CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
DOMINION OBSERVATORIES

PUBLICATIONS

OF THE

Dominion Observatory

OTTAWA

VOLUME XXIII No. 2

RECORD OF OBSERVATIONS AT THE AGINCOURT MAGNETIC OBSERVATORY 1952-1953-1954

BY
W. E. Ross

THE QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1959

Price 25 cents

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Agincourt Observatory

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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:* A. E. Evans

1952 - 1953 - 1954

INTRODUCTION

An account of the establishment of the Agincourt Observatory in 1898 to continue the magnetic work of the Toronto Observatory which dated back to 1840 is found in the introduction to "Agincourt Magnetic Observations, 1911" Part VI of the "Report of the Meteorological Service of Canada for the year 1911".

During 1953 the building of an east-west dual highway, to pass close to the northern boundary of the observatory lot, was begun by the provincial department of highways with the construction of a concrete and steel overpass about 250 yards northwest of the variometer building. Work on the highway was continued in 1954 but at no time did the variometer recordings exhibit any effects from the construction operation.

Photostat copies of magnetograms, especially the vertical force, were supplied as usual, approximately weekly, to interested agencies.

Absolute Instruments

The absolute instruments described in the 1932-33 report continued in use, namely, Elliott 48 for declination, a Schuster-Smith electrical magnetometer for horizontal force, and Toepfer earth inductor 89 for inclination. I.M.S. corrections, as before, were:

For D, I.M.S.—Agincourt (Elliott 48) −0′.8
For H, I.M.S.—Agincourt (Schuster-Smith) 0.0γ
For I, I.M.S.—Agincourt (Toepfer 89) −0′.15

Variometers

Two magnetograph sets were operated continuously, a la Cour normal sensitivity set used as standard (for Z since 1939 and for D and H since 1941) and the old Kew set (Adie pattern) used as an auxiliary.

Scale coefficients used for the la Cour variometers were:

1952	0′.91 per mm	5.15γ per mm	5.90γ per mm
1953	0′.91 per mm	5.15γ per mm	5.90γ per mm
1954	0′.91 per mm	5.09γ per mm	5.90γ to Dec. 8
			6.00γ to Dec. 31

On June 11, 1952, the la Cour H variometer magnet was reorientated by 2°.75 as the la Cour H variometer azimuth estimates indicated the north pole (east) to the north by that amount. Late scale coefficient determinations in 1953 indicated a slight decrease in the H figure which were put into effect with the beginning of 1954. On December 8, 1954, the Z la Cour variometer was moved about 2 cm. nearer the recorder in an attempt to improve trace definition. The increased Z scale coefficient was then determined as 6.0 gammas per mm. by magnetogram offsets rather than eye-readings, less satisfactory because of faint light-spot visibility through the scale. So for this variometer the scale value used was 5.9 gammas per mm. to Dec. 8, 6.0 gammas for the remainder of the year. La Cour H and D scale value determinations (Dec. 8) gave 5.09 gammas per mm. and 0.92 minute per mm. respectively. For H, after using 5.05 gammas provisionally as a slightly decreased value (from 5.15) early in the year, 5.09 gammas was finally applied throughout the year. For D, 0.91 minute was used for the year, changing to 0.92 minute at the beginning of 1955.

The Kew D scale value was 1.28 minutes per mm. On the basis of disturbance comparison with the la Cour magnetographs the Kew scale co-efficients were taken as follows:

	H	Z
1952	5.2γ per mm (Jan. & Feb.) 4.8γ per mm (to Dec.)	12.6γ per mm
1953	4.8γ per mm	15.0γ per mm
1954	4.8γ per mm	15.0γ per mm

The Z variometer continued to be operated at low sensitivity, useful in magnetic storms, and it had been found that this instrument would hold a low sensitivity more steadily than a higher one, which was liable to sudden changes.

Notes on the Tables

Greenwich Mean Time (U.T.) is used. In Tables I to III base-line values are for the la Cour variometers.

In Table IV (non-cyclic change) A, Q, and D indicate all, quiet, and disturbed days respectively. Declination is taken as positive easterly in Tables IV and 50, 53, and 56 (diurnal inequalities).

In Table V the annual means are based on all days.

In Tables 1 to 48 applying to each year (hourly values and daily extremes) hourly values are averaged over the hour whose G.M.T. beginning and ending are shown by the pair of figures heading the column. Estimated values are bracketed.

Highest and lowest values for the month etc. are marked in the daily extremes tables and the diurnal inequalities tables (49-57) applying to each year. In the latter a positive value is greater than the 24-hour mean.

In the daily extremes tables, character figures and K indices are not shown. These have been supplied regularly to the Association of Terrestrial Magnetism and Electricity

of the International Union of Geodesy and Geophysics for inclusion in their "Geomagnetic Indices C and K" bulletins.

A series of H measurements, May 26-July 16, 1952, so much irregularly higher than the preceding and following trend (about 50 gammas on the average) as to indicate abnormal behaviour of the absolute instrument, is omitted from Table I.

TABLE I—H BASE-LINE VALUES OBSERVED AND ADOPTED

Date	Observed	Adopted	Date	Observed	Adopted
1952	γ	γ		γ	γ
Jan. 24	15220	15217	Aug. 14	15319	15314
Feb. 12	216	215	27	308	314
Mar. 24	213	215	Sept. 4	320	314
31	214	215	15	317	314
April 17	218	215	25	315	313
24	216	215	Oct. 7	310	313
28	210	215	22	305	312
May 5	215	215	Nov. 6	308	311
13	216	215	28	312	309
19	216	215	Dec. 4	307	309
20	217	215	11	304	308
21	217	215	19	308	308
22	214	215	26	301	308
Aug. 7	312	314	30	306	308
1953					
Jan. 8	15311	15310	June 11	15311	15310
15	312	311	17	313	310
22	310	312	July 3	308	309
29	318	312	9	302	309
Feb. 5	316	313	16	314	309
16	313	314	24	306	309
19	316	314	Aug. 4	306	309
26	319	314	21	311	309
Mar. 5	316	314	Sept. 10	301	309
16	314	314	30	320	309
26	313	313	Oct. 16	307	309
April 2	312	313	22	312	309
10	312	312	28	304	309
16	312	312	Nov. 12	304	309
30	310	311	19	307	309
May 15	312	310	Dec. 3	302	307
22	307	310	10	309	306
June 1	308	310	17	304	304
1954					
Jan. 6	15316	15314	June 23	15295	15298
20	314	314	30	300	298
Feb. 3	314	313	July 15	295	298
11	313	312	21	298	298
25	308	308	Aug. 18	298	298
Mar. 18	307	306	Sept. 22	314	299
April 1	307	306	Oct. 15	304	300
8	305	306	Nov. 11	305	302
22	304	305	16	302	302
May 6	304	305	Dec. 9	290	293
20	306	304	9	287	293
June 9	299	300			

On December 18, 1953, an abrupt decrease of 1.6 mm. in the H ordinate increased the H base value 8 gammas.

In Table I, September–November 1954, several irregularly high observed values are omitted. Schuster-Smith potentiometer contacts were cleaned late November, to eliminate this erratic behavior. Abrupt base-line changes December 8 were for Z a drop of 87 gammas; H and D (slight optical adjustments), a lowering of H base value 10 gammas; and D 6.2 minutes (west).

TABLE II—D BASE-LINE VALUES OBSERVED AND ADOPTED

Date	Observed	Adopted	Date	Observed	Adopted
1952	° ′	° ′		° ′	° ′
Jan. 16	7 50.5	7 50.3	July 24	7 49.9	7 50.3
28	51.5	50.5	Aug. 6	49.5	50.0
Feb. 19	50.7	50.8	19	49.5	49.8
Mar. 20	51.2	50.9	Oct. 8	49.8	49.6
April 8	51.5	51.0	23	49.2	49.7
15	50.9	51.0	Nov. 4	50.2	49.7
25	50.9	51.0	14	51.0	49.8
May 9	51.1	50.9	28	49.5	50.0
30	51.0	50.9	Dec. 12	50.4	50.2
June 2	50.9	50.8	19	50.6	50.2
27	50.8	50.7	26	50.1	50.3
July 10	51.0	50.6	31	50.8	50.4
16	51.5	50.5			
1953					
Jan. 16	7 49.7	7 50.4	May 29	7 50.3	7 50.4
22	51.0	50.4	June 10	50.5	50.4
Feb. 9	49.9	50.4	July 24	50.1	50.4
20	50.3	50.4	Aug. 21	50.8	50.4
27	50.5	50.4	Oct. 1	51.3	50.6
Mar. 20	50.3	50.4	22	50.4	50.9
April 13	50.7	50.4	29	51.6	51.1
17	50.3	50.4	Dec. 3	51.8	51.7
May 1	50.7	50.4	17	51.8	51.8
21	50.6	50.4			
1954					
Jan. 6	7 51.7	7 51.8	July 8	7 51.7	7 51.6
21	51.8	51.8	15	52.3	51.7
Feb. 3	52.1	51.9	21	52.1	51.7
11	52.3	52.0	31	51.4	51.7
25	51.8	52.1	Aug. 18	50.5	51.8
Mar. 18	52.8	52.3	26	52.9	51.8
April 1	52.6	52.3	Sept. 2	51.7	51.9
8	52.3	52.3	24	52.7	52.0
22	51.8	52.1	Oct. 7	51.7	52.0
May 6	52.5	51.9	8	51.5	52.0
20	51.8	51.6	21	52.2	52.0
June 9	51.3	51.5	Nov. 4	52.6	52.0
23	51.4	51.6	11	52.9	52.0
30	51.4	51.6	Dec. 16	46.0	45.8

TABLE III—Z BASE-LINE VALUES OBSERVED AND ADOPTED

Date	Observed	Adopted	Date	Observed	Adopted
1952	γ	γ		γ	γ
Feb. 8	56040	56064	Aug. 6	56047	56041
27	033	058	Sept. 16	046	041
Mar. 20	085	052	Oct. 8	033	045
April 1	058	049	22	071	046
9	039	047	28	045	046
23	036	044	Nov. 4	055	046
May 8	049	044	13	044	046
16	037	043	28	037	045
June 2	017	041	Dec. 5	030	045
6	045	041	12	066	044
26	032	040	19	042	044
July 16	040	040	26	035	044
25	054	040	31	053	044
1953					
Jan. 9	56028	56044	July 24	56090	56082
22	029	045	Aug. 21	069	090
Feb. 6	018	046	28	068	091
9	062	046	31	107	092
20	051	048	Sept. 1	114	092
Mar. 6	058	052	30	116	105
20	061	056	Oct. 22	117	118
April 10	058	060	28	128	120
17	084	061	Nov. 12	149	127
May 1	066	064	Dec. 3	151	130
21	068	068	10	128	131
29	069	068	17	116	132
June 17	070	071			
1954					
Jan. 6	56132	56134	June 30	56122	56146
21	134	136	Sept. 2	114	146
Feb. 4	167	137	24	102	146
11	134	138	Oct. 7	157	147
25	123	139	22	137	149
Mar. 18	145	142	Nov. 11	152	152
April 1	168	144	19	183	153
8	138	144	30	164	155
May 6	148	145	30	172	155
20	166	146	Dec. 1	168	155
June 10	141	146	9	062	068
23	163	146	9	062	068

TABLE IV—NON-CYCLIC CHANGE (24th.-0h.)

Month	Horizontal Force			Declination			Vertical Force		
1952	A γ	Q γ	D γ	A ′	Q ′	D ′	A γ	Q γ	D γ
January	+0.4	+5.1	−13.3	−0.23	−0.10	−1.51	−0.7	−3.0	+11.8
February	−1.1	+6.5	−17.9	+0.28	+0.28	+2.94	+0.3	−4.7	+8.4
March	+0.7	+4.8	−23.8	−0.07	−0.48	+4.15	+0.6	−3.2	−30.8
April	+1.5	+12.4	−3.9	+0.14	+0.24	+2.76	−0.5	−6.2	+5.9
May	−0.3	+0.9	−26.7	−0.29	+0.49	−0.76	−0.8	−1.8	−18.5
June	−0.5	+7.2	−13.0	−0.14	−0.66	+0.75	−0.2	−0.5	−14.4
July	+0.7	+3.0	−10.1	+0.20	+1.06	+0.25	−0.1	−3.6	+5.3
August	+0.1	−3.0	−5.2	−0.14	−0.24	+0.09	+2.0	−0.9	−9.8
September	−0.6	+7.4	+1.1	+0.16	−0.07	+2.51	−1.8	−3.9	−21.9
October	−0.1	+3.9	−0.4	+0.21	+0.04	+1.72	+0.4	−2.3	−39.6
November	+0.3	+4.9	−11.6	−0.24	+0.07	−0.35	−0.6	−3.0	+7.2
December	−0.2	+6.7	+2.1	+0.09	+0.43	+1.40	+0.2	−3.3	−0.6
1953									
January	+0.7	+2.3	−9.4	−0.11	−0.37	+1.06	−0.4	−1.8	+5.5
February	−0.1	+2.3	−3.4	+0.04	+0.01	+0.45	+0.3	−1.7	+4.1
March	+0.2	+10.4	−5.8	+0.02	0.00	−1.06	+1.0	−5.8	−9.2
April	+0.1	+1.6	+2.0	−0.07	−0.63	−0.57	−1.0	−0.7	−15.3
May	+0.6	−1.0	+7.5	−0.04	−0.08	+2.72	+0.5	+1.1	+29.4
June	0.0	+4.1	−7.3	+0.10	+0.22	+0.45	0.0	+1.2	+4.4
July	0.0	+1.9	+1.2	−0.06	+0.18	+1.55	−0.2	−1.6	−0.3
August	−0.4	+1.7	+2.6	+0.05	+0.08	+3.70	+0.4	−0.6	+11.8
September	+0.6	+4.3	+5.2	−0.10	−0.48	+1.45	−0.4	−1.7	+10.9
October	+0.2	+4.6	−15.8	+0.03	−0.03	+1.45	+0.3	−1.5	+14.7
November	+0.2	+4.9	+1.8	0.00	−0.05	−0.80	−0.3	−2.2	+1.1
December	−0.2	+1.7	+0.7	−0.02	−0.33	−0.47	−0.4	−1.5	+1.5
1954									
January	−0.2	+3.3	−3.9	−0.03	−0.20	+1.09	+0.1	−1.1	+0.7
February	−0.2	+1.6	−5.4	+0.02	−0.52	−1.35	0.0	−0.4	+2.5
March	+0.4	+1.3	+2.8	−0.08	−1.15	+1.72	−0.1	+4.8	−2.9
April	+0.2	+3.5	−8.5	+0.09	−1.83	−1.82	+0.3	−4.3	+9.5
May	+0.6	+6.3	−7.9	+0.02	+0.02	+0.78	−0.2	−2.8	+2.8
June	−0.2	+7.9	−5.1	+0.09	+0.49	+0.05	+0.7	−2.7	+0.8
July	+0.2	+2.8	−5.8	−0.02	−0.09	−0.21	−0.9	−0.7	−1.2
August	+0.1	+0.9	−7.1	−0.06	−0.41	+0.57	−0.2	+0.9	+1.9
September	−0.6	+5.3	−15.9	−0.08	−1.67	+2.16	+0.3	+5.1	+10.1
October	0.0	+4.1	−6.6	+0.08	−0.09	+2.96	−0.1	−2.3	−8.1
November	+0.4	+4.5	0.0	+0.05	−0.21	+0.41	−0.2	−3.6	−1.9
December	+0.7	+4.8	−6.4	−0.05	+0.57	−0.40	−0.4	−5.3	+5.2

TABLE V—ANNUAL MEANS

Year	D	H	Z	I	F
	° ′	γ	γ	° ′	γ
1936	7 36.9	15362	56658	74 49.8	58704
1937	35.9	333	604	50.6	644
1938	35.1	310	564	51.3	599
1939	34.0	292	522	51.7	554
1940	32.3	281	503	52.0	533
1941	32.4	288	482	51.3	514
1942	31.4	303	460	50.1	497
1943	30.8	309	461	49.7	500
1944	30.1	313	406	48.7	454
1945	27.7	322	392	48.0	436
1946	25.5	311	361	48.1	404
1947	22.3	338	370	46.7	419
1948	22.5	355	302	44.7	358
1949	20.9	360	237	43.4	297
1950	22.0	399	236	41.2	306
1951	17.2	419	233	40.0	309
1952	15.7	445	214	38.2	297
1953	15.2	487	219	35.9	313
1954	16.0	522	209	33.8	313

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 1. Agincourt. (H) 15,000 γ + . . . January, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	418	431	426	426	433	427	423	398	422	436	423	417	426	426	420	400	402	412	417	423	431	437	438	433	423
2	440	436	434	433	433	431	436	433	434	434	434	433	434	431	426	415	410	413	418	433	441	445	442	441	432
3	440	436	435	432	430	442	432	434	433	437	436	437	437	435	426	419	414	422	442	452	450	437	442	427	435
4	422	407	416	425	430	432	431	431	434	435	438	439	433	425	416	417	415	426	432	440	446	438	437	447	430
5 D	435	425	405	362	374	381	427	396	370	431	450	451	420	405	441	422	402	394	412	419	427	432	402	431	413
6	426	396	413	407	404	407	391	400	419	421	430	437	441	435	427	409	385	389	412	415	426	427	436	425	416
7	428	425	420	432	432	437	437	431	431	437	440	442	436	431	428	431	404	404	401	406	416	425	436	436	427
8	430	424	422	402	419	432	441	432	430	428	437	433	435	438	438	421	407	409	417	425	436	439	440	436	428
9	437	436	433	435	432	424	428	432	430	431	432	438	441	437	435	423	424	438	447	445	447	452	452	445	436
10	440	439	435	425	419	403	410	399	416	429	436	434	429	419	406	404	385	379	411	426	437	423	419	427	419
11	429	418	416	409	418	420	411	426	426	424	429	432	434	444	431	414	405	383	403	424	431	441	441	429	422
12	403	422	408	416	426	413	421	420	420	429	424	425	431	437	398	385	388	390	397	418	425	425	431	418	416
13 D	422	419	423	419	430	443	428	423	430	420	428	401	428	428	378	410	392	397	401	419	404	417	424	433	417
14 D	408	411	419	410	428	428	414	404	423	422	410	422	430	419	385	387	357	364	388	410	428	392	408	419	408
15	423	428	422	448	422	422	421	416	425	431	438	430	433	404	326	350	374	391	400	407	415	425	431	429	413
16	430	426	430	425	435	436	428	425	424	424	420	420	425	415	403	387	384	386	397	415	422	433	430	423	418
17	430	433	433	430	430	430	428	431	428	430	434	435	436	430	417	402	393	397	407	413	423	431	439	438	425
18 Q	435	436	436	438	442	438	435	435	434	433	435	436	435	435	424	410	399	404	418	434	439	443	443	441	432
19 Q	438	436	435	438	435	434	435	438	438	436	439	438	438	430	423	417	410	411	423	426	436	435	435	439	432
20 Q	437	434	436	433	434	432	432	437	434	434	438	439	439	434	427	414	408	409	421	429	439	445	441	442	432
21 Q	437	434	427	431	429	431	434	429	434	437	439	438	439	434	422	413	418	422	429	437	440	443	440	445	433
22	436	430	430	427	427	429	432	429	428	429	433	435	438	445	437	427	424	429	442	453	463	465	461	446	437
23	437	428	419	421	429	433	433	429	443	448	449	440	458	453	424	442	428	409	421	431	424	421	415	411	431
24	421	419	411	405	414	419	422	429	432	433	434	434	435	434	429	417	399	408	418	421	428	434	425	423	422
25	418	423	432	434	434	434	434	439	437	434	439	435	440	442	435	427	414	410	419	424	424	429	440	441	431
26 Q	438	438	439	437	440	439	439	445	445	444	446	446	445	445	443	435	434	434	442	447	455	463	463	464	445
27 D	458	454	445	437	443	433	442	436	429	433	442	441	414	427	383	405	402	405	411	417	424	427	423	417	427
28	424	427	429	419	429	437	418	421	416	423	429	437	427	414	405	411	405	411	424	429	434	432	430	437	424
29 D	434	433	434	434	433	431	434	428	418	409	440	439	429	422	411	411	385	384	404	411	427	416	427	429	422
30	413	407	401	407	403	391	408	409	410	423	422	418	422	431	428	421	418	418	416	422	434	435	434	435	418
31	431	432	432	432	431	434	434	437	437	443	441	438	438	426	420	429	421	426	435	431	431	442	438	436	433
Mean	430	427	426	424	426	426	427	425	427	431	434	433	434	430	416	412	403	406	417	426	432	433	434	433	426

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2. Agincourt. (D.) West. 7° + . . . ′ January, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	2.5	13.5	14.4	15.2	19.6	16.9	17.2	25.2	21.0	14.7	15.8	19.8	14.4	11.6	11.3	13.5	14.2	17.0	19.5	19.3	18.2	17.5	16.1	14.9	16.0
2	11.6	11.8	13.8	14.2	14.0	16.1	17.2	14.9	14.5	14.9	14.5	14.4	13.9	12.0	11.8	14.8	17.2	19.3	20.7	19.3	17.2	16.2	15.9	15.4	15.2
3	13.9	14.4	13.9	14.4	14.8	17.2	16.7	15.3	14.8	14.4	13.5	13.9	13.6	11.8	12.0	14.0	16.8	18.9	19.0	18.5	18.0	16.6	16.7	16.3	15.4
4	14.7	9.0	12.3	14.0	15.5	15.9	16.4	17.4	16.7	15.8	14.9	14.3	14.9	15.3	18.4	18.0	21.4	20.0	19.5	18.5	17.8	19.9	14.9	13.7	16.3
5 D	13.2	13.2	12.2	4.6	5.1	7.3	17.2	21.6	33.1	17.6	17.3	21.7	21.8	25.4	19.1	17.3	20.5	21.8	21.1	20.3	18.2	16.6	13.6	16.4	17.3
6	14.5	6.0	12.6	8.0	7.2	10.8	11.8	16.7	19.4	22.8	20.0	15.3	15.3	13.1	15.4	16.9	20.7	20.0	20.4	19.4	18.2	17.7	16.3	17.3	15.6
7	14.9	14.1	11.9	18.0	15.4	19.9	16.4	14.5	15.0	14.9	15.2	14.9	20.4	27.2	22.3	22.2	19.1	21.4	20.5	20.1	20.1	16.2	15.1	14.7	17.6
8	14.6	13.6	7.8	5.2	12.8	15.0	17.2	15.4	15.0	16.3	18.6	17.3	17.3	14.1	10.8	13.1	17.3	19.4	20.5	20.4	18.5	16.8	15.8	15.4	15.3
9	14.9	14.2	14.1	14.2	14.0	11.8	15.6	16.8	17.7	14.9	14.4	13.9	13.6	12.2	11.4	13.4	17.3	21.0	21.2	20.3	18.1	17.2	18.5	17.3	15.7
10	14.0	13.2	12.3	10.9	12.7	10.0	11.1	12.2	19.2	11.3	12.5	14.3	15.3	13.5	13.8	14.8	19.8	27.3	24.0	19.8	18.4	21.0	16.4	12.8	15.4
11	10.3	13.1	13.1	10.5	12.0	13.8	19.4	13.1	12.5	13.2	14.5	13.1	13.8	15.8	14.1	14.2	19.0	23.1	20.9	19.8	19.1	17.3	17.4	18.6	15.4
12	15.2	13.3	11.5	6.8	10.2	14.5	15.9	20.0	13.2	14.6	11.9	19.2	13.9	12.9	14.2	18.1	18.7	20.0	22.8	22.1	23.1	17.8	17.7	8.3	15.6
13 D	16.0	6.0	13.6	11.4	13.7	25.2	13.8	15.1	13.9	15.2	16.7	25.5	17.4	14.7	28.2	25.8	21.0	20.3	21.5	21.8	22.4	17.8	17.5	10.7	17.7
14 D	10.5	10.8	10.5	6.5	12.7	16.4	16.4	26.0	16.4	15.2	21.8	19.8	14.5	12.0	14.9	18.5	22.0	22.8	21.4	22.0	25.1	13.0	16.6	16.3	16.7
15	12.8	12.8	10.2	10.0	9.5	15.2	14.2	23.6	20.5	16.9	16.4	16.4	16.0	15.1	40.0	33.1	25.9	24.0	22.3	22.8	21.1	18.6	17.4	16.9	18.8
16	16.4	13.2	14.1	12.8	13.2	17.6	15.0	15.9	15.0	15.0	15.8	17.7	12.9	11.4	10.1	12.4	15.3	18.8	22.0	22.7	22.0	19.2	18.7	17.3	16.0
17	15.6	15.2	14.3	12.4	15.0	14.3	15.6	17.0	16.0	17.8	17.3	16.0	13.7	11.0	9.0	11.6	14.5	17.8	20.8	21.5	21.1	19.5	17.1	16.7	15.9
18 Q	15.1	14.5	14.5	13.5	15.2	15.0	15.4	15.7	14.9	15.1	15.5	14.8	13.8	12.8	12.2	13.6	16.7	20.2	22.7	22.4	20.8	17.8	16.6	15.6	16.0
19 Q	14.8	14.6	14.2	14.8	14.8	16.0	16.0	16.1	15.2	15.7	15.1	14.0	13.0	11.5	10.5	11.0	15.2	18.8	20.5	20.0	19.6	18.5	17.8	16.1	15.5
20 Q	15.2	14.3	14.5	13.0	14.8	15.4	15.6	15.6	14.6	14.2	14.7	15.4	13.6	11.9	11.6	13.3	16.5	19.7	21.1	21.2	19.4	17.9	17.0	17.9	15.8
21 Q	16.5	15.2	14.7	15.1	13.9	14.6	14.3	14.5	15.5	13.8	12.1	12.8	12.8	11.1	9.5	13.0	17.0	19.4	20.7	19.7	18.8	19.0	18.3	18.4	15.5
22	16.9	14.8	14.4	12.5	13.3	13.2	14.3	14.6	13.7	11.9	11.8	12.1	14.3	13.4	11.5	15.0	17.3	19.3	21.0	21.0	20.3	20.3	20.2	19.6	15.7
23	15.2	15.6	14.1	13.8	13.8	14.5	14.7	16.1	17.1	13.7	12.7	18.6	16.5	13.3	21.9	22.3	19.6	23.8	24.3	24.6	24.2	22.8	19.1	14.9	17.8
24	8.4	16.1	13.8	11.9	13.8	14.6	14.2	17.4	14.8	15.4	15.1	15.2	14.2	15.6	18.4	18.6	20.9	18.3	18.5	19.8	19.4	17.8	15.5	16.1	15.9
25	14.7	12.0	12.3	15.6	15.3	15.7	15.7	18.0	15.2	15.3	16.6	19.5	21.6	22.9	19.3	14.7	16.7	19.4	20.7	19.3	17.6	17.1	15.6	14.7	16.9
26 Q	14.7	14.5	14.4	14.5	14.6	15.3	15.4	15.6	14.1	13.9	13.5	14.7	16.6	12.0	11.3	12.9	16.7	17.7	18.4	17.9	16.6	15.6	13.9	13.7	14.9
27 D	13.2	13.3	15.0	15.8	11.1	13.9	13.9	15.3	15.3	14.6	12.6	11.1	24.4	25.7	20.2	24.2	21.4	24.4	21.7	18.9	18.6	17.5	17.6	15.6	17.3
28	14.6	10.7	14.2	14.3	1.7	14.0	13.9	17.0	17.1	19.9	12.0	12.7	13.5	12.9	17.0	16.2	18.6	19.4	20.4	19.8	19.9	19.3	16.6	15.6	15.5
29 D	16.3	14.3	14.7	14.7	14.7	13.7	14.7	14.0	15.3	15.6	15.2	14.6	18.4	17.2	15.3	19.0	22.0	25.2	25.3	22.1	28.0	24.4	18.6	18.7	18.0
30	16.2	15.3	8.6	13.9	11.7	7.6	11.6	13.1	16.5	15.0	15.6	15.6	16.2	14.3	14.0	15.6	16.9	17.6	18.4	18.6	17.6	17.1	16.5	16.3	15.0
31	15.7	15.0	14.1	15.3	15.2	15.5	14.8	14.9	14.5	14.9	15.2	14.6	12.9	12.6	12.7	17.2	17.7	20.4	19.7	19.5	18.7	17.7	16.7	16.6	15.9
Mean	13.9	13.1	13.1	12.4	12.9	14.7	15.2	16.7	16.4	15.3	15.1	15.9	15.6	14.7	15.5	16.7	18.5	20.5	21.0	20.5	19.8	18.1	16.8	15.7	16.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 3. Agincourt. (Z.) 56,000 γ + January, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	263	252	253	245	222	236	233	199	206	219	219	224	236	236	232	233	238	241	242	248	248	246	241	242	236
2	242	239	239	240	240	240	239	236	236	236	236	236	237	235	233	232	233	236	239	243	242	239	239	240	238
3	239	237	236	234	234	225	232	236	240	236	233	234	235	236	233	233	233	234	238	236	235	236	239	243	235
4	253	261	246	242	236	233	233	235	235	236	234	236	234	234	230	229	233	235	236	236	239	248	243	238	238
5 D	242	245	248	242	251	154	118	158	70	89	151	183	198	213	213	216	228	238	248	248	247	246	258	255	207
6	249	248	242	236	210	177	199	194	210	206	222	229	230	233	230	222	237	253	253	252	246	240	241	242	229
7	246	246	245	228	228	201	210	228	234	236	234	235	230	219	219	223	230	246	249	253	257	259	248	243	235
8	246	247	242	242	245	230	216	225	231	225	227	228	233	239	236	233	240	242	241	241	241	237	237	239	236
9	239	237	236	236	233	230	235	233	228	234	235	236	236	236	233	226	230	233	234	237	239	236	242	240	235
10	240	240	238	239	209	224	236	227	213	238	235	234	232	235	235	229	230	245	251	248	251	253	257	268	238
11	262	253	253	247	250	247	230	227	231	228	227	229	227	218	221	222	229	246	262	258	247	245	248	253	240
12	276	268	251	231	229	235	227	188	206	229	221	235	241	233	229	233	238	251	254	259	263	263	276	271	242
13 D	260	252	251	244	227	199	223	212	215	199	218	172	217	224	224	238	227	241	253	253	281	277	280	275	236
14 D	271	271	267	254	233	239	217	188	221	228	215	222	236	234	235	238	236	247	262	257	265	287	268	261	244
15	259	252	247	223	229	238	235	212	224	229	235	232	238	230	238	238	233	238	252	246	246	251	254	251	239
16	251	257	247	247	250	241	238	239	239	240	236	238	242	242	241	237	241	244	247	250	254	255	253	254	245
17	248	247	245	239	227	235	236	238	237	235	238	239	242	240	236	231	227	231	239	242	247	246	242	241	239
18 Q	239	239	239	237	235	235	234	235	235	232	233	234	234	235	235	232	234	236	233	246	244	240	237	238	237
19 Q	234	233	234	234	234	233	233	233	233	231	232	231	233	233	231	228	227	228	232	239	244	243	239	237	234
20 Q	235	235	234	234	234	234	234	234	233	232	232	233	231	231	226	223	228	231	234	234	234	234	237	237	233
21 Q	238	240	240	241	236	236	234	233	231	229	228	228	230	230	228	226	226	229	234	239	238	237	237	237	234
22	241	244	244	244	246	241	240	237	234	232	232	230	231	231	228	228	232	231	235	234	237	237	239	244	236
23	240	239	238	238	236	233	231	226	205	206	209	216	216	219	220	217	220	225	233	248	252	257	262	266	231
24	256	248	242	236	231	225	222	225	228	233	233	233	233	232	232	232	234	233	234	234	238	243	245	246	235
25	244	242	231	238	234	232	234	227	220	228	230	229	225	222	225	218	222	229	239	237	239	241	239	238	232
26 Q	236	234	233	234	233	230	231	230	227	231	228	228	228	228	227	220	223	228	226	222	227	227	227	225	229
27 D	221	221	224	229	218	229	226	224	220	224	218	215	203	191	203	211	232	238	244	248	244	247	248	257	226
28	255	254	244	249	239	218	226	226	200	209	215	224	229	233	233	235	235	238	239	238	235	239	242	241	233
29 D	239	239	237	234	233	235	229	214	203	188	159	178	203	218	226	228	232	244	281	307	323	312	264	260	237
30	259	260	274	280	277	272	256	250	243	245	243	242	244	242	238	237	237	232	231	238	242	242	244	239	248
31	240	236	235	238	237	236	235	234	232	231	229	231	232	231	228	232	235	238	231	237	237	237	235	238	234
Mean	247	245	243	240	234	228	226	223	220	223	224	225	229	229	228	228	231	237	243	245	247	248	247	247	235

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 4. Agincourt — January, 1952.

Day	Horizontal Force						Declination						Vertical Force					
	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	4	17	443	7	22	378	65	4	30	28.6	0	33	-3.9	32.5	0	18	278	8	4	180	98
2	0	33	448	16	44	405	43	18	44	21.3	4	46	9.4	11.9	0	1	243	15	5	230	13
3	19	49	461	16	25	412	49	5	35	20.2	13	52	10.3	9.9	23	56	246	5	45	218	28
4	21	22	461	1	31	399	62	21	46	25.0	1	32	3.5	21.5	1	12	275	15	21	225	50
5 D	10	59	462	3	40	329	133	8	42	41.7	5	7	-20.4	62.1	4	5	311	8	43	2	309
6	12	3	448	16	21	370	78	9	42	24.9	1	45	-0.9	25.8	17	45	259	5	38	163	96
7	3	22	452	16	34	386	66	13	14	31.3	2	33	9.5	21.8	21	13	264	5	24	190	74
8	6	4	446	3	20	389	57	18	8	20.8	3	27	-2.9	23.7	0	43	248	6	21	210	38
9	21	16	458	15	43	417	41	19	5	22.4	14	36	10.1	12.3	22	13	245	8	36	224	21
10	21	8	466	17	0	355	111	17	37	30.2	23	49	-1.0	31.2	23	43	288	4	51	152	136
11	13	13	465	17	25	370	95	17	28	26.4	0	49	2.2	24.2	0	47	274	13	38	211	63
12	13	12	452	15	15	370	82	20	46	25.5	3	24	-11.8	37.3	23	53	303	7	12	152	151
13 D	23	20	459	14	37	350	109	5	21	36.7	23	5	-2.2	38.9	22	54	323	11	26	147	176
14 D	20	15	454	16	41	336	118	7	22	31.9	3	53	-18.2	50.1	21	10	302	7	20	173	129
15	3	25	469	14	15	309	160	15	16	52.3	3	0	-3.4	55.7	0	52	263	7	27	193	70
16	4	58	449	17	16	379	70	19	17	24.1	1	33	5.7	18.4	1	33	263	6	28	232	31
17	4	6	445	16	18	391	54	19	5	22.3	14	50	8.3	14.0	0	2	251	4	28	218	33
18 Q	4	3	450	17	3	398	52	18	50	23.1	3	55	10.6	12.5	19	5	246	4	9	231	15
19 Q	20	43	440	17	8	405	35	19	3	21.2	15	22	9.7	11.5	20	40	246	18	4	227	19
20 Q	21	35	446	17	12	403	43	19	17	22.1	14	18	11.5	10.6	23	55	238	15	0	222	16
21 Q	23	28	447	15	13	411	36	18	22	20.9	14	5	8.8	12.1	2	43	241	16	32	223	18
22	21	28	468	16	50	423	45	23	11	21.9	14	16	10.7	11.2	4	35	248	14	43	226	22
23	12	49	464	17	18	393	71	14	58	29.3	13	38	10.9	18.4	23	3	272	8	54	191	81
24	13	11	440	16	24	389	51	16	52	23.9	0	43	5.2	18.7	0	13	260	6	46	215	45
25	13	30	448	17	3	404	44	14	3	24.7	2	43	8.3	16.4	1	40	245	8	18	215	30
26 Q	21	35	464	15	44	425	39	12	8	19.6	14	34	9.5	10.1	0	15	236	15	43	215	21
27 D	0	4	461	14	33	359	102	13	3	37.3	4	46	8.1	29.2	23	0	264	13	22	178	86
28	4	50	469	17	3	398	71	9	43	23.0	2	42	-12.5	35.5	1	41	265	8	53	185	80
29 D	21	1	490	18	18	364	126	21	9	39.4	10	44	8.0	31.4	21	1	383	10	32	147	236
30	20	23	438	5	15	377	61	19	13	19.4	2	43	2.0	17.4	5	44	291	18	6	228	63
31	21	39	449	16	52	411	38	17	50	21.3	14	34	9.8	11.5	0	8	241	14	29	224	17
Mean			455			384	71			26.9			3.1	23.8			268			195	73
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, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	433	431	423	434	433	432	424	425	400	418	425	361	427	433	415	411	405	407	407	402	403	425	430	431	418
2	429	423	407	422	433	428	433	426	428	433	436	438	433	431	420	408	415	421	427	427	427	434	435	431	427
3 Q	431	436	433	432	433	440	432	432	432	434	438	438	436	429	426	416	410	416	426	426	426	437	442	442	431
4 Q	437	435	438	436	440	440	437	441	441	444	444	446	444	442	436	425	417	417	420	424	432	443	448	446	436
5 Q	444	441	438	437	441	443	444	444	444	447	451	452	454	453	446	432	424	428	433	440	449	458	458	459	444
6 D	459	457	450	441	435	418	421	426	440	438	428	433	441	449	448	420	382	395	420	401	398	444	415	415	428
7	418	402	418	427	418	413	390	387	408	415	377	395	432	420	408	408	394	392	401	403	423	424	409	416	408
8 D	420	436	426	421	411	425	411	378	376	415	428	427	428	422	391	375	397	409	418	400	415	417	426	423	412
9	432	427	428	447	424	420	429	429	427	417	423	423	424	416	395	364	393	405	407	400	410	424	426	413	417
10	421	427	425	425	427	433	427	425	434	420	416	430	425	419	423	399	394	419	424	409	422	417	424	396	420
11	402	369	396	421	422	417	421	430	415	410	407	407	425	410	406	399	399	396	408	427	420	407	430	398	410
12	402	420	414	443	434	397	420	420	420	419	412	401	401	401	399	382	378	404	420	422	421	420	417	432	413
13	412	426	426	421	441	430	425	422	420	426	422	420	411	410	389	376	407	414	419	425	435	404	399	415	416
14	426	425	429	420	420	421	425	419	415	407	430	430	430	416	410	404	405	404	419	430	430	432	427	435	421
15	432	435	440	432	430	427	443	426	422	423	435	434	432	422	414	407	409	414	425	431	436	437	437	430	428
16 D	425	412	422	417	419	401	353	299	273	256	335	349	386	406	412	402	395	400	415	425	425	406	425	410	386
17	409	409	412	417	422	423	425	426	430	431	428	425	422	431	417	412	406	415	425	428	431	436	441	443	424
18	431	415	420	428	427	429	432	435	437	435	435	432	436	430	418	411	406	407	419	425	435	427	436	440	427
19	410	403	401	417	419	426	447	427	431	437	443	445	441	435	430	422	415	407	402	406	414	423	427	419	423
20	425	419	423	417	408	432	419	421	417	410	425	436	432	419	409	406	402	414	419	423	427	429	432	433	421
21 Q	437	440	438	447	438	442	443	444	445	446	447	448	450	448	452	447	444	441	440	437	441	437	443	443	443
22 Q	445	443	441	437	433	432	434	440	440	442	446	447	449	446	443	445	445	445	445	441	435	442	443	442	442
23	437	432	425	431	434	441	437	437	442	444	445	446	445	445	445	448	453	453	453	453	453	468	478	466	447
24 D	459	569	513	581	525	403	406	399	384	358	313	397	358	381	407	407	396	394	420	446	430	435	417	406	425
25	417	420	411	419	417	420	415	414	414	414	419	420	410	404	432	430	427	427	433	436	442	440	439	440	424
26	437	422	428	430	430	435	432	430	422	416	435	428	430	421	414	413	407	399	419	430	447	459	447	412	427
27 D	422	430	412	400	383	417	404	266	411	431	432	426	430	432	427	414	412	430	442	446	458	427	428	434	417
28	425	411	428	410	384	311	406	412	351	412	430	427	425	423	407	401	389	412	425	441	445	438	435	435	412
29	437	433	432	426	427	427	433	428	425	427	430	420	412	419	414	408	407	414	422	431	438	448	435	409	425
30																									
31																									
Mean	428	429	427	432	428	421	423	414	415	418	422	424	426	424	419	410	408	414	422	425	430	432	432	428	423

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

Table 6. Agincourt. (D.) West. 7° + . . . ′ February, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	16.6	15.4	11.8	15.4	15.4	15.3	13.5	17.2	15.7	16.8	12.3	28.1	19.8	10.2	16.7	19.5	20.0	19.4	20.4	28.1	24.5	17.7	17.0	16.4	17.7
2	15.5	14.4	7.4	8.7	16.2	20.3	16.6	15.1	18.6	15.7	18.4	15.7	13.1	13.2	14.9	17.7	19.3	20.5	20.8	20.8	19.6	17.3	16.4	16.2	16.4
3 Q	14.9	14.8	15.0	14.7	14.4	18.8	15.9	16.7	17.2	19.4	15.9	14.5	14.4	12.6	10.7	12.9	15.1	17.1	18.6	19.1	19.0	18.2	16.6	15.4	15.9
4 Q	15.7	14.8	14.8	14.9	14.5	15.7	16.2	16.2	15.5	15.1	14.8	14.4	15.2	11.8	10.7	12.1	14.0	15.4	16.8	17.9	18.6	17.5	16.0	15.4	15.2
5 Q	14.9	14.4	14.5	14.5	14.0	14.5	15.7	16.0	15.7	16.0	14.9	14.6	13.5	11.8	9.6	10.9	13.5	16.2	18.5	19.5	18.9	17.7	15.8	14.5	15.0
6 D	14.0	13.7	14.1	15.8	15.0	14.6	10.8	12.3	14.4	14.2	11.4	12.3	19.5	12.2	7.7	7.3	15.8	23.2	18.6	25.0	21.3	22.1	21.3	21.9	15.8
7	20.1	14.9	5.5	15.7	10.2	10.5	13.1	29.7	11.8	12.8	22.8	24.0	18.1	13.2	11.8	13.1	15.8	18.7	22.8	19.1	20.7	25.2	18.3	20.5	17.0
8 D	16.8	9.6	13.7	13.3	16.8	14.6	11.4	12.1	21.5	11.3	14.1	15.9	14.9	13.0	13.2	17.8	17.8	19.6	19.5	17.8	18.5	20.9	18.8	12.3	15.6
9	9.7	15.5	15.0	7.7	11.8	16.4	17.7	17.2	17.8	20.9	21.8	18.1	14.2	11.6	14.1	18.2	21.0	19.6	19.1	19.8	19.9	19.9	12.8	14.3	16.4
10	13.7	14.8	14.6	14.2	15.5	17.3	17.7	18.2	15.9	10.5	15.0	15.4	13.5	11.6	11.2	17.0	17.8	25.3	23.0	20.4	27.3	18.2	5.9	4.5	15.8
11	15.9	9.2	12.0	16.9	13.6	15.9	17.3	15.5	17.7	14.7	15.8	27.3	18.9	11.8	12.3	15.2	18.8	20.5	21.9	17.9	21.2	22.1	19.1	11.4	16.8
12	8.8	16.9	15.6	11.3	9.0	6.0	15.8	15.1	15.2	14.5	16.1	19.1	18.6	14.2	14.3	16.5	19.7	21.3	21.3	23.7	20.5	15.7	11.9	17.9	15.8
13	9.0	15.8	15.0	12.4	18.2	13.9	16.0	15.5	16.9	17.1	14.8	14.6	16.5	14.1	15.6	20.2	22.8	21.0	23.3	22.0	21.2	20.1	11.6	17.3	16.9
14	14.1	9.6	14.7	14.1	15.1	15.9	16.5	13.8	15.6	22.4	16.0	12.5	10.7	9.5	11.0	14.2	18.3	22.3	21.8	21.4	20.0	19.7	14.5	16.5	15.9
15	15.6	13.8	14.1	12.4	14.8	15.5	20.9	14.1	12.4	16.4	15.0	13.8	13.3	10.8	11.1	14.7	17.4	17.9	19.3	19.7	18.9	18.2	16.9	16.9	15.6
16 D	15.1	10.2	13.2	11.4	12.0	11.6	14.7	10.9	7.7	12.7	7.8	6.4	10.6	24.1	24.1	18.7	22.5	23.2	21.3	18.5	18.1	19.8	15.6	14.1	15.2
17	13.2	6.0	10.2	15.6	16.9	17.4	17.4	16.5	16.7	16.5	15.9	15.1	17.8	13.4	14.2	15.9	18.9	20.5	20.1	20.2	19.4	17.9	16.5	15.8	16.1
18	15.9	17.0	13.3	13.2	16.0	16.8	16.9	16.9	15.2	15.1	13.0	17.2	15.4	10.1	11.4	15.0	16.5	19.2	20.3	21.5	20.0	23.1	18.3	16.9	16.5
19	16.0	10.5	8.3	10.8	12.3	19.6	23.8	13.2	17.9	15.6	14.2	16.9	21.0	17.3	12.2	15.6	16.4	18.4	19.6	20.6	20.1	10.6	17.3	15.6	16.0
20	12.3	13.2	13.4	10.9	11.9	13.7	13.1	16.0	18.2	21.4	18.6	15.9	15.0	15.1	15.1	17.1	18.2	19.7	20.1	19.9	18.2	18.2	17.2	15.6	16.2
21 Q	16.0	14.9	12.4	11.9	15.1	15.0	15.5	15.2	15.1	14.9	14.6	14.1	13.5	15.0	14.2	13.8	14.3	16.2	16.6	16.4	16.2	16.5	16.5	16.4	15.0
22 Q	15.6	15.2	15.6	14.7	15.7	14.2	15.2	15.6	15.5	16.0	15.5	13.8	13.4	14.2	14.2	15.1	15.6	16.8	17.9	18.1	18.8	18.1	16.7	15.8	15.7
23	15.6	14.6	15.6	14.2	15.0	12.4	13.8	14.6	14.7	14.1	13.7	13.7	13.7	12.7	13.3	15.0	15.9	16.2	16.2	16.0	16.5	15.9	15.1	17.7	14.9
24 D	18.7	6.5	12.3	5.9	13.2	15.0	17.7	18.1	14.6	19.2	32.9	16.7	27.9	26.5	22.0	21.5	23.7	26.5	25.6	19.0	20.1	19.2	18.2	13.5	19.0
25	5.0	17.7	15.0	15.1	17.8	17.2	16.0	15.0	14.3	16.0	13.1	11.0	13.2	19.2	16.1	18.3	19.3	19.1	18.8	19.2	17.5	16.8	16.1	16.9	16.0
26	17.4	16.4	15.3	17.3	17.9	14.9	14.1	27.7	9.6	19.9	9.6	8.8	10.6	12.8	14.8	17.7	21.0	26.1	24.8	21.4	15.9	14.6	16.0	18.3	16.8
27 D	16.9	14.5	9.9	14.5	9.6	33.1	16.5	34.2	18.8	11.5	11.9	16.6	15.4	15.1	18.9	19.8	23.4	21.0	20.2	20.4	19.0	14.4	17.7	15.9	17.8
28	13.3	6.9	-1.2	8.6	7.5	31.7	23.7	18.8	28.2	22.0	11.4	13.5	13.8	20.0	22.8	23.1	26.5	24.6	23.6	19.1	16.9	16.2	15.5	15.1	17.6
29	15.5	15.1	14.4	11.9	15.6	25.3	22.4	16.0	14.4	13.4	14.6	13.7	19.1	20.0	17.1	21.4	21.6	21.4	20.8	19.7	16.9	15.6	16.9	12.9	17.3
30																									
31																									
Mean	14.5	13.3	12.6	12.9	14.2	16.6	16.4	17.0	16.0	16.2	15.4	15.6	15.7	14.4	14.3	16.4	18.6	20.2	20.4	20.1	19.4	18.2	16.1	15.6	16.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 7. Agincourt. (Z.) 56,000 γ + February, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	241	243	246	272	239	236	220	202	165	192	174	138	193	229	231	231	236	241	249	267	269	264	249	241	228
2	238	242	243	238	231	221	226	229	231	225	226	226	229	228	225	228	235	235	238	243	241	243	237	237	233
3 Q	237	237	237	232	228	223	230	231	230	225	223	229	229	232	230	226	227	231	231	231	237	236	234	232	231
4 Q	230	230	230	227	223	222	224	227	228	227	227	226	226	226	223	217	222	227	230	229	229	232	231	227	227
5 Q	226	226	224	225	224	223	225	225	225	223	224	223	222	223	219	214	213	216	217	222	225	226	223	222	222
6 D	218	218	218	223	228	219	213	225	234	232	222	216	216	210	211	207	213	249	266	261	272	284	334	273	236
7	263	278	267	216	231	225	201	127	190	200	180	206	227	227	228	227	229	236	245	265	255	260	275	275	230
8 D	281	249	255	258	204	200	213	181	104	190	219	230	239	236	226	228	230	228	230	251	264	256	251	252	228
9	241	240	236	221	200	229	227	226	229	218	210	215	221	228	223	231	239	232	238	245	248	246	254	251	231
10	247	240	241	241	241	229	216	204	215	206	218	218	223	224	219	213	222	229	239	258	281	295	330	319	240
11	333	282	280	228	235	242	233	228	218	223	221	206	222	228	228	227	229	240	247	259	258	259	254	254	244
12	259	252	252	228	218	223	245	228	238	235	225	213	227	230	235	239	245	251	245	247	256	270	262	249	241
13	267	247	239	235	222	223	234	231	229	226	220	228	225	227	225	234	241	231	228	228	240	255	270	260	236
14	254	243	235	239	234	228	228	228	226	205	228	231	238	231	226	227	231	234	240	244	244	249	249	243	235
15	239	237	231	235	234	231	210	225	228	231	232	233	234	234	232	231	234	235	233	234	235	237	238	237	233
16 D	237	242	241	245	232	185	122	69	72	75	99	148	220	212	208	230	240	238	240	249	258	260	263	252	201
17	259	237	246	242	237	237	235	233	236	233	231	229	229	224	219	216	220	223	228	233	233	233	233	233	232
18	237	244	242	237	237	233	232	227	227	231	224	222	213	219	216	222	227	233	234	239	248	245	240	245	232
19	282	263	268	259	237	209	193	201	216	207	219	220	216	221	221	221	224	228	244	253	269	285	266	260	237
20	246	245	249	238	220	203	220	221	213	213	215	223	223	229	229	224	232	239	237	232	232	232	236	236	229
21 Q	232	232	231	225	226	229	229	230	229	228	226	225	226	224	222	216	216	220	221	223	226	225	226	226	226
22 Q	225	223	226	224	225	229	226	226	228	225	224	221	221	215	212	212	212	213	215	219	223	223	227	229	222
23	226	225	230	229	225	215	218	225	223	224	223	222	223	216	212	208	208	213	215	220	218	220	215	218	219
24 D	301	395	369	343	309	248	255	247	226	188	99	177	168	208	211	228	244	255	254	264	250	255	276	281	252
25	261	252	256	246	240	237	241	237	234	225	225	225	214	223	228	224	230	234	241	238	234	231	229	229	235
26	232	237	240	238	237	219	213	198	208	211	217	224	225	220	225	227	231	241	243	237	237	235	247	258	229
27 D	243	236	248	255	210	147	162	82	201	217	221	219	219	218	222	220	230	233	236	236	241	253	255	243	218
28	249	260	234	218	210	134	139	170	124	157	214	216	226	216	222	234	242	248	247	247	239	234	233	232	214
29	230	230	233	230	231	231	230	207	221	230	226	219	219	210	216	217	229	236	239	237	236	239	239	245	226
30																									
31																									
Mean	250	248	247	240	230	217	215	207	209	211	211	215	221	224	222	224	229	234	237	242	245	248	251	248	230

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 8. Agincourt — February, 1952.

