17.2	05	13	273	14	41	102	171
31 Q	15	50	743	09	30	697	46	08	06	62.4	18	21	43.4	19.0	21	08	221	17	01	198	23
Mean			832			459	373			86.4			18.5	67.9			313			-025	338
No. days			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 + November, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	726	726	725	726	726	725	723	701	703	743	726	586	698	736	741	737	734	718	707	700	715	717	717	720	716
2	728	727	724	722	716	687	723	716	717	713	724	734	737	734	726	728	728	716	715	715	717	723	726	733	722
3	732	735	734	733	734	733	735	736	728	713	734	698	652	741	745	735	726	716	714	714	718	728	726	726	724
4	741	741	742	743	744	746	752	757	754	750	735	743	743	743	743	738	737	732	718	719	720	724	728	733	739
5	735	744	744	745	750	748	744	744	737	697	654	736	751	746	744	735	728	728	727	728	728	726	726	728	732
6	734	735	739	736	740	743	742	741	740	740	740	736	739	743	743	739	731	717	715	721	722	707	726	718	733
7	733	739	741	745	748	742	744	746	733	738	737	736	741	740	739	733	703	714	721	720	725	731	726	721	733
8 Q	728	732	736	735	740	739	744	743	745	740	747	746	742	743	757	750	740	729	727	727	726	726	729	729	738
9	735	740	742	737	735	740	738	742	732	726	744	742	739	738	735	733	731	730	719	718	720	723	726	728	733
10 Q	735	740	739	744	738	736	740	740	739	735	744	744	746	746	749	746	735	716	708	713	717	723	725	726	734
11	732	735	736	735	738	740	741	740	738	732	739	745	746	750	754	750	738	723	713	717	721	722	731	728	735
12 D	739	739	745	745	742	742	740	740	744	746	696	443	686	756	748	741	727	719	713	713	720	723	737	742	720
13 D	731	730	771	861	809	709	522	204	385	476	204	121	337	359	483	746	689	661	679	711	724	730	735	745	588
14 D	735	746	737	744	794	713	735	716	696	707	601	690	723	725	699	670	686	677	670	678	688	698	717	765	709
15	761	742	745	735	735	734	717	682	677	719	730	729	721	691	725	732	729	717	710	700	707	714	718	726	721
16	733	738	738	737	736	736	735	735	738	736	735	729	731	738	742	741	729	710	699	702	707	714	719	726	728
17	734	732	736	736	736	733	736	727	731	728	733	726	741	743	747	741	733	717	711	704	711	717	725	729	730
18 Q	735	742	747	747	744	740	740	733	667	717	751	746	744	742	740	735	731	719	713	715	717	726	733	740	732
19	738	741	743	743	743	742	743	743	743	741	743	745	746	746	732	725	737	699	676	699	709	722	731	732	732
20	735	735	745	754	758	756	744	735	730	723	735	734	734	735	733	727	717	711	710	705	707	715	723	730	730
21	734	741	739	735	734	735	727	719	717	733	732	725	723	735	735	734	729	717	712	709	711	715	721	730	727
22 Q	736	739	739	740	741	739	738	738	737	738	739	740	740	741	738	736	735	727	721	719	719	720	725	733	734
23 Q	743	743	743	742	744	739	738	736	739	744	745	743	745	744	745	746	744	737	732	725	723	724	730	736	739
24	742	749	750	753	750	745	743	744	746	746	746	748	750	746	746	746	741	734	725	711	704	716	708	721	738
25 D	745	755	774	752	810	799	680	720	679	613	589	560	638	714	750	740	738	727	722	722	709	670	736	745	712
26 D	733	751	740	726	733	748	746	656	615	354	651	669	730	726	715	727	717	714	711	709	700	704	728	719	697
27	730	731	729	729	722	742	737	710	709	678	709	657	717	740	736	735	729	717	694	696	713	719	719	722	718
28	730	733	735	733	726	728	735	731	730	722	663	680	726	718	713	730	736	726	719	709	706	713	723	729	721
29	737	739	733	733	733	737	742	738	722	638	692	693	705	723	728	738	735	724	719	717	716	717	721	733	721
30	736	737	735	728	733	734	733	712	716	714	720	709	733	734	737	745	739	734	724	716	721	723	726	729	728
31																									
Mean	736	739	741	742	744	738	729	711	710	700	698	684	714	724	729	735	728	718	712	712	715	718	725	731	722

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 204. Meanook. (D.) East. 25° + . . . ′ November, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	47.9	48.8	48.9	47.6	47.9	46.7	48.9	56.4	51.8	52.8	51.9	54.4	57.2	52.5	51.8	51.8	51.8	49.0	46.3	43.2	45.8	48.0	48.9	48.9	50.0
2	48.6	48.0	48.2	47.7	48.9	41.8	54.2	51.0	52.9	51.6	47.9	50.2	50.2	50.5	49.2	51.6	54.1	52.8	50.1	46.8	47.3	48.1	48.4	48.6	49.5
3	48.2	48.5	47.9	47.5	47.7	49.9	50.5	47.9	46.0	46.3	48.9	46.6	41.1	49.2	52.1	54.0	53.1	52.1	48.0	44.3	44.0	44.1	43.4	42.7	47.7
4	44.1	44.4	45.6	48.0	48.4	48.0	50.5	51.0	50.2	48.0	50.5	50.5	49.9	50.8	51.4	53.6	52.8	52.5	49.0	47.6	47.2	47.0	46.6	46.3	48.9
5	46.3	46.0	47.7	47.9	48.2	47.9	47.3	47.7	49.8	49.9	59.7	47.1	51.4	52.6	53.7	54.4	52.9	53.4	49.3	45.5	44.4	45.2	45.9	47.1	49.2
6	47.3	46.6	46.6	46.7	46.7	47.0	47.6	47.9	48.9	49.3	49.7	49.9	51.5	52.9	53.1	53.7	55.7	51.6	48.0	44.4	45.4	46.6	45.1	45.0	48.6
7	44.5	45.0	46.3	48.5	48.0	47.5	47.9	47.6	46.8	48.4	49.2	51.0	49.4	50.5	51.4	52.9	45.3	38.9	44.6	44.7	46.7	45.8	47.6	48.5	47.4
8 Q	47.9	48.9	48.2	47.9	47.7	47.6	47.6	47.6	48.4	48.8	50.7	51.9	52.5	50.1	52.4	53.8	54.4	52.8	49.7	47.5	46.0	47.5	47.0	47.0	49.3
9	46.6	46.8	47.0	48.8	49.2	45.3	47.6	47.1	45.6	42.4	48.2	48.9	49.2	49.7	51.5	54.4	56.8	51.2	49.7	47.5	48.1	46.4	45.6	46.4	48.3
10 Q	46.0	46.3	46.6	45.9	46.0	47.2	47.0	47.3	47.9	47.7	49.2	49.4	50.2	50.5	51.8	54.0	55.4	52.8	49.2	46.0	44.0	45.0	45.0	46.2	48.2
11	46.3	47.6	48.1	48.5	48.0	48.1	47.7	47.9	48.1	47.9	49.2	49.9	53.3	53.4	53.8	54.1	55.8	55.3	50.8	48.5	46.0	46.0	44.6	44.7	49.3
12 D	42.0	42.4	49.0	48.8	48.1	47.7	47.7	47.7	47.9	48.6	49.6	45.8	58.6	55.1	61.0	55.9	53.1	49.6	48.6	45.4	45.4	45.0	44.4	42.1	48.7
13 D	41.8	44.2	47.1	49.9	56.4	52.7	50.5	89.8	37.8	58.0	70.5	169.8	85.8	76.2	53.3	52.8	49.9	46.6	39.9	43.7	47.2	44.4	45.8	47.6	58.4
14 D	48.1	60.0	54.5	55.4	51.2	67.0	48.2	47.3	42.1	47.2	40.8	44.7	50.8	50.1	49.6	49.9	48.0	45.4	40.8	40.8	42.3	42.8	42.4	41.1	47.9
15	44.1	45.9	47.7	52.0	51.6	51.3	49.9	51.2	53.4	47.6	48.1	49.8	51.4	48.2	50.5	55.0	56.4	54.0	52.7	50.3	49.6	47.3	47.2	47.7	50.1
16	48.2	48.9	49.2	49.8	49.0	49.4	48.9	48.5	50.7	49.7	47.5	50.1	50.6	50.2	52.0	55.0	55.8	54.0	48.0	44.7	43.6	45.0	46.3	47.1	49.3
17	47.3	48.3	48.9	49.7	49.9	48.4	48.9	48.9	49.3	49.4	51.2	50.2	51.8	50.3	53.7	55.5	55.9	56.6	53.1	49.9	47.0	45.6	46.0	47.1	50.1
18 Q	48.8	48.9	48.8	49.0	48.9	48.3	48.9	48.9	48.0	53.1	52.5	51.5	51.8	52.2	52.5	54.0	55.4	55.1	52.0	49.9	48.0	47.5	47.3	47.0	50.3
19	47.3	47.6	47.7	48.0	48.5	48.6	48.2	48.0	48.0	48.8	48.6	49.3	50.5	50.2	48.9	46.0	56.7	52.5	45.1	40.3	43.7	46.4	47.6	47.6	48.1
20	48.1	49.2	45.1	49.9	48.9	46.7	47.2	48.1	48.1	48.1	49.4	49.7	51.1	51.1	51.5	53.8	54.8	53.1	51.8	48.2	46.0	45.8	46.3	46.4	49.1
21	47.3	47.7	47.7	48.4	48.0	49.6	50.2	41.9	50.2	49.3	48.6	51.7	50.2	51.7	51.5	52.5	52.9	52.7	50.8	49.0	48.9	48.2	47.3	47.9	49.3
22 Q	48.1	48.2	48.5	48.6	48.9	48.9	48.8	48.8	48.6	48.9	49.2	49.3	49.7	49.9	50.5	51.8	52.7	51.8	50.5	48.2	47.6	47.2	46.7	46.0	49.1
23 Q	46.2	47.7	48.6	48.8	48.2	48.0	48.4	48.6	49.8	49.4	49.2	49.8	49.9	50.1	50.5	51.6	52.9	53.1	51.9	50.5	49.4	48.0	47.3	46.6	49.4
24	47.2	47.5	48.5	48.2	47.3	48.0	47.9	48.0	48.8	49.0	50.3	51.8	52.3	52.4	54.0	53.4	55.5	54.4	54.1	50.5	46.6	46.0	44.0	42.1	49.5
25 D	40.6	39.1	48.4	49.0	46.2	53.8	61.1	57 5	57.0	74.9	68.1	76.1	73.3	67.5	59.6	54.5	54.4	50.8	50.7	49.9	49.0	48.4	42.7	45.5	54.9
26 D	49.4	48.2	51.1	51.9	60.3	60.9	53.4	52.9	52.2	42.7	53.7	47.9	51.2	52.8	50.2	50.3	49.4	50.1	49.3	48.4	48.6	48.5	47.9	48.2	50.8
27	48.1	50.1	50.2	49.9	60.3	49.9	51.2	50.5	48.6	47.6	50.3	40.8	49.2	52.4	52.9	53.4	54.8	55.1	46.6	46.7	47.3	47.6	47.3	48.5	50.0
28	49.0	49.4	49.2	49.6	49.7	55.7	49.3	48.9	51.2	50.2	47.6	48.1	54.4	51.6	48.9	50.5	52.2	49.8	48.0	46.2	44.4	45.6	46.6	47.5	49.3
29	47.6	48.8	48.9	49.4	49.3	49.2	49.2	48.9	49.6	40.8	54.4	52.9	57.4	54.2	55.5	52.5	52.5	51.4	50.6	47.9	47.3	46.9	46.8	48.1	50.0
30	48.2	49.2	49.2	51.2	48.9	49.2	50.1	53.8	51.8	49.9	47.7	45.8	50.3	51.2	52.5	52.0	53.2	52.8	49.4	45.4	43.7	43.7	45.0	46.7	49.2
31																									
Mean	46.7	47.6	48.3	49.1	49.5	49.7	49.5	50.6	49.0	49.5	51.1	54.2	53.2	52.7	52.4	53.0	53.5	51.7	49.0	46.7	46.4	46.3	46.1	46.4	49.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 205. Meanook. (Z.) 59,000 γ + November, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	213	214	225	226	226	218	206	161	177	205	186	055	106	181	193	205	208	206	209	209	209	213	213	210	195
2	211	213	213	214	214	207	223	214	204	180	198	203	212	208	206	203	209	207	208	210	215	216	216	215	209
3	215	216	217	215	222	225	225	221	199	162	177	162	115	167	186	196	196	194	197	201	210	212	214	215	198
4	219	223	227	219	218	218	232	194	232	220	202	209	212	211	210	211	212	208	201	210	212	216	216	215	214
5	215	214	213	214	214	213	214	210	201	100	075	177	203	205	206	205	203	206	212	214	216	216	216	216	199
6	218	218	217	216	215	215	219	227	214	212	209	190	191	193	203	206	204	196	194	197	213	209	218	225	209
7	241	233	228	224	217	212	212	212	214	213	211	205	205	204	206	203	190	185	193	203	207	214	213	211	211
8 Q	214	208	205	204	203	205	207	205	205	198	188	203	200	198	207	207	207	207	206	206	208	207	205	204	204
9	206	205	205	209	221	221	217	209	196	180	203	202	200	199	199	198	196	195	196	197	201	204	207	206	203
10 Q	209	209	210	214	217	211	206	203	200	196	201	199	198	198	200	203	202	202	200	199	202	205	208	209	204
11	212	212	211	210	208	207	203	202	200	183	181	189	194	196	198	198	198	196	195	196	200	205	209	212	201
12 D	229	245	231	216	205	204	205	206	205	203	169	001	093	165	173	197	195	188	192	200	204	209	210	215	190
13 D	225	267	280	172	222	196	127	086	322	279	336	324	221	049	116	206	176	189	214	227	251	258	234	242	217
14 D	250	277	244	268	277	172	194	207	185	202	142	186	202	210	202	171	199	196	199	210	227	235	263	289	217
15	286	283	285	261	245	246	224	169	168	192	220	221	213	188	202	220	230	227	225	225	229	231	233	231	227
16	229	234	232	226	224	223	223	223	200	210	212	214	216	217	218	219	219	218	220	220	220	219	223	227	220
17	226	226	223	222	223	229	216	216	215	211	207	202	208	211	215	215	214	210	211	213	216	216	215	215	216
18 Q	219	219	217	214	214	214	216	209	136	166	207	215	215	213	216	216	216	214	214	212	214	213	214	213	209
19	209	208	207	207	206	206	205	205	204	201	203	204	203	197	191	180	182	177	182	196	199	208	212	217	200
20	229	241	253	254	243	243	241	225	217	207	225	225	221	216	214	216	216	217	221	219	224	224	219	220	226
21	220	220	220	220	222	220	215	176	197	218	216	206	195	206	218	218	219	219	219	222	221	221	219	218	214
22 Q	215	214	212	211	210	209	209	209	209	209	209	209	209	209	209	210	210	210	210	210	210	210	210	211	210
23 Q	211	209	209	209	209	208	205	196	187	198	204	203	200	199	199	200	201	201	200	201	204	206	205	206	203
24	206	205	203	203	207	207	205	203	203	203	202	197	195	189	195	202	202	199	197	197	200	205	212	225	203
25 D	239	265	284	272	248	171	183	226	169	121	071	018	054	107	152	160	180	191	194	205	215	214	268	287	187
26 D	242	270	248	229	219	143	193	156	066	-010	150	176	194	197	202	211	195	200	208	214	222	231	227	225	192
27	224	224	222	227	243	227	215	183	185	129	162	152	192	206	209	208	207	206	210	208	211	214	215	218	204
28	217	216	215	216	218	215	190	203	197	185	128	140	185	192	185	197	204	205	209	216	214	214	217	218	200
29	220	219	219	221	224	224	218	210	195	065	119	148	144	144	153	177	190	200	207	213	215	216	218	218	191
30	217	216	216	221	222	219	211	189	189	165	177	158	185	189	188	199	199	200	199	202	207	209	215	215	200
31																									
Mean	223	227	226	221	222	211	209	198	196	180	186	180	186	189	196	202	203	202	205	208	213	216	219	222	206