Day	Horizontal Force							Declination							Vertical Force						
	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	7	10	441	11	38	319	122	11	42	39.1	7	44	4.0	35.1	20	10	280	11	30	98	182
2	11	7	444	2	52	392	52	5	14	23.6	2	58	-6.6	30.2	2	34	248	5	35	212	36
3 Q	5	10	449	16	49	402	47	5	20	22.3	13	59	9.0	13.3	21	46	238	5	19	214	24
4 Q	22	8	449	16	49	414	35	20	26	18.7	14	50	10.4	8.3	22	9	232	15	26	216	16
5 Q	23	45	462	16	35	421	41	19	38	19.8	14	37	8.6	11.2	21	25	227	16	1	213	14
6 D	22	2	470	16	8	351	119	22	23	32.4	14	13	2.7	29.7	22	25	422	16	8	196	226
7	3	2	492	10	57	320	172	7	17	38.7	2	52	-14.1	52.8	23	59	399	7	7	99	300
8 D	1	38	474	8	2	338	136	8	35	31.4	1	25	-6.9	38.3	0	1	397	8	32	68	329
9	3	58	467	15	43	355	112	10	24	25.0	3	23	-12.3	37.3	22	2	258	4	30	189	69
10	23	13	472	23	41	340	132	20	40	30.0	22	34	-15.0	45.0	22	23	464	10	15	195	269
11	3	37	456	2	32	332	124	11	20	31.2	23	56	-6.6	37.8	0	3	383	11	22	194	189
12	3	36	467	16	5	365	102	19	35	25.1	0	13	-5.8	30.9	21	50	287	5	3	195	92
13	20	15	459	14	55	362	97	16	3	28.0	0	32	-12.2	40.2	0	29	311	4	50	208	103
14	19	46	441	17	49	394	47	9	11	26.0	1	43	-5.2	31.2	1	37	255	9	41	194	61
15	6	10	450	15	0	404	46	6	18	30.5	13	57	9.7	20.8	0	55	240	6	23	197	43
16 D	5	30	468	9	32	205	263	5	42	35.9	5	23	-0.8	36.7	20	35	273	8	2	10	263
17	23	52	446	1	13	387	59	17	15	21.5	1	22	-9.1	30.6	2	17	292	1	32	210	82
18	23	50	456	14	46	406	50	21	40	25.1	2	38	7.4	17.7	20	41	254	12	41	213	41
19	6	3	452	2	38	376	76	6	13	30.6	2	47	0.1	30.5	0	40	304	6	23	172	132
20	5	7	450	4	40	384	66	9	18	23.7	0	26	6.4	17.3	2	52	251	5	26	188	63
21 Q	14	2	453	20	5	432	21	17	46	16.9	3	28	8.9	8.0	0	17	234	16	36	212	22
22 Q	12	28	451	5	8	428	23	20	44	19.6	12	23	13.2	6.4	23	2	229	16	48	209	20
23	21	30	489	3	0	422	67	23	52	21.7	5	50	10.4	11.3	3	17	230	15	23	207	23
24 D	1	48	662	10	21	241	421	4	36	87.8	4	0	-0.8	88.6	1	45	461	10	25	16	445
25	22	23	444	13	10	384	60	13	35	21.9	0	16	-13.9	35.8	0	5	304	13	8	202	102
26	1	15	489	17	10	384	105	7	28	37.8	8	25	6.8	31.0	23	6	263	7	34	188	75
27 D	20	35	476	7	24	170	306	7	34	61.5	7	8	3.5	58.0	21	52	269	7	28	-65	334
28	20	17	448	5	43	258	190	8	52	41.1	2	8	-7.7	48.8	1	5	266	6	14	80	186
29	21	35	461	12	7	394	67	5	41	32.3	23	50	7.5	24.8	23	48	254	5	46	165	89
30																					
31																					
Mean			467			358	109			31.0			-0.3	31.3			294			162	132
No. days			29			29	29			29			29	29			29			29	29

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 9. Agincourt. (H) 15,000 γ + . . . March, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	397	419	419	419	427	430	432	435	433	422	432	436	428	417	396	397	414	417	425	436	443	447	443	443	425
2 Q	441	440	438	436	447	440	438	441	441	441	440	436	432	423	416	410	407	414	427	440	450	455	455	452	436
3	448	446	443	435	435	437	443	450	452	453	453	454	440	395	450	445	426	427	427	435	466	459	464	510	446
4 D	386	397	417	412	332	330	350	313	345	380	348	352	395	417	417	381	390	407	428	434	428	446	445	410	390
5 D	430	410	389	391	353	368	388	411	370	281	374	407	390	401	376	352	371	394	431	421	435	442	451	401	393
6 D	396	364	282	261	364	267	306	406	342	358	342	394	416	409	389	413	426	432	412	417	440	442	422	426	380
7 D	420	425	427	421	414	417	418	415	417	390	318	415	410	384	386	409	407	383	412	419	427	437	417	385	407
8	391	421	434	435	415	384	406	389	412	416	376	389	394	411	414	394	373	401	419	438	446	425	417	441	410
9	399	391	422	422	423	423	417	391	392	396	369	389	406	406	407	371	396	414	429	431	435	453	430	407	409
10	414	410	411	417	431	426	401	416	415	403	422	421	415	407	404	395	399	414	433	435	435	430	427	412	416
11	389	428	419	420	426	417	435	419	414	413	417	419	420	423	407	414	412	417	417	428	448	443	435	427	421
12	420	432	450	425	428	432	433	431	428	428	431	425	401	394	394	417	417	419	407	423	433	430	437	430	424
13	425	434	439	432	434	435	427	445	435	427	431	432	425	402	417	414	422	427	432	440	451	443	428	435	430
14 Q	437	434	434	430	434	445	437	437	435	436	433	429	424	413	411	410	420	427	431	432	438	440	450	435	431
15	427	431	431	433	428	425	438	436	431	429	427	425	425	422	416	413	410	420	451	469	474	446	430	432	432
16	443	439	435	430	417	428	441	428	419	437	443	436	443	440	435	422	417	424	430	437	428	446	446	430	433
17	427	438	420	427	401	407	425	439	427	422	430	437	427	401	396	425	415	406	415	426	441	458	447	443	425
18	445	443	440	427	435	437	435	443	430	440	448	445	440	429	419	404	411	414	422	432	441	441	443	442	433
19 Q	444	446	446	437	440	438	442	447	447	447	446	442	435	430	420	413	420	426	433	439	439	438	441	446	437
20 Q	448	448	449	446	445	440	445	445	446	442	445	447	445	437	432	425	429	435	447	452	451	456	457	459	445
21	456	447	450	459	467	453	430	385	365	383	420	433	417	389	406	412	434	429	440	435	428	437	432	400	425
22	426	427	442	415	392	374	397	431	427	427	430	428	422	425	420	409	419	423	426	440	450	453	445	464	426
23	448	389	395	421	417	375	327	332	363	381	373	412	404	410	407	408	406	412	402	430	465	469	466	477	408
24	458	448	445	419	427	416	428	425	381	404	409	423	435	433	406	386	406	406	417	440	441	435	435	438	423
25	440	443	440	432	447	426	428	425	407	432	446	432	410	430	427	412	400	401	425	427	432	433	443	446	428
26	433	415	416	427	437	438	440	443	446	448	448	448	440	428	425	409	415	419	426	435	435	445	453	446	434
27	445	440	441	440	462	436	432	442	440	446	452	442	438	436	433	415	394	411	430	446	446	451	458	453	439
28 Q	449	448	446	443	444	443	443	446	446	446	446	443	437	430	420	410	408	412	422	439	451	454	459	459	440
29	456	453	451	447	448	448	451	453	453	453	451	444	443	431	419	415	411	416	421	432	451	457	458	445	442
30	433	426	434	435	456	441	445	445	455	458	453	450	451	433	389	348	399	419	427	464	440	514	462	453	439
31 D	514	453	385	376	309	354	397	394	231	282	430	419	409	404	407	349	360	393	416	440	432	440	466	417	395
Mean	432	428	426	422	420	414	418	421	411	414	419	426	423	416	412	403	408	415	425	436	443	447	444	437	423

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

Table 10. Agincourt. (D.) West. 7° + . . . ′ March, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	4.0	10.7	11.1	13.4	16.0	18.7	22.4	18.9	14.6	21.3	15.2	10.7	10.2	10.9	15.0	18.8	22.5	23.1	22.9	21.5	19.1	17.3	15.9	15.6	16.0
2 Q	15.1	15.2	15.5	11.8	13.5	15.7	16.6	16.4	15.8	15.9	14.2	12.6	11.4	11.0	13.3	16.5	18.9	20.2	21.1	19.8	18.4	17.0	15.9	15.6	15.7
3	15.7	15.2	15.3	14.7	14.8	15.1	15.2	16.1	14.6	13.1	12.2	11.0	10.2	28.4	20.7	16.0	19.3	21.7	25.5	26.1	33.4	20.5	27.1	10.6	18.0
4 D	15.4	14.1	-8.5	10.6	6.6	1.2	15.0	21.5	30.9	6.8	11.1	25.1	28.0	12.5	11.4	19.2	22.4	24.7	23.8	23.7	20.1	20.1	20.3	14.4	16.2
5 D	13.0	5.9	-2.6	6.9	27.9	9.9	11.7	12.6	18.0	17.5	30.9	14.8	14.2	19.8	27.4	27.7	25.1	28.8	22.2	19.7	15.0	18.0	-5.9	-3.9	15.6
6 D	1.5	-6.4	-4.9	8.4	-5.0	14.5	7.7	13.3	6.6	14.0	24.8	11.1	9.3	11.5	15.7	21.3	22.2	21.1	25.1	25.3	26.1	22.5	18.9	23.3	13.7
7 D	21.6	15.9	13.8	-3.4	10.1	16.1	16.0	18.0	16.6	12.5	34.3	22.6	12.5	16.1	23.2	24.9	21.5	19.4	19.1	20.6	18.7	16.6	13.9	-7.5	16.4
8	12.3	12.5	11.6	14.7	8.4	11.0	17.0	21.2	21.2	11.5	16.1	23.1	21.1	15.2	17.0	17.9	22.2	21.5	22.4	16.5	23.9	13.9	20.2	19.7	17.1
9	-0.7	6.6	14.2	13.5	16.7	17.9	14.2	26.6	21.6	14.7	16.9	18.3	13.8	16.2	19.5	22.1	24.1	21.7	18.9	15.7	16.2	15.6	13.8	13.3	16.3
10	15.6	14.4	12.4	14.2	18.3	15.3	20.0	19.2	9.3	20.2	15.6	12.4	12.1	12.8	15.1	20.8	22.1	19.4	20.6	22.5	21.5	16.0	11.7	12.1	16.4
11	7.9	9.7	8.8	13.2	18.8	24.1	17.0	13.9	16.0	14.2	13.0	13.0	12.4	13.3	15.0	19.5	20.6	23.3	20.6	19.7	20.2	18.9	15.8	13.4	16.0
12	13.0	14.3	13.0	12.0	15.7	14.8	16.0	16.9	15.7	15.2	14.8	12.2	11.5	11.6	14.3	19.1	20.8	22.4	22.8	23.0	20.5	16.0	15.1	14.2	16.0
13	15.0	14.1	15.2	16.1	16.1	18.9	15.9	17.5	13.9	11.3	13.0	12.9	11.6	13.4	18.8	19.7	21.7	21.6	21.6	20.2	19.0	17.5	14.3	15.9	16.5
14 Q	16.6	17.0	16.3	14.9	16.0	16.6	15.7	15.9	15.3	14.7	17.4	15.1	13.0	10.2	13.3	18.0	21.1	22.4	20.8	19.8	18.8	17.9	17.3	16.7	16.7
15	17.2	17.0	14.8	16.0	12.4	11.9	16.0	11.3	13.0	11.6	11.6	11.4	7.9	7.8	11.1	13.4	18.3	22.9	24.6	24.7	27.7	25.7	21.1	18.3	16.1
16	17.0	15.7	16.1	15.6	10.3	13.4	16.0	16.0	19.8	12.6	9.3	12.6	15.2	11.6	12.4	15.6	21.1	22.5	23.3	21.7	23.4	18.9	15.7	13.2	16.2
17	11.1	14.5	12.0	8.4	6.9	18.4	13.0	12.0	13.4	21.2	22.5	21.6	16.0	17.5	19.8	22.1	21.1	21.6	21.5	20.7	18.4	17.0	17.5	15.7	16.9
18	15.7	15.1	15.5	11.0	8.4	14.2	21.1	12.6	11.4	16.9	13.8	11.7	10.6	11.1	12.0	18.7	22.9	21.6	21.6	20.7	19.6	18.1	17.1	16.2	15.8
19 Q	15.8	15.6	16.2	15.1	15.3	14.9	15.7	16.2	14.2	13.6	13.3	12.6	12.0	11.1	11.0	17.4	20.1	19.5	19.4	18.9	19.4	18.0	17.3	15.7	15.8
20 Q	16.6	16.3	16.2	16.0	15.3	13.4	15.7	13.0	11.5	12.8	15.1	15.8	13.1	11.2	11.9	14.8	16.9	18.3	19.2	20.1	19.7	18.8	17.5	16.6	15.7
21	16.8	17.0	16.9	16.0	15.5	14.3	4.1	6.5	7.5	12.5	8.0	10.6	13.0	20.1	21.1	28.3	23.5	22.5	23.0	23.1	22.1	19.8	19.1	-0.2	15.9
22	14.3	6.3	7.5	8.1	6.2	18.9	18.0	13.2	16.1	17.4	13.1	13.6	13.9	11.8	12.6	17.2	20.2	22.1	23.9	24.2	20.8	22.1	20.8	12.0	15.6
23	-21.9	6.6	5.1	12.0	13.9	12.4	14.8	14.1	6.2	7.9	15.0	6.9	8.6	8.5	9.9	15.7	18.8	21.1	24.8	26.0	21.5	19.3	17.1	15.7	12.5
24	17.1	16.6	16.0	0.8	-1.3	8.0	14.2	15.3	37.5	19.7	20.2	20.1	14.8	10.6	15.9	21.4	23.6	24.7	24.7	20.6	19.2	14.2	13.3	16.9	16.9
25	16.0	15.7	16.1	15.3	14.3	11.7	15.1	15.6	23.6	26.2	17.0	20.2	20.6	13.4	14.0	17.2	20.2	22.6	23.8	23.5	21.2	17.8	16.5	16.4	18.1
26	14.7	2.6	7.9	14.8	15.3	17.0	16.0	15.5	14.2	13.8	13.4	14.2	11.5	11.1	12.5	15.7	18.3	21.1	22.9	22.0	22.4	19.3	17.4	16.6	15.4
27	16.5	15.2	16.2	14.4	13.3	15.7	12.0	24.1	13.4	9.9	13.8	15.6	17.5	16.6	15.8	15.2	22.0	24.2	22.4	21.6	20.6	18.6	16.6	16.6	17.0
28 Q	16.1	16.6	16.2	16.0	13.8	15.7	15.7	14.7	14.3	14.2	13.4	12.0	10.1	9.2	10.7	13.7	17.2	21.5	24.8	24.5	22.9	20.6	18.4	17.0	16.2
29	17.1	16.6	16.1	16.3	15.7	15.2	15.6	14.9	14.3	14.3	16.0	15.1	11.6	9.6	11.5	15.1	19.7	22.1	23.8	23.7	21.3	19.8	18.9	18.8	16.8
30	17.5	15.0	12.4	16.1	16.6	15.3	15.2	14.8	14.4	13.3	13.9	12.4	9.7	7.5	12.1	12.2	29.8	25.2	27.9	27.8	27.5	27.5	10.9	21.5	17.3
31 D	19.8	9.3	3.3	13.0	37.3	25.2	19.7	12.3	47.8	26.2	22.1	12.0	13.4	12.7	9.3	21.1	23.0	25.2	24.8	22.5	18.8	19.8	21.7	5.3	19.4
Mean	13.0	12.6	11.5	12.5	13.7	15.0	15.4	15.8	16.9	15.0	16.1	14.6	13.2	13.0	15.0	18.6	21.3	22.2	22.7	22.0	21.2	18.8	16.5	13.8	16.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 11. Agincourt. (Z.) 56,000 γ + March, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	250	247	238	230	235	223	207	217	217	212	205	218	220	217	215	220	221	222	226	229	229	226	228	228	224
2 Q	225	224	223	218	209	217	220	223	223	222	220	222	220	218	215	214	217	219	223	223	225	226	220	221	220
3	220	219	218	222	224	222	220	222	223	220	218	217	210	203	170	183	194	209	225	239	311	320	313	445	236
4 D	302	276	251	156	157	102	135	117	148	92	117	159	196	207	207	210	233	253	242	263	285	256	177	197	202
5 D	282	204	201	235	110	145	158	202	174	34	149	201	187	232	209	238	253	270	252	281	329	347	408	393	229
6 D	346	146	106	142	5	-27	87	225	173	196	135	194	228	225	229	234	232	238	249	264	271	298	264	258	196
7 D	251	254	251	251	251	249	246	244	237	204	122	169	200	213	230	228	224	246	252	251	248	248	289	270	234
8	271	263	224	187	197	154	158	151	187	198	174	194	191	230	234	228	239	251	251	280	283	304	257	280	224
9	262	275	211	238	215	198	209	162	142	161	180	194	221	222	213	224	236	246	265	272	269	191	192	191	231
10	272	257	257	238	190	214	186	195	181	201	210	210	213	215	223	230	230	246	247	251	268	277	281	270	232
11	282	216	232	244	217	180	178	181	204	210	223	227	223	220	218	219	226	229	247	250	239	237	237	244	226
12	242	241	204	224	234	222	214	223	226	229	229	223	214	222	222	222	221	223	232	245	241	242	241	239	228
13	235	228	222	229	227	216	205	203	212	223	228	229	228	219	217	217	217	221	223	227	232	233	240	237	224
14 Q	234	232	232	231	231	219	222	226	224	226	222	220	225	216	219	214	218	225	228	229	232	232	234	240	226
15	245	246	244	234	234	234	215	226	232	232	231	229	224	220	222	220	223	229	235	233	242	299	275	245	236
16	238	234	237	240	237	240	231	206	169	209	216	224	226	228	228	222	226	231	237	243	248	255	257	256	231
17	254	243	248	235	227	198	192	213	216	218	201	203	214	212	219	218	224	230	236	235	235	242	239	236	224
18	236	234	235	239	224	219	191	207	205	221	218	221	224	225	221	215	218	224	227	230	234	231	230	231	223
19 Q	227	228	225	225	227	225	224	221	222	224	223	221	221	218	214	213	212	215	221	219	224	226	231	228	223
20 Q	225	224	222	221	223	224	223	213	214	218	219	217	215	218	214	205	210	212	214	214	216	218	218	219	217
21	216	221	223	220	219	214	177	193	177	150	164	200	209	203	211	210	210	215	227	233	232	243	280	273	213
22	264	223	206	211	197	175	158	209	219	214	212	224	227	232	224	219	224	229	232	241	253	244	284	348	228
23	214	279	232	259	245	212	183	128	143	188	144	209	214	217	223	220	223	229	253	254	240	232	224	225	216
24	230	227	233	191	183	213	226	218	141	146	167	187	213	213	207	209	222	220	229	236	240	256	253	240	213
25	229	229	228	229	209	205	208	212	182	176	169	178	194	211	213	212	222	229	234	238	237	239	233	228	214
26	236	239	223	232	219	224	223	222	222	221	219	222	218	213	211	211	215	218	213	210	231	228	228	225	222
27	226	225	226	222	168	182	190	176	186	206	208	205	209	209	205	202	205	219	218	222	224	222	225	223	209
28 Q	221	219	219	217	216	220	218	217	218	217	216	218	221	215	210	206	209	212	214	219	223	223	219	218	217
29	215	215	216	218	217	215	216	215	215	211	209	208	209	209	207	204	204	211	213	217	218	222	227	231	214
30	244	251	236	231	192	201	211	215	217	215	215	216	215	211	208	206	205	217	228	245	254	312	317	311	232
31 D	326	105	215	180	54	157	185	195	42	103	186	214	225	217	221	210	244	243	231	248	270	245	266	287	203
Mean	249	230	224	221	200	196	198	202	192	195	195	208	213	217	215	216	221	228	233	241	248	255	259	263	222

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 12. Agincourt — March, 1952.

Day	Horizontal Force							Declination							Vertical Force						
	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	49	447	14	42	378	69	9	37	26.0	0	32	-0.3	26.3	0	25	253	10	10	194	59
2 Q	21	58	463	15	50	406	57	17	56	21.1	3	53	6.2	14.9	18	54	226	4	15	203	23
3	23	16	623	13	25	364	259	20	54	40.3	23	41	-8.4	48.7	23	39	569	14	31	161	408
4 D	2	57	491	4	43	201	290	8	9	45.2	2	34	-44.8	90.0	0	1	406	7	13	26	380
5 D	23	1	555	4	14	147	408	4	13	47.7	22	23	-23.1	70.8	23	2	508	4	13	-62	570
6 D	21	33	469	1	5	103	366	1	10	88.5	1	52	-39.5	128.0	0	8	406	5	39	-127	533
7 D	22	18	456	10	18	244	212	10	18	43.4	23	3	-23.1	66.5	22	44	380	10	22	30	350
8	21	0	479	16	39	343	136	21	1	30.8	23	59	-11.8	42.6	23	55	375	7	52	118	257
9	21	36	489	10	45	327	162	2	38	39.8	2	12	-11.9	51.7	23	13	414	8	4	118	296
10	21	15	468	6	48	372	96	6	57	26.5	23	38	2.0	24.5	21	48	291	6	55	145	146
11	20	44	457	0	24	371	86	5	27	30.6	1	13	-6.8	37.4	0	3	294	6	39	157	137
12	2	5	474	14	38	383	91	19	43	25.7	2	34	7.5	18.2	1	35	253	2	21	187	66
13	20	57	456	13	38	390	66	5	42	22.7	9	32	10.2	12.5	23	1	240	7	3	194	46
14 Q	22	15	453	15	20	404	49	16	45	22.6	13	21	9.4	13.2	23	59	244	5	43	209	35
15	20	55	489	16	46	404	85	20	5	31.6	13	3	6.6	25.0	21	38	319	6	26	203	116
16	21	50	469	16	18	396	73	20	8	25.2	4	33	6.3	18.9	23	38	263	8	27	146	117
17	21	45	476	14	12	374	102	5	53	27.7	3	27	4.7	23.0	0	12	257	5	57	153	104
18	10	44	452	15	32	394	58	6	35	26.6	4	10	-0.2	26.8	3	41	244	6	31	180	64
19 Q	8	38	450	15	40	406	44	16	10	21.4	14	38	9.4	12.0	22	22	231	14	38	210	21
20 Q	21	2	461	15	30	422	39	19	57	20.2	8	45	10.1	10.1	0	12	227	15	40	205	22
21	4	15	471	8	45	340	131	15	43	34.2	23	9	-14.0	48.2	22	56	312	9	26	107	205
22	23	50	626	5	23	353	273	6	8	29.2	23	57	-8.8	38.0	23	50	512	6	12	132	380
23	0	13	673	6	54	286	387	6	6	31.2	0	29	-76.8	108.0	0	17	555	10	24	102	453
24	0	42	496	8	10	345	151	8	39	46.3	3	53	-44.7	91.0	21	37	265	9	47	114	151
25	4	42	474	17	8	385	89	9	7	33.0	5	19	5.4	27.6	20	50	244	9	8	149	95
26	22	52	458	1	43	398	60	18	33	23.5	1	48	-9.9	33.4	1	40	249	18	10	209	40
27	4	20	489	16	25	387	102	7	23	27.4	4	3	5.2	22.2	22	52	232	4	32	150	82
28 Q	22	23	466	16	46	407	59	18	44	25.0	12	30	8.0	17.0	22	22	225	15	25	205	20
29	21	48	463	16	23	410	53	18	42	25.3	13	10	8.9	16.4	23	57	234	10	58	204	30
30	21	59	633	15	28	336	297	16	32	32.2	22	30	0.9	31.3	21	52	469	4	40	175	294
31 D	0	38	641	8	40	144	497	1	4	79.9	2	0	-18.5	98.4	0	38	359	1	4	-94	453
Mean			499			343	156			33.9			-7.8	41.7			324			132	192
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 13. Agincourt. (H.) 15,000 γ + . . . April, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	432	437	408	395	409	427	399	345	384	409	419	430	427	408	378	386	414	421	416	427	441	435	445	443	414
2 D	456	404	424	389	381	409	389	403	407	295	392	439	430	404	401	413	394	371	404	448	484	448	459	445	412
3 D	402	412	453	416	404	380	223	308	369	215	389	399	407	385	362	338	340	368	416	436	437	478	487	465	387
4	427	412	420	399	396	421	408	376	363	404	410	396	407	400	396	382	385	394	391	439	471	472	478	428	412
5	420	414	396	401	420	427	376	378	316	360	397	404	426	399	383	386	408	402	435	459	464	458	453	434	409
6	412	383	427	420	436	431	401	415	399	327	407	428	407	397	398	412	421	430	437	446	450	459	449	432	418
7	407	426	435	436	434	412	374	383	418	436	413	394	423	419	398	403	409	409	430	448	458	453	452	445	422
8	430	416	434	437	423	414	420	404	420	414	396	407	415	403	384	401	413	419	427	448	444	451	459	443	422
9	439	415	424	437	443	441	441	424	423	433	436	419	409	422	417	399	387	389	404	432	452	450	437	436	426
10	422	409	416	409	428	396	396	427	432	430	422	404	414	409	411	413	421	428	433	445	442	450	441	437	422
11	435	442	445	448	448	443	442	435	433	430	441	427	412	422	425	419	421	427	433	430	445	448	442	443	435
12 Q	437	441	443	440	436	433	433	440	433	441	449	445	436	426	419	416	423	436	442	454	448	443	448	456	439
13	453	443	422	378	407	437	441	441	445	445	443	442	438	432	423	423	426	432	437	443	446	453	456	453	436
14	443	446	446	447	446	447	450	447	451	453	443	445	443	440	432	425	428	438	452	453	456	450	453	456	445
15	453	448	436	453	456	443	435	443	445	450	434	422	435	414	432	420	420	425	430	437	451	451	456	462	440
16	451	451	435	441	442	417	422	440	441	447	448	445	439	427	423	418	422	432	443	446	451	456	450	456	439
17	457	453	445	432	404	400	435	440	425	435	443	446	430	417	411	407	419	428	436	443	448	456	453	456	434
18	451	448	447	446	447	450	451	456	448	453	453	459	456	442	432	432	432	440	442	456	463	474	457	447	449
19	427	429	440	432	442	435	441	440	441	441	440	433	419	394	396	419	428	432	425	421	446	471	441	435	432
20 Q	438	436	437	441	448	440	436	437	437	437	442	437	432	425	419	419	430	435	450	458	458	458	446	442	439
21 D	440	435	430	437	445	434	448	439	437	445	450	456	442	291	379	393	430	435	453	488	535	513	471	430	440
22	417	409	415	394	360	394	282	345	382	392	389	414	427	420	419	425	432	446	463	473	474	459	446	450	414
23	446	446	432	440	437	443	443	448	438	432	421	441	437	428	420	415	421	441	449	458	463	459	453	446	440
24	447	442	446	443	446	448	445	445	443	441	443	445	442	432	409	374	385	425	433	451	461	457	440	432	436
25 Q	432	445	447	446	447	448	448	448	448	448	443	432	443	436	425	415	425	443	453	453	458	461	454	453	444
26 Q	450	453	459	453	453	454	456	453	451	453	448	448	443	431	422	422	427	437	459	466	477	466	457	456	450
27 Q	452	452	450	448	453	450	456	456	453	458	458	456	446	437	430	426	437	443	452	458	459	466	484	477	452
28	473	446	450	433	427	407	414	437	442	437	422	411	413	413	412	404	411	426	436	446	456	465	467	472	434
29 D	466	441	430	438	464	402	392	332	399	427	430	406	407	419	414	404	365	411	437	550	523	482	533	464	435
30 D	443	434	422	442	394	397	436	409	351	363	348	385	415	420	411	404	407	435	451	453	497	521	504	495	427
31																									
Mean	439	432	434	429	429	426	414	416	419	415	426	427	427	414	410	407	413	423	436	452	462	462	459	449	430

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

Table 14. Agincourt. (D.) West. 7° + . . . ′ April, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	15.7	6.0	5.8	10.9	0.8	19.1	23.2	28.1	15.3	6.7	14.4	15.8	12.2	18.6	26.8	27.3	25.7	20.5	23.0	22.2	20.4	20.5	18.8	17.6	17.3
2 D	16.2	5.2	16.7	5.9	4.4	7.9	17.0	25.8	13.1	27.2	28.2	8.5	8.5	11.5	15.8	15.8	20.3	24.2	31.6	29.9	20.3	22.5	24.5	-6.1	16.4
3 D	9.0	9.3	6.2	23.1	13.1	7.6	5.2	33.4	13.4	38.8	21.4	13.1	10.3	12.1	13.1	23.6	23.5	29.1	26.0	26.1	19.5	17.6	19.9	8.1	17.6
4	11.9	4.4	8.9	14.4	14.9	14.1	17.1	22.2	28.2	4.5	13.4	13.3	14.0	14.4	13.9	17.0	23.1	23.1	24.9	17.6	12.7	21.3	12.1	17.4	15.8
5	9.6	12.7	0.2	4.3	12.5	16.0	31.3	20.0	6.7	8.5	19.8	12.8	9.0	11.0	15.9	22.3	26.6	25.3	23.6	26.2	19.2	18.5	11.2	9.0	15.5
6	-3.4	3.1	10.4	14.2	20.4	15.7	24.2	21.8	17.9	42.4	20.9	12.1	11.6	13.4	17.1	19.4	20.2	21.8	22.1	20.6	18.3	17.1	10.8	-9.1	15.6
7	10.3	15.4	13.1	15.8	15.8	25.2	25.3	12.7	6.7	8.5	12.1	18.2	14.3	10.5	15.3	17.9	19.8	24.8	25.5	23.4	20.3	14.0	17.6	16.4	16.6
8	7.1	12.2	18.2	15.1	3.1	17.8	19.0	17.1	14.5	14.7	19.3	11.3	10.7	12.6	15.0	19.6	22.3	23.3	24.2	21.2	24.0	22.5	24.1	19.1	17.0
9	4.3	16.7	16.4	19.4	17.1	19.7	18.0	22.2	23.3	14.5	13.1	11.6	15.2	13.1	12.7	16.9	20.4	24.6	26.2	23.6	20.6	20.7	16.7	13.3	17.5
10	8.0	7.1	21.5	13.4	17.8	18.8	23.2	16.3	11.2	12.2	12.6	17.6	14.0	12.6	15.1	17.8	20.3	21.7	21.2	20.3	20.0	19.4	18.3	17.4	16.6
11	16.2	15.1	12.6	18.7	18.0	16.9	18.5	22.5	16.1	14.3	10.7	10.8	16.0	16.1	16.1	19.4	21.7	23.0	23.9	23.5	21.2	19.2	18.2	17.1	17.8
12 Q	16.3	5.2	12.6	13.2	14.3	16.3	18.5	12.5	13.7	13.3	14.4	10.7	10.0	10.0	12.1	17.1	20.3	22.7	23.4	21.7	21.6	20.2	17.1	16.1	15.6
13	15.4	15.7	13.1	16.7	-7.4	14.3	16.1	14.4	13.5	13.8	14.9	13.1	11.7	9.8	10.8	13.8	17.6	20.2	22.3	23.3	21.6	19.8	17.8	16.1	15.0
14	17.0	16.5	16.1	16.1	16.2	15.8	15.2	15.2	14.9	16.7	15.8	12.0	9.8	9.5	11.0	13.9	22.1	23.0	23.1	23.0	20.9	20.3	18.3	16.7	16.6
15	16.1	15.4	8.9	12.0	12.0	13.1	15.3	16.1	16.7	12.2	15.2	16.7	16.9	18.0	20.5	18.4	18.9	19.0	20.4	20.4	20.2	19.4	17.6	16.7	16.5
16	16.8	15.1	13.1	16.1	16.3	12.4	20.3	10.0	11.3	12.1	9.9	9.8	9.2	10.3	14.0	17.1	20.2	22.4	22.2	22.2	20.7	19.4	18.1	17.6	15.7
17	16.7	16.0	9.4	8.8	9.4	13.1	14.3	15.2	16.1	19.4	13.4	11.9	11.5	11.5	12.4	15.5	17.5	19.4	20.7	21.0	20.3	18.9	17.6	16.7	15.3
18	17.0	17.2	17.1	16.1	16.8	15.4	16.1	15.3	13.4	13.1	11.9	8.9	7.0	7.6	11.6	15.2	18.9	22.5	25.1	25.2	20.3	15.8	15.8	17.1	15.9
19	7.0	14.1	16.2	16.1	16.7	15.7	17.6	18.9	17.4	14.5	13.1	10.7	8.9	14.1	24.2	25.8	20.8	20.3	24.2	28.1	23.1	21.2	18.0	16.3	17.6
20 Q	18.9	16.7	16.7	16.1	23.3	23.1	17.6	17.1	14.7	14.9	11.7	10.3	10.0	12.1	14.4	18.6	21.2	22.8	23.0	21.6	20.6	19.6	19.0	18.6	17.6
21 D	16.8	15.3	15.4	14.3	12.6	16.7	23.1	7.9	7.7	8.5	7.8	4.6	0.8	14.2	14.3	26.1	27.5	23.3	28.8	26.2	22.2	18.5	16.8	16.7	16.1
22	15.2	9.7	6.7	9.9	4.0	18.5	26.4	32.2	17.9	10.0	21.0	18.0	12.4	13.1	16.3	18.8	20.0	21.7	22.1	20.9	20.3	20.5	18.8	16.8	17.1
23	18.4	16.7	6.0	11.6	17.8	21.5	17.1	19.7	14.7	14.0	19.8	12.6	10.3	11.7	14.8	19.2	22.2	23.5	23.1	21.2	19.8	18.0	16.7	15.8	17.0
24	16.2	16.8	16.7	16.7	16.8	16.0	15.4	15.1	14.3	14.0	12.7	10.1	9.4	9.4	11.0	15.8	26.2	30.9	27.2	24.4	21.6	20.3	18.0	18.9	17.2
25 Q	17.6	17.0	17.0	16.8	16.1	15.2	15.8	15.1	14.9	14.3	12.5	15.3	14.0	11.2	14.0	17.2	20.9	23.9	23.1	22.3	20.8	18.9	17.1	15.8	17.0
26 Q	15.8	16.4	15.8	16.2	15.8	15.5	15.3	14.9	15.1	13.1	12.1	11.3	10.0	8.7	12.1	16.9	21.0	21.7	24.6	28.9	23.7	21.0	18.1	15.8	16.6
27 Q	16.2	16.7	16.1	15.5	14.1	15.3	15.3	14.4	13.9	13.1	11.3	9.7	9.3	9.0	10.0	14.6	18.9	21.0	21.2	20.9	20.2	18.7	17.5	17.6	17.2
28	18.2	3.9	14.4	1.2	7.6	4.0	7.9	9.8	12.1	11.6	9.4	16.0	14.3	17.3	22.2	23.1	25.3	28.9	30.3	24.2	19.8	17.3	18.1	16.8	15.6
29 D	6.3	12.4	14.0	13.1	10.3	8.9	8.8	44.6	7.3	6.3	4.0	4.9	13.2	13.6	9.4	16.8	20.7	27.5	26.2	22.5	4.4	19.4	6.8	1.6	13.5
30 D	8.0	13.0	9.9	14.9	25.4	31.6	17.6	12.7	26.7	24.3	28.8	16.8	11.1	8.9	14.1	15.2	21.2	19.9	19.2	14.4	17.6	11.6	12.5	5.6	16.7
31																									
Mean	13.1	12.6	12.9	13.9	13.2	16.1	17.9	18.8	14.8	14.8	14.9	12.3	11.1	12.2	14.9	18.5	21.5	23.2	24.1	22.9	19.9	19.1	17.1	13.8	16.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 15. Agincourt. (Z.) 56,000 γ + April, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	248	232	216	210	171	188	142	52	100	160	202	218	222	210	207	212	209	217	227	221	225	222	222	222	198
2 D	235	256	163	183	180	211	147	125	104	7	56	180	198	203	209	217	211	229	253	265	316	250	273	272	197
3 D	267	267	244	120	95	148	36	76	99	28	156	170	221	211	221	217	253	250	245	247	279	292	335	312	199
4	235	241	206	179	150	178	169	129	66	109	147	158	204	203	219	219	221	232	249	288	313	274	298	257	206
5	252	241	210	200	220	231	127	78	73	122	167	184	208	209	221	223	231	241	263	263	282	250	275	269	210
6	220	184	225	196	176	199	169	161	140	121	174	204	196	207	209	213	214	218	225	238	254	274	273	276	207
7	255	243	212	192	213	143	69	131	191	213	207	202	203	213	210	214	220	229	242	238	240	252	240	254	209
8	222	236	232	222	189	167	157	187	208	207	209	203	202	202	209	215	218	222	235	254	268	272	266	266	219
9	256	248	219	199	230	228	224	195	191	210	228	214	212	216	216	216	222	238	249	238	243	245	251	256	227
10	280	184	72	149	119	119	138	192	224	223	219	206	215	224	218	214	221	227	228	231	227	233	231	234	201
11	233	223	209	198	204	213	209	186	171	186	201	201	203	204	208	209	214	219	221	224	227	228	223	224	210
12 Q	226	215	203	211	211	214	204	192	204	206	213	212	209	212	208	204	198	208	213	222	224	224	222	221	211
13	218	228	236	173	204	170	232	227	225	221	217	209	212	209	209	208	207	213	221	225	225	222	224	224	215
14	220	219	218	220	220	219	218	218	217	212	202	208	207	206	206	212	214	212	214	217	220	220	220	220	215
15	218	218	220	203	190	195	203	214	208	207	202	195	187	194	195	193	202	208	217	223	224	220	219	222	207
16	214	215	220	213	182	159	118	185	197	205	211	211	212	206	206	204	205	206	213	219	224	227	224	219	204
17	214	214	214	172	138	184	190	209	205	207	207	208	213	212	211	208	205	207	213	218	218	220	220	219	205
18	217	214	214	214	212	211	214	207	213	208	211	208	207	201	203	203	202	213	217	223	232	253	264	295	219
19	253	244	216	189	182	203	207	209	214	217	218	213	211	203	202	199	203	212	226	250	247	250	264	252	220
20 Q	236	230	226	220	194	171	194	203	211	213	216	214	214	211	208	210	211	215	217	220	223	228	234	237	215
21 D	238	232	229	220	200	172	155	181	203	211	208	207	195	187	188	173	200	216	283	266	391	397	317	265	230
22	254	250	230	193	90	106	-35	23	105	136	151	195	214	214	218	216	220	221	217	215	218	220	214	221	180
23	220	222	212	202	217	206	197	176	196	204	191	200	202	207	212	212	212	216	211	221	219	221	217	217	209
24	216	215	214	212	215	210	213	212	212	213	213	211	207	205	202	202	206	212	216	222	228	243	261	241	216
25 Q	226	219	216	212	213	213	212	213	212	212	211	205	204	202	202	202	204	211	213	213	217	216	213	213	212
26 Q	212	212	213	210	212	211	210	207	207	205	209	208	203	203	203	199	202	204	207	210	225	225	219	219	210
27 Q	217	217	214	213	210	210	207	210	210	210	210	209	206	204	198	196	196	199	204	207	209	211	216	214	208
28	215	226	216	170	125	134	174	182	206	216	207	193	182	181	186	182	196	213	229	236	231	234	236	260	202
29 D	318	223	236	222	163	110	127	-2	125	189	200	194	193	181	188	192	207	266	282	372	356	282	312	237	218
30 D	272	246	140	200	92	34	127	169	150	145	87	160	187	210	214	213	228	242	246	269	269	282	312	237	197
31																									
Mean	237	227	210	198	181	179	165	165	176	181	192	200	205	205	207	206	212	221	230	239	250	246	251	244	209

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 16. Agincourt — April, 1952.

Day	Horizontal Force							Declination							Vertical Force						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	1	34	463	7	12	287	176	7	30	32.3	4	28	-7.3	39.6	1	22	280	7	31	8	272
2 D	23	0	538	9	45	210	328	9	57	59.5	23	11	-22.3	81.8	23	3	482	9	43	-81	563
3 D	22	50	488	9	5	123	365	7	2	65.7	2	18	-30.9	96.6	22	49	462	9	3	-69	531
4	1	14	536	8	7	208	328	8	8	45.3	1	43	-16.6	61.9	22	16	406	8	8	-45	451
5	20	42	488	8	58	291	197	6	56	55.2	23	58	-15.7	70.9	22	26	321	6	56	8	313
6	21	17	493	9	42	283	210	9	32	48.0	23	30	-25.7	73.7	23	22	338	9	33	95	243
7	20	51	466	6	54	347	119	6	55	37.4	0	1	-2.1	39.5	23	59	282	6	45	39	243
8	22	25	474	14	31	369	105	20	45	26.3	0	28	-5.1	31.4	23	58	285	6	57	128	157
9	0	18	479	17	3	368	111	18	41	29.6	0	33	-3.4	33.0	0	1	284	2	57	157	127
10	2	3	516	2	27	320	196	2	23	51.9	2	3	-42.5	94.4	1	57	438	2	18	-30	468
11	2	47	459	12	16	409	50	19	42	24.3	2	38	3.7	20.6	0	34	234	8	12	163	71
12 Q	19	55	473	15	7	416	57	18	45	23.4	1	35	-1.5	24.9	19	55	230	7	30	189	41
13	23	13	461	3	52	336	125	3	41	25.1	4	25	-5.9	31.0	2	21	237	3	38	113	124
14	23	50	468	15	44	404	64	17	8	25.6	13	18	8.0	17.6	20	51	224	10	8	191	33
15	23	30	471	13	16	397	74	14	17	22.2	2	33	3.9	18.3	20	19	225	4	57	172	53
16	3	45	474	6	33	400	74	6	23	34.6	5	28	6.2	28.4	21	22	230	6	19	87	143
17	23	47	461	4	53	384	77	5	42	23.4	3	2	-3.6	27.0	2	47	232	4	49	124	108
18	20	58	493	14	38	415	78	19	19	29.3	13	32	5.8	23.5	23	58	352	13	27	200	152
19	22	17	479	14	0	376	103	19	31	30.2	0	55	-4.3	34.5	0	3	366	4	15	170	196
20 Q	21	1	463	15	44	415	48	5	11	28.5	12	0	9.4	19.1	23	45	244	5	18	159	85
21 D	21	13	602	14	1	86	516	15	7	54.9	15	24	-10.2	65.1	20	48	447	14	57	125	322
22	19	37	490	6	27	183	307	6	19	40.4	4	43	-3.5	43.9	0	47	265	6	13	-100	365
23	20	58	468	10	7	409	59	7	10	29.3	2	22	-4.3	33.6	2	15	223	7	26	160	63
24	20	53	474	15	51	366	108	17	35	32.4	12	58	8.3	24.1	22	32	266	15	0	196	70
25 Q	21	13	474	16	4	412	62	16	58	23.6	13	21	9.8	13.8	0	1	232	14	52	198	34
26 Q	20	25	485	14	57	416	69	19	10	30.0	13	29	8.0	22.0	21	0	228	16	55	197	31
27 Q	22	53	495	14	50	423	72	19	2	21.7	12	58	8.5	13.2	0	24	220	16	20	192	28
28	0	45	479	4	47	383	96	18	9	32.6	4	8	-8.9	41.5	23	59	275	3	45	89	186
29 D	19	52	684	7	12	59	625	7	21	57.0	22	44	-14.4	71.4	20	0	518	7	9	-127	645
30 D	1	27	605	10	27	302	303	2	33	48.3	2	16	-34.9	83.2	1	26	403	4	57	-45	448
31																					
Mean			497			327	170			36.3			-6.4	42.7			308			89	219
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, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	446	440	401	387	399	414	387	338	376	417	416	378	404	417	410	420	411	431	456	458	479	469	469	476	421
2 D	447	426	361	400	412	399	415	378	376	374	394	416	389	404	401	401	417	435	461	484	470	463	493	478	420
3 D	440	425	400	426	424	441	409	375	432	427	421	433	423	414	400	381	387	415	451	481	505	576	576	512	441
4	422	384	397	409	386	428	427	416	420	427	418	409	397	404	417	402	431	451	445	468	496	485	502	493	430
5	446	411	414	422	430	412	421	412	426	385	412	422	412	422	417	419	431	442	456	459	476	471	482	462	432
6	429	416	425	438	458	437	395	354	365	376	397	412	414	417	417	412	419	445	460	461	462	462	452	450	424
7 D	436	440	446	453	414	414	313	278	326	248	394	404	395	339	320	306	350	383	438	492	535	574	540	445	403
8	435	442	445	425	433	430	433	399	391	446	428	415	417	420	407	398	425	446	456	463	461	458	447	450	432
9 Q	450	447	446	445	443	440	437	440	437	437	440	432	426	418	415	417	431	442	451	461	458	456	453	454	441
10 Q	453	450	456	452	450	453	451	446	446	441	440	443	433	431	425	425	437	446	450	458	460	457	453	456	446
11	453	456	458	458	457	459	459	462	463	468	461	468	453	426	423	437	445	451	468	463	466	471	462	464	456
12	453	425	435	442	447	453	451	443	448	448	449	443	439	434	432	427	437	447	462	471	474	482	473	461	449
13	458	454	456	456	453	459	459	459	460	461	458	456	433	430	456	453	456	466	471	477	463	456	462	463	457
14	441	417	428	443	450	467	467	456	456	453	452	448	447	444	441	445	456	463	474	479	473	471	463	463	454
15 Q	458	457	452	456	456	456	456	453	453	456	458	451	447	440	435	436	443	456	466	464	458	459	458	461	453
16 Q	459	461	457	451	456	458	456	458	458	457	456	458	458	452	450	445	450	459	466	466	468	468	462	462	458
17	457	453	458	459	458	461	466	461	458	458	461	461	456	450	443	440	449	466	477	492	492	501	504	485	465
18	479	457	422	436	451	454	448	411	440	466	427	435	456	434	419	409	419	433	471	481	488	469	468	456	447
19	438	450	450	445	456	445	442	435	416	385	453	451	440	425	414	409	426	450	468	468	473	461	452	459	442
20	448	452	466	458	451	457	456	456	450	452	458	451	431	433	427	433	426	442	457	463	468	459	462	452	450
21	457	456	451	458	456	455	458	452	451	445	461	452	444	435	423	430	440	450	456	463	471	460	456	458	451
22 Q	456	453	453	453	458	459	451	451	451	451	442	447	446	435	427	422	422	437	458	466	471	469	464	460	450
23	456	459	458	456	458	461	459	463	468	468	468	468	458	445	425	411	430	448	473	477	473	476	478	473	459
24	470	462	464	459	459	461	466	463	461	461	458	443	426	440	440	430	430	451	468	466	473	473	472	466	457
25	443	417	421	431	450	459	450	441	432	447	443	440	435	422	425	414	425	435	446	458	467	471	464	463	442
26	461	463	463	463	462	461	461	463	466	435	458	458	442	431	440	443	430	446	463	471	485	535	672	682	477
27 D	525	401	211	352	401	340	320	343	371	381	380	368	385	386	396	406	404	432	425	468	479	467	474	506	401
28	447	433	428	435	435	438	448	437	430	404	391	419	409	432	401	372	419	435	448	486	494	482	474	503	437
29	461	427	451	440	461	420	440	425	404	420	440	435	421	409	410	407	413	430	453	459	473	476	480	467	439
30	457	466	423	436	417	412	401	425	416	409	417	426	425	411	415	420	423	430	439	447	452	471	482	484	433
31	463	433	425	437	426	432	412	430	425	436	443	436	425	419	412	414	426	433	450	458	455	471	466	466	437
Mean	453	440	430	438	441	440	433	423	428	427	435	435	429	423	419	416	426	442	458	468	475	478	481	475	442

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18. Agincourt. (D.) West. 7° + . . . ' May, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	7.2	8.7	3.6	35.2	23.3	19.6	22.5	31.2	23.9	17.5	11.3	15.4	17.5	15.2	15.4	18.8	20.6	20.2	19.3	22.1	15.9	16.1	17.5	-0.7	17.4
2 D	-2.8	6.6	6.4	6.6	9.0	25.6	27.5	24.9	27.0	18.4	15.4	14.8	16.6	14.6	18.9	16.6	20.0	20.6	16.8	13.0	19.7	18.9	3.3	12.4	15.4
3 D	2.0	4.0	9.8	13.3	17.0	25.0	10.2	9.3	17.0	11.4	12.3	10.4	9.2	10.4	13.0	20.5	22.6	25.1	20.1	13.6	19.8	13.4	13.2	8.4	13.8
4	10.2	8.6	17.0	12.5	24.1	16.1	17.4	22.1	23.9	16.4	10.6	13.5	15.3	15.9	16.1	19.6	17.5	16.1	17.9	17.1	17.4	19.8	17.0	11.8	16.4
5	16.6	4.7	15.7	18.4	22.4	29.3	16.9	11.1	12.4	20.5	19.8	14.4	17.4	12.4	13.8	15.7	20.2	20.1	19.8	19.1	17.0	18.8	17.1	11.4	16.9
6	15.0	14.1	17.7	17.9	18.2	17.1	11.6	13.3	7.5	5.5	6.2	7.4	9.2	12.0	16.1	20.2	21.5	20.5	18.7	17.9	17.5	17.0	15.1	17.0	14.8
7 D	16.0	12.3	13.3	11.6	13.9	6.9	17.5	17.2	7.5	32.5	6.9	13.9	18.0	18.8	31.6	40.3	31.1	31.2	30.1	27.5	22.8	17.5	8.9	18.4	19.4
8	18.9	16.8	7.2	13.0	16.1	16.1	13.6	14.2	11.1	8.9	7.9	6.9	9.2	9.3	10.4	16.7	24.2	23.5	23.0	23.1	21.1	18.9	19.0	18.7	15.3
9 Q	18.1	17.4	18.0	17.0	17.4	17.0	17.8	15.6	14.8	13.9	12.6	11.4	11.6	13.0	15.2	18.9	21.8	24.3	25.1	22.9	21.1	19.3	18.1	18.3	17.5
10 Q	16.4	15.2	17.0	16.6	16.1	16.5	15.3	14.2	13.6	11.7	9.3	8.8	9.9	12.1	15.7	19.6	23.3	24.8	24.7	22.2	20.1	18.4	17.0	16.6	16.5
11	16.7	16.6	16.8	16.0	16.0	15.2	14.0	12.0	12.1	12.2	10.2	10.9	9.2	9.2	14.4	18.6	19.8	23.9	22.5	22.5	19.3	17.0	16.1	14.7	15.7
12	14.5	7.7	13.0	13.0	9.7	12.0	16.6	11.5	10.2	10.8	10.2	9.4	10.5	11.5	13.7	16.7	17.9	19.3	20.7	20.2	17.9	14.5	13.8	15.3	13.8
13	15.7	16.0	15.2	14.3	15.0	13.1	14.9	13.7	13.3	16.1	14.3	9.0	11.1	19.1	17.0	17.5	19.2	21.0	20.6	17.9	19.2	18.9	17.1	16.1	16.0
14	12.5	8.7	13.4	13.7	14.8	16.3	21.1	14.2	13.0	12.0	11.8	10.2	9.0	9.8	12.6	16.6	19.3	22.1	22.7	22.4	20.2	18.1	17.0	16.4	15.3
15 Q	16.0	15.6	14.6	16.1	15.7	14.8	15.0	14.8	14.4	13.6	12.4	11.5	10.9	11.7	14.8	16.5	18.1	21.1	22.1	20.1	19.3	17.9	16.1	15.4	15.8
16 Q	15.3	15.2	14.7	13.8	13.9	14.8	14.6	13.9	13.4	13.0	12.0	11.0	10.3	11.0	12.5	15.7	19.2	20.7	20.6	20.2	18.5	16.5	15.3	14.5	15.0
17	15.1	15.5	16.3	15.8	14.8	15.5	13.2	12.5	13.2	12.5	11.1	9.3	9.6	10.1	12.4	16.6	20.5	22.4	22.1	20.5	20.2	18.3	17.5	20.2	15.6
18	16.9	15.7	9.3	14.8	16.3	14.3	13.4	27.9	17.0	9.3	23.3	13.3	5.8	8.8	14.3	15.0	27.0	27.0	23.8	21.2	17.8	16.9	14.8	16.6	16.7
19	13.8	14.3	13.3	16.2	6.7	15.7	14.8	17.9	25.1	34.2	11.7	6.6	8.8	13.5	18.8	22.0	24.3	23.0	21.1	19.3	16.8	15.7	16.1	15.2	16.9
20	15.6	15.1	16.1	8.0	14.8	18.2	20.6	17.9	22.1	14.8	8.4	7.9	12.0	13.4	17.0	20.9	23.4	24.4	23.1	21.1	19.1	17.5	15.7	16.0	16.8
21	15.3	12.4	11.1	15.0	13.9	8.8	10.2	11.4	17.4	22.1	11.5	6.9	9.1	11.3	15.2	19.8	22.6	24.7	23.6	22.0	19.2	17.6	16.0	14.7	15.5
22 Q	14.2	14.8	15.7	15.7	15.7	18.4	17.0	17.1	15.5	14.7	14.2	13.0	9.7	10.2	12.8	16.0	21.1	23.6	23.0	21.6	18.8	17.0	15.3	15.0	16.2
23	15.3	15.8	15.3	16.3	16.0	15.4	15.1	14.8	14.1	13.7	11.9	8.8	8.4	10.5	12.6	18.2	16.2	25.7	27.9	25.1	22.8	20.5	17.5	15.4	16.4
24	12.5	15.4	13.7	17.0	12.4	14.2	22.1	17.8	16.0	13.7	11.0	9.3	14.3	14.7	13.9	14.6	19.0	24.3	24.2	25.3	23.3	20.6	16.6	13.7	16.7
25	10.4	5.8	9.2	11.5	16.2	17.5	14.3	15.6	27.9	12.2	7.1	6.9	5.6	8.2	10.1	13.9	18.8	22.1	22.3	22.1	20.4	18.2	17.0	16.2	14.6
26	16.5	16.6	16.2	16.0	16.0	16.6	15.3	15.1	17.0	30.3	6.2	3.3	-0.7	2.5	9.7	8.4	16.3	25.7	24.9	26.7	25.9	27.5	14.8	10.7	15.8
27 D	18.6	2.7	20.3	12.5	13.2	26.1	28.1	26.0	30.0	26.3	10.9	12.0	12.3	12.0	10.1	8.3	12.4	14.3	18.0	14.5	10.2	16.6	18.9	11.0	16.0
28	15.8	17.0	6.1	14.5	16.0	16.2	17.1	16.6	19.3	22.3	24.3	14.3	11.4	8.0	9.4	18.4	20.9	22.5	22.9	17.5	15.5	18.9	17.4	9.1	16.3
29	10.7	13.4	15.6	6.9	18.0	15.2	20.2	24.2	23.4	18.0	11.1	7.6	12.1	14.0	14.7	18.3	17.8	19.8	19.8	18.2	20.0	18.8	15.5	17.1	16.3
30	13.0	13.5	10.1	12.4	10.2	20.5	15.6	15.1	16.1	17.2	17.5	12.0	10.0	10.1	10.7	13.6	17.0	18.8	20.7	20.6	19.0	18.0	15.3	10.2	14.9
31	11.0	9.3	12.6	14.2	13.9	18.3	7.8	13.3	19.3	16.0	11.5	10.4	10.4	12.1	13.9	17.8	20.4	21.1	19.7	19.8	23.0	19.1	17.2	12.7	15.2
Mean	13.7	12.4	13.4	14.7	15.4	17.0	16.5	16.7	17.0	16.5	12.1	10.3	10.8	11.8	14.4	17.8	20.4	22.4	22.0	20.6	19.3	18.1	15.8	14.1	16.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 19. Agincourt. (Z.) 56,000 γ + May, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	266	140	184	71	94	108	122	74	110	134	154	171	193	199	205	206	215	229	242	257	266	246	249	254	183
2 D	231	220	124	95	172	140	168	131	104	111	148	184	176	205	199	216	225	229	255	280	252	265	273	249	194
3 D	227	225	168	155	122	103	154	111	180	207	219	225	220	217	217	220	235	243	264	316	338	402	341	319	226
4	193	229	187	183	92	150	177	163	165	182	192	210	205	211	223	215	228	235	245	266	290	285	301	288	213
5	279	219	235	243	213	164	190	163	202	168	153	169	184	207	207	209	211	220	226	226	235	241	282	265	213
6	272	266	248	233	180	140	111	71	64	98	152	193	142	147	148	213	217	220	225	228	230	239	246	260	189
7 D	258	232	207	200	157	141	42	34	18	-25	69	110	112	147	189	197	222	275	317	337	384	426	361	258	194
8	234	233	183	228	234	222	213	155	124	202	213	217	207	199	205	196	199	206	218	220	230	229	222	225	209
9 Q	222	222	218	218	219	215	218	217	218	219	221	218	213	212	210	206	212	214	214	218	221	221	221	222	217
10 Q	227	225	218	215	213	214	214	213	212	216	216	216	215	211	212	212	212	212	215	218	219	219	216	216	216
11	215	214	212	212	212	212	209	208	211	211	212	207	205	206	211	206	199	201	211	210	218	221	220	222	211
12	222	230	220	212	191	166	181	196	205	214	216	212	206	209	205	204	206	210	218	219	221	218	215	213	209
13	214	213	212	212	212	208	208	208	209	205	197	198	198	198	193	198	201	201	204	212	218	224	224	225	208
14	230	232	232	222	215	192	181	203	209	211	212	211	209	206	206	198	201	203	205	209	212	212	213	212	210
15 Q	210	210	211	212	211	210	209	211	209	211	212	210	207	206	209	209	207	204	198	203	209	215	215	215	209
16 Q	212	212	210	212	206	207	206	206	207	209	209	208	212	209	201	196	196	201	203	201	203	209	212	213	207
17	212	210	209	207	208	205	195	196	203	206	209	206	205	203	198	195	195	195	201	204	204	209	213	215	205
18	224	249	260	232	224	215	189	97	132	174	154	142	186	195	202	200	203	206	218	224	230	226	224	224	201
19	231	222	218	215	111	163	201	198	147	106	180	196	201	204	205	206	215	218	224	226	231	232	227	226	200
20	224	221	198	205	199	202	192	180	179	192	206	201	179	195	199	201	196	203	208	210	217	227	227	221	203
21	219	217	211	209	209	190	186	199	203	178	200	205	197	196	200	200	202	202	208	211	217	217	212	214	204
22 Q	214	210	208	208	203	197	199	200	205	207	205	202	203	202	200	198	202	202	199	205	214	214	214	213	205
23	210	206	208	209	208	204	205	205	205	208	210	205	204	202	201	204	202	200	202	207	207	212	218	220	207
24	221	217	199	173	198	202	185	194	198	208	208	202	200	195	188	182	179	182	188	200	206	211	217	227	199
25	253	250	243	225	211	185	204	205	149	174	143	151	154	152	149	200	200	202	205	208	208	208	206	206	195
26	205	205	208	205	205	205	205	205	192	93	177	198	188	188	179	174	187	189	194	213	249	316	447	419	224
27 D	245	217	204	140	218	170	133	124	127	139	151	174	186	194	207	217	226	229	243	265	309	267	250	264	204
28	232	228	212	220	221	209	194	181	191	170	153	179	135	144	138	217	231	220	226	254	266	259	262	243	208
29	244	232	201	174	156	161	156	135	108	132	180	202	205	202	204	203	208	221	236	252	249	256	259	236	201
30	231	206	200	139	154	131	147	158	150	164	176	179	197	203	209	207	207	206	213	223	230	231	232	233	193
31	243	236	188	216	163	95	157	189	203	207	216	216	213	212	208	210	210	208	217	223	235	243	246	236	208
Mean	230	221	208	197	188	179	179	169	169	172	186	194	192	196	198	204	208	212	221	231	239	245	248	241	205

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 20. Agincourt — May, 1952.

Day	Horizontal Force							Declination							Vertical Force						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	20	51	522	7	37	293	229	3	38	51.6	23	25	-16.2	67.8	0	33	334	3	36	-27	361
2 D	22	34	513	2	59	188	325	2	53	59.3	22	47	-9.9	69.2	22	30	328	2	54	-112	440
3 D	22	40	634	3	0	353	281	5	33	34.1	21	56	-34.6	68.7	21	50	507	4	48	22	485
4	23	8	522	4	23	363	159	4	31	35.2	0	1	-5.5	40.7	22	58	347	4	31	22	325
5	22	57	494	9	48	353	141	5	29	33.9	1	6	-6.6	40.5	22	48	325	9	58	106	219
6	4	50	482	7	20	292	190	5	30	28.4	6	47	2.9	25.5	0	29	276	7	0	20	256
7 D	22	6	717	7	25	-8	725	7	24	59.5	22	21	-12.6	72.1	22	8	562	9	38	-144	706
8	2	46	510	8	2	373	137	2	49	26.9	2	33	-9.1	36.0	2	25	285	2	47	90	195
9 Q	19	42	463	15	15	414	49	18	5	25.4	11	57	11.0	14.4	23	46	225	15	5	205	20
10 Q	20	45	464	15	17	420	44	17	48	25.4	12	27	7.8	17.6	0	41	231	14	35	210	21
11	18	33	484	14	35	404	80	17	34	28.2	12	52	7.5	20.7	23	33	223	17	43	195	28
12	21	22	487	1	7	412	75	18	43	21.6	1	20	5.2	16.4	1	15	236	5	55	130	106
13	19	57	487	13	17	407	80	13	30	21.6	11	21	8.4	13.2	23	38	228	14	2	188	40
14	6	5	483	1	13	413	70	6	17	24.3	1	15	2.7	21.6	1	15	235	5	53	166	69
15 Q	19	0	467	14	55	430	37	18	20	23.0	12	28	10.2	12.8	22	43	216	18	45	198	18
16 Q	21	21	473	15	21	441	32	17	38	21.5	12	48	10.1	11.4	3	40	213	16	23	192	21
17	22	25	526	15	27	433	93	18	2	24.0	10	10	8.4	15.6	23	56	224	15	26	190	34
18	20	8	518	16	7	386	132	7	28	39.9	12	13	4.3	35.6	2	12	310	7	41	24	286
19	4	36	495	9	18	316	179	9	22	50.2	4	23	-15.1	65.3	0	43	238	9	23	54	184
20	20	10	487	16	19	410	77	8	46	28.0	3	29	-3.0	31.0	22	28	232	8	47	169	63
21	20	23	477	14	34	416	61	9	17	29.2	11	47	4.7	24.5	0	5	220	9	15	170	50
22 Q	21	10	473	14	58	419	54	17	40	24.2	12	50	8.8	15.4	0	20	215	15	41	194	21
23	22	2	487	15	33	397	90	17	59	28.0	12	18	7.9	20.1	23	50	220	17	9	195	25
24	22	10	507	12	27	417	90	19	29	26.1	0	17	8.0	18.1	23	59	241	3	26	158	83
25	21	47	473	1	38	406	67	8	26	34.9	1	34	3.8	31.1	0	38	264	8	35	123	141
26	22	57	736	16	38	401	335	9	30	38.2	12	32	-3.7	41.9	22	25	489	9	34	64	425
27 D	(0	13	1090)	2	42	-40	(1130)	2	46	66.6	1	0	-28.0	94.6	0	22	555	3	19	-16	571
28	23	15	524	15	31	343	181	9	57	32.4	2	42	-4.9	37.3	22	51	293	10	3	131	162
29	0	1	504	8	56	381	123	8	48	35.2	3	47	-9.3	44.5	22	27	267	8	51	73	194
30	22	52	501	3	16	363	138	3	11	30.3	4	43	3.8	26.5	22	50	247	3	8	67	180
31	21	34	493	6	45	396	97	5	4	36.0	1	17	-0.2	36.2	1	13	272	5	2	58	214
Mean			532			355	177			33.6			-1.4	35.0			292			100	192
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, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	459	455	450	453	430	437	443	436	445	432	437	443	435	425	415	415	425	439	451	457	463	453	463	456	443
2	453	456	453	450	456	447	445	447	447	442	440	443	433	423	419	425	427	434	452	466	452	454	463	457	445
3	459	453	448	447	442	443	447	445	447	448	447	441	432	423	412	419	435	453	473	483	476	468	463	466	449
4	441	440	446	442	446	449	451	450	448	446	444	439	437	435	437	438	447	461	471	466	465	468	463	459	450
5	456	456	448	438	440	450	448	443	442	437	434	437	440	432	430	430	436	446	463	468	466	475	474	466	448
6 Q	458	454	453	451	452	461	459	456	447	443	452	454	447	439	437	435	445	455	463	471	474	469	473	461	454
7 Q	464	459	456	458	455	458	458	450	450	451	450	450	452	445	435	436	446	461	478	488	485	487	478	474	459
8	479	481	473	473	472	474	474	461	459	450	456	448	466	456	447	448	440	461	468	492	513	502	479	473	468
9 D	459	456	447	448	450	456	471	456	456	456	435	442	442	409	411	442	453	453	474	491	488	495	473	476	456
10	461	461	452	469	463	461	461	466	463	462	458	459	452	433	440	437	451	454	462	463	485	479	479	467	460
11	457	453	453	451	452	461	440	456	456	458	452	451	455	442	442	446	450	451	463	473	485	479	461	466	457
12	452	457	446	451	454	457	456	456	463	458	457	454	448	446	451	438	432	438	453	463	466	463	472	462	454
13 Q	463	462	463	461	458	459	456	461	459	459	463	458	456	450	446	445	453	456	462	459	473	475	472	464	460
14 D	468	473	472	473	484	476	469	466	443	432	441	427	436	462	451	428	409	418	440	447	469	513	456	462	455
15	463	457	457	422	440	451	454	458	463	458	453	448	445	442	445	447	448	451	458	481	479	477	466	470	456
16	458	456	453	472	456	414	432	461	425	438	446	443	445	452	430	421	422	446	463	473	479	463	466	466	449
17	469	456	469	457	441	455	435	460	458	445	440	451	442	430	420	425	442	454	462	462	468	478	474	471	453
18	461	430	436	457	445	448	457	456	461	459	461	452	451	444	440	443	453	461	467	478	489	497	466	466	457
19	466	467	464	458	459	463	464	466	459	456	459	460	450	440	448	453	453	458	463	473	473	462	458	456	460
20 Q	458	466	458	461	461	458	458	461	462	458	458	461	457	451	443	444	452	465	476	477	477	484	478	469	462
21 Q	458	456	463	464	469	463	467	466	466	463	459	456	451	456	438	439	441	452	472	476	473	485	481	477	461
22	473	473	474	472	468	466	464	471	469	466	463	454	443	435	457	452	442	446	471	404	518	478	483	471	467
23 D	449	442	441	464	448	456	461	441	451	430	433	404	399	407	406	402	420	427	438	457	497	494	495	473	443
24 D	469	476	422	399	433	420	457	447	433	436	438	423	416	386	377	370	403	420	438	458	491	477	474	478	435
25	459	456	453	461	456	451	452	445	448	458	456	456	446	436	429	434	442	454	463	473	489	520	493	499	460
26	453	471	461	461	451	461	456	443	456	451	445	433	437	422	415	419	431	442	459	473	469	469	466	463	451
27	452	472	463	458	451	461	455	443	456	451	446	432	437	423	415	415	418	438	461	458	463	469	482	480	450
28	459	458	452	456	457	456	456	452	455	453	448	442	451	453	453	440	431	442	447	452	461	472	474	470	453
29	467	463	463	457	459	452	447	452	453	455	456	451	447	442	441	437	447	463	479	494	549	541	533	554	471
30 D	484	473	512	510	171	63	-40	-15	-133	125	280	394	385	386	399	404	420	432	443	462	473	473	464	451	334
31																									
Mean	461	459	457	456	444	441	438	438	434	439	443	443	441	434	431	431	437	448	461	471	480	481	474	471	451

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

Table 22. Agincourt. (D.) West. 7° + . . . ′ June, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	18.0	18.3	18.0	16.9	11.0	16.9	14.2	12.5	14.7	18.4	13.4	8.8	9.0	11.5	15.2	18.7	21.0	22.4	21.4	21.6	20.7	18.7	16.0	16.9	16.4
2	17.5	17.8	15.7	15.3	13.2	16.3	16.6	17.9	14.9	12.9	11.1	10.6	9.8	10.8	15.0	18.3	19.4	21.5	22.8	24.1	22.8	20.1	17.6	16.9	16.6
3	16.5	16.9	13.1	16.4	11.9	12.9	15.1	14.2	13.8	12.5	11.0	10.6	10.1	11.9	13.5	15.6	19.7	22.2	24.0	22.6	20.6	19.2	18.8	15.2	15.8
4	13.2	14.5	15.7	16.5	16.8	16.5	16.1	15.9	14.1	15.9	11.9	11.0	10.0	10.2	13.4	18.1	21.0	22.5	23.5	23.2	21.0	20.0	18.3	18.2	16.6
5	17.8	16.9	16.5	13.2	14.7	16.3	15.3	12.1	17.3	10.1	8.7	7.4	7.3	8.8	10.4	16.0	21.4	22.8	21.4	21.0	21.0	19.5	17.6	16.5	15.4
6 Q	12.2	15.3	16.5	15.6	15.4	15.6	15.6	15.3	11.6	8.9	8.3	8.8	9.1	11.2	14.0	17.4	18.9	20.6	21.4	21.4	20.4	18.9	16.9	16.9	15.2
7 Q	17.4	17.3	14.6	13.7	14.1	14.7	14.3	14.3	14.1	14.3	10.5	8.8	9.2	9.9	12.9	15.7	20.6	24.3	26.4	25.2	22.8	20.6	18.6	18.2	16.4
8	17.4	17.8	14.6	12.7	15.3	15.2	11.9	12.1	11.0	8.3	12.3	7.4	5.2	5.2	8.8	16.9	19.2	22.5	22.0	19.6	18.3	16.0	16.0	14.5	14.2
9 D	13.0	11.9	12.8	11.8	12.1	-3.4	9.5	12.0	17.0	13.8	10.5	8.9	8.7	9.7	22.3	24.1	20.5	22.0	21.1	21.0	22.2	18.7	18.8	15.4	14.8
10	8.8	14.4	14.1	13.4	15.5	16.1	22.9	20.8	17.0	14.7	15.2	12.5	10.6	12.9	16.4	19.1	21.0	21.0	22.9	24.3	21.3	20.5	17.9	9.9	16.8
11	12.4	15.9	13.3	12.2	13.8	16.5	19.7	18.7	15.0	14.3	14.3	13.5	10.6	10.0	11.9	16.0	17.0	17.3	19.2	20.6	21.1	22.4	20.5	19.2	16.0
12	12.0	14.6	14.5	12.4	14.6	15.0	14.7	18.9	15.9	16.2	12.8	11.0	12.2	13.3	12.9	15.9	17.2	19.1	19.6	20.0	19.7	20.5	18.8	17.5	15.8
13 Q	16.8	16.9	17.0	16.2	14.3	13.8	17.1	17.1	14.7	13.2	12.2	10.8	9.2	9.1	10.7	14.1	17.8	19.8	19.1	18.7	17.1	16.8	17.2	17.1	15.3
14 D	17.2	16.3	16.0	15.4	15.5	13.7	11.0	16.9	27.1	17.5	7.8	14.0	18.3	15.2	12.3	14.9	17.4	21.9	18.4	22.3	22.0	16.2	18.0	13.1	16.6
15	16.0	16.9	14.7	10.1	11.0	12.8	13.9	14.7	21.1	18.7	10.5	13.2	13.9	15.1	13.8	15.3	18.5	18.7	20.1	20.6	21.6	20.4	17.8	15.1	16.0
16	13.5	14.8	11.5	14.1	15.1	14.2	19.2	8.2	8.7	15.6	9.6	11.5	13.9	12.3	14.0	19.6	19.7	21.3	19.1	17.2	17.4	18.6	16.9	15.9	15.1
17	14.9	10.7	14.9	15.2	15.3	12.2	15.3	21.3	14.4	13.2	18.0	13.3	11.3	13.3	14.9	19.0	20.7	20.0	20.1	21.6	22.0	20.0	17.7	15.2	16.4
18	13.2	9.2	11.9	15.0	11.7	12.4	14.8	15.8	15.6	15.2	14.6	15.2	10.1	9.1	11.0	14.2	16.9	18.8	19.9	21.0	21.7	18.3	18.2	17.0	15.0
19	17.3	16.3	16.0	15.4	15.6	16.5	15.6	16.4	15.8	14.2	13.3	11.5	11.9	11.9	14.3	15.9	17.9	19.7	21.7	22.5	20.2	19.7	17.5	16.9	16.4
20 Q	16.6	15.9	16.2	14.6	16.7	16.2	16.4	16.6	17.6	15.8	13.5	12.4	11.0	9.7	11.9	17.4	21.9	25.3	24.1	22.8	19.9	17.2	15.1	14.4	16.6
21 Q	15.0	13.6	16.3	16.8	16.7	15.9	15.8	14.7	14.0	12.7	10.9	9.7	9.9	9.6	10.8	14.5	19.2	23.1	22.6	21.9	21.0	19.1	16.9	16.3	15.8
22	16.9	17.3	17.2	16.4	14.3	13.1	15.4	14.0	11.4	8.6	7.0	5.5	7.9	5.2	14.5	18.2	21.9	29.0	24.6	24.1	22.7	20.5	18.5	17.2	15.9
23 D	15.8	17.7	6.8	4.6	13.7	13.6	13.4	10.3	18.2	7.8	4.6	14.0	12.7	16.8	9.6	14.6	16.7	20.9	22.2	22.8	20.5	20.1	17.0	18.5	14.7
24 D	13.9	7.2	8.1	0.9	10.9	26.2	22.3	14.6	16.8	25.9	11.8	11.4	15.5	22.8	19.1	22.3	21.3	21.9	21.9	20.3	17.2	17.1	15.1	10.0	16.5
25	14.9	15.8	15.8	15.7	16.4	18.2	16.8	19.9	26.5	21.5	16.0	12.7	11.4	13.2	15.9	19.2	20.5	22.3	24.6	26.8	24.9	21.8	20.1	15.8	18.7
26	16.8	14.6	8.3	9.1	11.8	13.5	13.4	14.6	15.8	11.1	9.5	11.9	9.0	10.3	15.5	15.6	18.2	19.1	19.1	19.1	20.7	20.7	19.0	17.4	14.8
27	15.9	15.0	14.5	18.9	10.6	12.2	16.2	21.6	15.8	13.7	13.6	10.4	8.5	11.9	12.1	15.5	20.9	19.9	19.0	22.6	22.4	20.4	17.7	16.8	16.1
28	17.9	17.2	16.4	17.5	16.4	16.5	16.4	15.2	14.6	13.6	15.4	16.8	14.1	10.6	11.8	14.1	15.9	18.1	18.2	18.3	18.5	17.8	16.9	16.7	16.0
29	16.8	17.2	17.2	16.8	13.6	14.4	14.7	15.8	19.6	15.9	12.8	10.0	8.7	10.6	12.2	16.8	19.6	21.8	22.7	20.4	19.1	22.3	23.0	15.6	16.6
30 D	14.2	19.0	17.7	11.0	0.6	37.0	36.0	15.1	67.0	31.5	33.3	12.3	7.0	7.2	8.8	15.2	19.2	22.3	22.6	21.8	20.3	20.4	19.8	19.8	20.8
31																									
Mean	15.4	15.5	14.6	13.8	13.7	15.4	16.4	15.6	17.8	14.9	12.5	11.2	10.6	11.3	13.4	16.9	19.4	21.4	21.6	21.7	20.7	19.5	17.9	16.2	16.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 23. Agincourt. (Z.) 56,000 γ + June, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	220	216	211	214	207	193	193	201	213	204	201	210	209	207	207	203	199	199	201	208	218	219	224	220	208
2	222	219	204	208	190	196	205	204	210	212	210	210	207	203	203	204	202	204	213	220	224	223	222	219	210
3	216	216	216	204	190	206	210	213	214	216	214	212	211	210	204	196	194	196	204	218	222	222	224	231	211
4	228	228	226	224	220	216	213	212	210	213	214	214	214	208	202	202	206	206	209	213	220	225	223	222	216
5	225	226	228	223	228	219	204	196	202	208	213	210	204	204	201	194	201	201	202	216	225	228	230	233	213
6 Q	228	222	222	222	216	207	189	190	193	200	210	210	210	207	202	193	195	202	204	210	213	212	213	213	207
7 Q	214	216	207	200	207	206	207	203	205	207	208	212	211	206	204	196	193	199	201	204	212	219	223	222	207
8	218	216	225	217	220	211	199	175	172	166	193	171	181	182	189	187	183	193	201	210	217	236	234	224	201
9 D	222	222	216	219	189	131	142	184	199	198	199	203	202	200	201	197	191	193	201	210	216	226	230	240	201
10	229	218	218	183	174	190	166	171	185	197	201	197	200	200	202	209	204	205	208	205	222	236	246	245	205
11	223	218	212	200	199	172	133	150	188	199	200	195	193	191	194	200	195	186	189	194	206	215	223	223	196
12	225	213	212	205	204	197	192	189	197	201	204	204	202	198	200	201	192	188	196	203	208	210	213	209	203
13 Q	211	209	209	207	209	203	198	191	203	208	210	207	202	198	198	199	207	209	207	212	216	215	215	214	206
14 D	213	212	210	206	189	179	192	179	107	108	154	158	133	162	180	189	184	195	219	245	247	245	261	248	192
15	224	213	212	188	173	192	207	202	186	162	185	190	180	186	192	197	200	201	209	217	219	215	221	224	200
16	222	217	222	167	192	115	89	160	159	156	180	195	195	200	195	197	210	203	206	206	213	210	213	213	189
17	217	212	197	189	160	189	166	159	176	183	190	199	198	202	207	213	208	202	202	206	213	218	216	219	198
18	225	236	218	177	171	198	206	208	209	206	206	194	192	200	198	193	198	200	204	212	215	221	218	215	205
19	209	210	210	211	210	204	200	204	206	209	209	209	209	206	202	192	185	186	193	201	209	206	209	212	204
20 Q	209	209	206	206	206	202	200	202	202	206	209	209	205	205	205	200	195	192	193	201	208	207	206	209	204
21 Q	209	209	206	205	206	205	205	204	206	207	205	205	204	201	200	198	203	195	196	201	209	212	216	216	205
22	214	209	209	207	206	204	207	204	203	215	208	203	198	195	203	194	195	204	224	249	277	282	269	262	218
23 D	262	254	230	183	180	203	206	160	112	141	186	180	170	172	189	196	203	210	214	217	230	248	276	257	203
24 D	242	183	145	176	222	159	128	159	159	151	179	186	177	166	183	203	224	228	228	236	249	235	229	236	195
25	221	218	216	209	207	200	199	194	179	186	198	194	188	192	198	198	201	209	212	216	224	236	245	248	208
26	242	230	236	219	212	208	198	203	190	203	209	207	212	207	209	213	219	206	201	211	216	212	213	213	212
27	216	212	216	179	180	190	160	154	179	193	198	206	207	212	206	198	193	196	215	223	229	231	242	239	203
28	227	219	217	212	211	209	206	206	209	212	209	203	201	204	204	203	203	200	198	201	209	209	212	211	208
29	210	210	209	210	203	206	206	206	198	200	201	202	203	203	206	203	200	195	193	201	226	247	272	316	213
30 D	271	265	329	252	-13	-112	-78	-196	22	-17	65	217	231	228	230	231	230	231	229	224	223	221	218	221	155
31																									
Mean	223	218	216	204	192	183	178	176	183	185	195	200	198	198	200	200	200	201	205	213	221	225	228	229	203

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 24. Agincourt — June, 1952.