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 206. Meanook. November, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	13	55	746	11	20	486	260	11	54	64.4	18	51	40.3	24.1	04	16	233	11	30	-034	267
2	05	36	753	05	06	555	198	06	14	57.6	05	11	20.6	37.0	05	38	239	05	07	100	139
3	13	42	753	12	11	562	191	16	12	55.1	12	01	28.8	26.3	05	38	236	12	10	050	186
4	07	08	766	18	10	717	49	07	00	58.9	00	41	42.7	16.2	08	20	245	07	24	161	84
5	11	50	754	10	22	584	170	10	18	68.9	11	17	44.1	24.8	19	29	216	10	13	010	206
6	20	24	752	20	51	693	59	16	39	58.4	22	19	40.8	17.6	23	08	235	11	27	173	62
7	07	01	762	16	25	696	66	07	06	55.8	17	13	37.3	18.5	00	11	241	16	10	183	58
8 Q	14	26	754	20	00	715	39	14	39	55.7	09	44	44.5	11.2	00	34	215	10	01	169	46
9	10	00	746	09	27	715	31	16	16	57.5	09	22	38.5	19.0	04	36	229	09	30	161	68
10 Q	14	36	751	18	25	707	44	16	43	56.0	20	49	43.4	12.6	04	33	223	09	42	192	31
11	14	00	758	18	50	709	49	16	50	57.6	22	35	42.5	15.1	03	11	218	09	30	174	44
12 D	14	55	762	11	10	301	461	14	19	72.0	11	15	33.8	38.2	01	10	254	11	07	-037	291
13 D	03	28	926	11	00	-054	980	11	35	193.6	06	50	06.5	187.1	11	38	583	07	10	-128	711
14 D	04	22	808	10	27	531	277	05	28	83.0	10	29	34.6	48.4	01	18	323	10	21	115	208
15	00	50	771	07	59	602	169	08	10	59.0	00	50	42.4	16.6	02	24	298	08	00	109	189
16	08	27	755	18	48	694	61	16	27	56.6	20	27	43.4	13.2	02	13	243	08	43	181	62
17	06	37	763	19	26	700	63	16	06	60.1	07	48	44.2	15.9	06	15	237	12	09	192	45
18 Q	10	00	758	08	34	624	134	17	01	57.9	08	33	45.3	12.6	00	20	222	08	38	099	123
19	16	25	756	18	08	661	95	17	19	61.1	19	14	36.4	24.7	23	48	230	15	47	170	60
20	05	22	781	19	30	702	79	16	17	56.7	05	24	38.4	18.3	05	31	272	09	16	197	75
21	07	16	759	19	14	708	51	13	14	55.9	07	24	33.6	22.3	06	10	231	07	32	143	88
22 Q	04	34	744	19	00	717	27	16	54	53.8	22	50	45.0	8.8	00	00	217	14	30	209	8
23 Q	10	11	748	19	08	723	25	17	12	54.1	00	22	45.4	8.7	00	00	211	08	20	178	23
24	14	02	762	20	29	703	59	14	01	61.2	23	34	40.7	20.5	23	43	233	13	58	178	55
25 D	05	33	926	11	08	529	397	11	49	85.2	05	06	29.7	55.5	22	52	323	11	47	-016	339
26 D	05	46	823	09	28	133	690	04	53	80.6	09	16	12.5	68.1	01	49	289	09	33	-084	373
27	13	15	751	11	29	634	117	04	26	68.9	11	24	33.2	35.7	04	58	251	11	39	106	145
28	05	45	767	10	47	587	180	05	46	67.6	10	47	37.7	29.9	05	43	236	10	53	062	174
29	16	30	748	09	17	575	173	10	51	60.5	09	13	35.9	24.6	05	03	229	09	17	022	207
30	15	00	751	09	06	687	64	07	39	58.4	11	17	40.4	18.0	04	30	228	11	20	129	99
31																					
Mean			772			597	175			66.4			36.8	29.6			255			106	149
No. days			30			30	30			30			30	30			30			30	30

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 207. Meanook. (H.) · 12,000 γ + December, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	736	734	733	737	741	745	771	748	741	731	695	688	744	749	745	741	738	732	725	720	713	722	732	735	733
2	738	740	740	741	740	742	740	738	736	735	733	738	740	738	738	737	726	721	718	714	706	709	719	733	732
3	738	741	741	740	739	741	743	756	744	740	731	743	743	741	740	738	734	732	726	727	729	729	715	738	737
4	741	751	751	744	745	750	752	736	737	736	735	736	738	737	737	736	735	731	726	723	724	727	731	735	737
5	744	745	744	743	742	741	741	736	735	741	742	738	722	703	721	723	675	662	692	676	689	723	738	715	722
6 D	731	751	742	739	736	736	738	736	734	733	734	735	735	738	740	739	733	726	720	718	682	655	742	720	729
7 D	754	825	890	778	872	804	567	308	324	506	642	634	599	650	427	580	612	626	642	678	714	731	716	743	651
8 D	749	746	754	816	800	732	627	530	245	575	608	490	584	696	712	683	645	636	703	695	707	724	733	731	663
9	722	756	742	734	728	721	715	618	547	670	673	574	632	563	705	736	720	696	706	722	725	723	724	732	691
10	732	734	734	732	731	734	740	726	693	718	679	711	708	692	725	731	734	732	721	721	713	711	720	731	721
11	738	734	734	740	734	736	731	721	702	718	705	704	708	723	729	736	734	722	720	719	722	720	723	731	724
12	734	736	729	739	737	734	729	729	733	723	717	730	739	740	740	725	728	713	710	715	720	728	710	725	728
13	729	733	740	736	726	745	739	731	730	722	722	731	732	728	704	716	735	730	727	723	724	727	729	735	729
14 Q	738	736	738	740	739	737	736	737	731	724	718	723	743	749	750	748	742	735	729	725	726	729	734	739	735
15	738	739	745	752	793	754	740	729	743	740	738	735	740	735	729	716	702	734	728	719	719	722	729	739	736
16	740	745	745	747	745	748	743	744	742	740	738	742	745	747	744	748	739	729	729	732	737	729	738	737	740
17	742	739	743	740	739	737	733	717	722	724	740	737	731	730	735	736	739	734	724	722	722	727	729	735	732
18 Q	746	746	740	747	750	750	746	740	738	736	733	736	739	742	738	738	737	735	734	732	730	730	732	735	739
19 Q	743	743	743	742	739	745	743	741	739	737	740	741	742	741	741	740	735	728	727	727	728	728	730	735	737
20 Q	746	751	752	751	750	748	747	746	745	744	745	746	750	750	750	748	744	737	737	737	737	744	750	753	746
21 D	750	750	758	757	760	809	690	818	757	663	456	728	715	649	654	724	744	739	736	727	715	119	731	737	720
22 D	733	750	741	744	784	796	768	686	652	663	538	679	667	417	607	666	691	723	725	730	714	715	725	731	694
23	735	742	740	738	735	747	741	715	629	569	586	708	743	744	740	738	730	731	736	737	738	735	719	723	717
24	731	733	743	736	738	734	746	747	729	608	676	720	728	711	702	731	729	720	720	717	710	709	728	726	720
25	730	732	719	736	746	739	729	728	711	708	714	730	733	729	709	735	736	730	729	732	728	721	720	723	727
26	732	734	733	729	721	724	732	729	721	717	716	727	736	739	738	738	731	729	728	728	728	730	734	737	730
27	752	751	752	755	761	751	745	746	752	652	753	746	736	746	740	730	727	745	736	712	719	729	738	743	738
28	748	748	748	749	746	745	742	746	739	729	718	718	699	729	734	741	729	719	705	729	731	728	737	743	733
29	744	765	751	750	763	755	754	746	739	732	723	721	735	716	734	723	716	729	719	709	702	723	732	737	734
30	737	737	752	751	749	742	739	740	740	738	737	726	709	727	740	738	726	719	734	730	727	728	732	742	735
31 Q	740	745	745	736	747	744	740	742	735	738	737	736	736	739	735	728	724	723	726	727	730	733	738	740	736
Mean	739	746	747	746	751	747	731	713	692	700	698	711	718	711	716	725	722	719	721	720	720	723	729	734	724

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 208. Meanook. (D.) East. 25° + . . . ′ December, 1939.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	48.2	49.2	49.6	50.3	50.5	47.9	56.8	46.7	48.8	50.5	46.4	49.0	51.9	52.8	51.5	52.4	51.5	52.0	51.8	48.0	44.4	43.6	46.7	43.7	49.3
2	46.6	47.1	47.6	48.2	48.6	48.9	48.5	48.1	48.1	48.4	48.6	49.0	49.7	49.9	50.2	50.3	50.5	50.6	48.6	48.5	44.7	42.5	45.3	46.6	48.1
3	47.5	48.1	49.4	49.4	49.4	50.2	51.5	49.4	50.8	53.5	49.4	50.7	50.6	51.2	51.5	52.5	54.4	53.1	51.5	48.4	47.0	45.9	46.0	44.2	49.8
4	46.2	42.4	41.5	48.2	50.2	50.5	49.7	50.2	48.9	48.8	49.3	49.7	49.3	50.1	50.2	51.1	52.3	52.7	51.5	49.7	48.5	47.0	48.0	45.1	48.8
5	47.3	47.1	48.1	48.9	49.8	49.9	49.6	48.6	50.2	49.4	49.4	51.4	51.2	54.1	61.9	59.7	48.9	42.1	43.0	42.5	40.7	45.0	43.4	42.5	48.5
6 D	42.4	43.0	47.9	48.6	50.3	50.2	49.7	49.4	49.6	51.2	49.6	51.5	51.5	51.8	52.4	52.9	53.2	53.4	51.2	48.2	52.3	47.3	41.4	39.8	49.1
7 D	46.3	39.2	52.5	67.5	54.4	53.8	49.7	21.6	59.0	13.2	67.0	59.7	52.0	50.6	55.5	38.2	36.4	38.0	40.2	38.2	43.0	46.6	48.8	48.9	46.7
8 D	51.2	51.4	50.3	57.1	60.6	55.3	58.3	47.0	32.0	68.7	63.5	71.4	68.4	57.9	55.7	49.6	39.9	31.7	40.2	43.2	42.1	44.0	47.7	49.2	51.5
9	55.3	49.9	50.1	52.0	52.4	51.5	51.8	41.5	46.0	56.3	57.1	47.2	52.4	44.0	51.4	46.7	48.9	42.4	43.4	43.4	45.3	47.2	48.6	50.1	49.0
10	50.5	50.2	49.9	50.1	51.2	56.7	51.9	49.2	45.8	50.5	51.5	54.1	55.5	46.8	47.9	51.1	48.4	50.7	49.6	48.6	48.4	48.8	50.5	50.3	50.3
11	49.3	49.7	52.4	53.1	53.3	50.5	49.7	50.6	47.9	52.0	57.0	48.2	50.6	51.2	50.2	51.9	52.2	51.5	51.5	50.6	49.9	49.9	50.6	49.8	51.0
12	49.9	49.7	54.8	52.5	50.8	51.1	49.9	52.4	49.2	48.0	50.5	50.7	52.9	51.4	52.0	49.6	50.7	44.4	43.7	44.5	45.6	47.9	46.4	45.8	49.4
13	47.7	49.4	51.1	51.2	60.2	55.1	51.6	48.6	47.5	44.5	47.9	49.8	52.0	52.3	47.5	50.7	53.6	50.8	48.2	48.0	47.9	47.7	47.5	47.6	49.9
14 Q	48.4	50.1	49.4	49.4	49.6	49.4	52.4	50.8	50.5	46.4	48.9	51.5	51.1	50.8	52.2	53.1	54.2	53.1	50.8	49.4	47.9	46.6	46.3	46.3	49.9
15	47.3	46.7	47.9	46.6	55.1	51.9	49.9	49.0	50.8	47.9	48.0	50.5	51.8	51.9	55.5	55.9	49.3	48.1	46.0	47.6	47.9	46.7	45.9	48.2	49.4
16	48.8	48.5	48.2	49.2	51.2	47.7	47.9	48.1	47.6	48.2	49.2	50.3	49.4	50.2	50.7	51.8	53.1	51.1	48.6	46.4	46.4	47.1	44.1	42.1	48.6
17	43.2	48.1	49.3	51.6	51.2	49.4	48.9	49.3	47.6	52.0	50.2	49.8	51.6	51.6	51.9	52.2	51.6	50.6	49.9	48.2	47.5	46.8	46.3	47.6	49.4
18 Q	46.3	46.3	46.6	47.7	47.6	48.2	48.1	48.5	48.0	49.2	49.6	50.2	49.0	49.6	49.9	50.6	50.7	50.8	50.7	49.7	48.9	47.3	47.5	47.7	48.7
19 Q	46.8	47.0	47.7	47.6	49.2	46.6	46.6	47.6	47.7	47.9	48.1	48.9	49.2	49.4	49.8	50.6	51.8	51.5	50.1	49.3	47.9	47.3	47.6	47.6	48.5
20 Q	47.1	47.1	47.6	48.2	48.6	48.6	48.4	48.1	48.1	48.2	48.6	49.0	49.7	49.8	49.9	50.5	51.5	51.4	50.5	48.4	47.0	44.0	42.9	42.4	48.2
21 D	42.4	43.0	44.9	45.5	45.6	50.2	30.7	47.9	51.8	52.8	62.3	65.5	58.0	63.6	54.0	51.8	44.2	48.0	44.0	42.9	42.8	43.7	47.0	45.3	48.7
22 D	45.5	49.4	49.8	48.0	47.7	54.6	46.7	46.6	51.2	49.4	50.5	56.7	60.0	56.4	48.2	43.6	42.5	39.8	44.1	46.9	47.6	47.9	49.4	49.9	48.8
23	49.7	49.3	49.3	48.1	49.0	53.5	52.2	47.0	37.7	38.9	47.3	53.7	57.1	54.4	52.8	51.8	51.6	49.0	47.9	47.3	45.8	47.3	49.2	49.2	49.1
24	48.9	52.7	52.5	50.5	50.3	50.6	43.2	47.3	47.6	43.6	51.0	53.1	52.7	50.2	46.8	48.6	48.8	47.1	45.0	43.7	44.7	45.1	47.7	48.6	48.3
25	48.8	48.2	50.5	50.3	49.9	49.2	53.1	55.7	53.5	54.2	51.5	48.9	48.6	50.7	48.4	51.8	51.5	48.8	47.2	46.0	46.0	47.5	47.9	48.1	49.8
26	48.1	49.6	51.2	51.0	50.6	63.7	51.2	49.6	49.9	48.5	50.6	49.9	48.8	50.3	50.5	50.8	51.2	50.7	49.4	48.8	48.2	47.3	47.2	47.0	50.2
27	46.4	48.4	49.4	49.4	47.9	48.0	48.9	47.2	45.6	52.8	55.3	56.0	54.1	53.3	55.7	53.2	49.2	47.9	49.8	46.3	42.1	45.4	47.9	48.4	49.5
28	47.5	47.6	48.5	47.9	48.9	48.4	46.8	47.7	46.0	49.7	54.8	60.3	55.8	50.5	48.9	50.2	50.3	50.2	45.3	41.2	41.4	43.8	44.7	44.2	48.4
29	45.1	45.3	46.4	49.3	47.5	46.4	47.0	48.4	46.3	48.8	48.6	50.5	49.0	49.0	50.1	50.3	49.3	49.4	45.5	41.9	39.2	42.4	44.0	43.7	46.8
30	43.3	47.1	49.2	48.5	48.6	47.2	47.5	47.6	49.4	49.8	48.5	48.1	46.6	48.5	51.2	52.9	52.0	47.3	47.3	47.9	46.4	46.8	46.0	47.6	48.1
31 Q	47.5	47.6	47.7	47.5	50.2	49.9	46.8	47.0	48.8	48.9	49.0	49.0	49.7	50.3	50.5	50.6	51.4	50.3	48.8	46.7	45.5	45.5	46.2	46.3	48.4
Mean	47.4	47.7	49.1	50.1	50.6	50.8	49.2	47.6	48.1	48.8	51.6	52.4	52.3	51.4	51.4	50.9	49.8	48.3	47.6	46.5	45.9	46.2	46.7	46.6	49.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 209. Meanook. (Z.) 59,000 γ + December, 1939.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	217	216	218	211	208	218	247	210	207	195	152	135	190	196	204	201	200	202	200	199	201	205	209	218	202
2	208	212	214	216	218	219	220	220	220	216	210	205	204	203	203	202	198	196	196	197	202	206	207	219	209
3	218	212	217	221	218	219	220	233	223	219	200	203	206	203	203	204	207	207	208	208	209	207	209	223	212
4	235	242	250	249	247	253	253	251	229	215	213	212	211	209	211	212	214	215	215	215	216	215	214	213	225
5	214	214	214	214	213	213	212	212	212	212	209	204	180	131	132	137	130	150	166	193	219	242	242	245	196
6 D	239	251	241	222	218	216	214	210	209	207	204	203	202	201	204	208	207	204	199	197	204	263	293	254	220
7 D	258	318	199	149	221	235	213	164	133	006	113	165	143	110	000	066	102	122	183	218	237	235	234	244	166
8 D	230	230	264	233	213	122	073	134	050	130	042	012	040	132	165	161	175	161	202	225	231	228	236	242	164
9	272	247	235	231	228	221	199	097	184	210	225	077	090	056	161	189	197	198	212	219	222	222	221	221	193
10	220	213	213	218	228	219	200	203	166	181	140	169	163	162	176	199	210	212	211	214	215	219	226	220	200
11	219	217	214	220	233	228	216	182	120	149	148	178	163	182	184	198	197	195	201	208	211	213	212	215	196
12	213	212	216	215	211	211	207	205	190	182	180	180	191	199	202	197	183	181	186	199	205	207	210	225	200
13	225	215	222	225	226	231	221	204	195	176	172	203	198	186	172	188	198	198	202	207	210	210	213	212	204
14 Q	212	210	213	213	212	212	213	213	200	193	191	198	210	211	213	211	211	208	208	208	208	209	210	210	208
15	212	214	218	235	252	234	227	209	221	207	222	213	206	206	202	195	164	180	194	199	204	206	212	211	210
16	216	217	216	219	219	213	213	210	206	205	202	202	204	206	204	204	200	201	205	206	206	206	239	272	212
17	256	229	221	219	219	219	218	213	189	171	214	212	201	201	204	204	205	207	206	206	207	207	211	211	210
18 Q	215	219	226	230	219	214	212	210	207	206	200	194	201	207	207	207	207	206	205	206	208	209	210	211	210
19 Q	217	216	216	216	217	218	222	216	214	212	210	210	209	209	211	210	210	210	211	212	212	212	211	211	213
20 Q	210	209	207	206	205	205	205	204	204	204	203	203	202	202	203	203	204	204	204	203	199	201	204	206	204
21 D	217	221	227	242	269	020	192	238	198	130	150	173	123	074	078	145	183	198	201	208	222	220	228	230	183
22 D	256	243	225	231	256	277	237	200	141	159	052	127	116	007	015	092	178	192	195	203	211	222	219	214	178
23	213	213	213	222	229	225	215	193	109	064	051	137	178	197	201	202	203	202	206	205	208	209	209	211	188
24	213	217	213	219	220	205	188	204	186	089	112	161	177	176	172	175	185	196	206	206	206	207	214	212	190
25	215	220	236	246	225	212	209	198	186	180	188	193	206	200	181	189	197	199	204	202	207	208	208	209	205
26	211	212	214	212	216	225	223	204	187	167	165	171	192	201	201	204	203	204	206	208	209	212	211	210	203
27	206	203	202	200	200	200	203	212	130	073	180	190	193	204	189	169	161	179	191	190	196	199	202	200	186
28	207	211	210	211	212	214	233	218	215	208	174	174	172	193	205	205	198	197	193	202	204	209	213	222	204
29	228	235	224	223	223	222	220	219	222	209	192	171	196	185	199	180	201	211	205	201	203	208	213	208	208
30	228	226	218	213	209	211	212	215	214	212	205	195	183	189	213	208	200	197	204	205	205	208	210	209	208
31 Q	211	211	210	209	207	207	209	207	206	205	210	208	203	204	205	208	208	208	208	209	209	208	207	206	208
Mean	223	223	220	219	222	211	208	204	186	174	172	177	179	176	178	186	192	195	201	206	210	214	218	220	200