Day	Horizontal Force						Declination							Vertical Force						
	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	36	469	15	0	403	66	17	49	23.0	12	1	8.3	14.7	0	1	227	5	47	181	46
2	19	45	474	14	10	415	59	20	17	25.0	3	57	7.7	17.3	21	6	227	4	48	184	43
3	19	13	493	14	48	407	86	18	31	24.6	23	46	8.3	16.3	23	30	235	4	5	185	50
4	18	55	476	13	33	428	48	19	18	24.1	13	1	9.2	14.9	0	18	231	14	19	201	30
5	21	3	483	14	55	424	59	16	50	24.1	12	29	6.4	17.7	23	30	234	7	22	189	45
6 Q	20	14	480	15	23	434	46	19	2	21.8	0	43	7.3	14.5	0	32	236	7	30	183	53
7 Q	19	48	495	15	22	431	64	19	1	27.6	11	45	8.3	19.3	22	35	224	16	0	193	31
8	21	6	571	16	57	417	154	17	0	24.3	11	45	-0.1	24.4	21	5	243	9	11	148	95
9 D	21	45	559	14	7	390	169	15	8	35.6	5	34	-15.6	51.2	23	40	249	5	38	102	147
10	21	3	509	14	59	420	89	6	24	26.2	23	39	3.2	23.0	23	33	256	6	34	153	103
11	20	33	514	6	37	425	89	6	54	30.1	0	45	4.1	26.0	0	41	229	6	45	114	115
12	22	42	484	16	11	426	58	7	29	22.3	0	54	6.0	16.3	0	13	228	7	29	183	45
13 Q	21	8	489	14	53	443	46	7	5	21.9	12	50	8.8	13.1	22	35	218	7	6	186	32
14 D	21	36	550	16	53	396	154	8	48	30.1	10	37	3.3	26.8	23	4	278	8	47	66	212
15	20	26	494	3	42	399	95	8	38	25.1	4	16	1.4	23.7	22	51	230	4	4	139	91
16	3	28	498	5	50	354	144	6	14	27.7	3	24	-1.6	29.3	0	23	228	5	51	12	216
17	21	6	484	16	14	410	74	7	8	26.6	2	45	3.5	23.1	23	59	222	4	19	147	75
18	21	32	513	1	26	422	91	3	55	24.7	1	34	5.3	19.4	1	18	248	3	53	136	112
19	20	32	482	14	45	431	51	19	30	23.3	12	29	9.9	13.4	0	1	215	16	45	180	35
20 Q	21	41	492	14	36	434	58	17	47	26.0	13	13	9.2	16.8	1	12	213	18	16	189	24
21 Q	21	33	490	14	33	435	55	17	36	24.4	13	10	8.8	15.6	23	4	218	17	49	192	26
22	20	16	556	13	56	411	145	17	38	37.1	13	35	1.4	35.7	20	51	292	6	16	183	109
23 D	20	38	525	13	3	353	172	8	51	25.4	3	17	-11.5	36.9	22	32	286	8	11	79	207
24 D	1	15	515	15	38	361	154	5	52	34.3	1	58	-5.8	40.1	0	10	259	6	0	104	155
25	21	56	554	14	8	421	133	20	0	27.9	12	6	8.2	19.7	23	42	260	8	23	174	86
26	2	36	486	15	8	401	85	20	39	22.1	2	58	4.6	17.5	0	36	250	8	19	182	68
27	23	18	498	14	21	401	97	7	13	32.2	4	42	5.8	26.4	22	55	251	7	16	139	112
28	22	31	476	16	24	423	53	1	0	19.2	13	31	8.7	10.5	0	1	234	18	26	198	36
29	23	38	585	15	10	432	153	23	54	30.5	23	34	3.6	26.9	23	32	371	18	5	188	183
30 D	2	38	541	(8	5	-460)	(1001)	(8	20	146.1)	7	51	-46.2	(192.3)	3	22	434	7	43	-326	760
31																					
Mean			508			383	125			30.5			2.4	28.1			251			140	111
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 25. Agincourt. (H) 15,000 γ + . . . July, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	442	442	442	446	446	443	442	442	443	446	446	443	438	435	432	435	443	456	473	479	507	540	466	467	454
2 Q	454	457	456	456	451	454	454	461	451	448	449	451	446	443	440	445	448	452	460	466	469	473	467	461	455
3	453	458	453	456	458	458	459	454	453	456	458	456	446	432	427	442	471	478	474	474	477	478	471	462	458
4	461	454	453	451	453	457	461	461	458	458	459	461	457	454	451	466	453	462	455	466	466	465	474	476	460
5 D	484	474	465	467	454	407	417	394	394	433	449	453	410	392	437	402	365	453	505	525	565	514	444	443	448
6 D	441	443	444	446	460	468	453	407	434	443	439	452	449	437	426	423	429	439	447	458	460	463	459	458	445
7	457	451	455	458	454	454	454	449	447	452	455	455	446	438	437	426	427	432	448	465	470	467	459	457	450
8	455	458	457	453	452	459	466	458	463	458	455	457	454	439	427	441	447	452	458	455	464	473	479	468	456
9 D	463	468	468	448	443	455	462	444	446	406	442	454	452	436	422	419	444	468	469	472	458	458	468	464	452
10	464	457	457	462	459	436	449	462	462	459	445	434	439	448	431	429	410	426	437	464	473	484	472	462	451
11	459	447	444	446	423	455	452	459	467	462	457	456	445	436	438	436	444	454	460	462	469	474	474	475	454
12	472	454	441	456	442	455	462	465	467	465	457	457	452	449	451	449	449	449	459	468	483	490	474	478	460
13	478	475	474	468	462	469	470	467	464	467	465	468	465	448	441	446	455	458	470	475	475	478	475	473	466
14	469	458	456	452	457	472	472	464	459	457	453	439	434	431	433	424	447	470	480	479	490	479	477	473	459
15	464	459	464	478	464	449	458	467	464	454	458	458	449	434	431	439	455	477	484	484	484	485	470	454	462
16	447	458	458	460	458	463	460	453	455	455	459	468	462	447	444	447	456	467	470	478	475	475	468	467	460
17	464	462	462	470	462	446	444	452	459	460	465	462	453	436	431	444	457	472	488	493	478	476	478	471	462
18	472	466	470	466	452	452	452	452	451	444	444	444	441	434	439	449	454	464	472	469	464	470	470	462	456
19 Q	470	467	467	462	464	462	468	467	467	471	473	472	472	462	452	447	442	448	455	467	472	480	495	480	466
20 D	479	482	477	477	478	481	485	496	495	483	438	452	462	465	437	446	435	460	495	505	518	516	506	483	477
21 D	473	450	446	432	433	451	426	430	442	452	439	410	424	385	400	389	433	435	454	482	488	503	496	457	443
22	449	452	459	470	462	454	462	467	457	446	456	449	452	442	439	434	452	459	472	476	491	488	467	470	459
23	465	462	470	472	464	464	457	457	467	460	457	456	454	440	427	424	441	454	470	473	485	482	477	471	460
24	474	464	461	464	465	468	464	462	460	457	460	459	456	450	449	444	446	455	477	494	499	482	473	462	464
25	458	460	459	459	457	463	464	464	456	446	444	456	461	450	447	444	456	461	480	480	491	491	470	469	462
26	459	454	448	444	447	452	443	449	454	448	444	444	437	428	433	442	442	456	465	472	476	476	478	474	453
27	472	465	456	459	459	462	462	462	459	458	457	453	447	450	448	448	446	458	468	474	477	489	488	466	462
28 Q	478	474	466	465	464	466	464	462	459	457	457	458	459	457	447	433	435	456	472	484	483	468	466	462	462
29 Q	463	464	463	463	463	463	463	464	462	460	460	458	454	447	443	443	447	457	469	475	480	475	478	476	462
30 Q	469	468	463	462	461	461	461	463	463	459	458	458	457	447	434	428	436	448	455	460	463	471	478	477	458
31	477	484	480	474	479	484	487	468	458	466	454	443	453	443	426	412	410	435	459	468	479	469	481	477	461
Mean	464	461	459	459	457	458	458	456	456	455	451	453	449	440	437	436	441	455	468	476	482	482	474	467	458

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

Table 26. Agincourt. (D.) West. 7° + . . . ′ July, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	19.1	18.9	18.5	17.7	17.5	16.5	16.7	15.7	15.5	14.5	12.7	12.1	11.6	12.2	13.5	16.3	18.5	20.0	20.6	20.4	18.5	21.6	26.4	24.2	17.5
2 Q	22.2	19.8	17.4	15.3	12.0	14.4	14.7	14.2	14.6	19.3	11.1	8.0	7.0	7.9	10.8	13.9	16.1	18.0	19.0	19.6	20.4	20.3	19.4	18.3	15.6
3	17.0	16.4	15.5	16.2	16.6	16.7	17.3	15.7	16.4	15.6	14.2	12.6	12.1	12.2	11.7	15.5	18.8	21.7	21.8	22.2	20.2	17.7	16.2	15.7	16.6
4	15.0	15.7	15.4	15.1	11.3	12.3	15.1	15.7	16.3	21.7	14.6	9.8	8.0	7.6	7.9	11.3	15.2	19.3	21.3	19.8	19.9	20.2	17.9	16.7	15.1
5 D	15.0	16.4	16.7	14.0	7.4	10.5	5.1	30.2	31.4	21.7	12.8	13.8	10.4	23.8	22.6	19.8	18.0	18.1	16.2	19.5	9.9	19.2	21.8	17.0	17.1
6 D	18.4	17.5	17.5	14.5	27.5	18.5	12.7	37.5	19.7	12.2	11.2	6.2	6.6	6.9	9.0	14.2	16.3	18.5	20.9	21.2	21.7	19.8	18.1	17.7	16.8
7	16.7	12.7	14.0	13.9	19.0	15.6	17.2	15.7	24.5	20.2	13.0	10.2	8.5	9.6	12.7	14.9	18.6	21.7	23.4	22.2	20.4	18.5	17.1	16.7	16.6
8	16.3	16.2	15.8	14.8	14.9	17.9	21.9	18.1	15.7	13.6	15.1	11.3	8.6	12.2	17.8	20.8	22.2	20.8	20.9	22.6	21.3	19.1	16.7	16.6	17.1
9 D	16.7	14.2	7.7	13.0	13.5	15.4	18.4	15.1	12.7	27.6	12.7	6.3	5.8	5.1	10.3	16.4	21.0	16.1	17.9	18.8	20.0	18.7	17.2	16.9	14.9
10	15.5	15.1	12.3	12.7	13.9	10.3	17.4	16.1	19.2	16.3	17.7	20.3	18.0	13.8	14.3	17.5	20.1	20.1	26.0	24.4	22.0	17.6	16.3	15.8	17.2
11	12.8	11.0	11.0	10.1	16.0	7.1	3.8	12.8	16.2	14.8	14.2	12.8	11.1	12.0	13.4	12.6	14.1	16.2	18.9	20.2	20.6	20.5	19.1	17.2	14.1
12	15.9	14.8	12.8	14.6	13.2	15.5	14.6	19.4	15.6	15.3	18.6	12.7	11.4	9.5	10.0	10.9	13.2	17.1	20.4	22.1	21.1	21.1	21.3	18.7	15.9
13	17.5	17.1	16.4	15.4	14.3	15.0	15.0	15.4	15.6	14.4	15.6	12.8	9.1	9.5	14.0	18.7	18.9	21.2	22.9	20.7	19.8	20.0	19.5	17.1	16.5
14	16.4	13.7	8.4	9.9	11.1	14.1	14.4	15.0	14.2	13.2	14.6	17.5	14.4	14.8	15.2	12.6	18.4	17.6	18.0	19.7	18.3	18.6	17.6	17.1	15.2
15	14.8	16.8	17.0	13.9	15.4	11.6	14.3	16.4	13.9	16.6	10.2	10.7	9.5	10.2	14.8	19.8	19.4	19.8	20.5	21.1	19.8	18.5	17.1	15.7	15.7
16	17.9	16.6	12.6	16.6	14.6	16.6	14.5	15.6	16.7	16.6	20.4	14.2	11.6	12.9	11.1	13.5	16.6	20.3	22.9	21.5	20.3	18.8	17.6	16.5	16.5
17	15.6	15.6	16.3	14.9	11.2	13.3	13.7	15.3	15.3	13.7	11.9	10.7	10.2	9.6	12.7	16.1	19.5	20.8	21.7	21.0	19.9	18.1	17.5	17.0	15.5
18	16.4	16.5	14.5	11.5	11.7	10.3	11.8	12.5	12.0	10.6	9.7	9.0	7.8	8.4	10.9	14.7	21.2	23.3	24.3	22.8	22.1	20.1	17.9	17.5	14.9
19 Q	17.0	16.4	16.1	14.6	14.7	14.6	14.6	13.9	13.7	13.1	11.5	9.4	9.3	10.1	9.3	12.5	14.4	15.8	19.2	20.0	20.0	18.7	16.5	16.5	14.6
20 D	15.5	13.4	14.2	14.6	16.1	11.6	11.9	11.5	10.1	9.0	11.8	9.6	8.4	5.7	6.5	17.0	24.0	25.6	26.4	27.4	25.3	23.0	13.8	13.7	15.3
21 D	14.2	9.1	10.8	10.7	2.0	9.6	14.6	34.6	14.5	9.2	12.5	18.6	8.1	12.9	16.2	20.0	19.3	21.5	24.2	21.4	21.5	17.8	15.0	15.9	15.5
22	11.8	16.1	15.4	16.4	15.1	9.4	17.3	18.0	15.5	12.7	14.1	12.4	10.5	12.8	14.4	17.3	18.6	19.4	21.4	22.3	18.3	18.1	17.7	13.3	15.7
23	15.3	15.9	13.3	15.3	12.8	13.5	12.2	18.0	18.7	13.3	11.6	9.9	8.1	9.1	12.8	17.4	21.7	24.2	24.7	24.2	21.4	19.2	17.4	17.6	16.2
24	11.7	14.8	13.7	14.3	13.8	15.7	14.2	14.4	13.1	13.6	10.9	8.5	7.8	7.0	9.8	14.2	17.4	21.5	23.5	22.4	19.1	18.6	16.4	15.1	14.6
25	17.0	17.3	16.8	16.1	15.4	15.4	14.0	12.7	12.7	11.6	9.8	9.0	8.8	11.0	14.3	15.4	16.3	20.8	23.0	24.0	21.2	17.4	16.6	13.8	15.4
26	9.2	13.8	12.8	9.1	13.2	13.0	20.6	13.7	12.3	11.0	12.6	8.4	6.8	10.9	14.0	13.8	17.3	17.9	19.3	19.5	18.5	17.4	16.6	16.7	14.1
27	15.3	12.0	15.4	16.2	15.9	15.8	15.8	15.4	14.7	13.7	12.2	10.3	9.3	9.2	11.3	14.2	17.4	20.5	22.5	24.6	24.7	22.6	19.7	15.1	16.0
28 Q	16.5	17.5	17.5	16.4	13.7	13.7	14.8	14.5	12.9	12.1	10.7	9.0	7.4	7.2	10.1	15.6	20.1	21.4	21.6	21.2	20.9	19.1	16.3	16.5	15.3
29 Q	16.3	15.8	15.6	15.6	15.2	15.1	14.9	14.9	14.7	14.3	13.1	11.8	10.3	9.2	10.3	12.3	15.7	19.0	21.1	22.0	20.3	19.3	17.7	16.3	15.4
30 Q	16.3	15.8	15.7	15.6	15.8	14.9	14.5	14.3	13.7	13.3	13.0	11.1	8.9	8.2	9.6	12.2	15.7	18.9	21.0	22.0	21.3	19.5	18.4	17.6	15.3
31	17.0	16.2	14.3	12.9	14.6	13.6	12.8	19.9	18.1	10.8	7.5	14.6	9.1	5.4	7.5	12.2	17.2	22.7	20.8	22.4	23.5	19.3	15.2	13.0	15.1
Mean	15.8	15.5	14.5	14.2	14.2	13.7	14.5	17.1	15.8	14.6	12.9	11.4	9.4	10.2	12.2	15.3	18.1	20.0	21.5	21.6	20.4	19.3	17.8	16.5	15.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 27. Agincourt. (Z.) 56,000 γ + July, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	221	223	222	221	218	217	219	219	219	220	218	218	218	219	218	213	209	208	207	207	219	232	223	221	218
2 Q	213	213	213	212	213	213	210	202	206	190	202	214	213	209	210	202	202	208	203	203	209	211	210	212	208
3	212	212	212	213	212	212	202	206	212	214	213	212	212	206	200	203	210	204	200	209	218	225	222	221	211
4	216	213	212	211	192	175	201	208	210	198	188	198	198	197	193	192	189	194	189	198	205	210	215	218	200
5 D	222	228	224	216	179	88	110	82	57	98	171	195	204	173	170	203	235	317	388	328	354	286	259	248	210
6 D	233	224	218	207	105	134	169	30	154	177	163	182	212	218	221	216	212	216	210	217	222	223	224	221	192
7	221	219	208	203	197	183	195	192	195	195	207	210	209	209	208	200	205	205	211	206	207	212	215	213	205
8	212	212	212	212	209	194	172	183	195	206	207	201	201	197	195	189	185	186	198	206	209	215	219	223	202
9 D	221	218	202	212	212	204	121	118	156	113	139	180	193	200	202	195	189	198	202	207	215	221	222	219	190
10	222	218	217	189	183	153	150	177	189	201	198	189	186	203	206	195	200	206	221	227	225	225	230	231	202
11	237	231	221	211	123	159	168	192	200	206	210	212	207	203	195	195	195	202	212	213	218	218	217	216	202
12	215	217	222	215	213	208	193	180	196	205	201	202	199	198	201	202	204	201	198	200	203	209	204	205	204
13	203	203	205	204	203	201	201	200	203	207	206	203	205	202	209	198	189	189	189	198	202	207	209	212	202
14	211	213	209	198	195	175	183	181	177	189	203	194	190	195	189	188	195	197	197	200	207	212	218	222	198
15	224	219	215	183	164	188	176	184	182	153	182	199	201	202	200	199	194	200	205	210	213	218	221	233	199
16	223	217	209	195	201	184	164	177	195	201	195	198	193	188	188	190	192	193	192	198	200	206	210	209	196
17	206	207	206	200	183	189	182	198	202	207	210	209	206	201	199	204	210	207	204	198	198	203	206	209	202
18	209	208	206	183	174	192	200	202	198	198	200	201	198	195	189	186	189	188	189	206	210	212	216	216	199
19 Q	210	209	209	207	206	206	204	203	204	206	208	209	206	206	209	208	204	199	209	212	215	216	222	218	209
20 D	218	206	212	209	198	209	206	204	203	200	195	189	166	171	170	175	189	199	215	223	229	257	265	271	208
21 D	284	223	217	152	168	195	130	78	150	193	200	177	189	195	203	209	217	216	220	230	240	262	257	245	202
22	245	230	222	175	175	189	192	186	180	188	210	210	212	210	207	209	215	214	211	212	225	229	221	221	208
23	213	212	202	183	192	195	189	189	174	189	205	206	205	201	200	198	199	194	192	198	209	216	216	218	200
24	218	212	216	204	201	195	198	204	205	206	206	201	203	206	206	200	198	200	201	206	212	218	228	223	207
25	216	210	207	206	206	206	200	190	198	203	203	203	199	204	203	198	199	206	217	221	235	237	234	235	210
26	225	223	187	181	211	207	166	165	187	205	208	207	205	211	211	206	205	208	212	212	214	215	218	213	204
27	213	206	209	208	207	206	206	206	206	206	206	205	202	205	208	202	194	193	198	205	212	224	244	228	208
28 Q	216	213	216	216	211	209	208	206	205	206	206	203	202	202	202	198	185	182	186	190	197	198	200	200	202
29 Q	201	202	203	203	203	202	202	202	202	205	205	205	205	206	210	206	206	206	205	202	204	206	206	206	205
30 Q	205	206	206	205	205	205	205	205	205	205	205	202	202	201	200	196	195	198	205	209	209	211	211	205	204
31	203	205	211	212	208	205	200	184	123	163	175	171	170	185	192	199	204	212	211	215	225	229	228	220	198
Mean	219	215	211	202	192	190	185	179	187	192	198	200	200	200	200	199	200	205	209	212	218	221	222	221	203

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 28. Agincourt — July, 1952.

Day	Horizontal Force							Declination							Vertical Force						
	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	32	634	14	11	426	208	22	22	29.1	12	27	10.4	18.7	21	38	270	19	32	201	69
2Q	22	2	479	14	45	434	45	9	23	24.4	13	5	5.6	18.8	0	58	215	9	40	173	42
3	21	31	498	14	33	400	98	19	45	25.3	14	45	9.9	15.4	21	30	233	14	33	190	43
4	17	18	483	14	55	436	47	9	22	25.3	13	44	7.1	18.2	23	46	219	5	0	158	61
5D	20	53	594	16	30	355	239	7	32	38.8	6	52	-2.7	41.5	18	45	455	8	28	18	437
6D	5	46	480	7	47	384	96	7	47	55.3	11	11	3.8	51.5	0	1	234	7	38	-61	295
7	20	9	473	17	29	421	52	8	34	29.5	2	5	6.9	22.6	1	35	223	5	27	180	43
8	22	10	480	14	26	419	61	16	51	24.4	12	50	7.8	16.6	23	4	224	6	26	163	61
9D	19	35	482	9	49	384	98	9	48	37.2	2	16	-2.5	39.7	22	41	225	9	48	71	154
10	21	37	495	16	8	401	94	6	3	32.0	5	35	5.8	26.2	23	58	236	6	3	115	121
11	0	9	483	4	46	390	93	4	46	22.3	6	22	1.9	20.4	0	23	242	4	45	88	154
12	21	39	495	2	25	432	63	22	8	22.8	13	50	8.2	14.6	2	47	223	7	16	175	48
13	20	8	490	14	17	431	59	18	13	23.7	14	1	7.1	16.6	23	55	213	17	0	183	30
14	20	31	500	15	45	410	90	19	26	20.8	2	30	4.5	16.3	23	54	225	7	57	162	63
15	3	52	493	13	55	426	67	9	12	26.8	12	45	7.2	19.6	23	23	235	9	27	141	94
16	21	6	489	14	44	435	54	18	13	23.9	14	15	8.4	15.5	0	1	227	6	7	153	74
17	19	40	498	14	18	426	72	18	47	22.5	13	31	8.5	14.0	16	44	212	4	16	176	36
18	19	6	478	13	28	432	46	18	12	25.2	12	5	6.5	18.7	22	50	216	3	58	162	54
19Q	22	36	506	16	27	439	67	20	0	20.7	12	23	8.3	12.4	22	32	227	16	57	198	29
20D	20	18	552	16	20	407	145	19	32	29.6	14	13	-0.5	30.1	23	59	280	12	15	154	126
21D	21	8	529	15	20	356	173	7	0	42.4	4	34	-15.5	57.9	1	4	321	3	50	-3	324
22	20	57	511	0	6	421	90	19	47	23.3	0	14	7.2	16.1	0	14	254	3	48	150	104
23	20	51	500	15	32	412	88	18	58	26.0	12	28	7.8	18.2	23	28	222	8	36	167	55
24	19	53	511	14	26	440	71	18	32	24.5	13	21	6.5	18.0	22	45	236	5	57	188	48
25	20	32	512	10	40	439	73	19	13	24.7	11	15	8.5	16.2	20	34	241	7	16	186	55
26	20	58	490	13	36	424	66	6	37	25.7	2	19	1.3	24.4	20	35	242	6	40	136	106
27	22	20	505	16	18	441	64	19	59	26.0	13	25	7.4	18.6	22	48	253	17	44	190	63
28Q	19	58	494	16	0	429	65	18	15	21.8	13	10	6.3	15.5	2	23	219	17	2	176	43
29Q	20	30	485	14	58	442	43	19	26	22.9	13	26	8.5	14.4	14	35	211	15	36	199	12
30Q	23	17	483	15	10	427	56	19	37	22.1	14	8	8.0	14.1	21	59	216	16	25	194	22
31	6	20	495	16	9	402	93	8	54	30.5	13	55	4.2	26.3	21	2	232	8	29	91	141
Mean			503			417	86			27.4			5.2	22.2			241			144	97
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, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	462	458	463	472	454	459	468	475	463	467	467	464	457	455	445	446	450	458	459	470	459	465	466	468	461
2	459	447	447	458	460	461	466	469	470	476	471	470	471	468	448	430	428	443	445	469	479	476	473	475	461
3 D	471	474	474	467	428	408	375	403	357	435	465	472	455	421	411	439	458	449	461	474	486	471	464	463	445
4	453	442	438	453	460	463	465	447	454	458	458	455	455	450	442	424	438	451	463	467	493	475	473	462	456
5	455	454	460	465	478	464	473	468	459	454	455	466	463	450	432	418	414	427	454	484	498	498	494	472	461
6	469	423	423	430	400	424	461	438	451	462	464	457	456	448	433	422	423	440	455	468	476	479	479	475	448
7	446	433	446	452	472	471	464	461	439	466	461	455	438	432	419	413	420	433	448	463	475	473	468	454	450
8	461	458	454	464	468	461	468	465	462	461	458	452	441	433	435	428	425	427	440	454	453	472	473	472	454
9	468	469	463	455	460	462	463	466	466	464	464	459	449	443	433	430	438	441	448	466	475	480	482	467	459
10	459	438	427	432	436	444	452	451	450	445	452	441	432	434	428	423	435	453	464	474	468	471	463	452	447
11	451	452	433	446	454	461	467	470	468	468	463	463	458	442	437	443	456	468	484	488	485	508	475	479	463
12 D	474	470	460	465	468	470	472	461	458	464	457	454	455	450	434	431	429	449	464	463	468	480	474	473	460
13	468	464	464	468	468	464	470	466	466	466	461	463	456	447	438	433	448	468	479	478	474	466	460	460	462
14 Q	460	460	463	463	462	460	457	463	465	467	467	462	460	454	447	457	472	484	494	485	481	478	470	462	466
15	466	463	470	465	467	467	467	466	466	466	466	464	459	452	437	433	444	463	474	485	503	483	479	481	466
16 Q	481	470	472	455	449	453	459	458	458	458	458	454	443	432	424	425	436	453	462	473	481	478	470	467	457
17 D	471	483	486	488	492	477	493	487	486	455	444	442	462	446	422	412	427	447	470	460	464	473	471	472	464
18 D	462	468	454	464	457	451	461	450	462	463	463	454	447	438	438	426	424	441	473	492	498	498	455	449	458
19	452	468	469	448	450	467	461	460	445	452	460	457	444	424	408	398	419	455	475	488	480	475	465	459	453
20	459	462	469	468	469	482	449	454	459	434	439	428	442	438	428	426	440	462	472	482	480	486	470	471	457
21	465	473	477	469	469	474	472	467	470	474	477	476	458	442	429	429	439	447	465	473	481	485	479	481	465
22	478	479	477	475	472	475	475	474	468	468	462	452	436	418	408	414	429	445	463	479	493	491	475	465	461
23	464	468	453	463	470	472	475	471	470	470	469	466	460	445	433	423	433	449	458	474	485	488	483	479	463
24	478	479	479	475	475	482	481	478	477	477	483	478	467	444	423	422	437	448	462	479	485	484	480	478	469
25 Q	475	474	474	472	472	472	472	475	473	473	468	462	454	438	427	431	439	450	467	478	485	479	473	470	465
26 Q	473	468	464	463	465	473	470	470	472	475	473	472	462	449	437	433	449	473	485	490	495	477	470	467	467
27	467	467	452	444	459	466	462	454	464	459	457	458	452	438	426	421	433	457	475	480	485	484	475	467	458
28 Q	467	459	462	466	464	454	455	462	462	465	467	461	449	438	433	431	442	457	467	478	477	474	469	470	460
29	469	463	457	457	460	467	471	475	475	472	473	470	460	443	416	400	429	449	467	475	482	485	498	457	461
30 D	442	457	454	424	405	402	441	459	473	473	467	464	454	434	419	419	421	434	450	457	454	457	462	464	445
31	462	462	462	459	448	449	444	446	446	447	448	442	449	437	426	410	412	426	439	442	465	494	472	480	448
Mean	464	461	460	460	458	460	462	462	460	462	462	459	453	441	429	426	435	450	464	474	480	480	473	468	459

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30. Agincourt. (D.) West. 7°+ . . . ′ August, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	13.8	13.9	11.8	9.2	11.9	9.9	10.1	11.9	11.1	10.7	9.8	11.8	12.0	9.9	8.6	10.2	15.4	19.6	22.2	22.2	22.8	21.2	18.4	16.3	14.0
2	16.2	13.8	14.5	14.4	13.9	17.1	16.2	13.0	13.0	12.4	12.5	11.5	5.8	4.6	6.1	10.9	15.5	20.9	25.4	22.8	19.2	17.8	17.1	14.7	14.5
3 D	15.6	15.1	13.9	9.1	-4.9	2.4	5.6	5.7	22.4	24.5	4.7	2.7	5.6	11.7	16.0	21.3	21.6	21.7	21.5	21.6	19.5	17.3	15.5	13.8	13.5
4	12.4	10.2	5.9	12.7	15.6	15.0	18.0	12.7	14.1	12.8	11.1	8.8	5.4	6.4	8.6	13.9	19.8	21.0	21.0	21.5	19.3	20.2	19.1	12.6	14.1
5	11.3	12.9	12.3	13.1	14.5	13.6	16.9	15.0	19.2	19.7	15.3	9.0	5.5	6.0	9.2	14.2	19.2	24.3	28.2	24.9	21.6	18.7	16.2	14.0	15.6
6	11.5	-0.9	7.9	7.2	7.8	12.5	14.4	22.9	20.7	17.1	13.6	11.1	9.9	10.0	15.0	19.0	21.8	24.5	23.7	21.4	18.4	16.9	15.2	12.6	14.8
7	4.6	8.1	11.9	12.3	14.5	15.1	15.0	17.2	27.0	20.5	12.5	9.7	9.3	7.9	11.9	17.1	21.2	24.4	25.6	24.8	21.2	18.2	14.5	11.2	15.7
8	13.2	13.7	14.2	15.3	16.4	19.1	17.6	14.6	20.2	18.5	10.3	8.3	8.3	9.9	10.5	14.1	20.3	23.4	26.2	23.5	22.2	19.8	16.5	15.1	16.3
9	14.8	14.6	14.1	11.5	13.4	14.9	16.2	15.6	15.5	14.2	12.1	9.2	7.2	7.5	9.1	13.4	16.9	20.7	22.4	22.6	21.6	21.6	19.2	17.3	15.2
10	14.2	8.1	7.0	7.9	8.9	9.6	12.2	12.6	13.1	10.6	7.1	7.1	13.3	9.8	12.6	15.7	21.9	23.8	21.9	18.9	17.6	16.6	16.2	13.6	13.3
11	13.6	10.9	0.7	10.9	10.7	13.0	15.0	14.1	14.5	15.4	14.5	11.6	8.9	9.5	11.0	16.0	18.7	19.7	20.0	20.4	19.9	18.7	19.1	15.9	14.2
12 D	13.4	5.1	14.9	14.5	17.7	17.1	13.0	13.0	14.6	13.4	21.1	13.7	8.0	8.9	9.0	14.4	19.1	20.6	20.9	21.5	21.0	19.1	17.2	16.5	15.3
13	15.6	16.1	16.1	13.0	15.6	16.6	15.9	14.4	13.4	13.2	14.2	11.2	8.9	9.8	13.3	17.9	19.8	18.9	18.8	19.0	18.0	16.6	15.9	15.2	15.3
14 Q	14.9	14.9	15.0	14.9	12.1	13.3	14.4	13.6	13.3	12.3	11.3	11.9	11.5	11.9	13.7	19.7	22.7	22.5	21.2	19.8	17.5	15.9	15.0	15.0	15.3
15	14.9	11.2	13.3	13.7	14.5	14.5	14.2	13.6	13.4	12.7	11.6	10.3	9.2	9.8	12.7	17.6	21.6	23.4	24.1	21.7	18.8	19.0	16.4	14.4	15.3
16 Q	13.5	14.8	15.4	15.1	13.8	12.3	14.3	13.4	12.6	12.0	10.8	9.7	8.1	8.7	12.1	18.2	22.1	24.5	25.2	22.9	19.0	16.0	14.2	14.2	15.1
17 D	14.6	14.4	15.3	15.0	14.4	14.9	11.8	9.4	4.3	-1.0	-3.9	1.9	2.3	2.9	11.8	16.9	21.8	25.7	23.4	22.9	19.1	18.0	15.1	13.4	12.7
18 D	7.1	12.7	11.1	12.8	1.4	11.0	17.7	19.4	17.7	12.1	10.5	8.8	12.2	11.9	14.5	17.7	20.6	26.0	25.5	20.7	17.8	17.2	14.0	15.2	14.9
19	16.0	10.0	7.6	11.5	21.5	16.0	14.5	15.2	20.5	19.2	8.8	6.3	6.8	10.2	16.9	22.8	28.8	27.0	23.5	20.7	17.6	14.9	13.5	13.4	15.9
20	12.7	7.9	7.7	12.3	8.1	19.1	15.1	15.2	18.5	17.1	16.9	17.8	10.4	7.7	13.2	19.8	25.0	25.3	25.0	24.0	22.2	19.9	16.9	14.5	16.3
21	16.4	15.2	13.4	14.8	13.9	14.9	13.8	12.0	11.1	9.1	6.0	3.0	2.8	3.8	7.8	14.3	20.5	23.2	23.2	21.4	18.2	15.4	13.6	13.5	13.4
22	14.8	15.4	15.1	15.0	14.6	14.8	13.9	12.4	11.9	10.4	8.1	5.8	4.5	5.5	9.4	14.6	20.4	23.1	23.2	21.1	19.0	17.2	15.9	16.9	14.3
23	17.2	9.3	9.8	14.8	15.8	15.8	14.6	12.6	11.3	10.6	7.8	5.5	4.2	6.3	9.9	14.5	20.1	24.1	24.8	23.0	20.2	16.7	14.9	14.8	14.1
24	15.8	15.9	15.1	15.0	14.9	12.9	13.6	12.7	10.9	12.0	4.2	2.0	-0.2	1.8	6.2	12.4	19.0	24.2	25.6	24.3	21.2	18.2	16.4	15.5	13.8
25 Q	15.7	15.5	14.8	14.7	14.0	14.2	15.0	14.5	13.6	12.1	10.9	9.0	7.2	6.7	10.1	15.6	19.4	22.7	23.5	21.1	18.0	16.3	14.8	14.0	14.8
26 Q	14.8	14.7	13.3	11.8	13.6	14.5	13.9	12.9	12.2	11.8	9.4	7.6	6.7	7.7	11.3	15.3	20.3	21.8	20.1	19.1	17.5	16.8	15.8	16.5	14.1
27	16.3	14.8	14.6	12.7	13.7	14.5	13.8	26.7	12.7	7.3	11.8	10.5	8.5	10.1	12.9	18.1	23.1	24.1	22.1	19.6	16.6	15.6	15.2	15.4	15.5
28 Q	14.8	13.9	15.0	17.2	16.4	12.7	13.1	13.0	12.6	12.7	11.8	10.7	10.2	12.1	12.6	14.9	18.1	20.2	21.6	20.2	18.7	17.0	15.8	15.5	15.0
29	14.8	14.7	13.7	13.6	13.8	15.0	14.8	14.5	13.2	12.7	12.3	9.9	8.0	7.2	7.6	15.2	25.7	27.8	23.6	23.7	22.7	20.9	20.0	18.8	16.0
30 D	13.2	11.8	11.1	8.2	13.5	13.7	13.6	13.5	6.6	7.2	6.6	6.4	5.9	7.2	8.7	15.1	18.6	22.2	21.5	19.0	18.2	16.7	15.0	14.6	12.8
31	15.4	15.0	14.4	9.1	19.0	12.5	11.1	10.5	10.3	9.8	10.4	12.7	6.6	6.4	12.2	18.1	21.3	22.7	23.9	23.6	21.3	22.0	20.0	17.9	15.3
Mean	13.9	12.3	12.2	12.7	13.0	13.9	14.1	14.0	14.3	12.9	10.4	8.8	7.5	7.9	11.0	16.0	20.6	23.0	23.1	21.7	19.5	18.9	16.1	14.9	14.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 31. Agincourt. (Z.) 56,000 γ + August, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	214	213	206	173	162	179	173	165	190	202	205	202	193	194	194	196	194	198	203	212	221	224	223	224	199
2	224	223	219	212	210	202	194	107	201	203	204	200	196	193	194	194	190	194	200	204	209	214	214	216	204
3 D	212	208	207	200	161	130	103	94	66	135	170	208	208	200	207	213	213	215	217	223	219	226	225	223	187
4	222	216	204	206	205	188	154	143	189	201	209	212	212	178	174	201	207	206	211	218	230	232	232	246	204
5	241	236	223	213	163	181	187	189	200	204	202	209	205	205	203	206	212	212	209	211	212	213	213	213	207
6	220	230	211	178	160	114	181	142	123	177	194	200	206	200	201	204	209	212	212	215	218	219	219	224	194
7	233	225	220	209	190	186	189	182	157	182	194	205	206	209	206	199	200	203	209	217	222	223	224	224	205
8	218	214	214	209	194	166	164	191	189	188	199	201	201	204	203	201	202	203	205	212	217	222	219	213	202
9	212	212	212	210	208	207	206	206	206	207	210	210	210	212	211	206	204	203	208	216	220	227	236	235	212
10	245	216	219	217	213	206	206	211	212	209	204	189	176	187	194	193	195	201	210	214	218	229	236	239	210
11	231	224	213	206	209	209	207	206	207	202	194	194	201	206	206	206	206	207	210	212	216	223	221	229	210
12 D	244	171	200	204	178	170	184	187	187	184	176	171	189	191	198	205	210	209	214	221	230	229	227	220	200
13	217	212	210	200	187	176	183	196	201	204	207	206	205	205	205	201	201	204	210	214	214	217	217	215	204
14 Q	213	212	209	205	195	187	197	205	206	205	205	205	205	205	205	202	204	206	210	210	210	211	211	209	206
15	209	209	201	203	204	204	204	204	204	204	206	206	207	209	211	212	207	205	202	200	206	205	206	205	206
16 Q	206	206	207	208	208	209	212	212	209	207	209	209	206	205	202	199	197	200	204	207	212	210	207	205	206
17 D	205	206	206	203	203	204	202	204	171	172	177	145	163	181	190	197	201	206	213	237	266	240	229	225	202
18 D	229	211	210	181	188	200	212	207	206	210	212	208	200	194	202	202	199	210	223	224	225	229	260	248	212
19	230	217	201	201	175	171	199	210	202	202	208	212	211	211	207	199	207	216	217	222	223	218	217	219	208
20	217	210	199	190	181	134	136	170	193	181	187	181	193	204	208	210	208	205	207	216	219	225	235	231	197
21	224	225	220	219	216	212	210	210	210	209	209	206	204	202	199	196	190	194	200	205	210	210	207	205	208
22	205	204	203	203	203	204	204	203	203	202	204	204	201	196	199	197	196	201	207	210	213	219	218	217	205
23	222	199	202	213	211	207	208	207	207	204	204	207	207	206	204	202	200	202	209	213	217	216	211	207	208
24	204	206	203	206	204	201	201	200	200	196	200	200	199	196	198	199	199	202	208	209	211	212	207	206	203
25 Q	203	202	202	202	204	204	202	201	201	201	205	207	206	201	199	200	202	209	217	220	219	217	213	210	206
26 Q	207	206	206	201	202	205	202	201	201	201	201	200	199	200	201	199	201	202	204	207	210	207	211	211	204
27	206	207	211	213	207	207	202	150	151	187	199	199	198	199	199	200	206	208	211	212	212	211	209	207	200
28 Q	207	206	207	196	188	190	190	199	202	204	205	201	200	199	199	200	201	206	207	211	210	209	207	204	202
29	204	207	206	205	207	206	202	201	199	201	202	202	200	196	193	187	201	213	219	225	243	273	282	299	216
30 D	270	293	266	204	178	82	193	196	220	217	214	213	207	200	196	197	203	211	217	222	226	231	220	212	212
31	210	210	211	193	187	204	200	199	199	201	207	203	199	202	201	199	200	206	213	219	230	240	242	282	211
Mean	220	214	211	203	193	186	191	190	191	197	201	200	200	200	200	201	202	206	210	215	220	222	223	223	205

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 32. Agincourt — August, 1952.

Day	Horizontal Force							Declination							Vertical Force						
	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	3	37	482	14	41	439	43	20	15	23.6	2	52	4.6	19.0	21	10	229	4	17	154	75
2	20	48	489	15	35	424	65	18	37	28.0	13	44	3.5	24.5	1	25	228	6	5	188	40
3 D	20	9	495	8	53	256	239	8	58	53.7	4	6	-9.8	63.5	20	51	230	8	44	-3	233
4	20	32	521	15	29	417	104	19	11	22.7	2	33	0.6	22.1	23	48	260	7	24	127	133
5	20	56	508	16	30	409	99	18	36	29.2	13	5	4.5	24.7	23	49	258	4	22	151	107
6	23	13	489	4	49	375	114	7	49	38.1	1	34	-6.1	44.2	1	24	248	3	25	85	163
7	4	47	479	15	25	412	67	8	21	39.6	0	32	-12.9	52.5	0	23	240	8	27	142	98
8	21	59	484	14	50	420	64	8	41	28.7	0	1	5.8	22.9	0	1	226	6	18	152	74
9	21	10	489	16	3	427	62	19	12	24.1	12	4	5.9	18.2	22	47	242	17	36	200	42
10	0	1	478	14	55	409	69	16	54	27.0	1	4	-3.1	30.1	1	0	258	12	46	171	87
11	21	39	534	2	7	410	124	19	59	21.2	2	15	-6.7	27.9	23	53	237	11	32	191	46
12 D	0	58	497	16	22	366	131	10	36	24.5	1	1	-11.1	35.6	0	56	272	11	7	153	119
13	18	25	483	15	0	431	52	16	13	20.8	12	19	7.7	13.1	0	1	222	4	54	168	54
14 Q	18	42	499	14	36	443	56	17	12	23.2	5	7	8.9	14.3	0	1	216	5	23	183	33
15	20	12	514	14	58	431	83	18	29	24.4	1	20	8.8	15.6	15	17	213	2	17	195	18
16 Q	0	14	496	14	50	421	75	18	12	26.0	13	5	7.6	18.4	6	6	214	16	32	194	20
17 D	7	5	508	15	23	370	138	19	35	27.0	9	51	-7.3	34.3	20	20	282	11	21	121	161
18 D	20	16	529	16	52	410	119	17	52	31.2	0	46	-8.5	39.7	22	33	272	3	42	164	108
19	19	28	503	15	30	390	113	16	27	31.3	2	23	1.6	29.7	0	1	234	4	57	125	109
20	5	10	498	9	44	413	85	18	32	26.8	1	58	-0.4	27.2	22	40	242	5	52	116	126
21	21	42	487	14	47	421	66	17	58	23.6	12	30	1.2	22.4	2	10	229	16	45	190	39
22	21	15	509	15	7	405	104	18	7	23.9	12	23	3.8	20.1	21	19	223	15	58	193	30
23	21	4	493	15	6	421	72	17	41	25.4	12	30	3.8	21.6	0	47	225	1	30	183	42
24	19	49	490	15	7	413	77	17	59	26.0	12	34	-0.6	26.6	19	48	213	9	36	193	20
25 Q	20	27	486	14	34	419	67	18	20	23.9	13	30	6.0	17.9	20	2	222	14	33	196	26
26 Q	20	24	498	15	5	430	68	17	0	22.1	13	0	5.7	16.4	22	1	213	12	32	196	17
27	21	23	490	15	18	416	74	7	40	34.5	9	5	6.8	27.7	3	8	217	8	0	118	99
28 Q	19	47	480	15	20	427	53	4	5	23.9	12	40	9.9	14.0	19	34	211	4	5	173	38
29	20	41	513	15	23	395	118	17	32	30.5	14	18	6.5	24.0	23	41	314	15	22	187	127
30 D	8	38	480	5	32	374	106	3	0	23.7	6	40	1.5	22.2	1	33	311	5	32	13	298
31	21	45	507	16	11	407	100	4	14	28.2	13	5	4.0	24.2	23	59	303	4	17	169	134
Mean			497			406	91			27.6			1.3	26.3			242			154	88
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, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	465	435	428	410	395	425	333	392	381	376	454	419	423	410	405	395	418	429	444	464	454	445	475	464	423
2	444	446	452	442	444	429	457	380	354	410	428	447	432	404	371	418	432	436	449	454	468	478	465	448	433
3	460	446	473	488	444	408	425	449	444	431	463	457	444	426	424	415	403	418	441	462	475	468	481	464	446
4	451	450	449	460	460	465	464	461	460	450	441	449	435	417	407	418	428	439	448	463	473	470	466	463	449
5	461	464	464	459	464	467	467	461	461	464	448	433	421	424	423	410	413	418	427	439	459	462	449	434	445
6	438	449	444	430	431	447	439	435	437	453	455	448	435	424	412	419	433	451	464	474	467	468	474	469	446
7	466	469	470	462	473	428	439	457	470	470	470	464	454	443	439	441	441	444	429	459	498	490	483	464	459
8 D	433	433	455	436	429	380	394	407	341	433	455	447	423	424	417	383	389	404	433	452	469	457	465	465	426
9 D	464	457	464	397	436	363	409	369	410	446	369	421	400	430	411	391	413	442	452	458	464	460	469	460	427
10	433	439	459	454	460	444	417	422	408	397	444	449	439	424	424	422	428	435	448	462	474	473	467	459	441
11	460	464	464	460	457	454	446	458	460	457	457	447	444	434	422	421	437	454	465	475	474	457	462	466	454
12	462	452	449	431	431	443	454	455	444	455	459	454	443	441	452	449	456	473	491	462	474	459	459	460	455
13 Q	464	459	462	455	460	458	462	464	462	457	460	458	452	444	441	446	453	467	475	477	475	475	477	480	462
14	475	472	474	461	455	441	460	446	457	460	457	455	441	434	417	424	452	459	464	478	460	457	459	452	455
15	459	463	464	465	467	464	464	460	467	460	468	470	457	449	439	441	455	467	477	462	467	478	479	468	463
16	463	469	464	461	468	462	467	464	464	462	464	459	449	439	433	430	439	453	463	475	480	464	452	464	459
17 Q	469	469	460	470	462	463	465	465	463	464	463	455	449	441	432	437	446	460	473	476	473	470	469	469	461
18 Q	465	468	470	466	467	465	466	470	469	467	467	464	457	447	439	434	438	454	473	477	480	482	477	473	464
19 Q	472	472	473	472	470	471	471	470	470	470	467	462	453	443	437	441	448	457	469	480	483	482	473	477	466
20	470	470	473	475	472	467	467	468	470	473	473	468	459	446	439	435	446	464	475	490	495	498	464	457	467
21	446	415	403	440	448	449	452	455	454	457	461	455	448	442	439	434	442	455	464	471	479	479	467	470	451
22	472	467	457	446	459	464	464	467	467	465	467	467	460	449	439	429	431	442	457	466	467	467	464	462	458
23 Q	458	461	463	469	469	466	472	469	471	471	474	473	466	453	438	437	441	447	461	474	477	476	476	475	464
24	474	470	467	467	468	459	463	456	466	473	474	474	469	459	448	434	433	458	469	466	467	466	469	456	463
25	464	467	468	469	468	468	469	472	471	471	471	472	469	458	447	439	443	459	486	495	492	496	490	474	470
26	517	507	477	414	423	424	411	432	435	442	445	446	442	441	442	441	447	461	472	472	469	473	474	471	454
27	471	471	472	466	444	388	402	368	383	407	411	445	458	436	425	410	427	447	461	460	461	467	463	461	438
28	457	454	445	428	425	427	421	434	418	428	466	471	464	458	457	459	458	458	439	451	448	443	438	429	445
29 D	425	409	407	427	435	443	412	397	429	375	427	417	390	402	442	440	442	449	460	481	479	477	491	524	437
30 D	414	445	403	389	447	444	438	423	446	424	397	450	443	438	424	412	409	443	448	458	466	463	461	458	436
31																									
Mean	459	457	456	449	452	443	443	441	441	446	452	454	444	436	430	427	435	448	460	468	473	470	469	465	451