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 210. Meanook. December, 1939.

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 12,000 γ +			Minimum 12,000 γ +			Range	Maximum 25° East +			Minimum 25° East +			Range	Maximum 59,000 γ +			Minimum 59,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	06	15	828	11	10	647	181	06	23	69.7	07	00	41.1	28.6	06	16	295	11	12	090	205
2	06	50	746	21	43	698	48	17	17	53.6	21	19	41.4	12.2	23	35	228	16	36	193	35
3	07	23	766	22	35	707	59	08	44	57.1	23	17	42.7	14.4	07	22	242	10	45	189	53
4	06	21	773	19	00	721	52	06	17	55.4	02	14	37.6	17.8	06	23	273	13	23	207	66
5	22	01	746	16	58	633	113	15	02	63.8	20	09	39.2	24.6	22	55	248	13	30	113	135
6 D	22	42	769	21	09	609	160	20	53	56.2	22	09	34.6	21.6	22	07	325	12	47	194	131
7 D	02	49	947	07	44	038	909	08	24	120.8	07	43	-33.1	153.9	07	57	637	09	08	-203	840
8 D	03	27	915	08	26	057	858	08	54	102.5	05	26	-08.6	111.1	03	23	297	08	16	-094	391
9	14	53	788	11	44	349	439	09	24	63.2	07	47	18.7	44.5	00	18	282	07	48	-045	327
10	06	26	757	10	36	658	99	05	21	63.5	14	03	42.5	21.0	04	13	237	10	36	118	119
11	00	14	767	08	49	680	87	10	42	58.7	11	46	42.4	16.3	04	45	250	08	22	077	173
12	08	23	754	17	28	696	58	02	50	65.9	17	35	40.8	25.1	23	22	226	10	54	165	61
13	05	45	755	14	29	689	66	04	50	65.3	09	52	39.5	25.8	05	08	243	09	56	143	100
14 Q	15	14	757	09	01	709	48	06	37	58.1	09	32	45.3	12.8	07	07	220	09	46	184	36
15	04	36	839	16	18	674	165	04	32	67.2	05	29	39.9	27.3	04	28	313	16	18	153	160
16	05	02	757	21	44	722	35	16	38	59.3	23	51	33.7	25.6	23	12	296	10	48	196	100
17	06	20	752	07	41	693	59	09	46	55.5	00	21	41.4	14.1	00	00	269	09	01	150	119
18 Q	05	15	755	21	04	727	28	17	59	53.2	02	24	45.6	7.6	02	43	232	10	30	188	44
19 Q	05	16	756	18	30	728	28	16	53	52.7	05	52	45.3	7.4	10	12	228	13	00	209	19
20 Q	12	09	754	20	30	731	23	17	33	53.6	23	48	42.0	11.6	23	50	212	20	07	197	15
21 D	05	52	1111	10	05	220	891	10	31	92.5	06	24	04.4	88.1	04	23	287	05	34	-245	532
22 D	05	14	858	13	34	297	561	05	21	76.6	08	04	13.2	63.4	00	48	295	13	33	-025	320
23	05	48	765	10	12	513	252	05	47	70.2	09	27	26.8	43.4	04	10	234	10	24	009	225
24	06	17	803	09	41	553	250	05	47	69.0	09	36	36.4	32.6	06	19	241	09	28	032	209
25	04	57	754	08	54	699	55	07	29	59.3	20	08	44.9	14.4	03	25	256	09	33	172	84
26	03	43	743	04	59	693	50	05	06	69.4	21	43	45.6	23.8	05	08	241	10	10	150	91
27	08	41	858	09	08	586	272	09	32	66.3	08	41	32.9	33.4	08	32	228	09	00	-048	276
28	13	43	765	12	49	662	103	10	52	62.6	20	14	38.1	24.5	06	35	240	12	50	146	94
29	01	36	784	13	31	694	90	11	38	54.9	20	04	37.2	17.7	01	42	242	11	23	155	87
30	03	05	757	13	02	697	60	15	40	55.1	00	20	41.1	14.0	00	30	243	12	37	165	78
31 Q	04	17	753	17	16	717	36	05	09	55.0	21	40	45.0	10.0	04	37	215	13	30	199	16
Mean			795			597	198			65.4			33.5	31.9			267			101	166
No. days			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 211. Meanook 1938.

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	+51.6	+71.1	+80.7	+80.6	+66.5	+52.0	+37.3	+10.8	-41.5	-60.6	-38.6	-49.4	-76.6	-96.7	-51.9	-41.1	-25.8	+1.8	-3.7	-14.3	-6.6	+5.9	+17.6	+30.1
February	+18.2	+24.1	+32.3	+43.8	+50.0	+40.8	+26.3	+5.7	-9.2	-44.2	-30.0	-26.2	-54.8	-42.6	-13.7	-1.1	+4.6	-7.8	-8.5	-7.7	-6.4	-2.4	-1.3	+7.8
March	+32.4	+42.4	+35.9	+21.9	+30.6	+27.6	-8.8	+0.8	-17.6	-50.9	-23.1	-21.4	-7.4	-2.2	-14.6	-1.3	+1.4	-12.2	-23.9	-20.7	-12.3	-4.5	+7.3	+19.6
April	+35.6	+40.7	+51.1	+45.2	+51.2	+43.3	+33.0	-28.1	-36.2	-35.2	-43.4	-61.1	-63.5	-47.8	-6.9	-4.7	-5.8	-8.3	-10.9	-9.6	-4.6	+10.5	+23.5	+31.6
May	+59.5	+40.7	+41.0	+43.2	+31.2	+14.6	-1.1	-23.0	-35.9	-38.3	-33.2	-32.1	-27.1	-28.8	-29.2	-18.2	-9.9	-11.1	-17.9	-12.0	-3.5	+10.7	+38.0	+41.8
June	+26.6	+32.8	+29.3	+22.2	+18.9	+9.7	+5.7	-16.9	-31.2	-35.9	-19.4	-7.3	+2.4	+12.6	+11.6	+6.5	-1.0	-12.2	-17.7	-20.0	-14.2	-8.0	-3.6	+9.1
July	+41.1	+51.9	+41.7	+33.0	+40.7	+19.0	-1.2	-9.2	-30.3	-57.0	-51.7	-43.1	-48.1	-37.4	-5.1	+9.9	+4.4	-4.7	-12.4	-8.7	-6.2	+4.4	+26.4	+38.5
August	+40.2	+27.1	+30.5	+38.2	+35.0	+25.1	+22.1	-6.9	-23.3	-52.8	-32.0	-7.5	-6.5	-9.6	-16.6	-13.6	-18.2	-24.4	-24.2	-21.6	-15.2	-0.2	+21.0	+33.5
September	+43.0	+52.6	+40.2	+37.6	+49.1	+32.5	+25.9	+11.9	-60.2	-66.4	-46.5	-45.2	-60.1	-39.9	-21.5	-15.1	-10.4	-4.4	-9.2	-10.5	+2.1	+20.9	+33.7	+39.8
October	+39.0	+40.9	+49.8	+42.5	+35.5	+31.6	+14.7	-0.5	-17.0	-34.0	-69.3	-86.6	-82.1	-33.6	-2.5	-1.9	-5.6	-3.7	-4.5	-1.0	+6.4	+17.0	+28.0	+36.7
November	+21.2	+25.5	+26.5	+26.2	+24.9	+17.3	+8.3	+0.4	-3.7	-11.2	-31.5	-37.8	-27.3	-9.6	-20.0	-9.4	+0.2	-2.7	-7.8	-7.7	-6.2	+1.5	+6.7	+17.3
December	+29.7	+31.3	+34.7	+29.3	+29.1	+29.9	+18.6	-3.6	-40.2	-20.0	-21.5	-44.0	-32.2	-8.8	-2.5	-10.4	-4.5	-13.6	-16.0	-10.6	-9.9	+2.6	+13.6	+19.1
Year	+36.5	+40.1	+41.1	+38.7	+38.5	+28.6	+15.1	-4.9	-28.9	-42.2	-36.7	-38.5	-40.3	-28.7	-14.4	-8.4	-5.9	-8.6	-13.0	-12.0	-5.6	+4.9	+17.6	+27.1
Winter	+30.2	+38.0	+43.6	+45.0	+42.6	+35.0	+22.6	+3.3	-23.6	-34.0	-30.4	-39.4	-47.7	-39.4	-22.0	-15.5	-6.4	-5.6	-9.0	-10.1	-7.3	+1.9	+9.2	+18.6
Equinox	+37.5	+44.2	+44.2	+36.8	+41.6	+33.8	+16.2	-4.0	-32.8	-46.6	-45.6	-53.6	-53.3	-30.9	-11.4	-5.8	-5.1	-7.2	-12.1	-10.4	-2.1	+11.0	+23.1	+31.9
Summer	+41.8	+38.1	+35.6	+34.2	+31.4	+17.1	+6.4	-14.0	-30.2	-46.0	-34.1	-22.5	-19.8	-15.8	-9.8	-3.8	-6.2	-13.1	-18.0	-15.6	-7.3	+1.7	+20.4	+30.7

DECLINATION (minutes) (All Days)

Table 212. Meanook 1938.

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	-2.56	-2.50	-1.22	-0.97	-0.36	-1.24	-4.09	-4.58	-3.93	-2.86	-0.35	+3.07	+0.98	-1.26	+3.92	+7.63	+6.96	+3.68	+3.33	+1.80	-0.01	-2.55	-2.48	-0.40
February	-3.74	-3.16	-2.92	-1.95	-2.58	-2.34	-0.16	+0.08	-0.78	+0.33	+2.65	+3.98	+3.63	+3.44	+1.39	+2.85	+4.64	+2.63	+2.56	-0.23	-1.08	-2.22	-3.34	-3.48
March	-5.36	-4.29	-4.15	-3.45	-3.01	-1.42	-0.39	-0.06	+1.07	+2.51	+2.00	+2.59	+1.91	+3.09	+4.92	+6.18	+7.05	+6.42	+2.85	-1.09	-2.74	-4.17	-5.06	-5.32
April	-6.31	-5.46	-3.54	-2.49	-3.20	-3.06	-1.89	-4.72	-0.36	+0.80	+1.55	+0.40	+3.06	+6.32	+9.67	+10.59	+9.33	+6.53	+2.50	-0.62	-3.11	-4.50	-5.26	-6.36
May	-6.28	-5.25	-4.10	-3.88	-2.46	-2.23	-2.57	-2.33	-0.12	+0.62	+1.01	+3.16	+6.47	+8.59	+10.05	+8.48	+7.72	+5.32	+1.25	-2.04	-3.73	-3.84	-6.69	-6.69
June	-5.50	-4.20	-2.94	-1.92	-1.88	-1.85	-2.66	-2.12	-1.54	-1.50	+0.70	+1.88	+3.89	+6.70	+8.86	+9.76	+10.25	+7.49	+3.99	-1.22	-4.76	-6.93	-7.63	-7.05
July	-6.52	-4.51	-2.71	-2.51	-2.20	-3.02	-2.99	-0.62	-0.40	-0.95	-0.30	-1.12	+3.68	+8.47	+10.36	+12.37	+12.09	+8.82	+2.57	-2.14	-5.67	-7.33	-7.99	-7.46
August	-4.32	-3.09	-2.60	-3.18	-2.85	-3.03	-3.47	-2.66	-1.62	-0.18	+0.05	+1.55	+3.40	+8.14	+11.01	+11.46	+10.87	+6.61	+1.44	-3.65	-6.36	-6.82	-5.44	-5.23
September	-4.96	-4.68	-3.20	-4.33	-4.80	-4.01	-4.12	-2.06	-2.38	+4.27	+5.85	+6.89	+6.44	+4.73	+7.91	+6.71	+6.35	+3.73	+1.95	-1.73	-4.27	-5.34	-4.10	-4.73
October	-4.59	-3.38	-1.63	-2.67	-1.26	-4.44	-2.60	-2.37	-0.43	+2.91	+5.25	+5.77	+3.48	+5.64	+5.28	+5.61	+4.89	+2.48	-1.28	-3.08	-3.87	-3.16	-2.99	-3.45
November	-3.11	-2.13	-1.05	-0.13	-0.20	-1.28	-1.37	+0.62	-0.29	+1.06	+0.70	+3.60	+5.47	+4.39	+2.30	+2.73	+2.28	+1.70	-0.27	-1.94	-2.87	-3.72	-3.18	-3.39
December	-2.21	-1.77	-1.36	-0.23	-0.31	-0.04	+0.31	+0.01	-0.02	+3.76	+2.83	+3.34	+2.31	+3.07	+1.77	+0.54	+3.45	+1.09	-1.14	-1.54	-3.36	-3.70	-3.37	-3.34
Year	-4.62	-3.70	-2.62	-2.31	-2.09	-2.33	-2.17	-1.73	-0.90	+0.90	+1.83	+2.93	+3.73	+5.11	+6.45	+7.08	+7.15	+4.71	+1.64	-1.46	-3.49	-4.52	-4.79	-4.74
Winter	-2.90	-2.39	-1.64	-0.82	-0.86	-1.22	-1.33	-0.97	-1.26	+0.57	+1.46	+3.50	+3.10	+2.41	+2.34	+3.44	+4.33	+2.28	+1.12	-0.48	-1.83	-3.05	-3.09	-2.65
Equinox	-5.30	-4.45	-3.13	-3.24	-2.07	-3.23	-2.25	-2.30	-0.52	+2.62	+3.66	+3.91	+3.72	+4.94	+6.94	+7.27	+6.90	+4.79	+1.50	-1.63	-3.50	-4.29	-4.35	-4.96
Summer	-5.66	-4.26	-3.09	-2.87	-2.35	-2.53	-2.92	-1.93	-0.92	-0.50	+0.36	+1.37	+4.36	+7.98	+10 07	+10.52	+10.23	+7.06	+2.31	-2.26	-5.13	-6.23	-6.94	-6.61

VERTICAL FORCE (gammas) (All Days)

Table 213. Meanook 1938.