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

Table 34. Agincourt. (D.) West. 7° + . . . ′ September, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	17.8	2.7	0.9	3.6	3.9	16.6	33.0	16.6	16.8	27.5	6.4	6.8	10.2	14.2	14.9	18.8	20.9	22.1	22.4	20.8	19.3	19.7	13.5	-4.4	14.4
2	13.4	14.4	8.5	12.9	16.3	26.9	17.4	25.5	35.0	15.5	8.1	1.3	3.6	8.3	17.9	19.0	22.0	20.9	20.8	18.7	17.5	16.2	12.1	11.3	15.9
3	13.9	10.4	8.5	10.9	11.8	30.2	16.6	22.3	15.8	21.0	9.6	6.9	7.2	10.0	11.8	15.5	21.8	23.2	22.7	19.9	15.7	11.8	10.1	13.7	15.0
4	13.8	11.4	9.3	12.8	15.8	16.8	15.5	16.6	21.3	15.5	16.6	12.6	7.6	10.8	15.8	20.6	22.6	24.8	23.3	20.3	16.7	14.1	13.5	14.2	15.9
5	14.5	13.8	13.4	14.9	15.0	15.7	21.9	22.9	18.1	9.6	7.2	5.0	3.3	7.4	13.6	19.7	24.9	26.3	28.4	25.4	20.5	16.6	14.4	12.0	16.0
6	8.2	14.1	12.2	9.3	11.8	19.6	15.2	13.9	9.5	9.2	8.4	6.6	6.5	7.7	11.2	18.8	23.5	24.9	24.9	21.7	19.8	15.4	13.0	14.2	14.1
7	15.0	16.3	15.8	14.9	2.7	10.5	14.0	17.3	12.1	8.3	6.7	4.9	4.0	7.2	10.4	14.8	19.4	20.4	24.9	23.8	18.8	13.2	13.8	4.0	13.0
8 D	15.8	0.1	4.5	13.0	25.6	14.3	9.4	26.2	34.7	32.3	9.9	4.8	9.5	13.5	12.5	21.4	22.5	22.9	24.8	20.8	12.1	14.9	15.0	8.5	16.2
9 D	7.8	6.2	10.2	9.7	14.3	23.1	19.8	16.8	25.8	11.2	25.4	17.6	10.1	10.4	13.7	21.1	21.3	21.7	22.0	21.7	17.7	12.8	9.7	0.5	15.4
10	4.9	11.0	12.9	16.3	11.3	19.2	38.6	7.5	23.8	13.7	11.1	10.5	9.8	12.3	13.1	17.2	18.9	19.8	20.6	18.7	17.1	16.6	16.0	13.1	15.6
11	10.2	15.4	15.5	14.7	15.3	12.6	12.5	15.3	12.8	15.0	16.7	14.2	10.6	13.2	15.7	20.8	24.7	23.2	19.8	17.4	16.4	15.4	13.1	16.3	15.7
12	13.8	14.7	16.1	13.6	12.6	13.5	14.5	11.7	10.8	9.8	9.5	6.6	5.3	8.6	12.9	16.8	18.9	21.3	19.5	21.2	20.1	17.7	16.7	16.8	14.3
13 Q	17.0	16.3	16.2	13.3	15.7	15.9	14.7	13.5	12.1	12.6	11.8	11.1	10.4	12.5	15.7	18.0	19.3	20.0	19.1	17.2	15.4	15.3	16.1	16.5	15.2
14	17.4	16.5	15.8	5.0	0.8	17.6	13.6	11.7	11.7	9.4	9.9	10.1	10.4	12.9	14.7	22.6	24.0	22.1	19.8	17.5	16.3	15.7	15.6	12.7	14.3
15	13.9	14.5	15.3	15.4	15.3	14.7	13.8	12.9	13.7	11.8	11.3	9.3	9.6	10.3	12.9	17.4	20.2	19.8	19.2	19.8	17.9	16.8	16.2	10.1	14.7
16	15.7	16.7	13.2	13.5	16.3	14.7	14.6	13.6	12.7	12.7	10.4	9.1	9.2	10.3	12.7	16.2	18.9	19.1	18.3	16.6	15.5	15.7	14.4	16.5	14.5
17 Q	15.8	15.7	14.4	15.7	15.3	15.6	13.9	12.6	12.6	13.3	13.6	15.5	12.6	11.7	13.7	16.3	18.3	18.6	18.3	16.7	15.5	14.6	15.6	16.3	15.0
18 Q	16.6	15.8	14.5	15.7	15.4	14.7	19.0	13.2	11.9	11.2	11.7	10.0	9.5	10.7	13.6	16.3	18.6	20.8	20.9	19.0	16.3	14.0	14.4	14.9	14.9
19 Q	14.9	14.7	14.9	14.8	15.2	14.9	14.6	13.8	12.8	12.8	12.4	9.9	8.0	8.4	11.3	17.1	21.3	22.6	21.1	18.2	16.5	14.8	15.4	15.7	14.8
20	16.5	16.5	15.7	14.9	15.0	14.6	13.6	12.7	11.2	11.7	11.9	10.1	8.3	8.3	12.1	16.2	20.8	23.0	22.8	20.1	18.3	17.3	12.8	14.9	15.0
21	9.9	-3.5	3.5	14.4	17.1	16.3	16.3	15.7	13.9	14.7	11.9	9.5	8.1	9.2	11.0	15.7	19.3	21.7	22.1	20.8	18.3	15.4	14.9	15.7	13.8
22	15.4	14.7	16.6	9.3	12.0	14.7	14.5	14.4	12.6	11.7	11.9	10.4	9.3	8.9	11.1	15.4	18.9	20.8	21.2	20.1	18.4	16.6	14.9	15.1	14.6
23 Q	15.5	15.6	15.8	15.7	13.7	11.8	12.9	12.1	12.0	12.8	12.9	9.9	8.4	8.6	11.0	15.1	18.0	19.6	20.0	18.4	16.3	15.3	14.9	15.6	14.3
24	15.7	14.8	13.9	14.6	14.7	13.8	13.8	8.0	8.9	11.1	11.9	11.9	11.0	10.2	11.7	16.4	23.2	22.9	22.0	23.5	22.9	20.8	19.2	13.8	15.5
25	14.4	15.7	15.5	15.0	14.8	14.7	14.0	13.2	12.8	12.6	12.0	11.0	9.8	9.5	10.2	13.7	17.4	20.1	21.9	21.5	19.3	17.5	17.4	23.5	15.3
26	16.5	14.7	17.1	12.7	11.3	9.7	13.7	12.0	13.9	12.1	11.7	11.0	9.6	9.0	10.6	12.9	15.4	17.5	17.7	17.5	16.4	16.4	16.4	16.5	13.8
27	16.2	15.7	15.5	16.2	9.6	6.6	4.6	0.1	5.5	10.8	13.4	17.6	11.2	17.6	15.5	19.8	22.0	20.4	19.5	19.3	17.7	15.6	15.4	15.8	13.9
28	15.6	16.5	15.7	11.5	16.8	11.4	15.1	17.4	6.5	12.8	7.4	9.9	11.0	13.2	18.3	16.9	18.5	21.0	23.5	21.1	22.8	18.0	17.0	12.6	15.5
29 D	-2.8	7.6	7.2	11.4	13.4	31.1	13.1	17.4	11.6	30.1	44.1	33.2	25.7	29.3	16.8	18.4	20.6	21.2	19.6	16.6	16.4	14.1	15.7	1.9	18.1
30 D	-11.4	8.8	7.2	7.7	16.7	15.0	13.4	17.8	15.3	7.1	35.0	13.4	9.3	12.2	13.7	19.2	22.0	21.8	22.8	18.9	15.3	14.9	14.3	14.7	14.4
31																									
Mean	12.7	12.6	12.5	12.7	13.5	16.2	15.9	14.8	14.9	14.0	13.4	10.7	9.3	10.9	13.3	17.6	20.6	21.5	21.5	19.8	17.6	15.7	14.7	12.7	15.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 35. Agincourt. (Z.) 56,000 γ + September, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	274	269	228	206	196	167	51	36	86	86	173	177	193	183	199	212	229	230	227	235	248	237	253	263	194
2	251	230	202	190	178	111	153	141	55	86	140	187	205	208	212	228	223	216	224	232	230	237	246	233	193
3	228	219	190	167	153	87	107	116	167	178	205	208	212	207	212	210	219	222	228	231	234	237	237	230	196
4	231	219	216	209	210	213	210	207	193	193	193	196	200	205	210	218	216	204	213	232	256	272	278	272	219
5	214	213	211	210	208	210	185	166	175	194	193	202	204	201	193	194	199	226	239	249	247	248	248	248	212
6	236	225	220	209	207	158	150	173	187	219	222	218	214	211	210	211	211	216	222	228	228	226	223	219	210
7	213	212	211	210	150	160	190	187	193	210	211	207	200	194	193	196	201	204	215	228	246	289	310	357	216
8 D	266	230	193	218	89	78	65	140	106	136	175	194	204	206	215	217	234	245	248	250	263	245	236	262	197
9 D	210	201	151	107	119	78	71	85	148	178	126	151	187	201	210	207	225	224	229	234	240	248	240	230	179
10	228	232	199	158	189	182	91	129	114	130	173	206	211	210	218	216	218	219	222	224	225	223	223	222	194
11	218	213	213	213	216	213	216	218	214	210	201	200	202	201	207	216	216	219	223	226	223	226	231	228	215
12	230	208	190	172	182	204	204	214	210	213	218	213	204	204	205	201	206	207	214	213	229	226	225	219	210
13 Q	217	214	217	213	219	216	213	213	211	210	211	207	207	207	210	209	210	210	216	219	219	214	214	213	213
14	213	209	207	218	161	187	197	207	216	210	207	209	207	212	207	212	213	213	208	216	222	226	223	228	209
15	220	214	214	210	207	208	208	208	207	196	206	208	206	206	202	201	205	204	208	210	214	217	219	219	209
16	214	213	210	214	210	210	210	208	203	200	204	207	208	212	212	212	210	213	216	222	224	224	229	220	213
17 Q	216	213	214	209	212	211	214	212	210	210	207	210	202	203	204	203	210	214	214	216	214	211	210	213	210
18 Q	211	210	208	208	210	208	200	208	210	209	210	211	211	210	211	209	208	208	212	217	218	217	211	209	210
19 Q	209	209	209	208	208	209	208	208	208	209	210	211	211	208	207	208	211	207	205	205	210	213	208	210	209
20	211	212	206	204	205	209	200	197	205	209	208	210	205	203	200	197	195	197	203	211	211	224	237	251	209
21	290	287	247	237	225	221	217	215	212	213	214	214	214	213	208	205	208	208	208	210	214	213	209	211	221
22	214	211	217	215	208	214	211	209	198	204	207	207	204	203	200	200	201	205	212	214	214	214	215	214	209
23 Q	214	214	214	211	209	208	205	203	208	205	207	206	205	201	200	200	205	204	208	210	211	211	208	205	207
24	209	210	212	209	210	200	181	205	206	206	206	206	203	205	204	206	210	209	212	209	209	215	221	235	208
25	228	222	215	211	210	209	209	208	208	206	205	206	206	205	206	204	201	200	203	206	204	206	209	246	210
26	359	375	353	332	254	253	227	219	210	225	229	229	225	222	222	218	215	213	212	210	209	211	211	210	244
27	212	212	213	219	225	179	185	165	189	175	148	173	180	189	199	206	211	211	216	221	215	213	216	214	199
28	213	217	218	215	189	153	121	101	107	134	167	189	195	198	197	201	201	207	218	244	280	286	257	248	198
29 D	212	215	223	229	221	97	96	62	37	37	59	82	146	171	201	201	201	211	213	225	271	309	350	403	186
30 D	217	284	236	180	157	223	217	183	174	131	145	168	201	213	218	213	219	226	225	226	227	225	223	226	207
31																									
Mean	230	228	215	207	195	183	174	175	176	181	190	197	202	204	207	208	211	213	217	223	229	232	234	238	207

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 36. Agincourt — September, 1952.

Day	Horizontal Force							Declination							Vertical Force						
	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	34	490	9	7	284	206	6	53	42.0	1	53	-20.9	62.9	0	4	328	6	55	-49	377
2	21	10	498	7	52	295	203	7	52	57.2	11	8	0.2	57.0	0	24	259	7	54	-37	296
3	3	47	502	5	43	375	127	5	33	45.2	2	19	-2.4	47.6	22	17	243	5	25	32	211
4	19	54	474	14	11	402	72	8	29	26.3	12	32	6.3	20.0	12	34	325	8	29	193	132
5	6	32	472	15	46	394	78	18	16	30.9	12	22	1.7	29.2	23	59	260	7	34	161	99
6	23	5	486	15	0	405	81	18	13	26.9	0	13	-5.1	32.0	0	1	247	5	47	118	129
7	23	22	550	5	57	409	141	19	9	29.3	23	25	-16.7	46.0	23	5	522	4	45	112	410
8 D	2	25	496	8	58	305	191	5	3	52.0	23	53	-33.2	85.2	23	50	379	3	55	4	375
9 D	1	58	491	10	40	265	226	5	47	48.7	0	1	-18.6	67.3	22	1	252	4	6	-27	279
10	20	42	483	8	30	390	93	6	35	47.9	7	43	-0.2	48.1	0	55	243	6	31	53	190
11	19	49	479	15	0	413	66	16	45	25.8	0	12	3.9	21.9	21	58	233	11	12	194	39
12	20	22	511	4	52	416	95	3	2	28.0	12	38	4.7	23.3	20	22	237	2	53	143	94
13 Q	23	13	490	14	15	436	54	17	8	20.9	12	6	9.3	11.6	20	46	220	12	6	205	15
14	3	53	494	14	24	402	92	15	45	27.7	3	50	-18.3	46.0	3	39	268	4	51	131	137
15	22	0	491	15	15	429	62	19	37	21.1	23	17	6.2	14.9	23	6	226	9	42	193	33
16	21	10	488	15	15	423	65	16	30	19.8	12	14	8.4	11.4	22	32	230	9	40	193	37
17 Q	19	25	479	14	15	431	48	17	15	19.3	13	6	10.3	9.0	0	23	217	12	32	199	18
18 Q	22	6	485	16	10	432	53	6	23	22.2	12	11	9.2	13.0	20	0	218	6	22	194	24
19 Q	21	0	489	14	22	433	56	17	25	22.9	13	2	7.6	15.3	21	0	214	19	15	204	10
20	20	0	526	15	27	432	94	17	55	24.0	22	57	3.8	20.2	23	45	264	7	23	190	74
21	20	35	493	1	51	357	136	18	18	22.6	2	2	-6.5	29.1	0	55	359	17	58	205	154
22	0	52	476	15	52	428	48	18	20	21.7	3	42	4.2	17.5	2	11	220	8	12	195	25
23 Q	22	9	479	14	35	430	49	18	10	20.3	13	3	7.7	12.6	0	40	217	14	25	196	21
24	20	3	477	16	24	423	54	17	0	26.2	6	57	7.1	19.1	23	32	244	6	44	171	73
25	22	48	510	15	38	435	75	23	59	27.0	12	34	8.9	18.1	23	59	289	22	33	191	98
26	0	45	649	6	32	395	254	0	6	35.8	4	42	-3.5	39.3	0	40	425	8	7	195	230
27	4	19	478	7	46	390	88	4	22	23.0	7	54	-4.3	27.3	4	38	256	7	47	130	126
28	10	53	473	9	3	370	103	18	46	26.6	8	43	-0.7	27.3	20	56	311	8	10	82	229
29 D	23	45	923	9	27	343	580	10	5	50.8	23	59	-56.0	106.8	23	47	582	9	30	6	576
30 D	1	22	528	10	22	309	219	10	29	48.5	0	1	-59.0	107.5	1	22	371	10	14	77	294
31																					
Mean			512			388	124			31.3			-4.9	36.2			289			129	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 37. Agincourt. (H) 15,000 γ + . . . October, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	448	435	444	449	463	448	444	445	453	454	458	462	453	442	440	436	442	445	458	456	456	458	453	456	450
2	460	455	449	453	458	451	457	459	464	461	469	464	451	440	435	443	441	451	456	452	457	451	458	463	454
3	458	442	430	432	450	435	437	449	456	458	461	456	449	446	430	429	432	435	445	454	448	448	458	454	445
4 D	462	416	435	438	417	402	233	306	365	425	456	454	442	421	396	378	425	442	435	461	454	446	420	406	411
5 D	438	441	453	451	453	440	228	399	403	399	399	402	418	432	409	371	353	391	428	466	449	449	441	448	414
6	448	442	449	464	442	399	399	430	438	424	459	461	438	422	418	408	421	420	438	447	451	453	463	462	437
7	461	458	456	459	464	463	455	459	456	463	454	455	455	440	427	423	428	430	443	458	465	458	458	461	452
8	468	450	450	442	448	455	455	456	455	456	460	461	456	433	442	432	431	444	458	473	469	479	476	473	455
9	478	448	444	458	453	457	457	456	458	457	454	452	453	447	439	429	433	444	462	478	462	468	460	457	454
10	465	460	461	462	460	458	459	463	463	464	477	472	465	455	452	440	450	460	475	479	453	442	460	465	461
11	458	449	451	460	463	457	460	458	453	460	473	468	457	448	445	440	440	440	437	457	469	474	478	436	455
12	419	447	439	422	419	420	459	462	462	462	465	463	455	445	450	442	444	448	455	460	459	465	468	462	450
13	450	459	465	463	467	464	465	467	467	465	464	460	456	451	451	445	457	465	468	470	471	470	471	462	462
14	464	468	468	483	457	462	440	456	462	463	463	463	456	448	444	440	442	454	465	470	475	465	465	465	460
15 Q	462	465	465	462	464	465	465	466	468	468	467	465	457	444	433	431	435	447	450	463	467	468	473	475	459
16	474	474	476	471	478	468	468	471	475	478	474	467	467	458	450	444	448	455	465	469	474	473	473	473	468
17	465	458	432	419	441	447	458	458	455	458	460	460	455	455	436	428	435	434	446	458	460	462	452	450	449
18	447	450	453	433	441	453	450	448	447	466	462	460	455	446	440	428	436	447	460	466	457	463	464	464	452
19	465	462	462	464	463	460	465	462	455	452	468	470	466	453	442	431	435	448	460	470	472	471	472	466	460
20 Q	465	458	455	451	450	453	456	457	459	458	462	463	462	447	435	426	437	447	460	465	468	468	470	472	456
21	470	471	471	469	469	471	471	474	475	479	483	473	476	461	419	443	474	475	468	478	469	483	484	481	471
22 Q	475	477	475	468	465	470	470	470	471	472	466	461	458	452	445	433	434	440	455	465	473	473	473	473	463
23 Q	472	469	467	464	464	467	469	469	469	472	472	470	461	459	447	438	441	454	465	474	479	478	478	476	465
24 Q	475	477	471	471	470	469	470	470	472	474	474	472	467	454	446	442	444	451	462	472	480	482	484	482	468
25	480	477	476	474	477	479	483	485	490	488	485	481	477	462	456	449	449	436	443	459	474	469	444	459	469
26 D	444	423	436	436	426	449	438	435	457	464	464	449	448	451	416	407	431	441	451	451	438	443	446	438	441
27	434	432	438	435	444	452	452	451	451	453	452	454	451	446	449	452	454	446	454	456	464	462	465	454	450
28	451	456	444	447	454	462	458	457	461	464	465	470	468	464	465	464	456	464	470	470	476	475	475	472	463
29	469	459	454	459	465	464	465	467	463	459	468	472	469	467	453	444	450	445	455	461	456	431	439	430	457
30 D	425	415	412	397	405	452	454	454	459	463	468	464	457	447	434	399	407	456	464	452	437	439	428	428	438
31 D	426	422	425	434	436	437	349	415	453	464	470	447	428	420	425	409	407	428	443	443	443	439	424	441	430
Mean	457	452	452	451	453	451	439	451	456	459	463	461	456	447	438	430	436	445	455	463	462	461	460	458	452

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

Table 38. Agincourt. (D.) West. 7° + . . . ' October, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	11.1	10.7	6.3	16.5	24.6	15.0	14.7	17.7	14.7	12.6	12.6	9.9	9.8	10.7	12.1	16.2	18.5	19.8	19.3	18.9	17.7	16.0	14.4	11.7	14.7
2	14.6	14.1	13.5	15.3	16.2	18.2	12.6	12.6	12.2	14.4	13.7	13.1	11.7	15.6	17.6	17.8	17.6	19.9	20.4	21.2	19.8	18.6	16.1	15.2	15.9
3	13.5	15.8	13.2	15.7	19.7	11.7	12.0	11.3	12.9	13.4	13.5	13.0	13.2	13.8	16.2	21.9	24.2	24.0	22.2	24.4	21.4	12.8	20.7	18.4	16.7
4 D	-1.8	8.9	12.5	15.6	5.3	-5.7	7.3	18.4	20.8	15.3	13.0	9.9	10.1	12.0	16.2	23.8	22.2	20.3	21.7	15.8	12.9	17.1	5.7	-4.8	12.2
5 D	14.8	14.6	13.7	14.7	25.7	11.7	4.6	16.8	13.4	31.0	31.3	43.5	29.4	12.0	11.8	16.2	26.1	26.6	20.7	12.4	18.9	18.0	15.3	13.8	19.0
6	9.8	8.5	14.8	18.0	11.7	18.0	24.7	12.8	11.2	23.9	14.4	12.8	13.7	17.5	17.4	18.2	18.2	20.3	19.2	19.8	19.1	17.0	15.7	14.8	16.3
7	15.2	14.7	14.8	14.2	14.5	14.6	16.1	17.0	12.6	13.7	14.3	16.7	13.4	11.7	15.7	16.5	17.5	21.2	20.7	20.7	19.2	17.4	15.7	15.3	15.9
8	13.7	11.2	5.6	12.0	12.8	13.0	14.0	14.0	14.0	14.0	14.6	11.7	9.8	13.0	12.1	12.0	17.1	20.4	21.9	20.8	19.8	18.6	17.7	17.0	14.7
9	16.2	15.8	12.9	13.7	13.7	14.4	13.9	14.7	14.4	13.1	13.1	15.7	11.9	10.7	9.7	12.6	16.7	18.0	18.4	17.0	17.6	18.9	19.3	14.7	14.9
10	15.7	15.7	14.0	13.7	16.7	12.3	13.9	15.6	12.9	15.3	13.5	12.0	10.7	9.9	10.0	13.2	16.7	19.8	18.5	19.3	24.8	22.1	16.7	17.0	15.4
11	15.7	12.1	10.2	14.5	14.0	12.1	12.0	12.1	12.7	17.4	12.4	11.6	11.1	13.6	13.0	14.7	18.0	19.8	23.8	21.2	18.9	17.6	15.3	11.2	14.8
12	0.6	15.2	10.7	16.1	11.0	10.2	22.0	12.6	11.9	12.3	13.0	12.1	10.1	10.2	10.3	12.6	15.7	17.6	18.4	17.4	16.7	16.3	15.8	15.8	13.6
13	16.6	15.7	15.7	14.9	12.6	14.8	14.0	13.8	13.1	13.2	13.4	13.1	12.5	13.0	13.4	15.6	17.6	18.0	17.6	17.1	15.9	15.4	15.0	14.8	14.8
14	13.4	15.0	13.5	16.6	13.5	16.8	10.0	13.8	12.9	12.7	12.6	12.8	11.7	11.3	12.5	14.4	17.4	19.8	18.8	18.0	16.3	16.0	15.3	15.3	14.6
15 Q	14.8	14.7	14.8	15.5	15.3	14.7	14.5	14.7	14.5	14.4	14.1	13.1	12.6	11.7	12.5	15.3	18.0	20.1	20.2	19.3	17.6	15.7	15.3	14.4	15.3
16	14.6	13.8	14.1	13.5	13.5	13.9	13.8	13.9	13.7	12.9	11.7	11.7	9.7	10.4	9.6	13.1	15.8	18.8	18.7	18.3	16.7	15.9	16.1	18.3	14.3
17	15.7	14.4	10.4	9.8	8.6	15.3	19.4	14.7	12.1	13.6	12.0	11.3	10.0	8.9	9.8	12.9	16.8	23.0	25.1	22.1	20.8	19.3	16.7	15.7	14.9
18	14.4	11.1	12.3	5.2	9.0	12.0	13.5	13.6	25.5	13.5	10.0	10.4	8.9	9.8	10.7	16.2	22.7	26.2	23.8	20.7	21.0	17.0	15.7	13.9	14.8
19	13.5	13.8	11.6	13.2	13.8	13.7	15.8	15.7	14.5	23.8	11.2	10.4	10.8	10.5	10.7	16.1	20.2	20.9	19.8	18.4	17.3	15.9	14.8	14.7	15.0
20 Q	14.4	10.1	13.8	12.9	13.0	13.7	14.6	13.5	12.7	11.7	11.7	11.2	10.7	8.6	10.4	16.7	20.4	22.7	21.0	19.4	17.0	15.2	14.7	14.4	14.4
21	14.4	14.4	14.4	14.5	14.9	14.3	14.4	13.5	13.3	12.6	9.8	8.7	7.2	8.5	8.9	20.8	22.4	22.1	24.6	25.3	20.3	16.6	15.7	14.5	15.2
22 Q	13.8	13.3	13.5	14.3	14.7	14.5	14.0	13.5	12.9	12.9	13.0	12.1	10.8	8.9	8.9	13.2	16.9	19.2	19.5	18.5	17.1	15.8	15.3	14.8	14.2
23 Q	14.9	14.1	14.1	14.8	14.9	14.9	14.9	14.5	13.9	13.4	13.0	12.1	11.3	10.8	10.4	15.4	19.5	22.1	20.9	19.3	17.8	16.6	15.3	14.8	15.1
24 Q	13.6	13.9	14.0	14.5	14.8	14.9	14.8	14.5	14.1	13.8	13.7	12.7	11.7	10.4	10.3	12.2	15.1	17.7	18.5	18.1	17.6	16.7	15.8	14.9	14.5
25	14.4	14.0	13.8	13.8	14.0	13.9	13.2	12.7	12.2	11.7	11.8	15.7	12.7	11.1	13.1	14.8	18.5	20.9	24.0	22.0	18.1	16.7	11.4	15.1	14.9
26 D	14.2	11.5	14.0	13.1	10.2	15.7	11.9	18.5	16.6	14.0	13.1	17.9	39.0	30.9	27.5	30.0	28.1	23.5	19.2	17.9	18.6	17.1	13.5	18.1	17.3
27	12.2	10.9	12.6	11.4	13.3	14.6	14.0	14.8	18.5	13.7	11.2	11.8	12.2	13.8	15.7	17.1	17.8	19.0	18.5	17.6	16.4	16.3	15.4	15.5	14.8
28	15.0	15.4	11.9	14.5	15.8	18.1	14.5	13.0	12.9	14.0	14.8	13.8	13.2	14.8	14.8	15.8	17.3	17.4	17.9	17.1	15.8	15.4	14.8	15.4	15.1
29	14.9	14.2	15.5	16.3	15.8	14.7	15.4	14.4	14.5	15.5	13.8	12.4	15.8	15.8	14.0	19.6	21.1	21.6	22.2	21.7	20.3	18.9	19.4	16.9	16.8
30 D	11.0	6.7	8.7	4.8	-1.2	15.4	15.9	13.7	14.5	17.0	14.8	14.2	12.9	12.2	15.5	18.8	26.7	26.9	24.4	21.8	23.4	21.2	5.1	14.8	14.9
31 D	11.3	7.6	-2.8	6.3	13.8	16.0	31.5	9.1	12.6	10.3	11.8	20.3	38.2	34.5	29.1	28.1	24.6	21.3	20.8	18.8	15.8	15.7	10.4	8.8	18.5
Mean	13.1	12.9	11.3	13.6	13.7	13.7	14.7	15.2	14.1	14.8	13.4	13.7	13.7	13.1	13.6	16.8	19.5	20.9	20.7	19.3	18.4	17.0	14.9	14.0	15.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 39. Agincourt. (Z.) 56,000 γ + October, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	222	226	223	213	172	193	207	210	205	210	217	219	216	211	213	212	207	208	213	219	220	222	221	223	213
2	220	217	219	216	200	192	206	215	215	214	211	213	210	211	207	205	203	207	213	220	230	226	221	218	213
3	219	223	226	225	181	187	199	216	219	216	216	215	213	211	208	201	204	218	233	225	254	269	304	372	227
4 D	367	249	257	227	178	109	-3	-23	78	194	233	227	225	217	225	227	226	222	226	252	253	243	276	263	206
5 D	261	236	215	204	122	110	-10	104	42	58	88	110	140	213	214	220	240	275	275	296	240	237	235	237	181
6	234	240	180	175	203	157	117	154	171	176	208	217	214	217	221	227	232	234	241	236	230	230	228	226	207
7	224	222	223	222	219	213	201	183	211	218	210	218	214	216	216	216	215	220	223	227	230	232	232	228	218
8	227	232	232	227	228	220	211	213	220	220	220	221	222	217	217	207	207	207	211	216	220	226	224	220	220
9	228	264	249	232	226	219	217	221	221	220	219	220	213	214	213	207	205	203	206	213	214	226	224	226	221
10	224	225	224	226	214	214	220	220	217	213	213	217	218	214	217	229	226	232	236	241	255	255	247	244	227
11	244	249	252	247	241	236	240	234	226	217	220	230	228	232	229	229	228	234	243	246	246	247	247	259	237
12	256	260	248	213	181	189	189	230	235	236	238	238	242	242	241	228	229	230	233	235	238	238	238	237	231
13	239	236	233	233	233	232	234	233	232	231	231	231	231	232	231	225	224	225	228	225	227	230	229	232	231
14	227	228	229	209	224	202	202	227	227	226	227	228	228	228	229	222	219	227	229	227	230	230	229	230	224
15 Q	230	228	228	230	230	229	227	227	228	227	227	228	229	228	228	227	224	227	232	234	228	230	230	229	228
16	229	227	227	228	223	226	228	227	227	225	223	224	228	223	223	220	224	232	232	234	231	232	232	233	228
17	234	235	242	235	209	221	200	212	218	221	221	224	231	229	225	219	221	230	235	235	237	241	242	245	228
18	245	239	221	219	221	224	215	202	174	181	208	224	227	225	222	215	217	227	229	233	235	236	233	233	221
19	230	228	225	219	224	225	221	209	202	173	192	213	216	214	213	206	206	208	215	224	230	230	225	228	216
20 Q	227	224	227	222	220	219	223	224	224	223	227	228	231	225	223	225	223	225	225	224	228	231	231	228	225
21	227	224	227	227	225	224	225	224	224	224	217	216	225	219	206	212	212	219	228	233	225	225	222	224	222
22 Q	222	219	220	219	220	219	220	218	218	218	218	218	220	218	214	208	212	218	223	224	224	221	218	218	219
23 Q	216	215	216	215	216	215	215	215	215	214	214	215	217	214	211	205	211	215	218	215	218	219	217	216	215
24 Q	215	214	214	214	212	213	214	214	214	213	213	213	215	214	212	208	202	206	210	212	216	216	215	213	212
25	212	212	212	214	213	212	213	212	209	209	206	205	201	206	207	202	201	209	221	222	227	227	237	236	214
26 D	242	273	153	219	206	201	198	198	206	218	218	203	174	172	183	185	221	231	233	229	236	238	244	242	215
27	248	245	242	232	237	228	225	218	201	192	204	219	222	224	221	221	218	221	218	222	224	225	224	224	223
28	225	218	215	225	222	206	207	221	221	221	219	218	218	218	212	215	215	220	220	224	221	220	219	219	218
29	218	221	224	221	218	218	221	218	218	214	212	212	212	209	208	215	219	228	231	239	251	266	275	295	228
30 D	319	309	297	198	201	233	233	229	227	223	222	225	224	222	221	221	241	248	248	258	276	275	333	283	248
31 D	263	242	183	183	219	214	99	80	172	218	214	202	178	192	219	215	237	245	233	239	240	248	257	245	210
Mean	238	234	225	218	210	206	194	199	203	208	213	216	215	217	217	216	218	223	227	231	233	235	239	239	220

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 40. Agincourt — October, 1952.

Day	Horizontal Force						Declination							Vertical Force					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	7° Maximum West +			7° Minimum West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	4	0	476	1	8	414	62	4	52	27.4	0	32	0.7	26.7	4	0	231	1	8	160	71
2	10	45	470	13	10	432	38	19	35	22.4	13	0	10.3	12.1	20	30	233	5	33	181	52
3	22	8	484	20	55	418	66	20	35	26.6	5	42	7.1	19.5	23	59	433	3	39	160	273
4 D	0	19	557	6	16	159	398	6	13	27.1	22	50	-21.2	48.3	0	27	457	7	47	-70	527
5 D	9	18	489	6	50	98	391	6	55	65.2	6	34	-14.4	79.6	19	17	358	6	45	-153	511
6	2	56	481	6	22	373	108	6	28	29.3	2	15	-8.4	37.7	0	15	260	6	20	79	181
7	21	0	472	14	52	411	61	6	58	22.2	13	24	11.4	10.8	21	56	235	7	27	173	62
8	23	7	521	13	58	418	103	23	9	25.8	2	8	-2.1	27.9	2	1	238	17	22	203	35
9	0	28	490	15	28	424	66	1	12	20.8	14	27	9.1	11.7	1	31	270	17	6	200	70
10	19	5	498	21	58	435	63	20	25	26.2	13	15	9.8	16.4	20	56	263	9	33	204	59
11	22	43	488	18	17	417	71	18	9	25.3	23	59	-4.8	30.1	23	34	267	9	0	206	61
12	6	44	475	3	53	400	75	6	8	27.9	0	5	-6.4	34.3	0	28	261	5	12	145	116
13	22	33	475	15	22	440	35	17	40	18.4	4	33	10.3	8.1	0	20	240	19	30	222	18
14	3	10	502	6	14	433	69	5	37	21.7	6	22	6.0	15.7	2	50	233	6	14	179	54
15 Q	23	30	477	16	20	429	48	18	35	20.7	13	8	11.6	9.1	18	55	235	16	16	222	13
16	4	43	493	15	45	441	52	23	48	20.3	12	28	7.5	12.8	4	30	237	4	49	209	28
17	0	58	471	3	56	410	61	18	5	27.1	4	0	-1.1	28.2	2	25	245	6	28	192	53
18	19	35	471	3	25	420	51	8	20	35.3	3	35	-1.6	36.9	1	12	247	8	41	144	103
19	20	30	475	15	57	426	49	9	19	32.6	14	2	8.9	23.7	0	1	234	9	30	155	79
20 Q	23	25	474	15	18	425	49	17	21	23.5	1	15	6.2	17.3	21	38	233	5	0	215	18
21	10	13	504	14	26	387	117	16	13	28.9	14	28	1.6	27.3	19	5	236	14	25	192	44
22 Q	0	48	480	16	0	431	49	17	47	19.8	14	5	8.3	11.5	19	8	224	15	32	206	18
23 Q	23	24	482	15	29	434	48	17	36	22.2	14	1	9.4	12.8	4	55	224	15	30	145	79
24 Q	22	1	486	15	47	440	46	18	45	18.6	13	44	9.9	8.7	21	10	216	16	2	201	15
25	9	2	491	17	40	428	63	18	28	25.0	22	41	5.8	19.2	22	38	241	11	38	198	43
26 D	2	3	513	2	18	361	152	12	7	41.7	2	6	-35.5	77.2	2	3	399	2	45	117	282
27	22	44	470	3	32	425	45	8	35	21.3	1	54	5.7	15.6	0	40	251	9	1	186	65
28	22	25	479	2	35	436	43	1	53	20.6	2	37	6.3	14.3	3	35	227	5	9	198	29
29	13	3	483	21	25	423	60	15	53	23.5	11	5	12.0	11.5	23	59	304	14	55	204	100
30 D	19	32	478	4	9	352	126	16	57	31.2	4	13	-19.6	50.8	22	22	425	3	53	136	289
31 D	2	57	479	6	58	254	225	6	57	63.0	2	42	-21.3	84.3	0	2	273	6	55	-22	295
Mean			486			393	93			27.8			0.7	27.1			272			154	118
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 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	461	449	449	444	441	453	453	457	459	460	458	459	454	446	418	433	451	454	449	444	454	452	450	439	449
2	439	449	449	449	452	459	461	454	456	464	464	460	454	447	421	430	436	444	453	454	452	466	464	467	452
3	464	455	448	452	457	458	456	461	462	455	464	469	472	464	450	452	454	456	464	465	469	467	464	459	460
4 Q	457	457	457	466	468	463	463	467	467	464	466	467	461	452	444	443	446	454	466	475	479	469	469	472	462
5	467	464	458	459	462	466	462	467	467	467	467	467	464	449	438	441	444	452	466	474	479	477	472	475	462
6	478	479	477	465	455	463	464	451	454	461	464	466	449	458	457	452	452	457	459	465	473	474	476	469	463
7	461	449	467	464	463	474	463	468	468	469	469	465	464	454	449	446	453	461	458	457	461	470	446	461	461
8	463	461	462	463	483	463	458	459	460	463	468	470	467	461	456	448	449	453	457	455	472	455	463	466	461
9	466	457	455	470	465	463	466	467	467	469	472	471	467	460	455	445	458	463	471	478	471	466	473	474	466
10 Q	473	471	472	471	470	469	468	471	472	473	473	471	464	456	451	447	451	452	466	474	476	476	476	476	468
11 Q	476	471	471	471	472	471	469	471	471	472	472	471	466	458	451	445	445	453	460	466	469	471	467	466	466
12 Q	470	469	471	470	468	468	468	467	468	470	471	472	467	461	458	458	460	460	470	475	478	476	478	475	469
13 Q	475	471	478	476	473	473	472	473	475	474	475	473	471	463	459	457	460	464	476	484	489	491	491	489	474
14	484	479	473	473	471	471	466	470	471	478	484	484	481	475	470	466	470	474	481	484	481	484	476	489	476
15	486	484	481	479	478	466	460	463	450	466	469	469	466	458	450	448	452	461	469	466	466	478	481	481	468
16	480	479	478	476	476	470	472	461	461	471	477	486	469	456	461	462	458	468	473	469	467	468	470	472	470
17	467	466	466	465	463	468	468	465	462	457	461	463	461	456	457	467	473	481	485	480	466	477	468	471	467
18	473	472	475	469	465	475	475	479	471	466	464	465	461	456	455	456	464	472	483	487	486	476	474	471	471
19	471	468	468	461	466	465	464	468	467	468	468	469	463	453	451	456	465	468	474	476	477	476	478	477	468
20	476	473	477	478	477	478	478	478	480	483	480	477	477	468	468	467	469	473	487	489	492	487	480	481	478
21 D	466	462	463	466	456	457	468	419	386	437	436	451	453	448	444	440	439	447	460	469	475	471	463	455	451
22	435	419	443	448	450	458	451	450	458	462	462	450	451	458	448	437	436	443	452	458	465	467	468	470	452
23	465	462	463	467	456	451	463	458	455	455	462	467	469	470	466	456	451	452	460	466	470	472	475	472	462
24	466	471	471	469	468	468	470	470	469	467	474	475	470	462	462	463	460	470	476	482	481	476	474	472	470
25	461	457	467	465	466	469	467	469	471	474	469	475	470	460	460	459	464	465	471	470	470	463	468	470	467
26 D	469	470	470	470	470	472	476	465	460	460	461	465	469	465	467	455	447	464	477	451	434	441	439	426	460
27 D	439	451	447	435	435	427	383	390	411	420	455	435	420	430	455	447	428	428	439	444	441	436	447	440	433
28 D	430	434	451	462	451	444	449	460	449	451	448	448	448	430	441	427	420	434	424	434	444	449	450	452	443
29	452	459	453	457	457	457	457	459	460	458	461	470	461	453	449	452	451	452	442	457	465	467	457	454	457
30	447	454	459	457	458	455	465	450	457	462	465	461	459	457	457	447	446	452	458	465	460	457	457	462	457
31																									
Mean	464	462	464	464	463	463	462	460	459	463	466	467	462	456	452	450	452	458	464	467	469	469	467	467	462

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42. Agincourt. (D.) West. 7° + . . . ′ November, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	3.9	8.7	11.1	13.0	12.7	14.8	16.3	14.2	12.8	12.9	15.8	17.9	16.9	15.8	20.9	22.8	23.1	21.7	20.8	22.2	17.5	15.7	15.0	2.6	15.4
2	10.7	13.9	12.2	10.8	18.9	16.8	15.9	18.6	17.7	14.5	12.9	13.1	12.1	12.2	17.4	21.8	20.9	23.6	21.5	19.4	15.4	14.5	14.9	13.6	15.9
3	13.8	12.0	10.8	14.0	13.9	14.8	18.4	17.6	14.8	18.1	17.2	12.2	10.8	12.8	15.5	18.2	20.4	19.9	18.9	17.2	15.8	15.2	14.9	14.4	15.5
4 Q	13.1	14.0	14.0	14.8	14.8	15.0	15.8	17.1	13.8	14.0	13.5	12.7	12.1	12.2	13.3	15.0	17.6	17.9	17.1	15.8	14.9	14.9	14.8	14.1	14.7
5	14.0	14.4	13.1	14.0	14.5	15.8	15.0	14.8	14.3	14.5	14.9	12.6	11.7	12.7	16.2	17.5	18.8	19.9	19.9	18.1	15.4	14.1	13.5	12.6	15.1
6	11.7	11.8	12.6	11.2	9.4	13.1	12.6	11.8	12.8	9.9	10.3	11.3	12.1	12.6	11.4	13.6	18.0	18.1	19.4	18.9	16.8	15.8	14.4	15.0	13.5
7	13.0	9.7	12.6	12.2	11.3	11.8	14.5	15.8	14.0	13.0	12.1	11.7	10.3	9.6	10.8	14.4	17.2	17.8	21.7	24.5	20.8	20.0	15.9	15.0	14.6
8	15.4	12.6	12.3	11.3	13.6	12.5	12.6	13.2	12.7	12.6	11.9	12.2	10.5	10.5	11.2	12.3	14.2	16.6	18.1	17.8	17.8	15.9	13.6	14.5	13.6
9	14.9	12.0	7.8	14.1	13.7	13.7	16.6	14.6	13.3	14.4	14.0	13.6	13.1	11.9	13.2	15.9	17.2	18.8	17.9	17.3	16.2	15.1	15.2	14.0	14.5
10 Q	13.7	13.6	13.6	14.0	14.1	14.3	14.6	14.5	13.6	13.7	13.3	13.1	12.3	11.8	14.0	16.3	18.8	20.2	19.5	17.3	15.5	15.4	14.6	14.3	14.9
11 Q	14.1	13.6	13.5	14.3	14.3	14.1	14.7	14.1	13.6	13.5	12.8	13.0	12.2	12.3	12.7	14.4	18.1	20.9	21.0	18.0	15.5	15.1	16.2	15.4	14.9
12 Q	14.6	14.2	14.1	14.5	14.6	14.2	13.2	13.2	13.6	12.8	12.3	12.4	11.9	12.8	13.1	15.0	17.2	18.2	17.2	15.4	14.1	14.3	14.6	14.1	14.2
13 Q	13.2	12.3	13.6	14.3	14.1	14.1	14.2	14.2	14.1	13.7	13.2	13.2	12.4	10.9	11.5	15.2	17.1	18.1	17.9	16.8	15.1	14.2	13.6	13.3	14.2
14	13.1	13.4	14.1	14.9	14.7	15.4	14.1	14.2	11.6	11.9	11.3	10.6	10.0	9.9	10.9	14.9	17.3	18.6	17.2	15.5	15.0	15.9	15.0	14.5	13.9
15	13.5	13.4	13.4	13.6	14.3	13.2	13.2	12.7	16.1	14.1	9.9	11.6	12.8	13.0	13.9	16.4	18.1	18.0	17.8	17.3	16.8	15.1	14.5	13.6	14.4
16	13.3	13.4	13.6	14.0	14.5	14.2	13.2	14.5	14.1	10.9	9.9	8.5	15.5	17.8	20.0	20.9	21.6	18.9	18.1	17.2	15.0	14.1	14.1	14.1	15.0
17	14.1	13.2	14.1	14.6	14.6	14.9	15.0	14.7	15.5	13.2	11.9	9.9	10.4	10.5	12.3	15.4	16.4	17.9	18.2	21.9	24.1	18.7	17.7	16.2	15.2
18	14.5	13.6	13.2	13.7	14.9	14.4	14.1	13.7	12.8	13.9	11.6	10.9	10.9	11.8	13.7	16.9	19.0	19.8	18.6	16.5	16.0	15.1	15.2	14.5	14.6
19	13.6	14.2	14.2	14.2	14.3	15.1	14.4	14.7	13.8	13.4	13.8	13.5	12.9	12.3	12.8	16.4	18.1	19.7	18.3	16.8	15.1	14.7	14.6	14.2	14.8
20	14.2	13.9	13.7	15.0	15.1	14.6	14.0	13.7	13.2	12.4	12.5	12.9	11.7	11.4	12.0	14.2	15.5	16.5	16.0	15.0	13.8	14.6	14.7	14.0	14.0
21 D	11.0	12.8	12.4	12.3	15.5	12.7	12.4	9.7	30.6	5.9	9.6	17.0	12.6	11.8	13.2	16.4	18.3	19.1	19.7	16.4	15.0	14.4	15.0	16.1	14.6
22	13.9	6.2	13.8	13.3	16.0	18.2	19.6	19.7	15.6	10.0	10.0	15.6	14.1	14.6	15.9	17.8	21.6	20.8	20.1	18.3	16.2	14.7	13.7	13.2	15.5
23	13.3	13.8	7.3	11.5	14.7	17.2	24.6	13.4	11.7	9.1	9.2	11.4	10.6	11.5	12.9	15.5	16.8	17.3	17.7	16.5	15.3	14.7	14.6	14.2	14.0
24	13.7	14.1	14.1	14.5	14.6	14.6	14.6	14.3	14.1	16.0	11.0	10.5	12.8	12.8	13.8	17.6	17.9	18.8	18.3	16.5	15.1	14.2	13.7	13.6	14.6
25	13.8	12.6	11.5	13.8	14.2	14.6	14.7	14.6	14.6	16.9	12.9	11.4	12.0	13.3	13.8	16.6	18.3	18.8	18.3	16.3	15.5	14.9	14.7	14.3	14.7
26 D	14.1	14.3	14.3	14.2	14.1	13.8	15.5	11.9	8.3	7.9	6.6	10.5	12.8	16.4	16.3	20.1	23.3	27.3	21.4	20.9	21.5	21.1	7.3	13.8	15.3
27 D	14.3	14.7	14.8	14.7	9.8	12.5	3.4	20.2	10.6	23.0	16.3	28.0	31.1	35.3	18.4	19.8	21.8	20.6	18.9	18.1	15.2	15.5	14.2	2.0	17.1
28 D	2.3	10.9	11.1	13.9	13.7	14.3	14.7	25.7	13.4	11.1	14.2	16.1	18.3	20.3	17.4	14.3	16.6	16.3	16.6	14.2	15.3	16.1	14.3	12.9	14.8
29	13.4	12.9	11.1	13.9	14.8	14.8	15.2	14.8	16.5	14.3	15.1	17.1	17.9	17.4	16.7	17.5	17.9	18.2	18.0	15.3	15.3	15.2	14.2	13.0	15.5
30	9.8	11.1	13.7	14.4	13.9	15.2	19.2	20.1	13.3	12.6	12.8	13.7	14.3	13.3	13.7	16.6	17.5	18.2	17.1	15.7	14.8	14.5	13.5	13.5	14.7
31																									
Mean	12.7	12.7	12.7	13.6	14.1	14.5	14.9	15.2	14.2	13.1	12.4	13.2	13.3	13.7	14.3	16.6	18.5	19.2	18.7	17.6	16.2	15.4	14.4	13.3	14.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 43. Agincourt. (Z.) 56,000 γ + November, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	229	227	230	226	229	221	219	222	227	224	222	212	209	209	204	213	215	221	233	237	239	242	243	251	225
2	237	239	231	225	201	201	215	219	214	224	224	221	225	224	219	222	219	225	228	232	236	235	230	228	224
3	227	225	227	228	224	225	221	221	223	218	208	218	215	215	214	221	220	225	228	231	230	227	225	224	222
4 Q	226	225	226	219	221	223	221	215	216	220	221	221	219	219	215	215	214	216	218	221	221	221	221	221	220
5	218	219	221	221	222	219	220	220	220	218	218	219	221	222	224	223	219	221	221	221	220	220	221	218	220
6	215	214	213	217	231	221	224	219	218	221	222	215	212	213	213	208	209	218	216	218	219	219	221	225	218
7	227	231	236	231	227	219	219	221	219	219	219	219	218	218	214	209	209	215	221	227	234	242	256	238	225
8	230	228	225	224	211	204	219	224	221	218	215	214	215	212	209	204	209	215	220	227	227	237	228	226	219
9	224	227	227	219	219	219	219	215	215	215	214	215	214	214	209	209	211	216	222	221	218	219	222	218	218
10 Q	218	218	218	217	216	218	218	218	219	218	218	217	217	216	213	215	218	221	224	224	221	221	221	218	218
11 Q	218	218	218	218	218	218	219	219	217	216	214	215	217	215	212	209	212	215	216	218	217	219	221	221	217
12 Q	218	218	218	218	218	217	215	211	215	217	215	215	214	212	208	208	209	213	216	218	218	215	215	215	215
13 Q	214	214	213	212	212	212	214	214	213	212	212	212	212	211	207	204	204	207	212	213	212	211	209	208	211
14	209	208	210	210	208	208	212	213	213	213	212	211	210	209	203	198	204	209	210	213	212	215	216	215	210
15	212	211	212	215	215	215	214	213	204	204	206	212	216	217	212	207	209	211	216	220	225	221	217	217	214
16	215	213	212	212	212	210	198	204	212	215	215	209	207	202	198	208	211	216	213	215	216	217	217	218	211
17	218	218	218	218	218	218	218	214	209	212	214	216	218	218	214	211	210	210	215	217	228	234	230	230	218
18	224	221	218	215	215	215	214	212	202	208	214	215	215	209	204	204	210	213	216	215	217	215	216	216	214
19	218	218	218	218	218	218	215	215	215	215	215	215	217	215	208	198	204	209	213	215	214	215	215	216	214
20	215	217	215	216	213	215	213	213	212	209	212	212	212	209	207	204	209	207	215	212	209	209	210	212	212
21 D	213	218	218	219	219	208	194	176	90	127	175	200	213	218	214	215	216	218	222	218	215	216	217	222	202
22	228	236	236	224	221	212	212	201	210	215	207	209	202	212	204	206	213	221	225	224	219	218	217	218	216
23	219	217	209	201	209	206	174	196	209	207	207	213	212	212	211	213	215	218	218	218	219	219	218	216	211
24	215	215	214	214	215	214	214	212	202	198	198	206	207	209	212	208	215	219	220	215	213	214	215	214	211
25	214	217	208	213	213	214	214	213	212	203	202	208	207	205	205	203	206	208	214	216	214	215	216	214	211
26 D	213	214	212	212	212	212	200	194	193	179	191	206	210	208	203	203	213	216	217	224	253	255	303	321	219
27 D	260	233	223	220	214	194	152	141	123	138	173	164	171	187	202	212	214	227	228	235	242	241	236	241	203
28 D	234	234	212	203	217	213	203	191	203	208	207	208	208	220	219	221	230	235	234	239	235	234	232	233	220
29	227	224	222	218	220	221	220	218	211	211	217	211	209	214	218	217	214	216	221	223	221	223	221	223	218
30	221	223	222	220	218	216	205	205	208	217	215	213	214	215	213	212	217	216	217	218	218	220	223	222	216
31																									
Mean	222	222	219	218	217	215	211	209	206	208	210	212	212	213	211	210	213	217	220	222	223	224	225	225	216

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 44. Agincourt — November, 1952.

Day	Horizontal Force							Declination							Vertical Force						
	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	0	54	476	14	46	407	69	16	35	24.8	23	45	-31.6	56.4	23	38	286	11	55	198	88
2	23	46	470	14	35	409	61	17	26	24.9	0	1	-1.1	26.0	0	35	245	4	48	186	59
3	11	46	474	14	55	437	37	10	0	22.6	1	55	7.6	15.0	19	17	231	10	47	202	29
4 Q	20	27	488	15	38	440	48	7	38	19.9	13	13	11.6	8.3	2	35	227	8	0	209	18
5	20	48	480	14	30	433	47	18	0	20.5	2	42	9.1	11.4	14	40	224	10	32	215	9
6	22	7	482	7	14	436	46	18	21	20.2	4	28	5.8	14.4	4	32	233	16	2	199	34
7	5	20	483	22	18	433	50	19	26	26.7	4	57	4.8	21.9	22	22	265	15	30	207	58
8	4	35	497	21	38	442	55	21	28	21.0	4	23	7.5	13.5	21	37	244	5	56	192	52
9	19	3	484	15	15	441	43	17	55	19.5	2	26	6.3	13.2	1	57	231	15	0	208	23
10 Q	21	1	481	17	15	443	38	17	35	20.9	13	30	11.6	9.3	18	4	225	14	30	212	13
11 Q	0	6	476	16	4	439	37	18	37	21.4	13	29	12.2	9.2	23	40	223	15	0	208	15
12 Q	22	45	479	17	16	455	24	17	21	19.0	12	30	11.8	7.2	4	5	219	14	50	205	14
13 Q	22	5	496	15	24	453	43	17	35	18.7	13	50	10.8	7.9	1	40	215	15	23	202	13
14	23	31	492	6	24	463	29	17	10	18.7	11	18	8.7	10.0	22	50	217	15	23	196	21
15	1	5	489	8	19	445	44	20	3	18.9	10	39	8.8	10.1	20	0	227	8	43	198	29
16	11	28	489	14	10	437	52	14	38	23.7	11	24	7.2	16.5	23	15	219	6	52	189	30
17	18	47	505	14	7	454	51	20	3	29.0	13	4	9.1	19.9	21	43	242	18	8	203	39
18	20	17	492	13	25	446	46	17	26	20.0	12	44	9.5	10.5	0	35	225	8	27	198	27
19	23	14	479	13	42	443	36	17	22	20.1	13	47	9.7	10.4	4	0	219	15	24	198	21
20	20	58	494	13	29	462	32	17	32	18.1	13	35	10.6	7.5	2	20	218	14	45	203	15
21 D	20	26	476	8	8	330	146	8	17	38.2	9	43	0.0	38.2	23	50	224	8	42	68	156
22	23	55	470	1	7	353	117	16	50	24.7	1	14	-0.3	25.0	2	6	242	12	29	195	47
23	22	56	476	5	40	446	30	6	10	31.6	2	35	-1.8	33.4	2	32	224	6	28	162	62
24	19	26	483	16	36	452	31	17	28	19.6	11	40	10.0	9.6	17	25	220	9	52	190	30
25	2	12	478	1	8	447	31	18	23	19.1	2	1	8.9	10.2	1	30	218	10	8	194	24
26 D	22	33	521	23	10	405	116	17	30	31.5	22	48	-13.1	44.6	22	35	446	9	15	170	276
27 D	11	0	472	7	0	353	119	11	59	42.8	23	38	-4.7	47.5	0	1	287	8	36	96	191
28 D	7	17	483	16	12	408	75	7	27	32.1	0	36	0.0	32.1	19	2	247	7	44	178	69
29	11	28	474	18	32	434	40	14	1	19.5	23	54	9.2	10.3	0	30	227	11	55	205	22
30	6	22	477	15	53	433	44	6	33	23.5	0	43	8.2	15.3	22	15	224	6	48	194	30
31																					
Mean			484			429	55			23.7			4.9	18.8			240			189	51
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, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	459	464	462	457	455	450	447	455	455	454	467	476	476	472	460	468	467	457	471	483	460	448	452	452	461
2 D	441	450	458	450	455	456	460	457	459	458	460	463	461	438	379	429	457	465	459	452	436	459	435	439	449
3	455	454	447	450	439	462	451	454	450	457	465	462	461	455	455	466	470	465	472	467	470	450	460	470	458
4 D	444	379	439	452	441	447	439	435	441	450	455	445	447	440	431	426	442	439	419	447	441	447	455	437	439
5	439	444	472	452	449	462	465	455	450	441	457	464	449	454	452	450	444	455	464	462	449	468	470	467	455
6	463	459	459	460	469	460	460	457	459	462	463	463	460	454	448	441	441	452	459	465	469	468	466	467	459
7	465	462	460	465	465	465	465	457	461	469	467	467	468	461	455	453	452	455	461	462	467	469	472	472	463
8	466	464	467	466	464	464	464	460	461	465	471	471	469	469	461	456	461	462	466	471	474	473	473	472	466
9 Q	471	469	469	465	464	465	464	466	469	469	469	470	471	467	465	460	460	466	475	479	481	479	479	480	470
10	477	473	467	465	463	461	465	467	471	474	474	474	471	473	470	457	451	452	464	464	466	459	459	457	466
11	457	460	458	458	454	448	443	451	458	460	464	469	464	461	466	457	450	444	450	464	474	471	466	464	459
12	461	459	462	461	465	464	471	469	462	466	472	469	460	465	466	465	464	456	460	463	469	471	469	470	465
13 D	450	430	437	434	430	420	406	423	368	310	360	398	435	450	444	439	442	448	454	457	462	461	453	456	427
14	455	454	452	456	455	456	454	453	454	453	452	456	453	451	449	443	440	440	444	451	455	463	471	465	453
15	456	450	457	460	454	456	454	447	443	445	459	468	465	468	468	462	462	464	469	472	474	474	474	469	461
16	470	468	469	466	473	464	459	456	454	457	453	452	466	466	465	458	448	454	461	466	471	456	458	459	461
17	450	443	443	441	433	435	437	446	451	460	466	466	462	459	453	452	455	464	472	474	479	477	479	471	457
18	474	464	458	451	453	460	467	469	472	471	471	471	471	466	461	456	453	456	455	454	471	483	480	476	465
19 Q	469	466	471	468	468	465	464	464	465	466	469	469	468	471	470	470	467	464	469	475	479	474	476	474	469
20 Q	469	467	469	476	478	475	475	475	476	475	475	473	471	466	465	460	456	464	472	478	484	480	479	479	472
21 Q	475	471	470	470	467	469	476	473	474	474	478	476	476	469	461	453	452	459	464	469	475	478	479	479	470
22	475	471	463	466	466	464	465	467	467	467	473	476	471	469	449	435	448	456	464	468	469	470	469	467	465
23 Q	464	464	464	463	463	463	462	464	467	466	468	468	469	467	461	449	446	450	464	473	479	484	487	489	466
24	486	477	464	458	469	478	474	475	479	477	484	489	479	450	443	449	451	444	451	451	446	463	453	446	464
25	438	429	438	430	466	456	456	453	453	433	456	468	463	444	464	454	443	434	444	452	456	464	469	467	451
26	454	456	460	458	456	476	456	458	461	466	471	471	469	469	464	451	438	451	456	464	474	476	474	469	462
27	458	456	451	454	451	456	466	464	461	466	464	458	464	467	466	454	448	458	466	465	477	482	500	477	464
28	453	461	467	458	451	451	451	454	458	461	461	458	462	456	443	445	443	440	438	452	459	466	438	422	452
29 D	433	447	466	479	456	446	453	453	447	448	457	461	458	457	451	431	380	386	418	433	452	451	440	444	443
30 D	444	459	454	466	456	433	435	441	438	445	456	460	451	442	424	433	404	438	459	464	458	448	458	463	447
31	459	482	466	459	456	458	469	458	452	461	462	453	458	462	440	419	447	456	453	448	438	453	448	448	455
Mean	459	456	459	458	457	457	457	457	456	456	462	464	464	460	453	450	448	451	458	462	465	467	466	463	459

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

Table 46. Agincourt. (D.) West. 7° + . . . ′ December, 1952.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	13.7	13.5	13.8	13.8	11.5	12.9	12.8	14.4	15.1	18.9	13.0	12.0	10.9	11.6	14.7	18.3	18.2	21.1	23.4	17.5	19.2	13.3	17.4	12.5	15.1
2 D	11.5	9.8	8.3	12.5	16.6	14.8	14.3	13.4	13.5	13.4	13.4	14.1	13.7	18.0	29.8	31.8	20.8	19.1	19.8	20.2	14.9	17.1	16.0	9.0	16.1
3	13.9	12.8	11.8	10.2	13.5	17.9	12.2	12.9	12.5	12.5	11.6	11.6	11.6	12.1	13.5	15.7	16.2	18.1	17.2	17.0	17.4	16.5	13.5	14.5	14.1
4 D	10.5	20.3	9.1	15.5	13.6	19.4	17.1	19.4	19.4	15.3	13.1	17.0	16.7	17.6	19.9	20.7	21.7	22.8	24.3	23.5	20.3	18.0	12.1	6.3	15.5
5	10.8	7.0	9.1	7.1	14.9	12.6	17.3	15.6	14.4	20.8	17.2	13.9	12.7	12.2	14.2	15.8	17.5	18.3	17.4	17.5	14.6	15.5	14.9	14.0	14.4
6	13.6	13.6	14.0	14.0	17.0	15.7	16.0	16.5	15.3	14.4	13.9	13.6	13.5	12.2	14.0	15.8	18.4	20.0	19.0	17.1	15.7	15.7	15.4	14.9	15.3
7	15.3	14.1	14.8	14.4	14.5	15.1	14.8	13.4	14.4	13.0	12.6	13.7	13.5	12.6	14.0	15.8	18.4	19.9	18.6	16.7	15.3	15.8	15.3	14.4	15.0
8	14.2	13.6	13.2	13.6	13.6	14.1	14.0	15.4	13.6	13.0	13.2	13.0	13.4	12.1	13.3	15.7	16.3	17.6	18.0	16.8	16.2	15.8	14.7	14.3	14.5
9 Q	13.6	13.1	13.1	13.5	13.6	14.0	14.3	14.5	14.5	13.0	13.3	13.0	13.5	13.3	12.7	14.3	15.9	17.2	16.2	15.3	14.9	14.9	14.3	13.8	14.2
10	13.5	13.7	14.9	15.3	14.4	14.6	15.2	14.8	14.7	14.4	13.5	13.9	15.4	15.8	14.8	16.7	20.7	21.2	19.9	18.1	20.3	18.5	17.3	14.9	16.1
11	14.0	13.9	13.8	14.4	13.7	9.7	11.2	13.0	13.4	10.8	13.8	14.3	14.8	15.8	14.8	14.8	16.5	18.1	18.1	18.0	16.8	15.4	14.7	14.9	14.5
12	14.5	13.6	14.5	14.5	14.6	14.7	16.5	14.6	18.4	11.8	11.3	12.6	15.1	23.8	20.4	22.2	20.1	18.4	17.7	16.7	15.8	15.0	14.9	14.5	16.1
13 D	14.9	13.6	12.6	10.3	2.2	8.2	12.8	21.7	16.0	51.7	43.2	24.7	25.7	19.4	14.4	15.3	16.9	17.3	16.7	15.8	15.5	15.4	15.4	14.6	18.2
14	14.5	14.0	14.9	14.0	15.3	15.4	15.9	15.4	15.4	15.1	15.3	14.6	14.6	14.7	15.0	16.8	17.3	17.2	16.3	15.9	15.7	15.1	14.4	15.3	15.3
15	14.3	13.8	13.1	15.0	13.6	14.6	13.5	12.6	12.3	14.0	8.6	9.4	11.8	12.0	13.7	16.3	17.7	17.2	15.4	14.5	14.7	14.7	14.5	14.3	13.8
16	13.8	12.9	14.0	14.0	14.9	15.1	14.4	14.1	14.9	11.3	10.9	12.7	13.8	11.7	13.7	17.3	20.4	20.9	18.6	17.7	17.6	19.0	17.3	17.2	15.3
17	16.3	12.7	12.1	12.7	12.1	14.9	14.5	19.2	14.5	13.2	14.3	15.0	14.5	13.5	13.2	14.9	16.6	16.6	15.8	16.0	15.8	16.1	17.0	17.2	14.9
18	15.5	13.7	11.8	8.9	14.0	15.0	15.7	14.9	13.8	13.6	13.8	13.9	13.6	11.6	12.6	14.5	16.8	18.5	19.1	19.2	17.4	15.8	14.1	14.0	14.7
19 Q	13.0	11.9	14.5	14.2	14.1	14.1	14.5	14.8	14.5	14.4	14.1	14.0	13.6	13.1	13.0	14.5	16.3	17.3	16.6	15.8	15.3	15.3	14.1	13.7	14.4
20 Q	13.9	13.7	13.2	14.1	15.0	15.5	15.0	14.9	14.6	14.1	14.6	13.9	14.4	13.3	13.7	15.0	16.5	18.3	17.7	16.3	15.1	15.0	14.2	13.7	14.8
21 Q	13.6	13.5	13.8	14.1	14.2	14.8	16.4	14.6	12.8	12.4	12.8	12.8	12.8	12.4	13.2	14.2	16.5	18.7	18.7	17.4	15.8	14.7	14.1	13.7	14.5
22	13.2	13.3	12.3	13.3	14.5	14.5	14.7	15.5	14.1	15.4	14.2	12.7	11.9	10.9	13.3	17.7	23.2	23.8	23.2	21.6	19.5	17.4	15.9	14.8	15.9
23 Q	13.9	12.8	13.1	13.1	13.8	14.2	14.5	14.8	15.0	14.6	14.1	12.8	11.1	10.3	10.5	12.8	15.5	17.4	17.7	17.4	16.5	15.0	13.3	12.8	14.1
24	12.3	12.7	14.5	12.2	12.3	15.1	15.0	15.4	14.6	17.4	16.0	13.5	14.6	21.1	21.3	24.7	23.9	23.2	21.7	20.3	21.8	17.4	14.0	8.3	16.8
25	9.5	9.3	8.5	6.4	7.4	16.6	16.7	15.8	18.7	24.5	20.5	14.5	15.6	20.1	16.8	16.6	18.4	19.2	18.2	17.6	16.4	15.4	14.6	14.1	15.5
26	12.1	12.4	12.7	12.7	13.1	15.5	13.7	15.3	13.7	13.9	13.4	16.9	17.3	12.4	11.0	12.4	15.4	15.8	18.3	17.7	16.4	14.6	14.1	13.7	14.4
27	14.6	13.0	9.4	11.3	13.3	15.6	19.3	16.5	14.2	14.3	15.6	17.5	14.8	12.0	11.3	12.9	15.3	17.5	17.9	17.7	17.9	19.4	20.6	22.4	15.6
28	19.7	13.8	13.8	15.2	15.2	15.3	14.3	13.8	13.8	14.2	14.2	14.3	14.2	12.4	13.8	17.6	19.3	21.1	23.2	20.3	18.6	15.1	15.8	11.1	15.8
29 D	13.8	12.2	7.6	15.8	13.3	14.2	16.0	16.1	16.5	25.2	14.3	11.0	10.2	10.6	12.2	17.9	30.2	27.9	26.4	22.8	18.8	14.2	15.2	13.4	16.5
30 D	11.0	9.2	12.4	9.4	15.3	11.9	11.7	10.9	14.5	21.0	12.5	13.4	14.9	13.8	16.3	17.9	22.8	25.8	20.1	17.5	14.5	13.9	13.2	6.0	14.5
31	14.2	12.5	12.9	15.2	13.3	13.7	16.1	20.2	10.4	12.5	13.3	17.8	15.6	11.5	13.4	16.9	18.4	20.2	18.4	15.8	15.2	16.9	16.0	7.4	14.9
Mean	13.6	11.6	12.5	12.9	13.4	14.5	14.9	15.3	14.6	16.3	14.7	14.2	14.2	14.0	14.8	16.9	18.6	19.5	19.0	17.8	16.8	15.9	15.1	13.4	15.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 47. Agincourt. (Z) 56,000 γ + December, 1952.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	218	217	217	216	214	214	215	217	216	213	214	214	212	210	208	208	208	211	217	218	223	235	229	234	217
2 D	241	239	227	228	232	224	221	221	218	216	214	214	214	211	220	218	220	226	222	229	237	241	260	255	227
3	242	234	227	218	211	188	205	214	214	217	217	215	213	213	212	208	207	206	208	211	217	226	230	232	216
4 D	234	254	282	248	226	220	203	200	194	207	214	214	230	218	221	221	220	221	233	242	239	241	240	235	227
5	232	235	214	214	224	223	217	222	215	211	205	208	214	224	220	218	216	215	217	221	230	222	223	222	219
6	220	220	217	216	203	208	214	217	217	220	217	217	217	216	211	205	205	212	217	217	217	220	217	217	215
7	217	221	218	217	216	215	215	212	214	209	211	211	213	213	213	213	212	217	220	221	220	217	217	215	214
8	215	216	216	215	213	214	214	213	211	213	214	211	213	212	210	207	211	213	216	217	219	219	215	213	214
9 Q	213	214	214	214	214	213	213	213	212	213	211	211	212	212	212	207	210	215	217	216	214	213	211	210	213
10	211	210	210	212	210	216	216	216	216	213	212	212	211	207	207	207	211	215	219	222	225	226	222	221	215
11	219	216	213	213	212	198	204	211	212	207	206	205	210	207	204	200	206	211	216	219	216	213	213	213	210
12	213	215	212	212	213	210	205	201	199	188	197	202	202	202	199	202	202	209	214	215	215	213	213	210	207
13 D	213	222	222	211	180	164	143	117	58	16	30	120	166	192	205	207	205	209	215	217	215	216	215	213	174
14	214	216	215	217	218	215	216	216	216	215	215	215	216	216	215	214	216	219	222	223	220	220	217	217	217
15	217	221	220	219	225	225	221	217	216	204	196	206	211	211	207	205	206	210	212	209	211	210	210	210	213
16	210	210	210	209	207	210	212	213	213	210	207	207	207	204	202	200	206	211	216	216	217	222	225	227	212
17	231	228	226	219	216	205	204	204	210	216	215	214	215	213	213	212	213	213	213	207	212	213	213	220	215
18	219	222	222	223	219	216	212	212	210	210	210	209	209	207	207	202	203	205	207	216	215	213	210	210	212
19 Q	211	213	210	212	210	211	210	210	210	210	210	210	210	209	207	203	202	205	210	209	208	213	212	210	209
20 Q	206	208	205	205	206	207	207	207	207	205	206	204	205	207	207	204	204	205	207	207	208	209	207	207	206
21 Q	206	205	206	205	207	207	202	204	204	204	204	204	205	206	207	205	204	204	207	210	207	207	208	207	206
22	207	206	207	206	207	207	206	206	207	206	204	203	205	204	202	204	204	205	209	212	213	214	215	214	207
23 Q	214	213	210	210	210	209	210	212	210	208	207	207	207	207	204	201	202	205	213	211	210	207	206	205	208
24	202	204	206	205	204	205	205	205	204	200	177	180	193	193	199	204	211	216	216	221	226	222	235	234	207
25	231	232	214	204	187	204	208	208	202	173	175	202	202	204	199	197	204	210	217	219	215	213	213	213	206
26	213	215	212	210	209	192	186	202	207	210	207	203	201	204	204	201	203	210	213	216	214	211	210	207	207
27	207	208	212	211	209	207	196	196	202	206	204	205	210	210	210	202	207	211	213	210	213	216	331	338	218
28	261	234	227	219	216	216	216	216	215	215	213	210	214	211	206	208	209	213	216	220	222	225	228	240	220
29 D	242	237	216	203	214	216	219	213	203	179	191	202	210	212	207	202	216	231	235	240	249	242	239	242	219
30 D	246	230	223	216	207	211	225	222	207	181	181	194	210	211	210	209	217	228	225	222	228	228	225	227	216
31	222	210	212	213	218	220	210	187	211	216	207	207	210	207	204	212	219	222	222	226	225	222	223	229	215
Mean	221	220	217	214	212	209	208	207	204	200	200	204	208	209	208	206	209	213	216	218	219	220	223	224	212

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 48. Agincourt — December, 1952.

Day	Horizontal Force							Declination							Vertical Force						
	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	48	486	21	8	429	57	18	25	24.8	23	47	9.8	15.0	21	18	241	15	0	205	36
2 D	19	4	485	14	40	349	136	14	55	35.3	23	0	-0.8	36.1	22	45	282	14	2	203	79
3	18	47	485	4	52	423	62	5	17	20.2	3	2	6.6	13.6	0	5	243	5	32	178	65
4 D	0	37	469	1	18	369	99	18	22	26.3	1	15	-24.3	50.6	2	21	296	8	1	168	128
5	2	18	491	0	1	421	70	9	28	24.9	2	0	-3.4	28.3	0	8	245	11	5	197	48
6	4	25	489	16	19	436	53	4	36	23.9	13	24	9.4	14.5	20	52	221	4	40	193	28
7	23	10	473	16	51	450	23	17	25	20.3	13	23	11.2	9.1	1	22	222	9	10	208	14
8	21	0	476	14	50	454	22	17	35	18.6	13	30	11.2	7.4	21	5	220	14	26	207	13
9 D	21	0	483	15	59	458	25	17	37	17.2	14	32	12.2	5.0	18	22	221	15	38	206	15
10	9	55	478	17	10	446	32	16	44	23.0	10	50	12.5	10.5	21	10	229	15	25	204	25
11	21	0	476	5	57	435	41	17	45	19.0	5	50	6.2	12.8	19	2	220	5	58	187	33
12	6	58	482	13	0	446	36	13	20	26.4	9	18	10.5	15.9	21	3	215	9	24	177	38
13 D	20	25	479	9	48	268	211	10	8	65.5	3	45	-5.1	70.6	1	35	226	9	7	-91	317
14	22	48	479	17	45	435	44	17	51	17.6	1	48	13.0	4.6	21	44	227	3	26	210	17
15	22	34	482	9	23	437	45	16	1	18.7	10	45	4.0	14.7	4	22	225	10	33	183	42
16	20	16	474	16	20	443	31	17	3	21.9	4	21	8.5	13.4	23	50	227	15	0	196	31
17	21	0	484	7	4	423	61	7	1	22.6	5	5	10.0	12.6	1	32	231	6	57	197	34
18	22	56	484	3	56	446	38	18	55	20.9	3	40	6.5	14.4	3	13	226	16	2	201	25
19 Q	20	35	482	1	6	459	23	17	50	17.6	1	18	10.0	7.6	1	35	216	15	55	202	14
20 Q	20	30	485	16	29	454	31	17	25	19.2	2	49	11.8	7.4	20	35	210	16	5	202	8
21 Q	22	39	481	15	50	449	32	18	2	19.5	13	23	12.0	7.5	19	52	210	6	50	202	8
22	11	7	479	15	25	430	49	17	0	24.5	14	0	10.0	14.5	20	0	216	14	29	199	17
23 Q	23	5	490	16	37	443	47	18	38	18.3	13	48	9.7	8.6	19	10	214	14	50	200	14
24	11	22	495	14	48	420	75	15	12	28.8	2	55	1.4	27.4	23	0	243	10	23	171	72
25	11	52	475	3	51	404	71	9	35	29.6	4	2	-15.9	45.5	1	47	238	10	14	160	78
26	5	17	490	16	30	431	59	12	7	19.6	14	30	9.5	10.1	1	5	217	6	20	180	37
27	22	56	654	16	19	443	211	23	17	37.6	23	2	0.4	37.2	22	57	629	6	41	190	439
28	21	37	482	23	19	412	70	18	33	24.8	23	58	9.2	15.6	0	1	280	15	5	204	76
29 D	0	45	515	16	46	358	157	17	0	34.3	2	20	-2.7	37.0	20	38	272	9	26	172	100
30 D	3	0	490	16	43	386	104	17	18	29.3	23	32	-9.0	38.3	0	27	258	9	25	172	86
31	1	36	502	15	5	391	111	7	10	26.8	1	22	-0.4	27.2	21	17	232	7	20	181	51
Mean			490			421	69			25.0			4.6	20.4			247			183	64
No. days			31			31	31			31			31	31			31			31	31

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

HORIZONTAL FORCE (gammas) (All Days)

Table 49. Agincourt. 1952.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+4	+1	0	-2	0	0	+1	-1	+1	+5	+8	+7	+8	+4	-10	-14	-23	-20	-9	0	+6	+7	+8	+7
February	+5	+6	+4	+9	+5	-2	0	-9	-8	-5	-1	+1	+3	+1	-4	-13	-15	-9	-1	+2	+7	+9	+9	+5
March	+9	+5	+3	-1	-3	-9	-5	-2	-12	-9	-4	+3	0	-7	-11	-20	-15	-8	+2	+13	+20	+24	+21	+14
April	+9	+2	+4	-1	-1	-4	-16	-14	-11	-15	-4	-3	-3	-16	-20	-23	-17	-7	+6	+22	+32	+32	+29	+19
May	+11	-2	-12	-4	-1	-2	-9	-19	-14	-15	-7	-7	-13	-19	-23	-26	-16	0	+16	+26	+33	+36	+39	+33
June	+10	+8	+6	-5	-7	-10	-13	-13	-17	-12	-8	-8	-10	-17	-20	-20	-14	-3	+10	+20	+29	+30	+23	+20
July	+6	+3	+1	+1	-1	0	0	-2	-2	-3	-7	-5	-9	-18	-21	-22	-17	-3	+10	+18	+24	+24	+16	+9
August	+5	+2	+1	+1	-1	+1	+3	+3	+1	+3	+3	0	-6	-18	-30	-23	-24	-9	+5	+15	+21	+21	+14	+9
September	+8	+6	+5	-2	+1	-8	-8	-10	-10	-5	+1	+3	-7	-15	-21	-24	-16	-3	+9	+17	+22	+19	+18	+14
October	+5	0	0	-1	+1	-1	-13	-1	+4	+7	+11	+9	+4	-5	-14	-22	-16	-7	+3	+11	+10	+9	+8	+6
November	+2	0	+2	+2	+1	+1	0	-2	-3	+1	+4	+6	0	-6	-10	-12	-10	-4	+2	+5	+7	+7	+5	+5
December	0	-3	0	-1	-2	-2	-2	-2	-3	-3	+3	+5	+5	+1	-6	-9	-11	-8	-1	+3	+6	+8	+7	+4
Year	+6.2	+2.3	+1.2	+0.5	-0.7	-3.0	-5.2	-6.0	-6.3	-4.2	-0.1	+0.8	-2.3	-9.6	-15.8	-19.8	-16.2	-6.8	+4.3	+12.7	+18.1	+18.8	+16.4	+12.1
Winter	+2.8	+1.0	+1.5	+2.0	+1.0	-0.8	-0.2	-3.5	-3.2	-0.5	+3.5	+4.5	+4.0	0.0	-7.5	-12.0	-14.8	-10.2	-2.2	+2.5	+6.5	+7.8	+7.2	+5.2
Equinox	+7.8	+3.2	+3.0	-1.2	-0.5	-5.5	-10.5	-6.8	-7.2	-5.5	+1.0	+3.0	-1.5	-10.8	-16.5	-22.2	-16.0	-6.2	+5.0	+15.8	+21.0	+21.0	+19.0	+13.2
Summer	+6.0	+2.8	-1.0	+0.8	-2.5	-2.8	-4.8	-7.8	-8.0	-6.8	-4.8	-5.0	-9.5	-18.0	-23.5	-25.2	-17.8	-3.8	+10.2	+19.8	+26.8	+27.8	+23.0	+17.8

DECLINATION (minutes) (All Days)

Table 50. Agincourt. 1952.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+2.3	+3.1	+3.1	+3.8	+3.3	+1.5	+1.0	-0.5	-0.2	+0.9	+1.1	+0.3	+0.6	+1.5	+0.7	-0.5	-2.3	-4.3	-4.8	-4.3	-3.6	-1.9	-0.6	+0.5
February	+1.8	+3.0	+3.7	+3.4	+2.1	-0.3	-0.1	-0.7	+0.3	+0.2	+0.9	+0.7	+0.6	+1.9	+1.9	-0.1	-2.3	-3.9	-4.1	-3.8	-3.1	-1.9	+0.2	+0.7
March	+3.3	+3.7	+4.8	+3.8	+2.6	+1.3	+0.9	+0.5	-0.6	+1.3	+0.2	+1.7	+3.1	+3.3	+1.3	-2.3	-5.0	-5.9	-6.4	-5.7	-4.9	-2.5	-0.2	+2.5
April	+3.3	+3.8	+3.5	+2.5	+3.2	+0.3	-1.5	-2.4	+1.6	+1.6	+1.5	+4.1	+5.3	+4.2	+1.5	-2.1	-5.1	-6.8	-7.7	-6.5	-3.5	-2.7	-0.7	+2.6
May	+2.3	+3.6	+2.6	+1.3	+0.6	-1.0	-0.5	-0.7	-1.0	-0.5	+3.9	+5.7	+5.2	+4.2	+1.6	-1.8	-4.4	-6.4	-6.0	-4.6	-3.3	-2.1	+0.2	+1.9
June	+0.7	+0.6	+1.5	+2.3	+2.4	+0.7	-0.3	+0.5	-1.7	+1.2	+3.6	+4.9	+5.6	+4.8	+2.7	-0.8	-3.3	-5.3	-5.5	-5.6	-4.6	-3.4	-1.8	-0.1
July	-0.1	+0.2	+1.2	+1.5	+1.5	+2.0	+1.2	-1.4	-0.1	+1.1	+2.8	+4.3	+6.3	+5.5	+3.5	+0.4	-2.4	-4.3	-5.8	-5.9	-4.7	-3.6	-2.1	-0.8
August	+0.8	+2.4	+2.5	+2.0	+1.7	+0.8	+0.6	+0.7	+0.4	+1.8	+4.3	+5.9	+7.2	+6.8	+3.7	-1.3	-5.9	-8.3	-8.4	-7.0	-4.8	-3.2	-1.4	-0.2
September	+2.3	+2.4	+2.5	+2.3	+1.5	-1.2	-0.9	+0.2	+0.1	+1.0	+1.6	+4.3	+5.7	+4.1	+1.7	-2.6	-5.6	-6.5	-6.5	-4.8	-2.6	-0.7	+0.3	+2.3
October	+2.2	+2.4	+4.0	+1.7	+1.6	+1.6	+0.6	+0.1	+1.2	+0.5	+1.9	+1.6	+1.6	+2.2	+1.7	-1.5	-4.2	-5.6	-5.4	-4.0	-3.1	-1.7	+0.4	+1.3
November	+2.1	+2.1	+2.1	+1.2	+0.7	+0.3	-0.1	-0.4	+0.6	+1.7	+2.4	+1.6	+1.5	+1.1	+0.5	-1.8	-3.7	-4.4	-3.9	-2.8	-1.4	-0.6	+0.4	+1.5
December	+1.6	+3.6	+2.7	+2.3	+1.8	+0.7	+0.3	-0.1	+0.6	-1.1	+0.5	+1.0	+1.0	+1.2	+0.4	-1.7	-3.4	-4.3	-3.8	-2.6	-1.6	-0.7	+0.1	+1.8
Year	+1.9	+2.6	+2.8	+2.3	+1.9	+0.6	+0.1	-0.4	+0.1	+0.8	+2.1	+3.0	+3.6	+3.4	+1.8	-1.3	-4.0	-5.5	-5.7	-4.8	-3.4	-2.1	-0.4	+1.2
Winter	+2.0	+3.0	+2.9	+2.7	+2.0	+0.6	+0.3	-0.4	+0.3	+0.4	+1.2	+0.9	+0.9	+1.4	+0.9	-1.0	-2.9	-4.2	-4.2	-3.4	-2.4	-1.3	0.0	+1.1
Equinox	+2.8	+3.1	+3.7	+2.6	+2.2	+0.5	-0.2	-0.4	+0.6	+1.1	+1.3	+2.9	+3.9	+3.4	+1.6	-2.1	-5.0	-6.2	-6.5	-5.2	-3.5	-1.9	0.0	+2.2
Summer	+0.9	+1.7	+2.0	+1.8	+1.6	+0.6	+0.2	-0.2	-0.6	+0.9	+3.6	+5.2	+6.0	+5.3	+2.9	-0.9	-4.0	-6.1	-6.4	-5.8	-4.4	-3.1	-1.3	+0.2

VERTICAL FORCE (gammas) (All Days)

Table 51. Agincourt. 1952.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+12	+10	+8	+5	-1	-7	-9	-12	-15	-12	-11	-10	-6	-6	-7	-7	-4	+2	+8	+10	+12	+13	+12	+12
February	+20	+14	+17	+10	0	-13	-15	-23	-21	-19	-19	-15	-9	-6	-8	-6	-1	+4	+7	+12	+15	+18	+21	+18
March	+27	+8	+2	-1	-22	-26	-24	-20	-30	-27	-27	-14	-9	-5	-7	-6	-1	+6	+11	+19	+26	+33	+37	+41
April	+28	+18	+1	-11	-28	-30	-44	-44	-33	-28	-17	-9	-4	-4	-2	-3	+3	+12	+21	+30	+41	+37	+42	+35
May	+25	+16	+3	-8	-17	-26	-26	-36	-36	-33	-19	-11	-13	-9	-7	-1	+3	+7	+16	+26	+34	+40	+43	+36
June	+20	+15	+13	+1	-11	-20	-25	-27	-20	-18	-8	-3	-5	-5	-3	-3	-3	-2	+2	+10	+18	+22	+25	+26
July	+16	+12	+8	-1	-11	-13	-18	-24	-16	-11	-5	-3	-3	-3	-3	-4	-3	+2	+6	+9	+15	+18	+19	+18
August	+15	+9	+6	-2	-12	-19	-14	-15	-14	-8	-4	-5	-5	-5	-5	-4	-3	+1	+5	+10	+15	+17	+18	+18
September	+23	+21	+8	0	-12	-24	-33	-32	-31	-26	-17	-10	-5	-3	0	+1	+4	+6	+10	+16	+22	+25	+27	+31
October	+18	+14	+5	-2	-10	-14	-26	-21	-17	-12	-7	-4	-5	-3	-3	-4	-2	+3	+7	+11	+13	+15	+19	+19
November	+6	+6	+3	+2	+1	-1	-5	-7	-10	-8	-6	-4	-4	-3	-5	-6	-3	+1	+4	+6	+7	+8	+9	+9
December	+9	+8	+5	+2	0	-3	-4	-5	-8	-12	-12	-8	-4	-3	-4	-6	-3	+1	+4	+6	+7	+8	+11	+12
Year	+18.2	+12.6	+6.6	-0.4	-10.2	-16.3	-20.2	-22.2	-20.9	-17.8	-12.7	-8.0	-6.0	-4.6	-4.5	-4.1	-1.1	+3.6	+8.4	+13.8	+18.8	+21.2	+23.6	+22.9
Winter	+11.8	+9.5	+8.2	+4.8	0.0	-6.0	-8.2	-11.8	-13.5	-12.8	-12.0	-9.2	-5.8	-4.5	-6.0	-6.2	-2.8	+2.0	+5.8	+8.5	+10.2	+11.7	+13.2	+12.8
Equinox	+24.0	+15.2	+4.0	-3.5	-18.0	-23.5	-31.8	-29.2	-27.8	-23.2	-17.0	-9.2	-5.8	-3.8	-3.0	-3.0	+1.0	+6.8	+12.2	+19.0	+25.5	+27.5	+31.2	+31.5
Summer	+19.0	+13.0	+7.5	-2.5	-12.8	-19.5	-20.8	-25.5	-21.5	-17.5	-9.0	-5.5	-6.5	-5.5	-4.5	-3.0	-1.5	+2.0	+7.2	+13.8	+20.5	+24.2	+26.2	+24.5

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

HORIZONTAL FORCE (gammas) (Quiet Days)

Table 52. Agincourt. 1952.

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	+4	+2	+3	+3	+2	+2	+3	+3	+3	+5	+5	+5	+1	-7	-18	-22	-20	-9	-2	+5	+9	+7	+9
February	+3	+2	+1	+1	0	+2	0	+2	+2	+4	+6	+7	+7	+4	+1	-7	-13	-11	-8	-8	-5	+2	+5	+4
March	+8	+7	+7	+3	+6	+5	+4	+6	+6	+5	+5	+2	-3	-11	-18	-25	-22	-16	-7	+1	+6	+9	+13	+10
April	+3	+6	+8	+5	+7	+4	+4	+5	+1	+4	+4	-1	-5	-15	-23	-27	-19	-9	+3	+9	+11	+9	+8	+6
May	+6	+4	+4	+2	+3	+4	+1	0	0	-2	-3	-3	-8	-14	-19	-21	-13	-2	+8	+13	+13	+12	+8	+8
June	+4	+3	+2	+2	+2	+2	+2	+1	-2	-4	-3	-4	-7	-15	-20	-21	-14	-3	+9	+12	+14	+18	+14	+6
July	+7	+7	+4	+2	+1	+1	+2	+3	0	-1	-1	-1	-3	-9	-18	-22	-20	-9	+1	+9	+11	+12	+15	+9
August	+7	+2	+3	0	-1	-2	-1	+2	+2	+4	+4	-1	-9	-21	-29	-27	-15	+1	+13	+19	+22	+15	+8	+5
September	+6	+6	+5	+6	+4	+3	+6	+5	+5	+3	+3	-1	-8	-18	-27	-26	-19	-8	+5	+11	+12	+11	+8	+8
October	+9	+9	+6	+2	+2	+3	+4	+5	+6	+7	+6	+4	-1	-11	-22	-29	-25	-16	-5	+4	+10	+10	+11	+11
November	+5	+2	+4	+5	+4	+2	+1	+3	+4	+4	+4	+3	-2	-10	-15	-18	-16	-12	-1	+6	+9	+7	+7	+6
December	+3	+1	+2	+1	+1	0	0	0	+1	+1	+2	+2	+1	-2	-6	-12	-15	-11	-3	+3	+8	+7	+8	+8
Year	+5.5	+4.4	+4.0	+2.7	+2.7	+2.2	+2.1	+2.9	+2.3	+2.3	+2.7	+1.0	-2.8	-10.0	-16.9	-21.1	-17.8	-9.7	+0.5	+6.4	+9.7	+10.0	+9.3	+7.5
Winter	+4.0	+2.2	+2.2	+2.5	+2.0	+1.5	+0.8	+2.0	+2.5	+3.0	+4.2	+4.2	+2.8	-1.8	-6.8	-13.8	-16.5	-13.5	-5.2	-0.2	+4.2	+6.2	+6.8	+6.8
Equinox	+6.5	+7.0	+6.5	+4.0	+4.8	+3.8	+4.5	+5.2	+4.5	+4.8	+5.5	+1.0	-4.2	-13.8	-22.5	-26.8	-21.2	-12.2	-1.0	+6.2	+9.8	+9.8	+10.0	+8.8
Summer	+6.0	+4.0	+3.2	+1.5	+1.2	+1.2	+1.0	+1.5	0.0	-0.8	-0.8	-2.2	-6.8	-14.8	-21.5	-22.8	-15.5	-3.2	+7.8	+13.2	+15.0	+14.2	+11.2	+7.0

DECLINATION (minutes) (Quiet Days)

Table 53. Agincourt. 1952.