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	+9.9	+28.4	+38.1	+29.6	+25.9	+12.7	+7.8	-16.5	-34.3	-25.8	-9.1	-19.6	-42.2	-35.1	-19.2	-2.7	-8.5	-14.1	+10.7	+11.6	+11.6	+9.6	+10.7	+20.5
February	+23.5	+25.6	+31.7	+30.8	+31.4	+2.5	-6.0	-0.7	-3.5	-27.0	-26.3	-29.8	-26.5	-41.9	-29.6	-27.9	-8.6	-8.2	+2.7	+13.4	+14.2	+19.5	+19.5	+20.1
March	+15.0	+13.6	+18.0	+19.5	+19.9	+5.8	-1.8	+3.9	-13.1	-29.7	-29.8	-24.5	-17.5	-16.2	-12.1	-14.3	-8.8	-4.8	+0.6	+4.1	+11.7	+18.3	+22.7	+19.4
April	+29.7	+32.2	+26.4	+25.4	+18.6	+19.2	-0.4	-25.3	-15.3	-27.3	-28.6	-21.8	-57.4	-50.0	-32.6	-11.1	-4.0	+1.0	+3.7	+10.6	+18.7	+27.8	+30.9	+30.5
May	+23.5	+26.5	+28.3	+24.8	+6.6	+0.8	-3.9	-7.3	-28.4	-26.9	-26.5	-19.4	-18.5	-27.3	-26.7	-20.4	-7.5	+2.2	+3.3	+13.7	+22.2	+17.3	+25.1	+17.3
June	+24.7	+26.3	+24.4	+18.2	+12.0	+0.4	+1.3	-6.6	-21.7	-32.6	-27.3	-10.7	-7.6	-4.4	-6.1	-7.9	-5.8	-8.5	-8.1	-4.2	+3.9	+9.1	+13.8	+18.0
July	+32.2	+35.1	+29.9	+24.4	+23.6	+9.2	-1.8	-1.8	-21.2	-23.3	-18.9	-20.4	-35.1	-44.2	-29.1	-16.9	-12.5	-10.0	-5.9	+3.7	+10.3	+18.8	+26.3	+26.9
August	+29.2	+26.4	+25.5	+16.4	+3.3	+5.5	+0.1	-2.8	-20.4	-34.5	-26.3	-6.3	-3.4	-7.5	-12.3	-19.5	-16.5	-14.1	-8.4	-3.4	+6.0	+13.7	+21.9	+29.0
September	+30.0	+20.5	+12.3	+10.8	+10.7	+10.3	+3.6	-3.9	-34.4	-21.5	-19.4	-30.2	-32.4	-28.1	-29.0	-22.6	-16.8	-4.6	+5.4	+14.7	+25.5	+30.9	+33.6	+34.1
October	+33.8	+34.0	+31.3	+14.6	+10.0	+3.2	-4.9	-8.3	-22.0	-24.8	-53.8	-56.0	-54.9	-34.6	-16.5	-2.6	+6.0	+4.4	+8.4	+17.0	+24.1	+28.5	+31.2	+32.2
November	+22.9	+22.1	+25.9	+26.8	+20.8	+7.3	+0.4	-12.4	-12.0	-23.2	-36.8	-37.7	-29.5	-21.5	-22.9	-14.3	-5.8	+1.1	+4.4	+9.6	+15.8	+19.7	+18.3	+20.7
December	+22.9	+18.0	+23.9	+24.4	+23.0	+21.5	+11.0	-2.1	-24.8	-12.4	-18.1	-31.6	-42.3	-37.6	-20.2	-26.6	-11.7	-6.2	+2.5	+11.5	+14.8	+19.5	+19.7	+21.9
Year	+24.8	+25.7	+26.3	+22.1	+17.2	+8.2	+0.4	-7.0	-20.9	-25.7	-26.8	-25.7	-30.6	-29.0	-21.4	-15.6	-8.4	-5.1	+1.8	+8.5	+14.9	+19.4	+22.8	+24.2
Winter	+19.8	+23.5	+29.9	+27.9	+25.3	+11.0	+3.3	-7.9	-18.6	-22.1	-22.6	-29.7	-35.1	-34.0	-23.0	-17.9	--8.6	-6.8	+5.6	+11.5	+14.1	+17.1	+17.0	+20.8
Equinox	+27.1	+25.1	+22.0	+17.3	+14.8	+9.6	-0.9	-8.4	-21.2	-25.8	-32.9	-33.1	-40.6	-32.2	-22.6	-12.6	-5.9	-1.0	+4.5	+11.6	+20.0	+26.4	+29.6	+29.0
Summer	+27.4	+28.6	+27.0	+21.0	+11.4	+4.0	-1.1	-4.6	-22.9	-29.3	-24.8	-14.2	-16.2	-20.8	-18.6	-16.2	-10.6	-7.6	-4.8	+2.4	+10.6	+14.7	+21.8	+22.8

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

HORIZONTAL FORCE (gammas) (Quiet Days)

Table 214. Meanook 1938.

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	+7.4	+8.7	+7.2	+10.7	+10.0	+8.3	+7.4	+3.9	+7.2	-25.3	-9.8	+6.1	+5.7	+1.2	-3.1	+12.6	+7.1	+0.2	-7.5	-17.8	-18.9	-18.0	-6.1	+3.0
February	-5.2	+2.3	+5.8	+7.1	+8.6	+7.9	+6.1	+4.4	+5.5	+6.4	+9.1	+9.2	+8.4	+4.9	+10.0	+10.3	+8.6	+2.1	-12.5	-21.2	-24.1	-21.4	-19.3	-12.0
March	-4.6	-1.5	+3.1	+5.8	+8.5	+9.7	+9.0	+9.0	+8.9	+9.0	+10.2	+13.5	+14.1	+15.4	+16.4	+22.5	+3.2	-12.8	-25.7	-30.9	-29.8	-24.5	-16.5	-11.0
April	-3.5	+2.7	+5.9	+8.1	+9.1	+10.9	+8.2	+8.6	+11.8	+12.4	+14.2	+12.4	+10.2	+10.6	+13.6	+8.0	-4.6	-16.0	-23.5	-26.9	-23.5	-21.5	-18.3	-9.9
May	+2.5	-3.1	-1.1	+2.9	+7.5	+7.9	+4.2	+5.2	+5.2	+4.8	+6.2	+8.0	+5.8	+5.8	+11.0	+9.0	+2.2	-7.4	-13.1	-19.3	-21.5	-11.9	-7.9	-3.9
June	+9.5	+21.6	+13.1	+8.4	+6.7	+3.1	+3.2	+3.1	+2.0	-1.1	+1.0	+7.7	+13.1	+13.8	+18.3	+12.6	+0.9	-11.6	-21.9	-23.7	-26.6	-27.1	-19.0	-8.1
July	+13.4	+15.2	+14.8	+19.0	+16.8	+20.2	+10.2	+7.3	+7.7	+10.7	+10.1	+9.1	+3.5	-18.1	-25.7	-1.3	-2.5	-14.0	-22.0	-26.2	-20.6	-17.8	-11.6	+2.8
August	+2.7	-1.6	+5.8	+6.2	+6.9	+7.7	+7.0	+8.6	+11.6	+10.9	+12.5	+12.8	+16.4	+19.5	+18.7	+7.6	-12.0	-26.8	-35.5	-32.7	-26.4	-14.8	-5.0	+1.1
September	0.0	+1.8	+5.7	+8.9	+7.8	+6.8	+7.9	+4.7	-1.0	+9.8	+12.3	+11.9	+7.9	+8.9	+10.4	+4.6	-6.5	-19.3	-24.0	-21.6	-19.1	-10.3	-5.4	-3.0
October	+0.8	+2.4	+6.6	+9.2	+10.1	+11.5	+8.9	+8.9	+8.8	+7.0	+9.0	+5.2	-2.8	+6.8	+10.4	+6.2	-5.3	-13.3	-20.5	-25.9	-17.8	-14.2	-8.6	-3.4
November	+3.9	+6.7	+10.0	+10.8	+9.7	+7.3	+6.7	+9.4	+4.8	-1.5	+1.1	+2.3	+4.1	+10.1	+7.9	+5.2	-1.4	-11.5	-20.5	-22.9	-20.4	-14.2	-7.0	-0.9
December	-0.4	+4.1	+6.5	+7.4	+5.3	+4.5	+2.8	+2.7	-0.4	+2.0	+3.7	+4.4	+6.0	+7.5	+8.6	+7.2	+0.5	-8.8	-16.5	-17.7	-14.8	-8.5	-4.5	-1.0
Year	+2.2	+4.9	+7.0	+8.7	+8.9	+8.8	+6.8	+6.3	+6.0	+3.8	+6.6	+8.6	+7.7	+7.2	+8.0	+8.7	-0.8	-11.6	-20.2	-23.9	-22.0	-17.3	-10.8	-3.8
Winter	+1.4	+5.4	+7.4	+9.0	+8.4	+7.0	+5.8	+5.1	+4.3	-4.6	+1.0	+5.5	+6.0	+5.9	+5.8	+8.8	+3.7	-4.5	-14.2	-19.9	-19.6	-15.5	-9.2	-2.7
Equinox	-1.8	+1.4	+5.3	+8.0	+8.9	+9.7	+8.5	+7.8	+7.1	+9.6	+11.4	+10.8	+7.4	+10.4	+12.7	+10.3	-3.3	-15.4	-23.4	-26.3	-22.6	-17.6	-12.2	-6.8
Summer	+7.0	+8.0	+8.2	+9.1	+9.5	+9.7	+6.2	+6.0	+6.6	+6.3	+7.4	+9.4	+9.7	+5.2	+5.6	+7.0	-2.8	-15.0	-23.1	-25.5	-23.8	-18.9	-10.9	-2.0

DECLINATION (minutes) (Quiet Days)

Table 215. Meanook 1938.

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	-2.59	-0.92	-0.08	+1.23	+1.35	+1.52	+1.48	-0.99	-1.79	-0.28	+0.36	+1.59	+0.69	+1.18	+0.08	+1.67	+4.77	+3.96	+2.62	+0.57	-3.59	-5.26	-4.36	-3.33
February	-2.65	-2.30	-2.03	-1.84	-1.75	-1.78	-1.87	-0.36	-0.81	-0.56	-0.47	-0.12	-0.24	-0.47	+0.60	+2.53	+4.32	+5.53	+5.04	+2.87	+0.90	-0.69	-1.74	-2.23
March	-4.15	-2.92	-2.16	-1.75	-1.26	-1.46	-0.61	-0.58	-0.38	-0.25	-0.88	-0.09	+0.11	+1.48	+3.79	+6.26	+8.08	+7.95	+4.96	+0.50	-2.97	-4.42	-4.80	-4.39
April	-5.14	-4.16	-3.24	-2.29	-2.17	-1.83	-1.63	-0.91	-0.76	-0.14	+0.18	+0.82	+2.06	+4.52	+7.32	+9.02	+9.91	+7.49	+3.47	-0.89	-4.39	-5.78	-6.00	-5.54
May	-4.46	-3.25	-2.21	-1.22	-0.91	-0.98	-1.24	-1.65	-0.64	-0.11	+1.31	+1.78	+2.82	+5.13	+6.93	+8.18	+8.09	+6.10	+1.36	-2.21	-4.54	-6.25	-6.51	-5.50
June	-4.50	-2.56	-1.31	-0.17	-1.36	-1.10	-1.93	-2.23	-1.98	-1.92	+0.33	+0.75	+2.99	+5.17	+7.14	+8.30	+9.13	+7.53	+3.46	-0.72	-3.95	-7.49	-7.42	-6.12
July	-4.79	-3.38	-2.54	-2.67	-1.35	+0.34	-0.92	-1.29	-1.55	-1.10	-0.82	-0.13	+3.37	+5.42	+8.96	+10.45	+10.61	+8.02	+3.60	-2.63	-6.15	-7.52	-7.60	-6.35
August	-3.56	-2.61	-2.28	-2.33	-2.22	-2.11	-1.44	-1.37	-1.22	-1.49	-1.22	+0.39	+2.85	+5.78	+8.47	+11.56	+10.89	+8.28	+2.43	-2.84	-5.95	-7.26	-7.21	-5.66
September	-2.90	-2.92	-3.15	-3.03	-2.75	-2.34	-2.66	-2.35	-1.71	+0.25	-0.18	+0.34	+1.14	+3.10	+6.13	+7.79	+8.03	+7.54	+3.74	+0.05	-2.51	-3.55	-4.00	-3.96
October	-3.62	-2.60	-2.45	-1.81	-1.35	-1.26	-1.38	-0.16	-0.41	+0.35	+1.36	+0.42	-0.36	+0.90	+4.73	+6.91	+7.32	+4.76	+1.22	-1.27	-2.73	-2.79	-2.72	-3.02
November	-2.37	-1.52	-0.83	-0.76	-0.47	-0.80	-1.34	-1.01	-1.04	-0.35	-0.02	+1.01	+1.67	+1.94	+2.03	+2.92	+4.79	+4.34	+2.04	-0.05	-1.96	-2.63	-2.68	-2.81
December	-1.92	-1.01	+0.24	+0.11	-0.02	-0.51	-0.78	+0.37	-0.78	-0.77	-0.64	-0.53	-0.21	+0.22	+1.01	+2.38	+4.35	+4.58	+3.09	+0.30	-1.93	-2.62	-2.65	-2.38
Year	-3.55	-2.51	-1.84	-1.38	-1.19	-1.02	-1.19	-1.05	-1.09	-0.53	-0.06	+0.52	+1.41	+2.87	+4.77	+6.50	+7.53	+6.34	+3.09	-0.53	-3.31	-4.69	-4.81	-4.28
Winter	-2.38	-1.44	-0.68	-0.32	-0.22	-0.39	-0.63	-0.50	-1.10	-0.49	-0.19	+0.49	+0.48	+0.72	+0.93	+2.38	+4.56	+4.60	+3.20	+0.92	-1.64	-2.80	-2.86	-2.69
Equinox	-3.95	-3.15	-2.75	-2.22	-1.88	-1.72	-1.57	-1.00	-0.82	+0.05	+0.10	+0.37	+0.74	+2.50	+5.44	+7.50	+8.34	+6.94	+3.35	-0.40	-3.15	-4.14	-4.38	-4.23
Summer	-4.33	-2.95	-2.08	-1.60	-1.46	-0.96	-1.38	-1.64	-1.35	-1.16	-0.10	+0.70	+3.01	+5.38	+7.88	+9.62	+9.68	+7.48	+2.71	-2.10	-5.15	-7.13	-7.18	-5.91

VERTICAL FORCE (gammas) (Quiet Days)

Table 216. Meanook 1938.

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	+18.2	+13.1	+13.1	+11.4	+9.0	+9.7	+1.3	-9.2	-25.0	-27.9	-21.1	-9.2	-9.6	-12.1	-13.7	+0.6	+2.8	+0.7	+2.7	+5.6	+8.2	+7.9	+11.7	+12.0
February	+7.4	+6.8	+8.2	+7.0	+6.4	+6.2	+6.1	+2.1	-3.3	-9.3	-5.1	-4.9	-5.1	-11.7	-10.3	-5.5	-2.5	-3.1	-3.4	-2.8	+0.4	+4.2	+5.8	+6.6
March	+6.1	+4.9	+6.0	+5.8	+4.1	+2.7	+2.8	+0.8	-1.7	-8.9	-9.2	-6.8	-5.4	-2.6	+0.1	-0.3	-0.8	-3.0	-4.9	-4.1	-0.8	+2.8	+5.9	+6.7
April	+5.4	+6.1	+6.7	+6.6	+5.1	+5.9	+0.8	+1.7	-1.1	-8.2	-6.1	-3.8	-3.0	-3.3	-4.0	-4.5	-4.3	-3.8	-4.3	-4.7	-2.6	+2.7	+5.9	+7.0
May	+8.1	+4.0	+1.9	+3.0	+2.9	+6.4	+8.6	-0.3	-5.2	-5.7	-6.4	-0.9	-1.9	-4.2	-4.3	-4.4	-4.9	-5.2	-5.8	-5.9	-2.2	+2.9	+7.4	+11.1
June	+15.7	+18.4	+10.7	+7.6	+1.3	-1.8	-3.7	-3.2	-3.9	-9.4	-14.7	-2.2	+3.2	+4.1	+3.6	+0.5	-4.4	-7.9	-12.8	-10.9	-5.0	-0.5	+5.0	+11.1
July	+17.4	+16.7	+17.8	+17.7	+16.2	+9.7	+3.5	+6.4	+2.7	+1.8	-0.9	-0.8	-10.0	-36.1	-43.4	-30.9	-17.2	-6.9	-3.5	-1.4	+4.3	+9.4	+12.1	+15.2
August	+12.7	+6.8	+2.5	+0.7	-0.8	-1.5	-0.6	-2.0	-4.5	-14.2	-11.3	-7.0	+0.2	+1.3	+1.2	+0.3	-2.2	-7.8	-7.9	-4.6	+1.3	+9.1	+13.0	+14.5
September	+11.1	+9.6	+6.4	+6.3	+7.1	+6.0	+4.6	+2.7	-13.5	-7.2	-6.0	-7.7	-8.1	-6.2	-6.4	-5.9	-3.7	-4.4	-3.4	-3.5	+0.5	+5.0	+7.0	+10.1
October	+7.1	+5.6	+6.9	+6.5	+6.2	+4.1	+3.1	+1.2	+2.7	-6.5	-9.0	-13.1	-19.1	-10.2	-4.3	-0.5	-1.0	-2.3	-2.7	+0.6	+5.5	+6.1	+6.6	+7.1
November	+4.5	+3.9	+6.7	+4.7	+2.9	+2.5	-0.9	+0.7	-1.5	-14.3	-15.7	-12.9	-12.1	-5.5	-1.9	+2.5	+3.9	+2.5	+2.3	+4.5	+5.9	+6.1	+5.7	+5.1
December	+1.7	+3.7	+7.3	+4.3	+1.4	+0.6	-0.4	-2.8	-9.3	-5.5	-2.7	-2.7	-2.5	-2.1	-2.5	-1.5	+0.4	+0.6	+1.0	+1.4	+2.7	+2.9	+1.9	+1.3
Year	+9.6	+8.3	+7.8	+6.8	+5.1	+4.2	+2.1	-0.2	-5.3	-9.6	-9.0	-6.0	-6.1	-7.4	-7.1	-4.1	-2.8	-3.4	-3.6	-2.1	+1.5	+4.9	+7.4	+9.0
Winter	+8.0	+6.9	+8.8	+6.8	+4.9	+4.8	+1.5	-2.3	-9.8	-14.2	-11.2	-7.4	-7.3	-7.8	-7.1	-1.0	+1.2	+0.2	+0.6	+2.2	+4.3	+5.3	+6.3	+6.2
Equinox	+7.4	+6.6	+6.5	+6.3	+5.6	+4.7	+2.8	+1.6	-3.4	-7.7	-7.6	-7.8	-8.9	-5.6	-3.6	-2.8	-2.4	-3.4	-3.8	-2.9	+0.6	+4.2	+6.4	+7.7
Summer	+13.5	+11.5	+8.2	+7.2	+4.9	+3.2	+2.0	+0.2	-2.7	-6.9	-8.3	-2.7	-2.1	-8.7	-10.7	-8.6	-7.2	-7.0	-7.5	-5.7	-0.4	+5.2	+9.4	+13.0

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

HORIZONTAL FORCE (gammas) (Disturbed Days)

Table 217. Meanook 1938.

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	+162.8	+254.0	+294.4	+268.2	+204.4	+155.0	+118.0	+35.0	-83.2	-194.4	-131.4	-139.2	-403.4	-431.0	-144.6	-154.8	-118.6	+23.4	+37.8	-22.2	+49.2	+73.0	+56.0	+90.8
February	+61.9	+62.9	+83.5	+125.4	+153.6	+104.6	+107.4	+2.0	-11.7	-52.3	-63.9	-112.5	-245.7	-145.7	-81.7	-37.7	-38.2	-75.4	-19.0	+13.6	+30.6	+44.5	+43.5	+51.3
March	+154.7	+146.4	+139.9	+67.1	+99.8	+57.9	-136.0	-54.4	-83.1	-306.8	-131.2	-30.3	-29.1	-52.4	-130.0	-53.7	-0.4	-2.0	-11.1	+23.6	+48.1	+64.5	+86.8	+131.9
April	+98.7	+116.1	+168.1	+130.6	+140.8	+63.0	+61.5	-176.1	-120.6	-85.4	-157.2	-270.1	-272.9	-134.0	-46.6	-45.0	+9.3	+41.3	+52.2	+50.0	+54.4	+104.9	+114.3	+101.7
May	+200.2	+167.6	+184.7	+180.1	+155.4	+79.6	-8.9	-119.5	-114.2	-112.8	-81.9	-135.1	-135.9	-154.1	-203.4	-140.4	-36.1	-25.1	-62.4	-18.6	+12.5	+59.5	+158.0	+150.2
June	+73.5	+95.7	+87.3	+77.2	+62.0	+17.6	-6.5	-132.3	-177.7	-97.0	-57.0	-33.8	+13.2	+14.0	+6.0	-0.3	-6.1	-17.9	-12.6	-13.2	+10.0	+32.5	+18.9	+46.3
July	+157.6	+170.3	+120.3	+88.8	+105.1	+73.3	+9.4	-47.1	-152.5	-252.6	-202.1	-176.7	-192.5	-200.1	-79.2	-22.7	+0.9	+20.4	+13.3	+48.5	+68.2	+105.9	+161.7	+182.4
August	+112.8	+83.5	+65.0	+68.3	+57.2	+66.3	+70.2	-34.3	-119.0	-274.7	-156.4	-44.3	-34.1	-57.6	-66.9	-49.8	-3.3	+14.8	+16.7	+5.0	+16.3	+36.4	+112.1	+115.2
September	+214.5	+252.6	+167.6	+145.7	+146.1	+100.0	+70.2	-15.7	-300.9	-242.6	-209.2	-200.5	-292.1	-237.0	-155.2	-106.1	-28.9	+31.4	+36.0	+48.5	+66.3	+126.6	+188.0	+194.9
October	+156.6	+152.9	+155.7	+124.4	+75.0	+50.9	-13.5	+13.6	-46.0	-129.3	-274.7	-302.6	-283.2	-149.9	-45.7	-33.4	-48.2	+6.3	+39.7	+65.6	+87.8	+113.1	+129.9	+154.6
November	+79.5	+87.9	+78.5	+79.6	+80.4	+46.0	+16.9	+1.5	+7.7	-39.8	-78.6	-171.9	-150.1	-75.0	-128.2	-74.7	+0.3	+13.7	+14.8	+13.6	+27.2	+50.9	+52.3	+68.5
December	+82.8	+108.3	+125.2	+85.4	+81.1	+70.6	+56.4	+28.9	-37.2	-9.4	-64.1	-135.6	-76.9	-42.7	-63.2	-118.8	-56.3	-63.8	-50.0	-18.9	-22.6	+24.0	+42.7	+54.4
Year	+129.6	+141.5	+139.2	+120.1	+113.4	+73.7	+28.8	-41.6	-103.2	-149.8	-134.0	-146.1	-175.5	-138.8	-94.9	-69.8	-27.1	-2.8	+4.6	+15.9	+37.4	+69.7	+97.1	+111.8
Winter	+96.8	+128.3	+145.4	+139.6	+129.9	+94.0	+74.7	+16.6	-31.1	-74.0	-84.5	-139.8	-219.0	-173.6	-104.4	-96.5	-53.2	-25.5	-4.1	-3.5	+21.1	+48.1	+48.9	+66.2
Equinox	+156.1	+167.0	+157.8	+117.0	+115.4	+68.0	-4.4	-58.2	-137.6	-191.0	-193.1	-200.9	-219.3	-143.3	-94.4	-59.6	-17.0	+19.2	+29.2	+46.9	+64.2	+102.3	+129.8	+145.8
Summer	+136.0	+129.3	+114.3	+103.6	+94.9	+59.2	+16.0	-83.3	-140.8	-184.3	-124.4	-97.5	-88.1	-99.4	-85.9	-53.3	-11.2	-2.0	-11.2	+5.4	+26.8	+58.6	+112.7	+123.5

DECLINATION (minutes) (Disturbed Days)

Table 218. Meanook 1938.

January	-1.73	-2.94	+0.08	-7.17	-7.38	-15.58	-21.88	-20.97	-20.16	-14.51	-9.09	+1.13	-3.53	-22.29	+19.41	+21.62	+21.09	+9.49	+12.14	+14.66	+13.11	+11.20	+8.94	+14.29
February	-3.01	-1.72	-2.62	-2.59	-6.09	-4.66	-4.74	-0.15	-2.41	-0.38	+5.68	+9.99	+9.23	+10.18	+1.90	+1.75	+4.89	-3.78	-0.02	-4.33	-1.91	+0.04	-2.12	-3.01
March	-9.81	-5.83	-8.80	-6.92	-7.54	-1.39	+4.97	-0.89	+4.26	+10.76	+8.38	+10.73	+7.33	+8.50	+8.66	+7.38	+7.07	+3.73	-3.67	-6.34	-5.34	-7.36	-8.75	-9.15
April	-6.84	-6.02	-7.12	-5.19	-9.27	-7.51	-2.35	-15.37	-3.00	-0.48	+1.36	-6.72	+1.40	+13.06	+18.32	+19.78	+13.77	+7.49	+2.51	+0.93	-1.39	-1.54	-1.02	-4.86
May	-10.83	-11.06	-10.00	-13.57	-7.51	-3.04	-8.90	-9.31	-2.37	+5.06	+4.24	+7.47	+18.87	+18.00	+16.58	+6.07	+3.33	+2.92	0.00	+1.11	+3.89	+9.38	-8.20	-12.13
June	-6.68	-9.07	-6.43	-4.04	-2.51	-1.16	-6.98	-3.93	-1.12	-1.95	+6.63	+3.64	+3.74	+7.27	+10.89	+12.68	+13.01	+10.70	+7.86	+0.59	-5.70	-9.37	-9.71	-8.30
July	-9.66	-6.76	-6.99	-4.61	-5.29	-18.18	-14.52	-0.42	+3.41	-0.15	+7.02	-1.40	+8.58	+17.72	+13.05	+17.27	+16.24	+13.60	+3.36	-0.09	-5.63	-6.59	-8.62	-11.44
August	-8.59	-5.84	-4.86	-4.73	-4.18	-5.38	-10.17	-7.78	-4.78	+2.27	+1.99	+5.88	+6.10	+15.31	+17.93	+13.60	+11.40	+5.01	+1.34	-3.96	-8.75	-6.52	+0.18	-5.45
September	-10.19	-10.10	-1.23	-8.11	-14.62	-7.95	-8.91	-2.02	-12.21	+8.25	+21.80	+29.37	+22.27	-1.26	+13.99	+5.99	+4.96	+0.03	-1.65	-4.42	-7.75	-7.75	-1.90	-6.55
October	-10.00	-7.64	-1.56	-8.37	-3.49	-14.81	-9.47	-5.13	+4.75	+9.48	+15.80	+17.76	+10.58	+10.30	+5.50	+3.93	+4.93	+2.09	-2.53	-4.37	-4.61	-3.56	-3.56	-6.14
November	-4.55	-5.19	-1.29	-2.13	-1.67	-6.03	-7.14	+4.50	-0.16	+5.86	+3.46	+12.84	+18.50	+14.54	+4.40	+3.54	-4.26	-3.08	-4.87	-5.49	-5.17	-6.57	-4.45	-5.49
December	-1.38	-3.70	-5.69	-2.11	-0.58	-1.38	-0.06	+1.59	+2.25	+8.86	+7.06	+7.83	+6.35	+11.38	+4.56	-8.81	+2.73	-3.56	-9.60	-2.06	-3.41	-4.23	-2.24	-3.80
Year	-6.94	-6.32	-4.71	-5.80	-5.84	-7.26	-7.51	-4.99	-2.63	+2.76	+6.20	+8.21	+9.12	+8.56	+11.27	+8.73	+8.26	+3.73	+0.40	-1.15	-2.72	-2.73	-3.46	-5.17
Winter	-2.67	-3.39	-2.38	-3.50	-3.93	-6.91	-8.45	-3.76	-5.12	-0.04	+1.78	+7.95	+7.64	+3.45	+7.57	+4.52	+6.11	-0.23	-0.59	+0.70	+0.66	+0.11	+0.03	+0.50
Equinox	-9.21	-7.40	-4.68	-7.15	-8.73	-7.92	-3.94	-5.85	-1.55	+7.01	+11.84	+12.78	+10.40	+7.65	+11.62	+9.27	+7.68	+3.34	-1.34	-3.55	-4.77	-5.03	-3.81	-6.68
Summer	-8.94	-8.18	-7.07	-6.74	-4.87	-6.94	-10.14	-5.36	-1.22	+1.31	+4.97	+3.90	+9.32	+14.58	+14.61	+12.40	+11.00	+8.06	+3.14	-0.59	-4.05	-3.28	-6.59	-9.33

VERTICAL FORCE (gammas) (Disturbed Days)

Table 219. Meanook 1938.