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	+0.2	+0.9	+1.1	+1.4	+0.9	+0.3	+0.2	+0.0	+0.7	+1.0	+1.4	+1.2	+1.6	+3.7	+4.5	+2.8	-0.9	-3.6	-5.1	-4.7	-3.5	-2.2	-1.1	-0.8
February	+0.1	+0.7	+1.0	+1.3	+0.7	-0.2	-0.3	-0.5	-0.4	-0.9	+0.2	+1.1	+1.4	+2.2	+3.4	+2.4	+0.8	-1.0	-2.4	-2.9	-3.0	-2.4	-1.1	-0.3
March	-0.3	-0.3	-0.3	+1.1	+1.1	+0.6	0.0	+0.7	+1.7	+1.7	+1.3	+2.4	+4.1	+5.6	+4.0	0.0	-2.8	-4.3	-4.9	-4.5	-3.7	-2.3	-1.1	-0.1
April	-0.4	+2.1	+0.9	+1.0	-0.2	-0.6	0.0	+1.7	+2.0	+2.7	+4.1	+5.0	+5.8	+6.2	+3.9	-0.5	-4.1	-6.0	-6.7	-6.7	-5.0	-3.3	-1.4	-0.5
May	+0.4	+0.8	+0.4	+0.6	+0.6	0.0	+0.4	+1.2	+2.0	+2.9	+4.1	+5.1	+5.7	+4.6	+2.0	-1.2	-4.6	-6.8	-7.0	-5.3	-3.5	-1.8	-0.4	0.0
June	-0.1	-0.3	-0.6	+0.2	+0.2	+0.4	-0.2	+0.1	+1.4	+2.8	+4.7	+5.8	+6.2	+6.0	+3.8	+0.1	-3.7	-6.6	-6.7	-5.9	-4.2	-2.4	-0.8	-0.4
July	-2.0	-1.4	-0.8	+0.1	+1.3	+1.0	+0.8	+1.1	+1.5	+0.9	+3.5	+5.4	+6.7	+6.7	+5.2	+1.8	-1.3	-3.6	-5.4	-6.0	-5.7	-4.5	-2.8	-2.3
August	0.0	0.0	0.0	0.0	+0.8	+1.4	+0.7	+1.3	+2.0	+2.6	+4.0	+5.1	+6.1	+5.7	+3.0	-1.8	-5.6	-7.4	-7.4	-5.7	-3.2	-1.4	-0.2	-0.1
September	-1.1	-0.8	-0.3	-0.2	-0.2	+0.2	-0.2	+1.8	+2.6	+2.3	+2.4	+3.8	+5.1	+4.5	+1.8	1.7	-4.2	-5.4	-5.0	-3.0	-1.1	+0.1	-0.4	-0.9
October	+0.4	+1.5	+0.7	+0.3	+0.2	+0.2	+0.2	+0.6	+1.1	+1.5	+1.6	+2.5	+3.3	+4.7	+4.2	+0.2	-3.3	-5.7	-5.3	-4.2	-2.7	-1.3	-0.6	0.0
November	+0.9	+1.1	+0.8	+0.2	+0.2	+0.2	+0.1	0.0	+0.9	+1.1	+1.6	+1.7	+2.4	+2.6	+1.6	-0.6	-3.2	-4.5	-4.0	-2.1	-0.5	-0.2	-0.2	+0.3
December	+1.0	+1.6	+1.1	+0.8	+0.4	0.0	-0.5	-0.2	+0.2	+0.8	+0.6	+1.1	+1.3	+1.9	+1.7	+0.2	-1.9	-3.5	-3.2	-2.2	-1.3	-0.8	+0.2	+0.6
Year	-0.1	-0.5	+0.3	+0.6	+0.5	+0.3	+0.1	+0.6	+1.3	+1.6	+2.5	+3.4	+4.1	+4.5	+3.3	+0.1	-2.9	-4.9	-5.3	-4.4	-3.1	-1.9	-0.8	-0.4
Winter	+0.6	+1.1	+1.0	+0.9	+0.6	+0.1	0.1	-0.2	+0.4	+0.5	+1.0	+1.3	+1.7	+2.6	+2.8	+1.2	-1.0	-3.2	-3.7	-3.0	-2.1	-1.4	-0.6	0.0
Equinox	-0.4	+0.6	+0.2	+0.6	+0.2	+0.1	0.0	+1.2	+1.8	+2.0	+2.4	+3.4	+4.6	+5.2	+3.5	-0.5	-3.6	-5.4	-5.5	-4.6	-3.1	-1.7	-0.9	-0.4
Summer	-0.4	-0.2	-0.2	+0.2	+0.7	+0.7	+0.4	+0.9	+1.7	+2.3	+4.1	+5.4	+6.2	+5.8	+3.5	-0.3	-3.8	-6.1	-6.6	-5.7	-4.2	-2.5	-1.0	-0.7

VERTICAL FORCE (gammas) (Quiet Days)

Table 54. Agincourt. 1952.

Month / Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+2	+2	+2	+2	0	0	-1	-1	-2	-2	-2	-2	-2	-1	-3	-7	-5	-2	+2	+4	+5	+4	+4	+3
February	+2	+2	+2	0	-1	-2	+1	+2	+2	0	-1	-1	-1	-1	-4	-8	-7	-3	-1	+1	+4	+6	+6	+4
March	+4	+3	+2	+1	0	0	0	-1	-1	+1	-1	-1	0	-3	-6	-10	-7	-3	0	+1	+4	+6	+5	+6
April	+9	+5	+1	0	-5	-9	-7	-7	-3	-3	0	-2	-4	-5	-7	-8	-8	-3	+1	+5	+10	+12	+12	+13
May	+5	+4	+2	+2	-1	-3	-2	-2	-1	+1	+2	0	-1	-2	-4	-6	-4	-4	-5	-1	+3	+6	+6	+6
June	+8	+7	+4	+2	+2	-1	-7	-8	-5	-1	+2	+3	0	-3	-4	-9	-7	-7	-6	0	+6	+7	+9	+8
July	+2	+2	+3	+2	+1	0	-1	-3	-2	-3	-1	+1	0	0	+1	-3	-6	-6	-3	-1	+3	+4	+6	+4
August	+2	+1	+1	-2	-6	-6	-4	-1	-1	-1	0	0	-2	-3	-3	-5	-4	0	+4	+7	+8	+6	+6	+4
September	+2	0	+1	-1	0	-1	-3	-2	-1	-2	-1	-1	-2	-4	-3	-4	0	0	+2	+5	+8	+6	+2	+2
October	+1	-1	0	-1	-1	-2	-1	-1	-1	-1	0	0	+2	0	-2	-5	-6	-1	+2	+3	+3	+4	+3	+2
November	+1	+2	+1	0	0	+1	+1	-1	-1	0	0	0	-1	-1	-5	-6	-4	-1	+2	+4	+3	+3	+3	+2
December	0	+1	-1	-1	0	0	-1	0	0	-1	-1	-1	-1	0	-1	-4	-4	-1	+3	+3	+2	+3	+2	+1
Year	+3.2	+2.3	+1.5	+0.3	-0.9	-1.9	-2.1	-2.1	-1.3	-1.0	-0.2	-0.3	-1.0	-1.9	-3.4	-6.2	-5.1	-2.6	+0.1	+2.6	+4.8	+5.4	+5.2	+4.7
Winter	+1.2	+1.8	+1.0	+0.2	-0.2	-0.2	0.0	0.0	-0.2	-0.8	-1.0	-1.0	-1.2	-0.8	-3.2	-6.2	-5.0	-1.8	+1.5	+3.0	+3.5	+3.8	+3.5	+2.5
Equinox	+4.0	+1.8	+1.0	-0.2	-1.5	-3.0	-2.8	-2.8	-1.5	-1.2	-0.5	-1.0	-1.0	-3.0	-4.5	-6.8	-5.0	-1.8	+1.2	+3.5	+5.8	+6.8	+5.5	+5.8
Summer	+4.2	+3.5	+2.5	+1.0	-1.0	-2.5	-3.5	-3.5	-2.2	-1.0	-0.8	+1.0	-0.8	-2.0	-2.5	-5.8	-5.2	-4.2	-2.5	+1.2	+5.0	+5.8	+6.8	+5.8

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

HORIZONTAL FORCE (gammas) (Disturbed Days)

Table 55. Agincourt. 1952.

Month Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+6	+5	+3	-9	0	+2	+9	-2	-5	+4	+16	+13	+7	+4	-16	-8	-27	-26	-11	+2	+9	+5	+5	+15
February	+15	+39	+24	+32	+15	-6	-19	-63	-40	-36	-28	-8	-5	+5	+5	-8	-14	-4	+14	+15	+18	+19	+16	+12
March	+25	+6	-22	-30	-46	-52	-27	-10	-56	-57	-32	+4	+11	+11	+4	-7	+2	+14	+33	+41	+48	+57	+57	+26
April	+19	+4	+10	+3	-4	-15	-44	-43	-28	-71	-19	-3	0	-36	-26	-29	-32	-15	+13	+56	+76	+69	+72	+41
May	+28	-3	-64	-23	-16	-23	-54	-80	-45	-50	-18	-18	-17	-24	-29	-30	-18	+8	+36	+67	+86	+103	+104	+79
June	+35	+34	+29	+30	-32	-54	-64	-68	-97	-51	-20	-6	-9	-14	-14	-13	-1	+9	+26	+42	+64	+71	+53	+50
July	+10	+6	+3	-3	-2	-3	-7	-21	-12	-10	-12	-9	-13	-29	-27	-35	-30	+1	+24	+39	+49	+42	+26	+13
August	+7	+14	+9	+5	-6	-14	-7	-3	-8	+3	+5	+3	0	-16	-29	-28	-22	-9	+10	+16	+22	+23	+13	+12
September	+11	+7	+2	-17	-1	-18	-32	-32	-28	-18	-9	+1	-14	-9	-10	-25	-16	+4	+18	+33	+36	+30	+42	+44
October	+12	-4	+5	+4	0	-2	-86	-26	0	+16	+24	+16	+11	+7	-11	-34	-22	+5	+17	+27	+17	+16	+5	+5
November	0	+1	+4	+4	0	0	-4	-11	-16	-3	+4	+4	+1	-3	-1	-5	-8	+1	+6	+5	+7	+7	+7	+1
December	+2	-7	+10	+15	+7	-1	-2	+1	-10	-19	-4	+4	+9	+4	-16	-10	-16	-7	0	+8	+8	+11	+6	+5
Year	+14.3	+8.5	+1.1	+0.9	-7.1	-15.5	-28.1	-29.8	-28.8	-24.3	-7.8	+0.1	-1.6	-8.3	-14.2	-19.3	-17.0	-1.6	+15.5	+29.2	+36.7	+37.8	+33.8	+25.2
Winter	+6.2	+9.5	+10.2	+10.5	+5.5	-1.2	-4.0	-18.8	-17.8	-13.5	-3.0	+3.2	+3.0	+2.5	-7.0	-7.8	-16.2	-9.0	+2.2	+7.5	+10.5	+10.5	+8.5	+8.2
Equinox	+16.8	+3.2	-1.2	-10.0	-12.8	-21.8	-47.2	-27.8	-28.0	-32.5	-9.0	+4.5	+2.0	-6.8	-10.8	-23.8	-17.0	+2.0	+20.2	+39.2	+44.2	+43.0	+44.0	+29.0
Summer	+20.0	+12.8	-5.8	+2.2	-14.0	-23.5	-33.0	-43.0	-40.5	-27.0	-11.2	-7.5	-9.8	-20.8	-24.8	-26.5	-17.8	+2.2	+24.0	+41.0	+55.2	+59.8	+49.0	+38.5

DECLINATION (minutes) (Disturbed Days)

Table 56. Agincourt. 1952.

Month Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+2.9	+5.2	+3.6	+6.3	+5.5	+1.7	+1.9	-1.3	-1.6	+1.6	+0.6	-1.2	-1.8	-1.5	-2.0	-3.3	-3.7	-5.1	-4.4	-3.1	-4.5	+0.2	+1.3	+2.6
February	+1.8	+7.1	+5.2	+6.3	+4.3	-0.3	+3.2	-0.3	+1.7	+3.2	+1.2	+3.1	-1.1	-1.7	-0.8	-0.8	-4.6	-6.8	-5.2	-4.4	-4.0	-3.8	-3.0	-0.4
March	+4.0	+10.3	+17.7	+10.7	+2.2	+4.0	+3.2	+1.5	-7.1	+1.3	-8.1	-0.8	+0.7	+1.5	-1.6	-7.2	-7.4	-8.6	-7.9	-7.4	-5.0	-4.8	+0.7	+7.9
April	+6.1	+6.2	+4.7	+2.8	+3.8	+2.3	+2.4	-8.3	+2.8	-4.7	-1.8	+6.6	+7.2	+3.8	+2.4	-3.8	-7.1	-9.4	-11.0	-8.6	-1.7	-3.0	-1.2	+9.6
May	+7.8	+9.2	+5.4	+0.3	+0.9	-4.4	-4.9	-5.4	-4.8	-4.9	+5.0	+3.1	+1.7	+2.3	-1.3	-4.4	-4.8	-5.7	-4.2	-1.5	-1.0	+0.2	+4.4	+6.9
June	+2.2	+2.6	+4.7	+8.2	+6.4	-0.5	-1.6	+3.0	-12.5	-2.6	+3.1	+4.6	+4.2	+2.3	+2.2	-1.7	-2.5	-5.3	-4.8	-5.2	-4.0	-2.2	-1.4	+0.9
July	+0.1	+2.0	+2.7	+2.7	+2.7	+2.9	+3.5	-9.8	-1.7	0.0	+3.8	+5.0	+8.1	+5.0	+3.0	-1.6	-3.8	-4.1	-5.3	-5.8	-3.8	-3.9	-1.4	-0.4
August	+1.1	+2.1	+0.6	+1.9	+5.4	+2.0	+1.5	+1.6	+0.7	+2.6	+6.0	+7.1	+7.0	+5.3	+1.8	-3.3	-6.5	-9.4	-8.8	-7.3	-5.3	-3.9	-1.6	-0.9
September	+11.4	+11.7	+10.7	+7.5	+1.7	-3.7	-1.5	-2.8	-4.8	-5.7	-8.3	+0.6	+2.7	-0.4	+1.1	-4.4	-6.2	-6.8	-7.3	-4.8	-1.4	-0.6	+1.0	+10.3
October	+7.3	+7.3	+13.4	+6.1	+6.2	+6.3	+2.5	-4.6	+1.1	-1.0	-0.3	-4.7	-9.6	-4.0	-3.8	-7.2	-9.4	-7.7	-5.4	-1.4	-2.1	-2.1	+5.7	+7.4
November	+6.2	+3.0	+2.6	+1.7	+2.2	+1.8	+2.9	-1.0	+0.3	+3.3	+3.0	-2.5	-2.9	-4.4	-1.8	-3.2	-5.1	-5.5	-3.9	-2.8	-1.4	-1.0	+2.4	+6.1
December	+4.5	+11.9	+6.7	+4.0	+4.4	+2.8	+2.1	+0.1	+0.4	-9.0	-3.0	+0.1	-0.1	+0.2	-2.5	-4.8	-6.6	-6.7	-5.7	-4.2	-1.2	-0.1	+1.2	+5.6
Year	+4.6	+6.6	+6.5	+4.9	+3.8	+1.2	+1.3	2.3	-2.1	-1.3	+0.1	+1.8	+1.3	+0.7	-0.3	-3.8	-5.6	-6.8	-6.2	-4.7	-3.0	-2.1	+0.7	+4.6
Winter	+3.8	+6.8	+4.5	+4.6	+4.1	+1.5	+2.5	-0.6	+0.2	-0.2	+0.4	-0.1	-1.5	-1.8	-1.8	-3.0	-5.0	-6.0	-4.8	-3.6	-2.8	-1.2	+0.5	+3.5
Equinox	+7.2	+8.9	+11.6	+6.8	+3.5	+2.2	+1.6	-3.6	-2.0	-2.5	-4.6	+0.4	+0.2	+0.2	-0.5	-5.6	-7.5	-8.1	-7.9	-5.6	-2.6	-2.6	+1.6	+8.8
Summer	+2.8	+4.0	+3.4	+3.3	+3.8	0.0	-0.4	-2.6	-4.6	-1.2	+4.5	+5.0	+5.2	+3.7	+1.4	-2.8	-4.4	-6.1	-5.8	-5.0	-3.5	-2.4	0.0	+1.6

VERTICAL FORCE (gammas) (Disturbed Days)

Table 57. Agincourt. 1952.

Month Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+22	+21	+20	+15	+6	-16	-25	-29	-41	-42	-37	-36	-19	-15	-11	-5	-1	+9	+24	+29	+38	+39	+28	+25
February	+33	+45	+42	+41	+12	-25	-32	-65	-59	-46	-55	-29	-15	-11	-13	-6	+2	+11	+15	+22	+26	+31	+44	+29
March	+74	-29	-20	-31	-107	-96	-58	-28	-69	-79	-78	-35	-12	+5	+9	+15	+29	+44	+40	+58	+78	+78	+104	+106
April	+60	+39	-4	-18	-61	-74	-89	-98	-71	-92	-67	-26	-10	-10	-5	-7	+10	+31	+52	+74	+112	+86	+106	+62
May	+36	-2	-30	-75	-54	-73	-80	-109	-95	-89	-53	-28	-22	-7	+5	+14	+27	+45	+69	+97	+116	+128	+103	+77
June	+46	+31	+31	+13	-40	-81	-75	-95	-72	-75	-34	-1	-7	-3	+9	+16	+20	+25	+33	+42	+49	+52	+60	+58
July	+38	+22	+16	+1	-26	-33	-52	-97	-55	-44	-26	-16	-8	-9	-7	-2	+7	+28	+45	+39	+50	+47	+43	+38
August	+25	+11	+12	-8	-24	-48	-26	-27	-34	-20	-14	-14	-9	-9	-3	+2	+4	+10	+17	+26	+35	+32	+34	+28
September	+33	+38	+5	-12	-42	-70	-97	-95	-85	-81	-58	-40	-6	+4	+18	+21	+33	+40	+42	+48	+65	+69	+78	+95
October	+59	+33	-7	-20	-39	-49	-118	-102	-73	-34	-20	-19	-23	-6	+5	+13	+28	+36	+42	+55	+51	+52	+74	+61
November	+19	+15	+8	+4	-7	-2	-19	-28	-46	-38	-20	-16	-12	-6	-6	-2	+2	+8	+11	+14	+20	+21	+29	+36
December	+22	+23	+21	+8	-1	-6	-11	-18	-37	-53	-46	-24	-6	-4	0	-1	+3	+11	+13	+18	+21	+21	+24	+22
Year	+38.9	+20.6	+7.8	-6.8	-31.9	-47.8	-56.8	-65.9	-61.4	-57.8	-42.3	-23.7	-12.4	-5.9	+0.1	+4.8	+13.7	+24.8	+33.6	+43.5	+55.1	+54.7	+60.6	+53.1
Winter	+24.0	+26.0	+22.8	+17.0	+2.5	-12.2	-21.8	-35.0	-45.8	-44.8	-39.5	-26.2	-13.0	-9.0	-7.5	-3.5	+1.5	+9.8	+15.8	+20.8	+26.2	+28.0	+31.2	+28.0
Equinox	+56.5	+20.2	-6.5	-20.2	-62.2	-72.2	-90.5	-80.8	-74.5	-71.5	-55.8	-30.0	-12.8	-1.8	+6.8	+10.5	+25.0	+37.8	+44.0	+58.8	+76.5	+71.2	+90.5	+81.0
Summer	+36.2	+15.5	+7.2	-17.2	-36.0	-58.8	-58.2	-82.0	-64.0	-57.0	-31.8	-14.8	-11.5	-7.0	+1.0	+7.5	+14.5	+27.0	+41.0	+51.0	+62.5	+64.8	+60.0	+50.2

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 1. Agincourt. (H) 15,000 γ + January, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	461	465	456	454	456	462	461	458	450	448	461	461	454	453	455	447	458	458	456	446	454	456	454	449	455
2	461	464	461	456	461	464	461	459	460	463	458	465	457	454	438	420	439	433	423	443	459	461	458	464	453
3	453	461	458	473	467	458	456	459	459	462	463	462	461	451	440	433	441	446	440	453	463	464	461	464	456
4 Q	465	458	465	466	463	463	464	465	465	468	467	465	462	455	447	443	450	456	468	472	472	476	474	475	463
5 D	476	476	472	472	467	470	455	435	288	285	316	372	441	448	429	425	426	407	426	441	447	447	417	418	423
6	441	444	436	436	436	437	439	443	441	444	450	447	449	435	423	395	440	459	448	449	442	451	455	454	441
7	447	452	451	445	441	445	444	447	457	459	457	459	452	455	455	447	450	462	465	465	460	463	463	465	454
8	465	460	481	463	460	453	452	455	463	464	463	463	460	453	443	440	450	465	463	468	466	472	469	456	460
9	448	455	458	461	460	461	465	469	471	471	471	472	477	469	457	448	454	466	478	484	479	478	478	473	467
10 Q	473	474	484	473	471	469	466	469	473	474	474	473	473	467	455	452	465	476	484	490	487	478	474	482	473
11	470	466	477	473	464	462	469	471	468	466	466	466	471	470	466	456	453	458	470	476	477	478	481	475	469
12	476	470	460	463	462	460	456	455	463	466	469	464	465	458	454	455	463	471	472	476	470	471	471	469	465
13	470	470	468	466	461	462	463	464	465	460	458	464	478	484	477	459	452	462	473	485	464	467	472	462	467
14	462	452	446	457	458	455	464	467	464	468	469	468	467	459	448	441	446	456	459	472	479	477	470	472	461
15 Q	471	472	472	468	469	470	468	472	470	472	475	473	467	454	446	442	445	454	457	468	474	479	472	473	466
16 Q	474	474	477	472	471	470	472	472	474	476	478	478	476	467	461	449	451	461	470	472	475	477	480	474	471
17 Q	472	474	475	472	472	471	472	472	474	473	475	474	471	468	462	453	454	462	470	476	474	476	470	466	470
18	472	475	472	469	474	472	476	482	483	478	478	478	470	457	471	454	438	447	455	455	461	469	470	474	468
19 D	479	472	456	472	407	392	415	417	439	417	452	482	471	466	456	454	446	446	451	451	451	461	460	455	449
20	441	454	459	474	454	462	459	449	446	462	474	467	467	454	451	440	441	451	460	467	469	470	469	469	458
21	470	470	468	470	469	476	478	471	468	478	481	478	473	468	459	450	447	450	457	463	468	479	473	471	468
22	470	471	470	475	471	471	478	481	473	476	478	479	479	469	458	444	438	444	456	471	483	483	479	481	470
23	460	458	465	467	468	469	472	474	476	477	478	478	477	468	458	444	437	442	451	462	473	480	483	481	466
24	481	483	481	476	470	473	476	478	474	468	468	489	486	483	470	447	466	460	450	455	468	476	477	476	472
25	474	473	473	471	473	475	478	480	481	480	462	501	463	460	452	434	437	447	451	458	451	468	468	449	465
26 D	428	456	452	448	457	460	447	434	447	444	465	466	442	445	441	429	436	426	441	453	460	444	454	444	447
27 D	446	468	477	457	453	466	456	455	460	457	455	447	468	452	437	434	444	437	411	424	460	461	464	466	452
28 D	467	469	460	454	457	453	468	452	452	453	461	460	473	471	468	431	426	460	457	445	458	463	457	467	457
29	465	466	440	468	453	448	440	465	457	447	451	468	465	448	465	468	455	453	453	460	471	462	470	467	458
30	456	457	467	471	471	463	454	455	455	460	460	465	471	471	458	442	445	450	460	462	466	468	467	472	461
31	463	474	464	461	469	463	467	464	461	467	459	466	467	463	461	456	454	456	460	463	467	470	472	476	464
Mean	463	466	465	465	461	460	461	461	457	458	461	466	466	460	454	443	447	452	456	462	466	469	467	466	460

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2. Agincourt. (D.) West 7°+ . . . ′ January, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	14.5	13.0	11.0	10.2	14.7	15.3	15.6	14.7	19.3	17.8	16.0	17.5	12.9	11.1	11.5	17.4	18.6	20.2	18.3	17.5	17.8	16.1	14.8	12.5	15.4
2	13.4	13.4	14.1	13.9	14.7	15.7	15.6	20.2	19.0	11.9	15.2	15.1	14.6	12.5	17.6	20.2	21.1	22.8	20.8	23.8	18.4	16.5	14.3	13.5	16.5
3	13.4	12.3	13.3	13.9	16.5	14.5	15.5	15.2	14.7	15.1	14.3	13.8	12.8	11.5	13.9	15.5	17.9	18.8	19.6	17.7	16.1	14.7	15.5	13.9	15.0
4 Q	13.4	11.0	9.4	14.2	14.3	14.4	14.7	14.8	14.8	15.2	14.8	14.2	13.4	12.0	12.4	15.1	16.1	17.5	18.4	17.8	15.5	14.6	13.8	13.9	14.4
5 D	13.6	13.1	13.0	12.9	13.0	12.0	6.1	20.3	28.5	8.3	61.3	26.2	22.2	11.5	16.5	16.1	19.1	22.0	27.9	19.7	16.5	17.5	17.5	14.2	18.7
6	15.6	16.1	16.5	16.5	15.6	15.2	15.1	14.8	16.1	18.3	16.8	16.1	15.2	16.5	16.6	26.5	25.1	21.9	21.5	22.0	21.6	17.7	14.7	12.9	17.7
7	14.6	15.2	14.8	15.4	15.6	15.2	16.5	11.1	11.9	13.8	15.2	16.5	17.9	15.7	16.4	22.0	26.0	26.0	21.5	18.6	16.1	14.6	14.3	13.7	16.6
8	13.3	12.9	8.3	17.9	15.9	14.2	14.1	13.3	13.4	13.8	13.7	16.5	13.3	12.1	14.2	16.7	19.2	19.3	17.9	16.5	15.5	14.3	14.7	14.6	14.8
9	10.1	13.3	15.5	15.3	14.7	14.7	14.7	14.6	13.3	12.5	13.1	15.8	14.1	12.1	12.8	16.4	19.3	19.6	19.2	16.9	15.0	13.7	13.4	13.2	14.7
10 Q	12.4	11.5	12.9	15.7	14.7	13.9	13.8	14.3	14.7	14.6	13.8	13.1	12.5	11.5	11.8	16.3	18.7	19.3	17.5	16.0	14.8	14.1	14.1	13.8	14.4
11	16.0	13.8	13.8	13.2	13.3	15.2	13.3	13.0	13.3	14.2	14.3	12.5	11.5	12.5	13.0	14.3	16.5	17.7	17.4	15.1	14.6	15.1	14.8	14.4	14.3
12	14.7	15.5	13.8	14.8	14.2	13.8	12.9	12.8	11.9	12.4	12.4	12.4	12.0	11.1	14.7	17.0	18.5	19.8	17.4	14.0	13.2	13.5	14.2	14.1	14.2
13	13.7	13.7	13.8	14.1	14.7	14.7	14.1	13.3	12.1	11.9	10.2	6.5	8.3	12.5	16.5	16.5	17.5	18.1	17.0	16.6	16.5	16.4	14.3	13.9	14.0
14	13.7	14.0	13.5	15.6	15.5	19.8	17.0	12.0	12.8	13.6	14.2	13.5	12.9	12.1	13.9	16.9	19.3	21.3	21.6	19.1	16.6	15.3	14.0	13.5	15.5
15 Q	14.2	14.0	15.0	14.4	14.6	14.7	14.8	14.2	13.4	14.6	13.8	13.0	12.5	12.9	14.6	16.0	17.6	19.3	18.8	17.7	16.0	15.1	15.1	14.3	15.0
16 Q	13.9	13.7	14.2	14.3	15.1	15.5	14.8	14.9	14.2	13.8	13.3	13.3	12.2	12.0	11.5	14.6	17.9	19.3	17.9	17.0	15.6	14.8	14.4	13.8	14.6
17 Q	13.8	13.4	13.7	14.6	14.7	14.2	14.0	13.8	13.1	12.1	12.9	12.5	11.9	11.1	12.3	14.5	17.0	18.4	17.5	16.4	15.5	14.5	14.0	13.3	14.1
18	13.7	13.7	14.0	12.5	14.3	14.7	15.3	15.6	13.3	10.5	10.6	10.2	22.4	24.3	22.0	19.8	20.3	21.6	20.6	19.3	17.9	15.5	15.2	13.7	16.3
19 D	12.8	13.7	14.3	12.2	14.3	6.6	12.8	8.4	11.0	21.0	25.6	13.0	11.9	14.0	20.8	22.8	21.9	20.6	19.2	18.4	18.9	15.6	13.4	12.0	15.6
20	4.6	11.6	4.9	11.4	15.6	16.5	18.8	21.6	22.0	15.5	12.4	11.1	11.6	11.6	11.2	15.0	17.0	18.2	18.5	17.0	15.8	14.3	13.8	12.1	14.3
21	10.9	11.9	13.3	13.8	14.3	17.4	17.8	16.0	14.6	18.4	13.3	13.6	13.9	10.3	11.5	15.2	17.8	19.7	19.5	17.6	15.5	13.7	14.2	13.7	14.9
22	12.4	11.9	12.9	10.0	14.1	15.2	17.4	18.2	14.6	13.2	13.9	14.3	13.4	10.4	10.2	13.1	15.7	18.3	19.1	18.5	17.0	14.8	14.5	13.9	14.5
23	11.5	9.7	11.5	11.5	12.9	14.3	15.0	15.1	14.3	14.7	14.7	14.3	12.5	11.1	12.0	13.7	16.0	18.7	19.7	18.7	17.4	15.8	14.8	14.3	14.4
24	13.3	13.3	13.8	13.9	13.8	14.2	17.3	15.6	12.0	11.5	17.5	15.3	10.5	9.4	11.5	17.4	23.6	22.2	21.6	22.5	19.5	16.0	14.6	13.8	15.5
25	13.4	12.8	13.2	14.0	14.3	14.5	15.0	14.6	14.6	12.4	16.5	31.8	6.1	8.8	12.0	17.3	19.9	20.1	18.7	19.3	20.6	17.0	16.9	19.7	16.0
26 D	13.1	15.0	6.5	4.1	13.3	13.4	13.0	24.2	15.2	11.4	15.1	11.1	15.5	17.0	17.9	21.0	18.6	19.4	17.9	22.4	16.1	14.2	15.3	12.7	15.1
27 D	12.7	7.4	7.6	10.9	12.1	14.3	15.0	18.8	16.5	14.7	15.2	18.7	32.4	31.6	22.4	18.8	20.0	20.2	20.2	21.1	17.5	17.5	15.6	13.8	17.3
28 D	13.6	13.8	13.8	13.3	15.8	18.5	13.9	16.5	21.0	15.5	14.3	14.8	14.3	12.1	13.3	17.5	21.6	18.8	18.5	17.5	16.5	17.5	2.4	14.5	15.4
29	15.3	3.1	12.8	14.6	13.5	12.4	19.5	15.1	12.5	14.2	21.1	14.0	13.3	17.5	23.4	16.9	16.0	18.8	16.1	12.5	13.4	14.9	15.5	15.0	15.1
30	11.9	9.2	11.6	16.1	16.5	13.2	16.5	16.9	10.2	10.9	12.0	15.6	14.2	13.3	15.1	19.3	20.7	19.6	16.9	16.5	15.1	14.0	14.6	14.3	14.7
31	3.0	9.6	13.8	13.9	8.3	16.0	14.3	14.2	13.2	14.7	13.4	17.5	11.9	12.4	13.3	16.1	17.8	17.9	16.9	16.1	15.1	14.7	14.5	14.3	13.8
Mean	12.8	12.5	12.6	13.5	14.4	14.6	15.0	15.5	14.9	14.0	16.2	15.0	14.0	13.4	14.7	17.3	19.1	19.8	19.1	18.0	16.5	15.3	14.3	13.9	15.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 3. Agincourt. (Z) 56,000 γ + January, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	222	220	216	215	323	220	219	216	210	192	199	193	204	205	204	204	216	216	217	216	222	223	223	222	213
2	218	215	213	214	213	207	204	200	181	193	198	203	206	211	209	213	221	216	226	222	219	222	220	220	211
3	223	222	216	212	207	213	213	214	211	213	212	214	212	207	207	212	214	216	214	216	216	215	216	216	214
4 Q	216	214	211	213	211	213	211	213	210	207	210	210	210	212	213	213	211	211	212	210	207	207	210	210	211
5 D	210	210	209	209	207	207	196	141	-30	-61	-106	-1	158	196	212	216	222	231	231	222	220	225	237	238	167
6	225	216	220	220	223	222	220	215	213	211	209	212	207	209	215	215	217	225	225	224	227	222	225	226	219
7	223	222	219	219	219	217	207	207	211	212	215	211	207	211	206	203	209	212	214	217	215	214	216	216	213
8	215	215	204	207	210	213	215	216	215	215	212	211	210	208	209	212	217	219	215	217	219	217	216	216	213
9	217	220	219	217	217	216	216	213	211	209	213	213	207	207	211	209	208	210	215	216	214	215	213	213	213
10 Q	213	210	207	210	211	213	211	211	210	210	210	210	212	210	207	204	205	209	212	212	210	207	207	210	210
11	209	217	212	213	214	216	220	213	210	208	205	210	207	207	203	204	205	210	215	211	209	210	212	213	210
12	210	211	212	213	214	216	212	214	211	209	211	209	209	206	205	204	207	207	211	211	210	206	209	211	210
13	207	207	208	209	212	213	212	211	207	202	193	196	202	196	200	200	203	207	211	212	210	213	213	213	207
14	216	217	222	219	217	216	207	212	213	210	210	210	209	207	207	208	210	213	214	215	216	213	210	210	213
15 Q	209	207	207	210	209	209	209	209	205	205	205	205	207	207	207	207	209	210	208	209	210	207	212	210	208
16 Q	209	207	277	277	207	206	206	205	206	206	206	206	206	203	204	204	204	204	204	204	205	207	207	206	206
17 Q	205	204	203	202	204	204	204	204	203	206	204	204	205	203	202	203	204	207	210	208	205	207	205	211	205
18	209	205	205	204	204	204	205	204	202	198	187	178	179	179	180	189	197	204	209	213	214	213	210	207	200
19 D	205	204	207	148	160	142	134	143	188	129	119	169	193	202	199	196	200	209	213	216	220	219	214	227	186
20	222	221	210	196	208	205	206	192	172	169	178	199	205	207	204	202	209	213	216	219	217	214	210	211	204
21	214	212	213	211	208	199	191	201	205	195	198	199	203	200	200	203	205	210	214	216	215	211	209	208	206
22	208	208	208	205	205	205	206	191	203	206	206	206	207	205	203	204	208	205	210	214	213	213	207	207	206
23	213	217	215	211	212	208	208	208	206	205	207	206	205	203	197	198	197	202	207	210	210	211	208	205	207
24	205	204	204	203	205	203	202	201	203	200	197	186	193	194	194	194	200	198	205	214	217	217	214	210	203
25	208	205	205	205	206	205	206	206	203	197	174	105	130	180	188	194	203	206	211	216	217	217	217	228	197
26 D	244	243	241	222	228	214	212	188	191	179	165	164	191	197	204	203	214	223	234	243	262	251	254	249	217
27 D	247	214	198	213	220	214	214	213	211	209	203	188	174	173	181	198	221	223	249	253	233	227	223	220	213
28 D	218	217	220	221	217	197	200	205	188	188	188	190	200	203	200	198	214	216	218	224	231	228	236	223	210
29	224	205	223	224	217	223	191	197	204	204	198	203	204	200	197	191	205	212	220	223	220	218	217	216	210
30	220	223	224	230	220	215	207	188	198	209	211	212	210	206	200	202	206	214	221	220	218	217	216	217	213
31	218	211	218	226	216	212	217	215	212	204	195	186	189	204	203	202	202	209	215	218	216	215	215	213	209
Mean	216	213	212	210	211	208	205	202	196	192	188	190	199	202	202	203	208	212	216	217	217	216	216	216	207

Table 4. Agincourt — January, 1953.

Day	Horizontal Force						Declination							Vertical Force						
	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	18	50	472	19	14	435	37	9	3	22.0	3	21	6.4	15.6	20	41	227	9	36	183	44
2	21	10	475	15	14	401	74	19	30	26.1	13	3	7.9	18.2	18	34	235	8	13	177	58
3	3	55	489	15	21	422	67	4	7	23.9	3	33	8.7	15.2	0	50	226	4	4	200	26
4	19	25	480	15	6	441	39	18	7	20.0	2	31	6.0	14.0	0	5	216	20	17	206	10
5	10	21	503	10	52	214	289	10	38	84.9	9	33	-4.4	89.3	23	18	246	10	32	-229	475
6	22	36	459	15	33	384	75	16	2	29.7	23	25	12.8	16.9	20	21	232	9	50	203	29
7	19	15	469	6	58	436	33	17	4	27.8	7	50	9.7	18.1	0	7	226	7	19	202	24
8	2	42	497	15	8	438	59	17	2	20.3	2	22	0.2	20.1	19	56	222	2	46	192	30
9	20	13	497	0	53	442	55	17	42	20.6	0	48	3.3	17.3	1	30	220	19	0	206	14
10	2	36	495	14	57	450	45	17	10	19.8	1	52	8.0	11.8	19	1	214	2	45	202	12
11	22	33	484	15	37	451	33	17	43	18.6	12	47	10.5	8.1	6	25	219	14	47	201	18
12	19	13	478	14	56	448	30	17	38	20.6	2	35	10.5	10.1	3	43	216	14	55	202	14
13	13	2	496	16	36	449	47	17	15	19.0	12	39	5.6	13.4	21	14	216	10	57	187	29
14	21	20	481	15	45	436	45	5	57	25.6	8	2	11.0	14.6	2	10	225	14	27	205	20
15	21	20	481	15	42	439	42	17	58	20.2	13	15	11.6	8.6	17	9	212	11	15	204	8
16	22	28	483	16	22	443	40	17	41	19.7	14	5	10.9	8.8	0	5	209	14	0	202	7
17	19	43	478	16	20	450	28	17	30	18.7	13	41	10.5	8.2	23	14	212	14	15	201	11
18	8	39	486	16	23	433	53	14	5	25.2	11	13	8.8	16.4	20	45	216	12	0	175	41
19	3	28	528	5	26	374	154	10	13	33.7	3	5	1.8	31.9	23	31	240	6	58	72	168
20	3	12	485	0	28	426	59	7	20	25.6	2	45	-5.4	31.0	0	1	230	8	47	161	69
21	11	8	485	17	2	442	43	9	26	23.4	18	34	6.0	17.4	19	27	217	9	46	184	33
22	21	38	491	16	46	435	56	7	4	21.6	3	13	5.1	16.5	20	30	215	7	20	185	30
23	21	57	483	16	9	437	46	18	32	20.1	1	20	5.2	14.9	0	55	220	16	5	194	26
24	11	40	491	15	40	437	54	19	42	24.5	13	8	8.8	15.7	21	2	218	11	26	181	37
25	11	47	536	15	9	429	107	11	23	41.4	12	21	-3.4	44.8	23	47	235	12	0	73	162
26	20	55	493	17	39	408	85	7	32	33.4	3	8	-9.0	42.4	20	9	282	11	31	151	131
27	12	45	493	18	26	380	113	12	8	38.5	1	38	-19.5	58.0	18	52	277	12	48	155	122
28	22	34	481	16	5	383	98	5	33	27.9	22	30	-11.7	39.6	22	22	247	8	34	177	70
29	1	15	504	2	5	425	79	14	30	25.9	1	10	-15.3	41.2	1	7	250	6	48	176	74
30	4	17	484	15	55	429	55	7	8	27.4	2	2	7.9	19.5	3	20	233	7	46	181	52
31	4	36	482	0	21	446	36	11	19	20.4	0	28	-3.3	23.7	3	13	229	11	54	181	48
Mean			488			421	67			26.7			3.4	23.3			228			167	61
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, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	474	469	466	464	466	466	469	472	472	474	475	476	474	472	469	461	459	466	474	484	483	474	473	476	471
2	478	480	468	461	471	471	469	469	466	470	474	476	474	469	461	448	447	454	464	469	473	476	476	477	469
3	479	472	469	476	474	476	475	474	473	479	483	474	479	473	466	456	453	459	476	487	485	484	484	484	474
4	483	485	481	479	474	477	478	479	481	480	479	478	479	476	464	469	469	472	466	476	481	484	487	487	478
5 Q	483	479	479	479	477	479	480	483	484	483	481	480	481	481	479	469	459	469	474	477	489	492	490	489	480
6 Q	484	484	484	481	479	480	482	486	485	487	484	487	481	477	469	462	461	466	469	475	479	483	484	484	479
7 Q	484	484	483	481	479	482	484	484	487	490	489	487	487	482	482	477	474	472	474	481	487	489	487	487	483
8	489	483	481	478	479	480	483	482	486	489	493	495	493	489	481	476	474	479	481	486	484	484	487	481	484
9	473	471	478	476	469	474	476	481	481	487	489	482	479	484	485	482	476	479	484	489	489	469	471	474	479
10	476	477	477	478	475	472	473	475	477	478	478	478	477	479	476	484	482	486	498	490	485	469	472	471	478
11	472	457	464	465	470	470	464	462	470	470	470	470	470	473	477	478	474	470	470	478	475	467	475	477	470
12	476	475	472	471	474	473	475	475	478	476	477	479	480	478	473	464	464	462	470	480	483	483	480	480	475
13 Q	479	480	478	477	477	481	483	481	483	482	483	484	485	486	490	484	481	482	484	485	488	482	482	488	483
14	484	474	476	480	479	483	483	473	472	480	495	490	484	479	475	472	473	474	478	465	478	482	481	481	479
15	477	464	459	462	470	476	479	482	483	482	490	493	486	480	475	468	464	469	477	485	493	495	496	472	478
16	439	458	468	472	473	473	472	471	475	472	480	488	482	477	468	459	429	431	458	475	485	485	485	488	470
17	482	485	481	470	477	481	478	475	478	488	490	496	493	482	481	482	479	480	486	490	489	484	482	482	483
18	480	477	474	475	476	480	477	478	483	480	484	486	485	480	473	467	468	467	473	480	487	490	490	477	479
19	482	488	479	481	478	465	469	475	477	479	481	480	479	470	465	455	454	463	474	482	488	488	488	479	476
20	472	479	481	482	483	480	485	483	484	484	484	485	480	473	470	467	462	464	466	472	482	493	494	493	479
21	486	453	457	479	472	475	472	462	475	488	484	487	485	480	474	467	467	468	474	482	488	488	484	474	476
22 D	474	475	476	476	482	483	490	490	485	487	495	498	495	493	490	479	472	484	472	467	488	477	448	493	482
23 D	443	446	431	444	449	448	429	449	421	416	470	474	418	455	444	452	457	424	433	454	477	480	480	452	448
24 D	444	447	470	456	460	454	439	446	442	467	472	456	439	454	474	461	449	464	457	476	438	458	464	458	456
25 D	438	462	474	464	455	477	457	413	397	439	450	462	458	449	467	472	459	444	433	449	459	469	467	464	454
26 D	454	467	467	452	472	478	444	426	442	456	418	418	446	470	460	446	433	441	454	464	475	454	469	455	453
27	460	466	477	465	467	465	459	457	437	437	464	448	475	467	462	437	449	462	460	475	482	479	439	446	460
28	470	468	467	459	454	428	454	460	460	467	469	470	464	463	458	457	462	459	472	465	475	481	475	477	464
29																									
30																									
31																									
Mean	472	472	473	471	472	473	471	470	470	474	478	478	476	475	472	466	463	465	470	477	481	480	479	477	473