January	-109.0	+23.6	+62.8	+50.0	+9.1	-31.9	-35.3	-57.7	-68.4	-8.6	+45.4	+39.4	-139.8	-40.0	+79.0	+103.6	+31.7	-35.9	+76.1	+45.9	+25.6	-15.0	-46.8	-4.8
February	+45.8	+51.6	+64.2	+66.2	+82.0	-69.6	-51.0	-14.4	+7.8	-16.4	+5.8	-74.0	-57.2	-93.2	-42.8	-74.0	-20.8	-38.8	+14.2	+50.2	+37.6	+45.4	+38.2	+42.6
March	+27.6	+16.9	+14.7	+20.0	+19.0	-45.7	-48.1	+30.2	+41.6	-88.3	-68.1	-0.4	+5.4	-24.5	-39.5	-59.2	-34.8	-11.1	+13.5	+27.6	+41.6	+57.3	+62.7	+41.0
April	+45.2	+42.1	+20.1	+30.0	-9.5	+7.9	-40.4	-77.7	+55.6	+22.2	+38.5	+65.0	-153.2	-109.1	-99.8	-33.2	-13.1	+6.2	+8.7	+14.7	+26.2	+48.5	+50.1	+54.0
May	+24.5	+60.4	+59.4	+42.7	+37.5	-18.0	-43.0	+35.5	-54.7	-40.2	+6.0	-11.1	-20.1	-56.2	-95.2	-107.9	-33.3	+12.8	+13.4	+60.3	+83.7	+30.4	+44.0	-31.7
June	+41.5	+37.7	+34.8	+14.4	-2.0	-39.1	-8.9	-36.5	-64.0	-63.8	-55.9	-8.1	-2.9	+5.5	+1.0	+1.6	+9.7	+5.1	+9.9	+13.4	+31.4	+27.4	+18.3	+29.5
July	+49.6	+53.3	+57.5	+41.4	+41.2	+5.6	-11.9	+10.6	-40.0	+18.3	+26.7	-48.4	-71.4	-110.9	-88.7	-68.2	-49.2	-33.1	-10.9	+32.2	+45.8	+58.9	+58.3	+32.4
August	+34.2	+34.9	+26.6	+25.7	+11.5	-8.6	-46.5	+16.8	-30.2	-105.1	-39.6	+63.1	+55.1	+32.4	+7.5	-47.0	-35.6	-31.1	-21.8	-19.5	-1.5	+8.8	+30.7	+40.0
September	+69.1	+19.7	-47.0	-52.2	-4.7	+2.3	+11.6	-27.4	-85.9	+9.9	+11.8	-47.0	-37.0	-48.2	-79.9	-73.3	-59.6	-9.2	+33.1	+61.5	+81.2	+90.0	+95.9	+84.7
October	+53.8	+61.7	+36.6	-40.7	-75.8	-55.7	-43.7	-14.0	-43.5	-14.2	-82.1	-55.0	-39.8	-35.9	-10.2	+28.7	+41.0	+6.9	+11.9	+39.2	+54.9	+63.4	+59.7	+52.8
November	+53.8	+52.8	+63.3	+68.7	+51.2	-4.6	-9.4	-17.1	-17.1	-27.5	-44.6	-76.8	-79.6	-69.8	-90.1	-60.7	-27.7	+2.6	+14.0	+27.0	+44.7	+53.5	+42.2	+52.0
December	+57.0	+36.9	+59.7	+61.6	+49.4	+40.1	+38.5	+20.8	-9.0	-4.9	-18.3	-78.2	-102.4	-115.5	-80.9	-125.8	-50.0	-24.3	+5.9	+40.8	+38.8	+57.9	+46.7	+54.4
Year	+32.7	+41.0	+37.7	+27.3	+17.4	-18.1	-24.0	-10.9	-25.6	-26.6	-14.5	-19.3	-53.6	-55.4	-45.0	-42.9	-20.1	-12.5	+14.0	+32.8	+42.5	+43.9	+41.6	+37.2
Winter	+11.9	+41.2	+62.5	+61.6	+47.9	-16.5	-14.3	-17.1	-21.7	-14.4	-2.9	-47.5	-94.8	-79.6	-33.7	-39.2	-16.7	-24.1	+27.6	+41.0	+36.7	+35.4	+20.0	+36.0
Equinox	+48.9	+35.1	+6.1	-10.7	-17.8	-22.8	-30.2	-22.2	-8.0	-17.6	-25.0	-9.4	-56.2	-54.4	-57.4	-34.2	-16.6	-1.8	+16.8	+35.8	+51.0	+64.8	+66.9	+58.1
Summer	+37.4	+46.6	+44.6	+31.0	+22.0	-15.0	-27.6	+6.6	-47.2	-47.7	-15.7	-1.1	-9.8	-32.3	-43.8	-55.4	-27.1	-11.6	-2.4	+21.6	+39.8	+31.4	+37.8	+17.6

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

HORIZONTAL FORCE (gammas) (All Days)

Table 220. Meanook 1939.

Month / Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+4.4	+9.2	+12.0	+11.9	+7.4	+4.4	+2.2	-4.3	-9.8	-6.6	-4.0	-7.5	-3.1	+6.8	+8.0	+9.7	+6.7	-2.7	-10.7	-13.0	-11.8	-9.5	-3.2	+2.5
February	+21.7	+29.1	+39.8	+37.2	+37.2	+25.4	+18.4	0.0	+7.8	-22.3	-44.8	-40.0	-48.9	-34.5	-17.7	-1.3	-15.3	-13.5	-9.9	-13.7	-6.6	+11.2	+17.3	+21.5
March	+32.4	+37.4	+48.1	+53.8	+59.3	+51.4	+28.3	+12.3	-49.9	-96.9	-81.5	-65.9	-22.9	-14.5	-10.1	-12.3	-9.4	-11.5	-13.5	-7.1	+6.6	+16.4	+24.2	+25.2
April	+71.6	+61.6	+68.3	+57.9	+49.4	+34.6	+3.1	-19.0	-71.6	-57.7	-49.1	-63.2	-66.4	-51.8	-49.2	-55.0	-25.4	-16.5	-8.5	+13.0	+18.4	+42.8	+44.2	+69.1
May	+97.5	+99.2	+128.4	+108.9	+75.0	+23.7	-25.1	-62.4	-81.1	-83.2	-92.8	-62.9	-61.6	-61.0	-53.8	-37.4	-21.2	-15.6	-17.5	-11.2	+6.1	+21.0	+48.3	+78.9
June	+47.3	+64.5	+61.7	+62.4	+45.6	+12.8	+3.5	-46.6	-72.6	-78.0	-46.0	-46.1	-34.5	-22.7	-6.0	-4.3	-4.3	-5.3	-7.6	-4.6	+1.8	+13.7	+25.9	+40.4
July	+56.2	+59.4	+61.3	+67.4	+57.5	+25.1	-5.8	-24.6	-44.3	-52.0	-51.2	-73.3	-93.9	-65.5	-39.4	-4.8	+6.1	+8.5	+6.2	+4.1	+9.5	+16.5	+33.4	+43.6
August	+47.2	+56.0	+59.8	+60.4	+31.7	+11.2	-2.9	-12.5	-21.6	-38.3	-44.7	-43.7	-51.8	-35.6	-19.0	-27.3	-16.0	-23.7	-23.3	-10.7	+2.8	+15.0	+40.1	+46.4
September	+21.2	+23.8	+42.3	+47.8	+40.4	+18.1	+5.6	+7.0	-11.7	-31.0	-30.0	-29.2	-10.5	-12.4	-3.7	-10.1	-23.4	-28.0	-28.3	-18.7	-4.1	+4.3	+13.7	+17.8
October	+32.8	+44.6	+44.6	+55.4	+46.2	+20.1	-10.6	-20.5	-34.3	-56.3	-64.3	-51.9	-42.6	-32.5	-3.7	-2.3	-5.3	-4.3	-3.9	+1.9	+1.8	+14.8	+34.9	+34.3
November	+13.5	+16.6	+18.9	+20.5	+22.4	+15.7	+6.5	-11.3	-12.5	-22.1	-24.2	-37.7	-8.6	+1.8	+6.8	+13.2	+6.3	-4.6	-10.7	-10.5	-7.5	-4.5	+3.2	+6.5
December	+15.2	+21.6	+23.3	+21.9	+26.8	+23.3	+6.6	-10.8	-31.6	-23.7	-26.6	-12.8	-6.3	-13.2	-8.6	+1.2	-2.4	-4.9	-3.6	-4.1	-4.7	-1.5	+5.0	+9.9
Year	+38.4	+43.6	+50.7	+50.5	+41 5	+22.1	+2.5	-16.0	-36.1	-47.4	-46.6	-44.5	-37.6	-27.9	-16.4	-10.9	-8.6	-10.3	-11.0	-6.2	+1.0	+11.7	+23.9	+33.2
Winter	+13.7	+19.1	+23.5	+22.9	+23.4	+17.2	+8.4	-6.6	-11.5	-18.7	-24.9	-24.5	-16.7	-9.8	-2.9	+5.7	-1.2	-6.4	-8.7	-10.3	-7.6	-1.1	+5.6	+10.6
Equinox	+39.5	+41.8	+50.8	+53.7	+48.8	+31.0	+6.6	-5.0	-41.9	-60.5	-56.2	-52.6	-35.6	-27.8	-16.7	-19.9	-15.9	-15.1	-13.6	-3.7	+5.7	+19.6	+29.2	+36.6
Summer	+62.0	+69.8	+77.8	+74.8	+52.4	+18.2	-7.6	-36.5	-54.9	-62.9	-58.7	-56.5	-60.4	-46.2	-29.6	-18.4	-8.8	-9.3	-10.6	-5.6	+5.0	+16.6	+36.9	+52.3

DECLINATION (minutes) (All Days)

Table 221. Meanook 1939.

Month / Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	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	-2.40	-1.23	-0.40	+0.19	+0.25	+0.30	-0.67	-0.41	-1.00	+0.28	+0.97	+0.73	+1.63	+1.66	+2.51	+3.11	+3.20	+2.73	+1.33	-0.79	-2.60	-3.50	-3.20	-2.76
February	-3.35	-3.65	-3.03	-1.87	-1.07	-0.76	-0.36	-0.88	+0.42	+1.15	+1.36	+4.46	+6.49	+3.90	+1.83	+2.89	+3.16	+1.71	+0.59	-0.80	-3.25	-2.45	-3.27	-3.16
March	-5.79	-4.53	-2.87	-1.96	-2.78	-2.48	-1.99	-0.71	+1.39	+4.67	+5.66	+4.41	+3.85	+2.86	+3.51	+5.14	+5.28	+3.61	+1.53	-0.73	-3.00	-4.11	-5.03	-5.91
April	-6.75	-6.21	-5.36	-3.47	-2.69	-2.16	-3.46	-4.30	-1.95	-0.64	+0.49	+1.19	+5.75	+7.86	+7.62	+8.46	+7.28	+6.37	+4.58	+1.34	+1.90	-2.96	-6.94	-5.84
May	-6.50	-6.20	-8.12	-5.91	-5.95	-5.93	-4.06	-2.48	+1.38	+1.63	+0.42	+1.83	+5.74	+8.76	+13.03	+13.19	+10.53	+6.74	+2.40	-1.99	-3.49	-4.34	-4.90	-5.88
June	-6.54	-5.82	-3.56	-3.60	-3.27	-1.51	-3.01	-0.15	+0.96	-0.53	-0.73	+1.52	+4.47	+8.96	+10.20	+10.26	+9.31	+7.75	+2.85	-1.75	-5.10	-6.40	-7.42	-6.87
July	-6.38	-5.67	-3.67	-3.13	-2.57	-2.05	-2.48	-1.38	-3.08	-1.77	+0.69	+1.88	+4.87	+10.83	+12.20	+12.09	+10.98	+6.52	+1.28	-3.46	-5.85	-6.90	-6.48	-6.53
August	-3.19	-3.02	-3.91	-4.38	-4.44	-5.67	-3.85	-3.87	-3.19	-1.59	+1.15	+2.91	+6.08	+11.20	+13.38	+13.90	+9.83	+5.21	+0.27	-4.43	-6.70	-6.25	-4.98	-4.45
September	-4.65	-4.69	-5.87	-4.25	-3.89	-3.38	-3.80	-1.98	-0.77	+1.38	+4.35	+5.49	+7.23	+8.48	+9.04	+9.27	+6.96	+4.16	+0.57	-2.24	-5.15	-5.68	-5.48	-4.96
October	-2.80	-2.76	-2.08	-2.02	-3.78	-2.36	-4.11	-1.82	+1.06	+4.75	+5.47	+5.36	+6.45	+4.17	+3.58	+5.16	+4.17	+2.07	-1.43	-3.20	-4.26	-4.70	-3.46	-3.34
November	-2.97	-2.07	-1.36	-0.59	-0.13	0.00	-0.17	+0.93	-0.68	-0.12	+1.42	+4.50	+3.55	+3.01	+2.72	+3.30	+3.83	+2.05	-0.70	-2.92	-3.30	-3.33	-3.55	-3.24
December	-1.66	-1.37	+0.02	+1.05	+1.61	+1.76	+0.14	-1.41	-0.93	-0.26	+2.55	+3.36	+3.22	+2.40	+2.41	+1.84	+0.81	-0.69	-1.44	-2.57	-3.12	-2.83	-2.29	-2.45
Year	-4.42	-3.94	-3.35	-2.49	-2.39	-2.02	-2.32	-1.54	-0.53	+0.70	+1.98	+3.14	+4.94	+6.19	+6.84	+7.38	+6.28	+4.02	+0.98	-1.96	-3.66	-4.45	-4.75	-4.61
Winter	-2.60	-2.08	-1.19	-0.30	+0.16	+0.32	-0.26	-0.44	-0.55	+0.12	+1.58	+3.26	+3.72	+2.74	+2.37	+2.78	+2.75	+1.45	-0.06	-1.77	-3.07	-3.03	-3.08	-2.90
Equinox	-5.00	-4.55	-4.04	-2.92	-3.28	-2.60	-3.34	-2.20	-0.07	+2.54	+3.99	+4.11	+5.82	+5.84	+5.94	+7.01	+5.92	+4.05	+1.31	-1.21	-2.63	-4.36	-5.23	-5.01
Summer	-5.65	-5.18	-4.82	-4.26	-4.06	-3.79	-3.35	-1.97	-0.98	-0.56	+0.38	+2.04	+5.29	+9.94	+12.20	+12.36	+10.16	+6.56	+1.70	-2.91	-5.28	-5.97	-5.94	-5.93

VERTICAL FORCE (gammas) (All Days)

Table 222. Meanook 1939.

Month / Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	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	+9.4	+12.8	+17.1	+14.2	+14.5	+10.0	+3.3	-5.8	-11.4	-16.8	-12.8	-20.5	-19.7	-9.7	-8.7	-7.7	-3.2	-0.7	+1.7	+3.3	+5.8	+7.5	+8.1	+9.4
February	+9.6	+8.8	+19.7	+25.6	+25.6	+20.5	+16.4	+7.5	+12.4	+14.3	-27.7	-34.6	-36.3	-39.9	-31.0	-21.0	-14.5	-8.9	-4.6	+3.4	+11.0	+13.5	+17.0	+13.6
March	+36.1	+36.1	+36.7	+31.2	+34.0	+19.4	+6.2	-1.4	-43.0	-82.2	-73.2	-52.2	-40.6	-32.5	-17.1	-11.7	-4.7	-2.4	+7.8	+22.0	+29.0	+32.4	+33.5	+37.1
April	+36.8	+33.5	+46.7	+37.2	+29.1	-0.2	-18.2	-33.3	-49.0	-36.8	-41.1	-51.1	-46.8	-39.2	-33.8	-28.3	-12.7	+6.5	+20.9	+36.7	+28.8	+28.3	+41.2	+45.0
May	+52.9	+43.4	+40.0	+32.5	+17.7	-5.2	-24.2	-24.2	-55.0	-36.2	-34.1	-35.8	-43.2	-32.6	-27.0	-29.8	-14.2	-4.3	+2.2	+10.6	+26.4	+37.8	+47.4	+53.1
June	+28.3	+47.0	+49.1	+34.6	+21.4	+13.4	-0.9	-5.8	-26.8	-37.9	-28.1	-32.0	-29.4	-27.4	-20.1	-13.2	-8.0	-6.7	-6.4	-3.9	-1.1	+9.2	+20.1	+27.9
July	+34.3	+31.8	+30.1	+24.4	+16.0	-15.8	-19.3	-17.3	-20.5	-21.6	-9.8	-9.3	-6.5	-40.4	-33.6	-20.8	-11.2	-5.7	-0.7	+3.3	+9.9	+21.0	+29.6	+32.7
August	+20.2	+16.2	+9.9	-12.3	-7.5	-4.1	-10.0	-19.2	-7.8	-16.0	-16.3	-10.1	-9.7	-22.1	-0.4	-1.8	+2.5	-2.7	-0.8	+7.7	+14.1	+21.3	+24.2	+24.0
September	+23.4	+24.2	+15.0	+8.0	+8.1	-3.8	-14.1	-19.6	-15.3	-8.9	-23.3	-29.7	-22.7	-22.1	-19.2	-10.8	-9.1	-1.5	+7.1	+14.9	+19.8	+24.0	+27.7	+26.9
October	+39.3	+32.0	+19.0	-2.2	-3.4	-12.9	-18.1	-11.1	-5.8	-16.9	-45.6	-49.0	-34.2	-29.2	-13.6	-5.1	+0.5	+6.8	+15.9	+24.4	+28.3	+26.3	+25.4	+30.3
November	+17.1	+21.6	+20.6	+15.3	+16.1	+5.1	+3.1	-7.3	-9.4	-25.7	-19.5	-26.0	-19.8	-17.0	-10.1	-3.9	-3.2	-3.5	-1.1	+2.6	+7.4	+9.9	+13.0	+15.8
December	+22.3	+22.8	+19.6	+18.4	+21.7	+10.3	+7.7	+3.0	-14.3	-26.6	-28.6	-23.8	-21.4	-25.0	-22.4	-14.3	-9.0	-5.7	+0.7	+5.3	+9.5	+13.6	+17.6	+19.4
Year	+27.5	+27.5	+27.0	+18.9	+16.1	+3.1	-5.7	-11.2	-20.5	-25.9	-30.0	-31.2	-27.5	-28.1	-19.7	-14.0	-7.2	-2.4	+3.6	+10.8	+15.7	+20.4	+25.4	+27.9
Winter	+14.6	+16.5	+19.2	+18.4	+19.5	+11.5	+7.6	-0.6	-5.7	-13.7	-22.2	-26.2	-24.3	-22.9	-18.0	-11.7	-7.5	-4.7	-0.8	+3.6	+8.4	+11.1	+13.9	+14.6
Equinox	+33.9	+31.4	+29.4	+18.6	+17.0	+0.6	-11.0	-16.4	-28.3	-36.2	-45.8	-45.5	-36.1	-30.8	-20.9	-14.0	-6.5	+2.4	+12.9	+24.5	+26.5	+27.8	+32.0	+34.8
Summer	+33.9	+34.6	+32.3	+19.8	+11.9	-2.9	-13.6	-16.6	-27.5	-27.9	-22.1	-21.8	-22.2	-30.6	-20.3	-16.4	-7.6	-4.8	-1.4	+4.4	+12.3	+22.3	+30.3	+34.2

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

HORIZONTAL FORCE (gammas) (Quiet Days)

Table 223. Meanook 1939.

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	+2.3	+4.3	+7.1	+7.0	+4.7	+2.4	+1.1	+1.5	+3.7	+4.6	+4.0	+3.2	+4.4	+6.6	+8.2	+8.5	+2.7	-7.5	-15.2	-18.0	-18.8	-13.3	-5.3	+2.1
February	-2.3	+2.1	+3.4	+3.4	+3.8	+4.4	+2.9	+2.7	+4.1	+3.9	+4.2	+3.4	+8.4	+1.0	+4.5	+5.5	+6.1	+1.5	-7.0	-10.4	-13.0	-13.8	-12.9	-6.9
March	+3.6	+7.9	+10.8	+14.7	+15.2	+17.1	+13.8	+10.1	-17.2	-30.3	-34.4	-22.5	+9.9	+17.0	+19.3	+17.8	+6.1	-4.2	-11.7	-14.2	-11.7	-9.8	-5.3	-1.0
April	+4.2	+9.9	+15.0	+14.3	+12.4	+14.9	-14.1	-11.4	+13.9	+13.6	+8.9	+4.2	+10.2	+14.1	+11.0	+1.9	-2.8	-13.1	-21.9	-26.2	-24.7	-18.6	-9.9	-5.6
May	+8.6	+3.0	+7.6	+9.8	+10.0	+9.8	+8.5	-1.9	-14.1	+2.5	+7.1	-9.9	-4.9	+4.1	+10.5	+11.7	+3.5	-7.7	-17.4	-13.2	-10.8	-8.8	-7.0	-0.2
June	+9.1	+18.4	+12.9	+7.0	+3.1	+4.2	+3.6	+1.7	+1.4	-17.5	-2.0	+2.5	+2.7	+13.8	+16.7	+8.8	-0.9	-11.2	-16.8	-20.5	-18.4	-14.3	-7.0	+3.5
July	+10.0	+13.2	+10.4	+7.4	+2.8	+3.6	+3.4	-0.4	+0.8	+1.8	+2.4	+2.4	+7.4	+3.2	+4.4	+4.0	-0.6	-6.2	-16.4	-16.0	-13.6	-9.4	-8.8	-4.8
August	+9.2	+7.8	+5.3	+3.5	+3.8	+4.6	+6.7	+5.9	+6.8	+8.1	+6.7	+11.2	+17.8	+22.5	+22.1	+16.4	+0.1	-12.9	-27.0	-34.6	-33.7	-25.5	-18.2	-6.4
September	+3.7	+0.7	+6.8	+8.8	+14.6	+9 7	+11.5	+17.1	+15.2	+10.8	+5.0	+13.7	+14.9	+13.8	+8.8	+0.6	-9.7	-23.1	-31.9	-35.0	-31.0	-20.4	-6.9	+1.9
October	+7.6	+6.8	+8.3	+9.1	+9.7	+10.9	+10.8	-0.8	-13.6	-18.3	-23.3	+6.5	+9.3	+10.3	+8.3	+8.4	0.0	-10.6	-12.3	-14.3	-10.3	-2.8	-0.8	0.0
November	+1.0	+4.7	+6.1	+6.8	+6.4	+3.5	+4.7	+2.6	+9.8	-0.9	+9.3	+7.8	+7.2	+6.9	+9.3	+6.0	+0.2	-11.3	-16.9	-17.4	-17.0	-13.7	-9.3	-5.0
December	+5.3	+6.8	+6.1	+5.6	+7.2	+6.9	+4.4	+3.1	-0.7	-2.6	-3.9	-2.2	+3.2	+5.3	+3.8	+1.3	-2.9	-7.8	-8.9	-10.0	-9.6	-7.1	-3.0	+0.3
Year	+5.2	+7.1	+8.3	+8.1	+7.8	+7.7	+4.8	+2.7	+0.8	-2.0	-1.3	+1.7	+7.6	+9.9	+10.5	+7.6	+0.1	-9.5	-16.9	-19.2	-17.7	-13.1	-7.8	-1.9
Winter	+1.6	+4.5	+5.7	+5.7	+5.5	+4.3	+3.3	+2.5	+4.2	+1.2	+3.4	+3.0	+5.8	+5.0	+6.4	+5.3	+1.5	-6.3	-12.0	-14.0	-14.6	-12.0	-7.6	-2.4
Equinox	+4.8	+6.3	+10.2	+11.7	+13.0	+13.2	+5.5	+4.4	-0.4	-6.0	-11.0	+0.5	+11.1	+13.8	+11.8	+7.2	-1.6	-12.8	-19.4	-22.4	-19.4	-12.9	-5.7	-1.2
Summer	+9.2	+10.6	+9.0	+6.9	+4.9	+5.6	+5.6	+1.3	-1.3	-1.3	+3.6	+1.6	+5.8	+10.9	+13.4	+10.2	+0.5	-9.5	-19.4	-21.1	-19.1	-14.5	-10.2	-2.0

DECLINATION (minutes) (Quiet Days)

Table 224. Meanook 1939.

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	-1.87	-1.12	-0.40	+0.07	-0.07	-0.44	-0.42	-0.41	-1.25	-0.84	-0.80	-0.75	-0.01	+0.40	+1.36	+2.55	+3.93	+4.36	+3.26	+1.43	-1.43	-2.54	-2.78	-2.29
February	-2.31	-1.78	-1.15	-0.68	+0.01	-0.90	-0.98	-0.05	+0.36	+0.45	+0.38	+0.21	+1.53	+0.42	-0.31	+1.04	+5.09	+4.70	+2.22	+0.35	-1.60	-2.17	-2.24	-2.53
March	-4.63	-3.90	-3.25	-2.31	-0.80	-1.27	-1.22	-1.49	+0.09	+4.60	+4.83	+1.62	+1.32	+1.69	+2.56	+4.33	+5.67	+4.80	+2.71	-0.20	-2.59	-3.85	-4.10	-4.61
April	-5.42	-3.87	-2.63	-2.02	-1.89	-1.34	+3.18	+0.17	-0.52	-0.77	-1.03	-0.16	+1.94	+3.65	+5.49	+6.98	+8.27	+6.72	+4.54	-0.43	-3.52	-5.27	-6.03	-5.96
May	-5.18	-3.76	-2.68	-1.65	-0.89	-1.87	-0.95	-1.79	-0.05	-1.10	-0.76	+0.24	+1.40	+6.10	+9.12	+10.19	+9.45	+7.07	+2.69	-1.55	-4.85	-6.24	-6.50	-6.46
June	-5.40	-4.06	-1.44	-1.19	-2.27	-1.55	-1.18	+0.34	-0.02	-3.03	-1.83	-0.05	+4.15	+8.55	+9.83	+9.76	+8.54	+5.66	+2.17	-1.99	-4.69	-6.74	-7.04	-6.52
July	-3.98	-2.67	-0.57	-0.98	+0.76	-1.73	-2.29	-2.42	-1.90	-1.87	-0.51	+1.28	+4.32	+6.57	+8.01	+8.44	+7.98	+5.47	+1.61	-3.14	-5.22	-6.17	-6.17	-4.72
August	-4.04	-2.76	-2.48	-2.74	-2.52	-2.54	-2.53	-2.83	-0.69	-0.65	-0.59	-0.51	+4.27	+7.61	+10.13	+11.41	+11.59	+8.17	+2.74	-2.76	-6.72	-8.20	-7.58	-5.74
September	-4.12	-3.59	-4.05	-4.12	-3.51	-3.80	-1.66	-0.57	+0.28	+1.85	+3.11	+2.02	+2.92	+4.57	+6.47	+7.78	+7.75	+6.38	+4.70	-2.13	-5.34	-5.71	-5.01	-4.18
October	-2.76	-2.12	-1.02	-1.48	-0.92	+0.22	-1.31	+0.87	+1.15	+0.61	+1.07	+1.65	+2.03	+3.17	+3.33	+5.45	+5.29	+2.35	-1.40	-3.44	-4.14	-3.60	-2.66	-2.42
November	-2.17	-1.54	-1.38	-1.45	-1.52	-1.43	-1.27	-1.14	-0.81	+0.26	+0.86	+1.11	+1.57	+1.34	+2.34	+3.87	+5.02	+4.01	+1.57	-0.64	-2.03	-1.96	-2.32	-2.39
December	-2.19	-1.73	-1.49	-1.16	-0.14	-0.58	-0.60	-0.60	-0.32	-0.77	+0.03	+0.95	+1.03	+1.33	+1.87	+2.54	+3.44	+3.00	+1.82	+0.40	-0.80	-2.05	-2.03	-2.01
Year	-3.67	-2.74	-1.88	-1.64	-1.15	-1.44	-0.94	-0.83	-0.30	-0.10	+0.40	+0.63	+2.21	+3.78	+5.02	+6.20	+6.83	+5.22	+2.39	-1.18	-3.58	-4.54	-4.53	-4.15
Winter	-2.14	-1.54	-1.10	-0.80	-0.43	-0.84	-0.82	-0.55	-0.50	-0.22	+0.12	+0.38	+1.03	+0.87	+1.32	+2.50	+4.37	+4.02	+2.22	+0.38	-1.46	-2.18	-2.34	-2.30
Equinox	-4.23	-3.37	-2.74	-2.48	-1.78	-1.55	-0.25	-0.26	+0.25	+1.57	+2.00	+1.28	+2.05	+3.27	+4.46	+6.14	+6.74	+5.06	+2.64	-1.55	-3.90	-4.61	-4.45	-4.29
Summer	-4.65	-3.31	-1.79	-1.64	-1.23	-1.92	-1.74	-1.68	-0.66	-1.66	-0.92	+0.24	+3.54	+7.21	+9.27	+9.95	+9.39	+6.59	+2.30	-2.36	-5.38	-6.84	-6.82	-5.86

VERTICAL FORCE (gammas) (Quiet Days)

Table 225. Meanook 1939.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-0.3	-0.3	+2.8	+1.8	+1.0	+1.1	+1.9	+2.5	-1.4	-1.2	-2.2	-5.7	-8.7	-7.6	-4.0	-1.0	+2.5	+3.1	+3.5	+3.6	+2.8	+3.4	+2.3	+0.9
February	+6.0	+3.8	+4.8	+3.4	+2.9	+2.3	+4.9	+5.7	+0.6	-0.6	-1.8	-4.4	-6.0	-9.4	-8.8	-4.2	-1.3	-2.9	-5.1	-2.9	+0.6	+3.0	+4.6	+4.8
March	+18.8	+17.6	+18.0	+19.0	+16.0	+13.6	+10.8	+7.2	-35.2	-69.6	-55.6	-28.2	-15.4	-2.0	+3.6	+5.4	+4.6	+3.6	+5.0	+7.4	+9.4	+11.4	+14.4	+19.8
April	+3.6	+5.1	+16.5	+13.4	+13.6	+3.3	-6.3	-31.6	-6.8	-3.1	-9.9	-4.6	-4.0	-1.7	-1.1	-5.2	-3.2	+0.1	+2.5	+1.2	+0.8	+3.5	+6.9	+6.8
May	+22.4	+15.9	+16.5	+19.2	+18.3	+21.0	+7.2	-23.3	-35.6	-13.9	-8.3	-25.0	-22.8	-18.3	-11.9	-5.2	-3.9	-3.0	-2.6	+0.9	+5.2	+10.5	+17.9	+20.2
June	+18.0	+23.9	+25.6	+13.0	+9.3	+9.8	+11.2	+3.1	-8.8	-30.8	-18.9	-13.6	-11.6	-8.9	-5.2	-5.2	-6.3	-9.6	-10.6	-7.7	-1.8	+3.2	+8.1	+14.6
July	+12.8	+16.9	+20.1	+13.2	+4.4	-2.9	-0.2	-4.5	-5.3	-5.4	-2.6	-4.3	-3.9	-8.6	-9.2	-9.3	-5.5	-7.0	-8.3	-6.8	-2.6	+2.7	+6.7	+10.2
August	+12.0	+10.6	+6.1	+2.5	+1.2	+1.2	+1.0	-3.2	-4.5	-2.5	-7.0	-1.6	+3.0	+3.6	+2.7	+0.7	-4.2	-8.2	-9.6	-8.6	-6.3	-0.1	+3.8	+8.4
September	+8.2	+5.2	+5.2	+8.6	+9.4	-13.6	-4.7	+5.9	+5.7	-3.7	-12.1	-8.1	-7.9	-4.9	-4.9	-4.3	-3.7	-3.7	-2.6	0.0	+2.0	+4.8	+8.2	+10.0
October	+11.8	+10.0	+9.0	+8.2	+11.8	+10.0	-1.1	-11.5	-16.5	-25.8	-39.1	-13.9	-7.5	-5.3	+4.5	+6.1	+3.6	+1.8	+2.4	+4.6	+7.0	+10.2	+10.6	+9.4
November	+5.5	+3.9	+2.9	+2.8	+3.2	+2.2	+1.5	-2.5	-19.3	-13.2	-4.6	-0.4	-1.6	-2.4	+0.6	+1.7	+1.9	-0.3	+1.0	+0.8	+3.0	+3.7	+4.1	+4.5
December	+3.4	+3.5	+5.0	+5.4	+2.7	+2.0	+3.1	+1.0	-2.7	-4.9	-6.0	-6.1	-3.5	-1.8	-0.5	-0.5	-0.2	-0.9	-0.8	-0.3	-0.6	0.0	+0.7	+1.2
Year	+10.2	+9.7	+11.1	+9.2	+7.8	+4.2	+2.4	-4.3	-10.8	-14.6	-14.0	-9.7	-7.5	-5.6	-2.9	-1.8	-1.3	-2.3	-2.1	-0.7	+1.6	+4.7	+7.3	+9.2
Winter	+3.6	+2.7	+3.9	+3.4	+2.4	+1.9	+2.8	+1.7	-5.7	-5.0	-3.6	-4.2	-5.0	-5.3	-3.2	-1.0	+0.7	-0.2	-0.4	+0.3	+1.4	+2.5	+2.9	+2.8
Equinox	+10.6	+9.5	+12.2	+12.3	+12.7	+3.3	-0.3	-7.5	-13.2	-25.6	-29.2	-13.7	-8.7	-3.5	+0.5	+0.5	+0.3	+0.4	+1.8	+3.3	+4.8	+7.5	+10.0	+11.5
Summer	+16.3	+16.8	+17.1	+12.0	+8.3	+7.3	+4.8	-7.0	-13.6	-13.2	-9.2	-11.1	-8.8	-8.0	-5.9	-4.8	-5.0	-7.0	-7.8	-5.6	-1.4	+4.1	+9.1	+13.4

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

HORIZONTAL FORCE (gammas) (Distrubed Days)

Table 226. Meanook 1939.

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	+9.7	+13.0	+22.2	+23.5	+17.3	+7.6	-3.8	-35.1	-41.5	-12.8	-11.2	-44.9	-2.5	+9.0	+9.2	+21.5	+17.7	+4.4	-11.2	-5.5	+0.9	+1.6	+2.2	+7.9
February	+103.0	+112.3	+160.3	+130.8	+123.3	+75.3	+32.8	+7.6	+27.1	-109.8	-159.0	-137.7	-238.7	-187.6	-100.2	-31.7	-93.4	-49.4	-9.9	-20.7	+16.4	+101.5	+124.1	+123.4
March	+109.0	+114.7	+119.9	+89.4	+105.8	+112.7	+45.1	-2.6	-155.0	-222.5	-136.5	-195.2	-103.0	-49.9	-57.3	-63.2	-52.4	-41.7	-21.9	+18.8	+76.0	+99.9	+106.7	+103.0
April	+168.0	+141.1	+162.0	+160.3	+100.3	+102.8	-14.1	-64.4	-77.0	-79.7	-155.4	-264.5	-216.5	-157.4	-225.1	-236.6	-74.0	+1.3	+10.2	+119.1	+106.5	+187.6	+127.9	+177.2
May	+225.3	+234.1	+253.6	+189.6	+130.3	+120.1	-81.2	-129.4	-32.1	-107.5	-270.4	-207.2	-194.0	-296.2	-255.3	-87.1	-25.6	+1.0	+7.7	+11.7	+47.4	+97.8	+154.5	+213.3
June	+117.3	+161.3	+158.3	+172.0	+81.6	+22.2	-19.6	-165.3	-243.3	-284.5	-106.1	-138.5	-145.7	-137.1	-41.5	-16.5	+19.5	+50.0	+52.0	+66.4	+82.4	+92.5	+107.7	+114.5
July	+165.0	+152.7	+185.0	+243.6	+186.5	+49.2	+29.1	+42.3	-20.2	-100.5	-173.2	-317.5	-405.9	-380.6	-278.9	-91.0	-13.1	+58.1	+80.6	+85.7	+96.0	+113.0	+150.1	+143.4
August	+201.1	+247.2	+259.6	+320.5	+156.3	+18.2	-54.6	-37.5	-100.3	-169.2	-158.2	-275.5	-313.5	-240.2	-161.4	-212.5	-66.1	-55.8	-29.4	+37.5	+93.5	+108.4	+199.8	+232.9
September	+90.0	+98.1	+69.7	+163.1	+126.8	+21.6	-36.6	+11.9	-77.9	-152.3	-163.0	-161.2	-79.6	-86.0	-22.1	-48.3	-54.3	-25.2	-14.8	+43.6	+85.1	+67.9	+75.5	+68.4
October	+74.7	+106.2	+74.5	+79.0	+99.7	+46.8	-8.3	-2.4	-76.3	-158.8	-99.5	-181.0	-141.2	-54.7	-3.0	+15.7	-2.8	-11.3	-11.0	+22.3	-7.6	+23.1	+115.6	+100.3
November	+53.4	+60.8	+69.8	+81.9	+93.7	+58.1	+0.4	-77.2	-60.8	-105.5	-136.7	-188.5	-62.5	-29.5	-6.7	+39.0	+25.4	+13.4	+12.7	+20.1	+21.5	+18.2	+43.6	+56.0
December	+50.4	+71.5	+84.2	+74.1	+97.9	+83.0	-14.3	-72.6	-149.6	-63.9	-96.2	-38.5	-31.5	-61.4	-63.3	-12.8	-6.0	-0.9	+14.4	+18.9	+15.9	+18.4	+39.1	+42.2
Year	+113.9	+126.1	+134.9	+144.0	+110.0	+59.8	-10.4	-43.7	-83.9	-130.6	-138.8	-179.2	-161.2	-139.3	-100.5	-60.3	-27.1	-4.7	+6.6	+34.8	+52.8	+77.5	+103.9	+115.2
Winter	+54.1	+64.4	+84.1	+77.6	+83.0	+56.0	+3.8	-44.3	-56.2	-73.0	-100.8	-102.4	-83.8	-67.4	-40.2	+4.0	-14.1	-8.1	+1.5	+3.2	+13.7	+34.9	+52.2	+57.4
Equinox	+110.4	+115.0	+106.5	+123.0	+108.2	+71.0	-3.5	-14.4	-96.6	-153.3	-138.6	-200.5	-135.1	-87.0	-76.9	-83.1	-45.9	-19.2	-9.4	+51.0	+65.0	+94.6	+106.4	+112.2
Summer	+177.2	+198.8	+214.1	+231.4	+138.7	+52.4	-31.6	-72.5	-99.0	-165.4	-177.0	-234.7	-264.8	-263.5	-184.3	-101.8	-21.3	+13.3	+27.7	+50.3	+79.8	+102.9	+153.0	+176.0

DECLINATION (minutes) (Disturbed Days)

Table 227. Meanook 1939.

January	-2.32	-1.70	-0.74	+0.91	+0.97	+0.35	-0.12	+0.50	-0.18	+3.71	+3.27	+0.21	+2.71	+0.51	+2.39	+3.58	+2.66	+1.94	-0.57	-3.59	-4.39	-4.28	-3.68	-2.26
February	-7.05	-9.10	-6.44	-6.19	-6.72	-2.82	-1.93	-1.55	-1.20	+1.01	+0.19	+10.92	+20.24	+12.71	+4.17	+4.84	-0.07	+0.55	+2.76	+3.10	-6.73	-0.66	-4.44	-5.61
March	-12.19	-7.78	-4.13	-4.56	-5.49	-5.74	-4.11	-1.80	+0.93	+7.46	+11.11	+2.98	+7.82	+4.77	+5.76	+8.03	+10.62	+5.37	+1.12	+2.29	-1.12	-4.41	-6.64	-10.35
April	-7.57	-7.97	-10.64	-12.08	-14.66	-9.91	-22.29	-27.08	-11.94	-7.86	-3.39	-3.17	+19.67	+17.15	+8.68	+15.84	+7.96	+6.07	+13.95	+17.46	+29.30	+11.30	-8.41	-0.49
May	-6.68	-8.17	-14.83	-7.60	-8.51	-14.12	-12.36	-4.97	-1.56	+3.93	+4.73	+5.22	+10.30	+4.95	+22.67	+18.24	+12.55	+4.12	+2.98	-2.21	-2.82	-0.67	-0.91	-4.24
June	-9.52	-8.59	-5.19	-7.98	-8.75	-6.10	-6.36	+6.29	+7.48	+0.85	-0.41	+4.18	+8.78	+15.39	+14.77	+11.42	+7.61	+5.24	+1.04	-2.39	-6.54	-6.59	-7.13	-7.60
July	-10.71	-11.29	-7.40	-8.38	-9.43	-2.97	-6.74	-0.44	-5.03	+4.41	+9.98	+1.94	+5.32	+21.78	+18.81	+14.99	+14.58	+7.06	+0.87	-4.29	-7.64	-6.90	-8.15	-10.27
August	-3.88	-6.23	-10.74	-14.52	-14.91	-25.98	-8.17	-12.16	-14.87	-7.11	+4.42	+10.65	+13.71	+23.62	+26.05	+29.07	+11.96	+3.91	+2.30	-3.77	-3.46	+0.70	+2.11	-2.72
September	-7.62	-7.34	-19.17	-8.05	-6.19	-7.86	-9.10	-0.61	+0.57	+3.33	+14.60	+16.16	+19.92	+18.76	+12.09	+10.39	+3.43	-0.78	-2.94	-0.63	-6.59	-8.11	-7.56	-6.60
October	-3.69	-1.10	+1.75	+2.94	-13.17	-10.84	-22.17	-11.10	+5.93	+16.54	+9.17	+13.70	+11.96	+7.13	+4.20	+5.25	+4.46	+0.91	-2.34	-1.55	-2.22	-5.83	-3.76	-6.07
November	-7.28	-4.93	-1.74	-0.81	+0.58	+4.51	+0.21	+7.02	-4.67	+2.16	+6.37	+24.64	+11.68	+8.03	+2.38	+0.27	-1.50	-4.01	-6.71	-6.98	-6.23	-6.90	-8.13	-7.92
December	-1.75	-2.25	+1.48	+5.60	+3.83	+4.79	-1.15	-5.81	+0.26	-1.54	+9.83	+12.07	+8.95	+6.89	+3.84	-2.24	-6.37	-7.57	-5.95	-6.15	-4.82	-4.44	-3.61	-3.99
Year	-6.69	-6.37	-6.48	-5.06	-6.87	-6.39	-7.86	-4.31	-2.03	+2.24	+5.82	+8.29	+11.78	+11.81	+10.49	+9.97	+5.66	+1.90	+0.54	-0.72	-1.94	-3.05	-5.02	-5.68
Winter	-4.60	-4.50	-1.86	-0.12	-0.34	+1.71	-0.75	+0.04	-1.45	+1.34	+4.92	+11.96	+10.90	+7.04	+3.20	+1.61	-1.32	-2.27	-2.62	-3.40	-5.54	-4.07	-4.96	-4.94
Equinox	-7.77	-6.05	-8.05	-5.44	-9.88	-8.60	-14.42	-10.15	-1.13	+4.87	+7.87	+7.42	+14.92	+11.95	+7.68	+9.88	+6.62	+2.89	+2.45	+4.39	+4.84	-1.76	-6.59	-5.88
Summer	-7.70	-8.57	-9.54	-9.62	-10.40	-12.29	-8.41	-2.82	-3.50	+0.52	+4.68	+5.50	+9.53	+16.44	+20.58	+18.43	+11.68	+5.08	+1.80	-3.16	-5.12	-3.32	-3.52	-6.21

VERTICAL FORCE (gammas) (Disturbed Days)

Table 228. Meanook 1939.

January	+19.0	+27.5	+37.9	+36.0	+38.1	+19.2	+3.8	-25.7	-26.8	-21.0	-22.1	-55.8	-34.6	-14.1	-21.0	-11.4	-7.5	-2.0	+4.2	+5.1	+6.8	+11.7	+14.1	+19.8
February	-15.0	-18.0	+20.4	+43.5	+49.5	+25.1	+36.7	+58.9	+82.8	+112.0	-33.4	-43.4	-80.8	-133.8	-97.6	-70.4	-50.9	-19.1	-5.3	+18.9	+43.9	+33.2	+30.2	+13.2
March	+44.3	+54.6	+48.9	+38.0	+47.7	+21.2	+0.4	+4.7	-87.6	-82.5	-65.8	-70.9	-97.9	-105.2	-58.1	-25.2	+2.3	-7.2	+16.4	+62.5	+77.0	+77.9	+57.6	+47.7
April	+8.0	+14.0	+55.4	+52.9	+27.1	-41.9	-65.5	-22.1	-11.3	+6.0	-11.8	-94.4	-66.0	-26.8	-40.0	-38.7	-18.7	+17.1	+49.3	+101.5	+32.7	-15.2	+73.4	+14.2
May	+86.1	+31.1	+7.4	+14.7	+0.3	-17.2	-45.5	-26.4	-9.2	-17.3	-13.8	-59.4	-150.6	-69.6	-56.5	-53.2	-20.0	-1.3	+13.2	+31.1	+67.5	+98.0	+106.3	+83.9
June	+40.9	+42.8	+48.5	+22.0	-25.3	+12.2	-43.7	+25.6	-4.5	-27.8	-6.7	-24.0	-42.6	-72.7	-63.0	-29.7	+15.0	+26.8	+17.4	+11.1	+7.2	+9.9	+25.8	+35.7
July	+34.5	+18.9	+29.2	+47.6	+18.9	-72.5	-21.2	+10.2	+1.9	-20.5	+24.2	+35.4	+60.8	+112.6	-113.1	-70.1	-34.6	-15.0	+4.1	+16.9	+27.4	+47.4	+54.1	+28.3
August	-10.8	-20.3	-42.9	-138.4	-121.3	-65.8	-74.2	-63.7	+31.4	+31.3	+81.7	+50.4	+1.8	-64.1	+72.1	+42.2	+51.5	+9.8	+9.2	+38.1	+50.6	+60.9	+45.5	+26.0
September	+52.5	+60.5	+9.1	+3.8	+12.2	-9.0	-61.4	-46.2	-11.0	+26.7	-38.9	-66.1	-55.5	-63.3	-47.3	-32.6	-34.2	-1.4	+30.2	+53.4	+54.2	+53.9	+59.3	+51.5
October	+77.4	+26.4	-61.0	-114.5	-64.3	-71.1	-33.7	+36.9	+5.7	+14.2	-27.8	-26.8	-14.6	-8.4	+7.6	+16.7	+13.3	+20.1	+36.5	+48.1	+35.1	+29.0	+14.0	+41.6
November	+42.0	+69.3	+61.4	+34.9	+37.2	-20.3	-17.6	-22.3	-9.6	-40.5	-26.4	-59.5	-48.1	-55.8	-32.9	-13.4	-13.9	-10.6	-2.5	+6.8	+18.9	+24.0	+34.5	+45.2
December	+59.6	+72.1	+50.5	+34.6	+54.5	-7.1	-13.4	+7.8	-35.3	-55.2	-69.6	-45.9	-57.3	-77.4	-90.0	-48.1	-13.6	-7.4	+13.1	+27.1	+37.8	+50.3	+58.5	+53.2
Year	+36.6	+31.6	+22.1	+6.2	+6.2	-18.9	-27.9	-5.2	-6.1	-6.2	-17.5	-38.4	-48.8	-67.0	-45.0	-27.8	-9.3	+0.8	+15.5	+35.1	+38.3	+40.1	+47.8	+38.4
Winter	+26.4	+37.7	+42.6	+37.0	+44.8	+4.2	+2.4	+4.7	+2.8	-1.2	-37.9	-51.2	-55.2	-70.3	-60.4	-35.8	-21.5	-9.8	+2.4	+14.5	+26.8	+29.8	+34.3	+32.8
Equinox	+45.6	+38.9	+13.1	-5.0	+5.7	-25.2	-40.0	-6.7	-26.0	-8.9	-36.1	-64.6	-58.5	-50.9	-34.4	-20.0	-9.3	+7.2	+33.1	+66.4	+49.8	+36.4	+51.1	+38.8
Summer	+37.7	+18.1	+10.6	-13.5	-31.8	-35.8	-46.2	-13.6	+4.9	-8.6	+21.4	+0.6	-32.6	-79.8	-40.1	-27.7	+3.0	+5.1	+11.0	+24.3	+38.2	+54.0	+57.9	+43.5