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6. Agincourt. (D.) West 7°+ . . . ′ February, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	14.6	14.2	14.2	14.3	15.5	16.0	16.5	15.2	14.7	12.9	12.3	12.9	12.9	12.9	13.4	16.1	17.8	18.8	18.7	17.4	16.7	15.1	15.2	14.2	15.1
2	14.3	14.2	14.2	12.6	16.6	16.0	15.2	14.7	14.6	14.0	12.5	11.5	11.1	11.5	12.2	14.0	18.6	19.4	20.0	17.9	16.1	15.3	14.7	14.3	14.8
3	14.2	15.1	10.5	14.8	14.3	15.1	14.7	13.7	13.8	11.5	11.1	13.7	12.9	11.3	11.5	14.5	17.1	18.9	19.3	17.8	16.5	15.1	14.3	14.0	14.4
4	13.7	13.4	13.4	11.7	15.1	14.4	14.9	15.1	14.9	14.3	13.3	13.2	14.6	10.7	12.9	17.5	19.4	19.7	19.7	17.4	16.1	14.8	13.9	13.9	14.9
5 Q	13.8	13.7	13.9	14.2	14.3	14.6	14.6	14.8	14.2	14.3	13.4	12.5	12.4	11.9	12.9	14.7	16.2	16.7	17.8	17.4	15.6	14.6	14.2	13.7	14.5
6 Q	13.7	13.9	13.7	14.2	14.3	14.7	14.7	13.8	14.3	13.7	13.3	12.9	12.7	14.3	12.9	14.6	16.5	18.3	18.8	18.4	16.5	15.1	14.3	14.6	14.7
7 Q	14.2	14.2	14.0	13.9	13.8	13.8	14.1	14.3	14.7	14.7	12.9	13.4	12.8	12.0	12.7	14.1	15.6	16.5	17.0	16.4	15.2	14.7	14.3	13.9	14.3
8	13.7	13.7	12.9	12.5	13.6	14.2	14.6	14.3	14.3	15.2	12.9	12.0	12.0	11.5	11.3	14.1	15.3	15.8	16.7	16.5	15.7	15.5	14.7	15.8	14.1
9	14.7	13.9	14.0	13.6	11.3	11.8	12.9	13.3	13.7	13.8	13.7	12.9	17.0	17.5	14.1	14.6	17.0	17.0	14.7	15.5	15.8	18.6	17.6	16.9	14.8
10	15.8	16.0	15.1	14.6	14.6	14.2	13.7	14.1	14.5	14.1	14.2	13.7	13.7	13.1	15.5	15.8	18.4	19.7	18.6	18.5	20.6	17.3	14.3	16.1	15.6
11	15.2	12.5	14.2	14.6	14.7	15.1	12.9	12.3	13.4	13.7	12.9	14.8	16.2	15.2	13.3	13.5	14.6	14.8	15.1	16.0	16.6	16.4	15.2	15.5	14.5
12	15.2	15.0	14.2	14.3	14.3	14.2	14.1	14.6	13.9	14.0	14.6	14.3	14.2	14.2	14.5	15.2	17.6	19.4	19.7	17.5	16.5	15.6	15.6	15.2	15.4
13 Q	14.9	14.8	14.7	14.9	14.7	14.3	14.2	14.6	13.9	13.3	12.9	13.3	12.6	12.4	12.1	13.8	15.7	16.9	17.2	16.1	15.6	15.7	15.6	15.6	14.5
14	14.9	11.4	14.8	13.5	13.5	14.0	13.0	14.3	20.6	12.4	7.4	10.9	12.4	12.5	13.3	15.1	18.5	16.9	18.4	18.4	16.9	15.9	15.1	14.7	14.5
15	14.8	13.4	13.0	12.1	12.4	14.6	15.5	19.2	12.0	13.0	13.8	11.9	11.9	11.2	13.3	14.7	16.7	17.9	18.6	18.4	17.0	15.7	14.2	15.6	14.6
16	14.2	12.4	13.4	14.3	15.5	15.4	15.1	15.1	16.0	19.2	15.0	12.0	12.5	15.3	15.1	16.7	19.1	21.6	21.9	18.7	16.5	15.6	15.2	14.6	15.8
17	14.6	13.7	13.7	12.8	9.3	14.6	14.8	14.6	15.8	18.8	12.5	11.1	13.0	12.4	12.1	14.2	16.2	17.9	18.7	17.8	16.5	14.9	13.9	14.2	14.5
18	14.0	14.0	13.9	13.9	13.8	14.5	15.1	16.0	15.6	15.7	13.8	12.8	11.5	11.0	11.2	13.4	16.0	17.9	18.2	17.0	15.6	14.7	14.8	15.5	14.5
19	13.9	13.1	11.5	12.5	13.7	12.0	14.2	15.7	14.5	15.6	14.0	9.7	12.9	11.8	12.1	15.2	16.5	17.2	18.4	17.7	16.0	15.0	14.2	13.4	14.4
20	8.7	13.4	13.9	13.7	14.0	14.5	14.1	14.4	14.3	13.3	13.0	12.9	12.8	11.2	11.0	13.3	15.7	17.9	19.7	19.6	18.5	16.5	15.0	14.4	14.4
21	14.2	10.3	10.5	13.4	12.5	8.3	8.4	14.7	15.1	14.7	14.0	13.3	12.4	11.7	11.5	12.5	15.7	17.8	19.6	19.6	18.2	17.9	17.4	15.6	14.2
22 D	12.7	8.7	11.9	11.8	12.1	12.5	15.3	13.8	12.5	12.9	12.5	11.1	10.5	9.2	7.5	9.8	13.3	18.2	20.6	24.3	28.3	23.1	19.3	18.7	14.6
23 D	7.0	16.9	8.8	6.5	12.4	14.2	4.4	11.6	23.3	14.9	12.2	13.1	12.9	15.2	20.0	21.8	20.2	20.1	18.4	20.4	16.5	15.8	15.6	11.1	14.7
24 D	-2.2	6.0	9.9	1.0	10.0	11.7	11.5	22.4	24.7	13.4	11.5	13.9	17.8	20.1	15.5	15.1	17.9	16.6	18.5	18.8	12.9	12.5	18.0	5.6	13.5
25 D	5.8	-3.9	7.0	10.0	16.0	12.8	15.5	17.0	30.9	20.7	19.1	17.6	14.9	18.0	14.0	14.7	16.5	20.1	19.2	18.4	22.0	20.6	16.1	1.9	15.2
26 D	11.5	13.8	7.3	10.2	14.3	17.0	22.2	18.3	23.7	19.2	18.6	19.8	21.1	13.4	13.6	14.9	21.5	21.1	19.2	19.4	15.2	14.3	18.2	12.8	16.7
27	11.0	3.8	13.8	14.8	13.4	12.4	16.1	14.5	17.8	23.1	13.0	17.3	15.3	11.5	12.1	16.1	17.8	18.3	19.3	17.8	17.7	17.9	11.5	13.4	15.0
28	15.8	14.7	13.3	4.0	1.4	11.7	14.3	12.8	13.3	14.8	14.6	14.3	13.1	12.3	11.6	14.2	15.2	15.6	16.9	17.8	16.4	15.6	15.9	12.1	13.5
29																									
30																									
31																									
Mean	12.8	12.4	12.7	12.4	13.3	13.9	14.2	15.0	16.3	15.1	13.4	13.5	13.5	13.0	13.0	14.8	17.0	18.1	18.6	18.1	17.1	16.1	15.3	13.8	14.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 7. Agincourt. (Z) 56,000 γ + February, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	213	213	215	216	216	217	212	213	214	212	212	212	212	209	206	204	212	213	216	219	216	215	215	215	214
2	212	213	216	219	215	216	214	212	212	212	212	209	212	211	209	205	211	213	218	219	216	215	216	215	214
3	216	217	218	217	216	215	212	213	212	212	209	209	211	209	206	201	204	206	209	212	209	212	212	211	211
4	210	210	209	210	212	212	211	212	212	212	212	211	212	211	208	204	208	211	216	218	216	218	216	215	212
5 Q	213	213	212	216	215	213	214	216	215	215	213	212	212	212	212	208	209	210	212	215	215	212	215	212	213
6 Q	212	212	212	213	213	214	212	211	213	212	212	212	212	211	208	204	205	210	213	215	217	217	216	213	212
7 Q	212	211	211	211	211	211	212	211	212	209	209	210	206	207	205	201	199	204	206	209	210	208	208	208	208
8	209	209	210	210	211	211	211	209	210	206	206	205	205	204	205	201	204	205	205	205	206	206	207	207	207
9	209	211	209	209	202	189	204	205	208	206	206	203	199	194	192	192	194	198	198	204	208	213	221	214	204
10	214	213	211	209	207	206	207	207	206	205	205	203	205	202	201	197	195	199	202	202	207	223	222	218	207
11	219	231	230	222	215	210	206	205	199	202	205	206	208	208	207	202	199	202	205	206	206	209	211	212	209
12	208	210	210	211	210	210	209	208	207	207	205	202	202	202	199	199	199	205	207	209	210	210	210	212	207
13 Q	212	211	209	209	208	207	208	208	208	207	206	206	203	202	199	192	193	194	196	200	202	202	207	207	204
14	210	215	219	213	210	210	207	202	175	175	183	195	199	202	202	195	196	200	202	205	206	206	205	206	202
15	207	212	216	212	206	201	199	196	195	202	202	202	202	199	199	198	202	205	205	207	204	201	202	206	203
16	231	231	220	210	209	207	207	205	193	179	182	191	196	190	190	186	193	217	210	208	207	205	205	205	203
17	206	206	207	211	202	203	203	205	200	187	187	197	200	200	199	200	197	201	204	203	206	203	206	207	201
18	206	204	206	204	206	203	203	203	202	204	202	203	203	200	200	197	200	202	206	208	208	206	206	208	204
19	206	204	206	200	197	200	202	208	203	204	203	206	203	200	196	188	194	197	202	206	208	208	208	210	203
20	208	210	208	206	206	206	203	203	204	201	202	203	204	201	200	194	197	201	207	209	210	208	206	206	204
21	207	224	230	216	210	204	192	204	208	208	209	211	212	209	207	204	207	209	215	221	225	224	221	225	212
22 D	227	227	225	227	223	218	208	208	209	215	215	212	212	209	202	198	201	206	210	221	269	333	290	297	228
23 D	254	277	281	277	251	225	193	208	115	129	204	219	221	215	216	215	215	226	244	243	237	228	226	232	223
24 D	231	239	239	198	225	170	182	140	130	190	202	205	202	205	212	202	210	213	219	228	252	252	256	240	210
25 D	238	208	202	211	202	188	167	124	114	143	181	196	205	216	223	210	205	208	221	228	228	234	238	234	201
26 D	237	243	249	221	199	198	143	94	134	186	166	172	175	213	208	212	217	225	245	246	264	249	246	252	208
27	241	228	213	219	217	211	208	180	160	170	184	199	216	212	213	208	216	215	215	214	216	223	249	249	212
28	234	226	223	211	171	213	211	209	218	221	221	220	216	216	215	211	206	212	214	212	217	221	222	223	215
29																									
30																									
31																									
Mean	218	219	218	215	210	207	202	197	192	197	202	205	206	206	205	201	203	207	212	214	218	220	220	220	209

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 8 Agincourt February 1953

Day	Horizontal Force							Declination							Vertical Force						
	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	53	489	16	35	457	32	17	46	19.6	10	15	11.5	8.1	19	50	221	15	0	203	18
2	0	58	481	16	22	445	36	18	15	20.3	12	37	10.6	9.7	18	55	219	15	25	204	15
3	19	40	492	16	29	451	41	18	0	19.6	2	35	4.6	15.0	2	28	221	16	0	200	21
4	21	7	489	14	38	457	32	16	44	20.6	13	43	9.2	11.4	21	5	220	15	55	204	16
5	20	39	494	16	30	453	41	18	11	18.3	13	28	10.6	7.7	20	8	217	15	50	206	11
6	9	0	489	16	26	461	28	18	25	19.4	12	34	12.5	6.9	21	3	218	16	7	203	15
7	9	43	492	17	17	469	23	18	0	17.4	13	40	11.9	5.5	3	6	212	16	44	198	14
8	11	27	497	16	20	469	28	9	10	17.7	14	43	10.3	7.4	6	0	212	15	40	196	16
9	4	57	494	21	28	458	36	21	35	21.0	4	55	6.0	15.0	22	23	222	5	8	175	47
10	19	0	502	21	33	457	45	21	7	24.9	22	11	11.3	13.6	21	50	235	16	0	192	43
11	19	15	485	1	7	441	44	12	34	17.6	1	18	7.0	10.6	1	7	238	8	26	193	45
12	20	57	485	17	50	459	26	18	16	20.6	8	50	13.4	7.2	3	45	213	14	41	197	16
13	23	25	490	22	0	473	17	18	10	17.5	4	0	11.9	5.6	0	10	213	16	4	188	25
14	10	30	498	19	26	455	43	8	5	26.0	10	31	6.0	20.0	2	15	219	9	0	160	59
15	22	20	503	23	59	450	53	7	28	21.9	13	35	9.4	12.5	2	48	217	8	5	187	30
16	23	45	495	17	57	406	89	9	23	24.0	1	42	10.6	13.4	1	2	243	9	46	166	77
17	11	50	500	3	29	461	39	9	39	22.4	4	25	4.9	17.5	3	38	214	10	8	170	44
18	21	48	493	17	16	462	31	18	1	18.8	13	17	10.3	8.5	23	32	208	15	27	197	11
19	21	0	493	15	39	443	50	17	54	18.8	23	59	8.3	10.5	23	46	212	15	39	184	28
20	23	41	495	17	21	458	37	18	47	20.6	0	14	6.0	14.6	20	10	212	16	7	191	21
21	21	12	500	2	12	440	60	19	13	21.0	6	15	4.0	17.0	2	20	234	6	13	180	54
22	23	43	552	22	25	416	136	21	3	33.0	23	59	-5.7	38.7	23	51	369	15	43	178	191
23	20	23	491	8	28	361	130	8	58	33.1	23	59	-7.3	40.4	3	2	292	9	5	68	224
24	2	43	519	5	58	392	127	8	1	39.2	0	36	-8.6	47.8	23	10	275	8	17	95	180
25	1	43	508	8	3	333	175	8	6	43.9	1	0	-28.3	72.2	0	58	314	8	7	71	243
26	20	6	498	10	55	388	110	6	23	29.3	3	43	0.1	29.2	20	39	274	7	8	68	206
27	21	32	496	9	15	403	93	9	2	32.0	0	25	-7.2	39.2	22	50	262	8	48	131	131
28	4	22	505	5	2	396	109	19	27	18.7	4	7	-10.8	29.5	0	1	239	4	38	161	78
29																					
30																					
31																					
Mean			497			436	61			23.5			4.4	19.1			237			170	67
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, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	470	472	468	469	472	472	465	470	462	459	470	464	473	467	466	460	457	464	472	482	481	476	484	475	470
2 D	464	453	455	465	438	449	454	428	389	386	448	400	356	349	359	392	379	429	432	453	469	464	485	498	429
3	485	478	475	454	444	436	456	466	477	464	464	459	469	466	470	463	464	467	470	471	477	482	472	480	467
4	475	480	464	471	472	475	477	478	480	478	480	482	479	470	462	452	449	446	455	470	482	493	493	485	473
5	486	484	479	472	475	474	477	478	480	480	479	481	481	476	471	464	461	468	476	485	493	475	479	480	477
6	481	479	480	478	477	477	480	477	477	479	479	479	478	471	470	457	462	469	480	486	493	504	495	482	479
7	473	437	460	464	459	467	468	469	462	457	462	467	467	463	465	465	465	465	459	469	474	478	475	474	465
8	474	474	467	464	468	475	475	476	476	470	474	477	478	472	454	425	436	461	474	493	485	503	532	520	475
9 D	470	459	474	449	431	440	458	452	455	452	452	426	452	456	452	449	455	460	470	482	477	482	465	452	457
10	449	452	452	446	436	440	462	460	452	457	455	446	446	460	467	459	447	454	462	475	485	472	467	480	458
11 Q	472	471	489	464	459	459	460	464	464	465	467	470	469	467	464	467	467	473	482	483	477	484	480	482	471
12 Q	482	475	479	477	477	482	480	480	480	480	480	480	476	476	477	477	478	482	485	493	496	493	486	482	481
13 Q	484	484	485	485	482	482	483	485	484	482	484	484	483	476	470	472	470	469	480	491	500	496	500	511	484
14	503	486	484	480	482	480	485	489	493	495	496	495	493	485	481	477	478	480	485	498	491	484	480	488	487
15	490	490	488	485	490	490	489	481	481	477	493	483	478	488	480	467	456	454	462	475	482	490	490	489	481
16	480	473	473	483	475	473	474	482	485	482	488	487	481	470	462	454	449	460	480	493	499	482	483	480	477
17 Q	480	483	484	484	487	491	496	485	489	493	490	492	485	479	470	454	449	452	462	475	488	488	490	488	481
18 Q	487	485	488	490	490	490	493	495	495	495	495	495	490	484	475	456	454	457	465	485	500	500	496	503	486
19	499	474	473	462	477	470	484	494	486	483	488	474	488	484	470	446	444	452	469	480	486	495	485	465	476
20	460	459	467	473	472	474	477	481	480	482	482	483	482	475	470	462	462	464	474	490	494	490	482	488	476
21	480	481	462	444	463	462	462	449	464	480	481	464	475	473	468	446	444	454	452	472	487	482	483	473	466
22	467	490	470	469	470	444	468	478	470	462	467	473	475	467	457	452	457	462	472	483	488	458	467	485	468
23 D	485	481	477	469	445	465	459	482	471	453	469	469	475	469	456	378	411	452	451	435	478	468	480	483	461
24 D	483	472	423	448	448	481	448	430	481	430	466	455	453	460	453	446	440	447	422	447	478	483	457	456	455
25 D	453	487	453	461	472	472	463	443	432	441	453	458	443	453	443	438	446	426	431	458	488	474	484	483	456
26	477	476	477	469	474	466	466	479	474	478	476	461	471	463	448	444	437	448	465	480	478	463	471	474	467
27	480	476	479	470	479	471	465	456	469	476	444	443	476	469	453	445	448	458	471	479	479	485	476	484	468
28	482	478	461	466	472	479	479	463	466	461	474	482	479	464	459	444	438	454	464	472	487	493	489	481	470
29	482	479	476	474	472	469	471	466	474	480	482	487	482	474	463	445	438	440	455	474	487	499	489	494	473
30	497	489	476	480	476	471	484	485	483	483	482	477	469	457	456	456	463	477	482	489	489	494	487	491	479
31	489	485	487	481	481	483	485	482	487	487	487	485	472	466	460	455	458	462	469	477	480	483	481	489	478
Mean	479	476	472	470	468	470	473	472	472	470	475	471	471	466	461	451	450	459	466	478	486	484	484	484	471

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10. Agincourt. (D.) West 7°+ . . . ′ March, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	13.9	13.7	13.8	14.5	14.1	14.7	13.7	13.8	14.4	19.5	11.0	11.5	11.2	10.2	10.5	13.5	16.5	18.4	18.8	18.3	17.4	14.7	14.8	14.3	14.5
2 D	12.0	11.8	13.4	10.9	3.5	8.0	12.7	26.9	-0.9	9.5	21.9	46.5	51.6	40.0	42.7	29.1	22.7	23.0	16.5	24.3	16.5	15.5	14.7	14.3	20.3
3	14.7	16.1	12.8	-9.4	2.8	10.1	20.2	15.5	14.2	15.6	11.0	15.2	14.6	10.1	9.8	11.6	14.7	16.0	17.0	18.3	17.5	16.5	14.7	15.2	13.1
4	13.3	10.6	8.8	13.7	13.4	14.7	14.8	14.7	14.1	14.6	13.9	12.8	11.4	9.5	10.1	12.0	16.4	20.2	21.5	19.6	17.4	15.8	15.0	14.8	14.3
5	14.5	13.8	13.9	12.9	14.2	15.1	14.7	14.2	14.3	14.2	13.8	13.7	12.9	12.0	12.0	11.9	16.5	20.9	19.7	18.7	18.7	17.1	15.9	14.8	15.0
6	14.3	14.3	14.7	14.6	14.7	14.6	13.6	13.3	14.5	12.9	13.4	12.9	12.4	10.9	11.8	13.8	17.0	18.4	19.3	17.5	15.6	16.5	19.7	18.9	15.0
7	7.6	15.2	15.2	15.9	14.5	17.0	19.7	15.2	11.0	10.4	14.0	13.8	12.9	14.0	13.7	14.6	16.5	18.8	19.7	20.1	18.8	17.9	17.5	15.9	15.5
8	14.3	13.7	13.1	11.5	12.9	14.1	14.3	13.9	13.3	15.7	16.5	13.4	10.7	8.7	10.5	13.4	18.9	21.0	19.9	21.2	26.6	29.4	23.4	12.5	16.0
9 D	3.7	12.1	13.1	10.9	9.1	10.2	9.2	11.3	11.8	12.7	13.2	20.2	16.1	13.1	11.0	14.2	15.3	18.5	20.2	19.3	20.3	20.1	21.6	11.8	14.1
10	13.4	12.7	11.6	9.8	11.1	12.5	11.9	12.5	13.3	16.4	13.4	11.8	12.1	13.4	11.1	14.7	17.8	20.2	20.6	16.5	16.6	17.8	17.5	17.8	14.5
11 Q	16.8	15.1	14.5	14.3	14.3	14.7	13.4	13.7	13.7	13.8	13.3	12.9	12.4	11.9	12.9	14.2	16.1	17.5	17.5	17.5	17.5	17.5	17.4	16.7	15.0
12 Q	15.4	13.8	15.2	14.3	14.7	14.2	13.0	13.3	13.3	12.9	11.5	11.8	9.4	8.6	10.2	12.5	14.7	17.1	18.4	17.0	16.0	15.2	16.1	16.2	13.9
13 Q	15.5	14.8	14.4	14.0	13.8	14.2	13.7	13.0	13.7	13.5	12.9	12.4	11.5	11.5	11.0	13.3	16.0	18.3	19.3	18.8	18.4	17.9	17.0	16.2	14.8
14	17.7	16.7	14.7	11.0	9.4	9.5	13.1	13.7	12.1	11.3	11.5	11.5	10.6	12.0	11.9	12.9	15.8	18.4	19.7	18.8	18.7	17.5	16.4	15.3	14.2
15	14.7	14.3	14.1	14.6	13.0	14.0	11.0	11.9	10.2	14.3	14.3	14.6	19.6	16.4	11.0	13.3	16.7	20.4	19.7	18.7	17.5	15.5	14.8	14.7	15.0
16	15.2	15.1	14.3	12.4	10.8	11.6	15.2	15.3	13.9	12.9	13.9	12.2	11.0	10.1	9.7	13.4	17.9	19.6	19.7	18.7	17.8	17.0	15.1	15.2	14.5
17 Q	14.3	13.6	10.6	13.4	14.3	14.6	15.5	12.9	13.4	12.9	13.1	12.0	10.6	9.8	9.8	12.8	15.8	18.8	20.2	19.7	17.6	16.5	15.3	14.5	14.3
18 Q	14.3	13.8	13.7	13.8	13.7	14.6	14.4	14.3	14.1	14.0	14.5	14.2	11.9	9.6	8.3	11.0	15.5	19.9	22.0	21.6	20.1	17.8	16.1	15.1	14.9
19	15.1	10.6	14.8	12.5	17.1	11.2	13.6	14.7	14.8	13.3	13.1	15.6	12.8	10.6	7.5	11.0	16.5	19.2	19.8	20.4	20.4	18.3	20.4	20.0	15.1
20	15.7	9.7	13.3	14.3	14.2	14.7	14.8	14.3	14.3	14.8	16.9	15.7	12.8	10.6	10.4	12.5	15.6	18.3	21.0	22.5	23.7	25.2	24.6	22.0	16.4
21	16.5	16.4	10.2	6.9	9.3	7.6	9.3	9.3	17.8	14.2	11.5	14.9	14.6	10.2	9.4	11.5	17.0	19.7	23.0	23.8	17.4	18.8	18.8	17.1	14.4
22	9.3	1.8	8.0	13.5	11.9	17.9	13.7	10.9	11.2	16.5	17.5	13.7	11.5	11.0	11.5	14.0	17.8	20.3	19.4	17.8	19.6	22.5	18.8	16.1	14.5
23 D	15.3	15.1	7.4	-8.1	7.5	20.5	32.5	12.0	8.5	12.5	14.2	17.8	13.8	10.6	13.1	19.9	22.0	23.7	22.4	24.6	21.0	19.3	16.5	14.0	15.6
24 D	9.4	13.8	-9.4	7.4	19.4	9.7	7.8	27.4	9.7	17.8	21.1	11.5	15.1	17.0	15.2	15.5	21.1	19.2	22.4	18.5	24.7	17.8	13.3	21.6	15.3
25 D	16.5	2.4	8.3	15.0	13.3	14.3	15.5	12.9	12.8	12.5	14.3	13.8	17.9	13.3	14.7	15.5	17.7	19.6	23.6	20.6	17.3	15.1	14.9	16.0	14.9
26	14.3	13.3	15.0	10.5	8.4	12.9	20.1	17.0	12.4	12.8	13.3	15.1	13.3	12.5	12.5	15.3	17.9	20.9	21.1	19.0	16.3	14.1	18.7	17.0	15.1
27	15.2	13.7	14.2	3.8	-2.1	16.0	13.9	15.2	16.1	9.2	14.2	19.2	13.6	10.4	11.5	15.2	18.6	20.5	21.1	21.1	20.0	17.0	14.0	15.1	14.5
28	11.9	10.5	2.4	7.9	13.5	16.5	14.9	12.0	17.8	16.0	16.5	12.9	16.5	14.3	12.0	14.2	21.1	22.0	23.4	23.7	18.7	16.6	17.0	15.2	15.3
29	9.4	10.2	13.4	14.3	11.5	10.9	13.0	16.5	15.7	13.8	12.2	10.5	8.3	7.6	7.9	10.6	15.3	20.6	24.3	25.5	22.4	21.0	15.6	15.4	14.4
30	16.5	15.7	6.0	10.9	10.6	10.2	13.8	14.3	12.9	14.3	14.2	13.8	11.9	12.5	13.2	16.4	20.0	23.0	22.9	23.2	24.0	21.6	17.5	15.5	15.6
31	15.2	14.3	14.6	12.9	12.9	12.8	14.0	13.6	12.8	11.8	11.7	10.7	10.2	10.6	10.8	14.6	18.4	21.1	23.1	23.4	24.6	24.4	20.0	19.5	15.7
Mean	13.7	12.8	11.6	10.8	11.6	13.4	14.5	14.5	13.0	13.7	14.1	14.8	14.0	12.4	12.2	14.2	17.5	19.8	20.6	20.3	19.4	18.4	17.2	16.1	15.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 11. Agincourt. (Z) 56,000 γ + March, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	220	221	223	222	217	203	196	211	197	178	193	207	210	211	212	209	214	217	216	219	221	218	223	227	211
2 D	226	247	224	180	183	173	116	129	101	85	75	91	95	128	141	199	246	280	288	289	250	230	226	227	184
3	221	230	230	289	228	213	165	125	188	192	189	212	219	218	213	209	210	213	216	215	218	225	224	222	212
4	226	218	218	224	218	218	215	214	214	214	213	214	214	214	213	204	205	212	218	218	218	217	215	212	215
5	213	212	212	215	213	213	214	213	212	213	213	214	213	213	212	207	207	212	213	221	224	222	218	216	214
6	215	212	212	213	213	212	212	211	211	208	212	215	215	212	210	204	204	212	216	217	215	218	220	236	214
7	264	259	236	225	222	205	177	173	195	212	214	213	214	216	213	206	206	212	219	230	225	220	219	219	216
8	219	220	225	225	226	222	218	216	214	211	202	208	213	212	208	208	211	214	216	222	242	289	374	383	234
9 D	310	308	297	225	235	240	211	216	221	222	218	205	214	210	213	211	216	222	221	222	236	249	275	293	237
10	308	344	308	279	223	200	217	226	226	223	218	223	217	216	212	206	214	223	222	225	226	225	230	235	235
11 Q	244	250	227	236	233	232	229	227	224	224	223	223	223	220	221	216	214	213	219	221	220	223	221	223	225
12 Q	226	225	224	223	222	220	220	223	223	224	222	222	220	220	218	217	218	223	223	223	223	224	224	225	222
13 Q	223	224	223	221	220	220	220	219	220	220	220	221	220	220	220	214	210	207	207	210	214	217	218	216	218
14	220	230	225	216	210	213	218	218	219	216	216	215	216	215	214	207	201	204	208	210	214	216	221	224	215
15	219	218	221	215	214	213	192	199	210	203	204	201	198	201	203	210	213	216	218	216	221	221	221	222	211
16	224	227	227	207	210	210	210	209	208	215	218	217	217	219	218	208	207	207	207	210	215	224	223	223	215
17 Q	224	221	218	215	217	212	204	209	215	215	216	218	218	217	216	213	213	218	222	221	219	220	220	217	217
18 Q	218	216	216	215	215	215	215	214	214	214	214	211	214	214	214	211	211	214	214	211	208	211	215	215	214
19	217	228	229	231	188	213	218	216	218	214	216	211	210	212	215	212	214	216	222	229	233	238	251	264	221
20	274	258	241	232	225	222	221	219	218	219	215	215	222	223	222	219	216	213	216	220	233	245	252	243	228
21	238	234	179	220	217	208	208	192	188	209	211	211	226	219	220	211	218	222	229	261	261	238	227	231	220
22	234	212	206	228	210	171	198	214	214	209	199	202	209	214	214	214	216	220	221	221	229	246	239	228	215
23 D	229	229	235	200	207	192	117	200	202	189	194	210	203	209	210	212	247	236	244	259	252	244	235	232	216
24 D	226	227	212	205	126	199	176	87	176	117	144	179	189	197	203	204	212	222	256	305	300	335	286	279	211
25 D	268	229	223	193	205	219	189	134	121	159	189	194	203	220	216	219	223	233	256	253	247	245	239	233	213
26	229	228	228	221	217	215	197	200	217	223	220	215	225	221	227	224	228	229	230	232	245	251	246	253	226
27	236	229	209	217	188	205	185	174	183	206	192	200	213	217	221	220	224	223	226	232	235	245	241	236	215
28	231	228	231	205	221	213	170	186	160	169	183	198	194	198	207	207	217	227	233	239	246	239	230	240	211
29	244	219	231	230	228	222	221	220	218	221	224	226	226	223	218	216	216	221	224	229	239	234	236	231	226
30	229	230	231	221	181	192	219	221	219	221	221	222	221	220	219	214	216	216	220	225	233	234	224	224	220
31	223	223	223	221	219	216	221	221	220	218	221	223	221	220	219	218	219	221	227	230	239	249	249	252	226
Mean	235	234	227	222	211	211	200	199	203	202	204	208	210	212	213	211	215	220	225	230	233	236	237	238	218

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 12. Agincourt — March, 1953.

Day	Horizontal Force							Declination							Vertical Force						
	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	20	490	9	3	446	44	9	15	24.0	13	23	9.4	14.6	23	57	234	9	23	171	63
2	23	46	517	13	55	291	226	11	50	59.9	8	32	-10.3	70.2	19	15	320	12	21	45	275
3	21	29	506	5	13	390	116	6	47	26.9	3	38	-16.2	43.1	3	23	346	7	18	109	237
4	21	44	496	17	41	442	54	8	14	22.5	1	45	5.4	17.1	0	46	230	16	2	204	26
5	20	37	500	17	0	455	45	17	17	21.9	15	28	10.8	11.1	20	35	227	16	0	204	23
6	21	42	508	15	38	449	59	22	52	21.0	13	22	8.4	12.6	23	58	286	15	41	200	86
7	0	1	496	1	22	427	69	0	47	31.7	0	22	-4.0	35.7	0	53	334	7	10	159	175
8	23	50	610	15	50	415	195	22	0	33.7	23	57	-3.9	37.6	22	47	482	10	27	199	283
9	0	7	735	0	31	390	345	0	52	27.4	0	27	-17.9	45.3	0	5	390	11	39	189	201
10	20	33	495	2	2	395	100	2	2	32.4	2	23	4.2	28.2	1	38	381	4	52	164	217
11	2	10	526	5	25	455	71	2	22	23.9	2	4	4.7	19.2	2	0	263	17	18	212	51
12	20	13	500	1	11	470	30	18	33	19.2	13	51	8.3	10.9	1	15	226	15	38	213	13
13	23	50	516	17	19	463	53	18	21	19.6	14	53	10.4	9.2	1	47	225	17	21	206	19
14	0	1	519	14	53	470	49	0	37	22.1	4	47	4.9	17.2	1	5	231	4	50	198	33
15	6	0	500	17	31	449	51	12	11	22.1	9	8	6.7	15.4	23	59	225	6	35	183	42
16	3	26	516	16	32	446	70	18	1	20.2	4	2	6.0	14.2	2	40	228	3	33	181	47
17	6	30	501	17	21	447	54	18	48	20.6	2	25	9.0	11.6	0	20	225	6	39	201	24
18	23	58	508	16	35	452	56	18	30	22.5	14	22	7.7	14.8	1	50	219	20	7	205	14
19	0	2	509	15	35	435	74	4	18	26.6	14	17	6.1	20.5	23	52	274	4	20	175	99
20	22	4	516	1	13	446	70	22	10	28.4	1	36	4.2	24.2	0	52	308	17	2	212	96
21	2	17	511	3	10	401	110	19	31	31.5	3	15	-4.2	25.7	19	48	207	2	28	151	156
22	1	45	516	5	31	423	93	21	51	24.6	1	30	-22.9	47.5	21	45	256	5	31	149	107
23	20	37	505	16	3	349	156	6	30	40.7	3	28	-14.5	55.2	19	50	268	6	30	76	192
24	21	28	508	7	16	270	238	7	17	44.8	2	43	-15.8	60.6	21	55	392	7	16	-4	396
25	1	43	502	18	8	407	95	18	27	26.7	1	8	-8.9	35.6	0	49	279	8	46	103	176
26	20	19	515	16	56	427	88	6	37	27.4	4	3	-0.7	28.1	23	37	268	6	48	180	88
27	4	13	506	11	2	409	97	19	8	21.9	3	50	-16.7	38.6	21	53	247	8	7	156	91
28	21	38	499	16	20	430	69	19	5	25.3	2	55	-8.9	34.2	20	18	251	8	41	134	117
29	0	51	510	17	12	430	80	19	30	26.1	0	45	-0.8	26.9	0	40	275	1	22	204	71
30	0	22	511	15	46	448	63	20	18	25.7	2	50	-0.8	26.5	21	2	236	4	56	131	105
31	23	48	493	15	42	451	42	21	21	25.8	14	8	7.4	18.4	23	59	267	5	20	213	54
Mean			517			422	95			27.3			-1.1	28.4			280			165	115
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 13. Agincourt. (H) 15,000γ + April, .1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	472	476	479	479	479	487	481	493	477	473	484	473	459	465	459	459	460	466	479	492	501	497	495	502	478
2	479	469	464	476	487	467	472	474	464	462	479	478	475	467	456	443	441	453	476	479	490	495	488	478	472
3	473	469	479	473	484	475	477	482	483	484	484	482	476	466	452	448	463	472	487	488	492	493	507	494	478
4 D	492	481	466	450	461	469	463	468	472	471	465	456	458	440	433	429	446	458	469	467	464	476	481	490	464
5 Q	479	481	484	478	482	481	481	484	484	481	482	477	473	469	466	452	466	474	484	483	494	489	487	484	479
6 Q	484	479	473	475	470	472	479	480	473	467	476	479	476	470	463	460	464	473	483	487	489	490	489	492	477
7 Q	490	487	487	487	485	487	489	489	491	491	489	484	479	467	457	451	466	484	492	495	495	504	500	492	485
8	484	484	487	489	483	471	481	478	476	477	478	474	471	465	464	466	473	478	488	497	509	504	490	496	482
9	487	478	480	499	480	483	488	489	488	487	483	486	480	473	463	466	481	491	499	511	513	501	500	504	488
10	501	502	501	501	488	490	483	486	489	492	499	501	509	499	484	486	482	482	481	491	497	486	480	492	492
11	496	494	491	485	501	470	447	444	462	456	457	475	480	478	467	471	468	476	506	504	506	499	497	496	480
12	492	478	484	486	486	489	496	503	495	480	488	475	484	491	478	473	479	488	491	494	491	494	488	491	487
13	491	468	475	483	488	491	491	489	496	490	486	490	475	455	439	467	476	479	489	488	499	498	494	491	483
14 Q	488	488	486	486	494	491	493	496	493	491	493	493	491	484	477	468	477	488	496	498	501	496	493	491	490
15	487	483	491	488	491	504	501	496	492	489	491	491	488	488	483	472	468	472	489	505	512	512	512	505	492
16 D	496	465	437	430	439	424	450	441	424	476	473	471	452	441	427	435	464	471	488	507	511	484	508	501	463
17	480	468	471	483	486	485	479	480	496	494	489	470	477	486	481	465	460	471	486	505	513	506	504	498	485
18	496	489	488	491	488	493	473	461	457	477	484	486	478	473	473	461	465	479	488	491	495	504	491	491	482
19	485	476	475	486	514	473	488	479	483	478	478	475	465	498	471	442	453	471	476	486	489	499	480	475	479
20 D	470	483	472	479	477	430	408	437	468	491	484	471	476	457	449	465	476	478	484	496	503	492	489	480	472
21 D	478	484	486	460	473	483	463	446	452	478	474	475	473	468	471	465	460	453	465	488	507	506	493	493	475
22	491	491	493	488	483	483	488	482	473	477	480	476	465	453	447	437	460	486	498	503	516	500	591	496	481
23 D	481	479	480	505	446	434	465	476	476	480	467	470	470	471	455	452	462	478	487	502	507	498	495	503	477
24	492	485	490	490	490	487	491	486	488	487	487	487	488	479	472	477	483	497	531	539	526	523	515	515	496
25	506	498	497	495	502	505	503	503	505	501	502	495	493	486	479	477	488	500	506	496	497	505	506	484	497
26	495	500	497	495	510	495	502	503	501	498	496	502	492	476	456	468	474	479	492	499	500	500	488	487	492
27	486	469	481	485	487	490	490	493	490	491	495	490	484	476	474	477	478	485	493	503	497	496	505	496	488
28 Q	495	501	493	479	492	495	491	500	481	479	483	479	478	480	471	464	475	490	507	514	510	508	503	498	490
29	503	505	493	490	493	495	499	495	493	496	490	490	489	469	451	464	477	485	497	501	500	500	506	500	491
30	500	496	483	477	480	491	488	495	495	487	483	487	487	474	456	449	472	485	498	506	497	495	483	485	485
31																									
Mean	488	483	482	482	484	480	480	481	481	483	483	481	478	472	462	460	469	478	490	497	501	498	495	493	483

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14. Agincourt. (D.) West $7^\circ + \ldots'$ April, 1953.

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		5.5	14.6	15.6	14.5	13.6	21.2	14.2	13.7	12.1	17.9	13.8	7.8	9.2	10.6	11.5	17.2	22.8	25.1	24.9	21.6	18.5	16.5	14.7	14.3	15.5
2		11.9	7.0	7.9	13.5	15.6	11.5	14.9	13.6	19.2	18.4	13.7	8.8	7.4	7.7	10.0	14.7	20.3	24.2	24.1	23.1	20.2	17.4	16.5	15.0	14.9
3		15.1	10.5	7.7	12.2	12.5	18.7	12.8	13.9	11.5	12.0	11.5	9.7	8.3	7.9	10.9	16.2	18.8	20.8	22.0	23.4	23.2	23.2	22.8	20.0	15.3
4	D	7.5	12.0	10.2	9.6	8.8	12.9	11.0	12.9	13.3	12.9	12.9	10.2	9.4	11.6	13.8	18.4	22.8	21.1	21.0	24.6	22.4	19.6	14.2	15.4	14.5
5	Q	14.5	11.1	13.4	14.5	13.9	14.2	14.3	15.1	12.4	12.7	13.7	12.0	10.5	9.4	11.1	16.5	20.3	20.6	19.7	20.0	18.8	17.9	16.5	15.6	14.9
6	Q	17.0	17.0	15.2	18.2	12.7	12.0	12.8	13.8	11.5	12.0	14.3	10.2	8.8	9.7	11.8	15.2	18.4	20.6	21.6	21.6	20.1	18.8	16.5	14.7	15.2
7	Q	15.2	14.8	14.7	14.5	14.5	14.5	14.2	13.9	13.7	13.1	12.5	11.0	9.1	7.8	11.5	14.9	18.8	19.9	19.6	19.7	19.3	18.7	18.4	17.4	15.1
8		16.6	16.3	15.2	14.4	9.7	11.0	12.5	11.0	11.6	9.7	8.3	9.4	9.4	10.6	14.4	15.2	17.0	19.6	20.4	19.6	18.7	18.8	17.9	17.4	14.4
9		17.0	15.1	13.8	13.0	12.5	11.5	13.6	12.9	12.5	11.5	11.4	10.2	7.4	7.9	9.6	12.8	15.5	17.5	18.6	17.5	17.7	17.8	16.7	16.8	13.8
10		16.5	16.0	15.2	14.6	11.2	9.4	6.1	8.2	9.4	14.9	16.8	16.5	12.8	10.6	11.2	15.2	15.8	18.8	19.7	18.8	18.2	18.6	17.9	16.6	14.5
11		15.6	14.7	14.9	9.2	-4.3	13.4	11.5	14.7	21.5	18.3	19.7	13.4	11.0	10.7	13.7	18.2	20.1	26.9	19.3	18.8	16.5	15.5	15.2	16.5	15.2
12		13.3	10.5	10.9	14.3	15.5	14.5	16.4	18.3	11.1	9.5	14.0	17.3	11.5	12.9	12.8	15.5	17.4	18.2	18.3	18.0	17.7	16.5	15.2	13.9	14.7
13		13.6	7.9	7.5	14.3	15.2	15.1	14.3	14.3	15.6	18.4	8.0	9.3	10.2	13.3	17.9	17.6	20.2	20.1	19.6	19.6	16.4	15.7	14.8	14.4	14.7
14	Q	14.3	13.8	13.4	14.3	14.3	13.8	13.6	13.4	12.9	13.5	12.2	11.0	11.3	9.4	10.0	14.6	17.8	20.0	20.4	20.0	18.5	16.7	14.7	14.3	14.5
15		13.4	13.4	9.6	12.0	13.7	13.7	13.1	12.0	14.0	15.6	15.2	10.1	7.4	7.4	9.5	11.9	15.5	20.0	22.9	22.9	21.7	18.7	16.5	14.4	14.4
16	D	13.7	9.5	2.4	-2.6	-2.7	1.7	6.0	5.5	6.8	12.5	15.5	11.5	9.8	12.9	13.3	17.4	22.6	20.1	20.4	19.6	22.4	17.0	15.1	16.5	12.0
17		10.8	-3.0	13.4	12.8	13.8	13.8	18.3	21.0	11.5	9.4	9.1	9.7	13.8	14.0	11.0	13.2	14.9	16.9	18.6	18.6	17.8	18.4	17.1	15.6	13.8
18		15.7	14.8	10.3	11.2	11.5	12.3	13.0	11.5	2.0	8.7	11.5	10.2	8.8	9.2	11.1	13.7	17.0	19.7	20.9	20.9	20.0	18.6	16.5	15.1	13.5
19		13.8	14.0	11.6	8.0	8.8	14.8	13.1	12.3	12.9	10.6	12.9	10.4	17.3	18.0	16.1	17.0	20.2	18.4	18.9	19.2	19.7	18.7	18.3	16.5	15.1
20	D	12.3	11.5	12.5	12.9	10.6	1.4	9.3	13.9	23.9	9.4	6.0	8.4	7.4	11.3	16.8	17.1	16.5	17.6	19.6	18.7	19.8	19.3	13.4	15.8	13.5
21	D	6.9	12.8	13.8	14.6	13.8	11.9	10.5	19.3	22.5	12.4	13.4	11.5	11.4	12.1	12.0	12.2	15.2	18.7	19.2	20.2	19.6	18.8	10.5	14.3	14.5
22		15.7	4.9	8.4	6.7	10.2	13.8	15.8	18.8	17.9	20.0	12.1	10.2	10.4	13.3	17.3	22.2	27.5	25.3	20.9	16.6	17.5	19.7	16.0	10.6	15.5
23	D	11.0	16.2	11.0	0.0	10.4	10.8	12.0	14.4	16.7	15.5	14.3	14.7	13.8	13.2	14.2	16.9	19.6	21.6	20.6	16.7	17.6	16.6	13.8	9.7	14.2
24		14.8	16.1	15.4	14.7	13.3	13.8	14.3	13.0	13.8	13.3	12.5	11.4	10.6	11.0	12.0	16.5	21.0	22.7	21.9	20.6	19.3	19.3	17.9	16.9	15.6
25		16.1	15.2	14.8	14.7	13.9	12.5	12.1	12.1	11.9	10.2	12.5	11.0	11.1	10.2	10.7	12.0	18.4	20.0	20.6	21.5	20.4	19.5	19.3	13.7	14.7
26		14.0	12.9	12.9	13.3	11.1	13.0	13.9	12.0	7.4	8.4	7.8	7.9	8.6	10.5	12.4	17.4	19.3	21.2	20.6	19.4	18.8	18.4	16.9	14.3	13.8
27		15.5	8.3	8.4	14.0	13.8	14.3	16.5	13.8	12.1	10.9	9.5	10.1	11.5	12.0	13.8	14.3	16.0	18.4	19.8	19.3	19.3	18.4	16.5	12.9	14.2
28	Q	12.6	13.8	10.2	12.5	14.7	15.5	11.1	10.0	10.2	11.5	11.1	11.1	13.7	9.7	10.9	14.2	17.0	19.2	20.6	20.1	18.8	17.4	15.6	14.7	14.0
29		14.0	14.7	15.6	14.3	14.3	14.1	13.3	12.1	12.1	11.5	11.1	10.1	8.8	7.4	11.5	18.2	20.0	21.4	22.0	21.1	19.4	16.6	14.9	14 0	14.7
30		14.3	12.5	15.1	10.1	13.1	14.7	14.7	19.9	13.7	9.7	8.4	6.9	6.4	6.5	10.2	16.2	20.3	24.7	22.4	22.6	21.5	18.3	16.5	14.6	14.7
31																										
Mean		13.6	12.3	12.0	12.0	11.6	12.9	13.0	13.7	13.3	12.8	12.2	10.7	10.3	10.6	12.5	15.7	18.9	20.6	20.6	20.2	19.3	18.2	16.2	15.1	14.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 15. Agincourt. (Z) 56,000 γ + April, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	252	236	230	230	229	206	210	219	218	207	201	216	217	219	216	208	206	210	213	218	221	224	224	228	219
2	230	224	225	230	210	198	218	221	204	190	210	220	221	220	218	216	217	221	227	228	234	239	233	240	221
3	243	241	219	228	220	208	207	212	221	222	225	225	223	219	216	215	212	211	214	220	225	231	244	264	224
4 D	320	308	266	198	222	232	226	240	235	231	226	217	217	211	217	217	221	224	230	249	261	249	246	235	237
5 Q	231	220	219	223	222	224	225	225	219	222	223	220	225	223	223	228	231	228	228	229	230	231	235	238	226
6 Q	238	246	250	242	232	231	231	224	208	221	224	220	222	219	217	211	212	213	214	217	221	225	231	234	225
7 Q	226	225	225	225	224	224	225	224	224	225	225	225	224	222	220	218	219	219	219	222	224	230	234	237	224
8	235	232	226	226	218	223	227	223	223	218	218	218	215	214	215	212	206	203	209	213	220	231	239	238	221
9	238	243	239	203	206	220	225	224	222	220	220	218	215	213	210	206	203	203	203	208	210	213	218	218	216
10	218	216	216	218	220	203	191	219	219	215	196	191	195	200	201	202	200	202	208	215	219	227	232	229	210
11	222	220	220	209	171	156	108	114	144	161	186	196	203	209	208	202	208	219	226	226	220	218	219	223	195
12	223	224	221	220	221	213	203	179	182	192	202	188	203	197	203	203	209	215	222	226	226	225	224	222	210
13	221	221	220	224	221	221	218	207	193	174	199	211	210	209	214	213	214	216	218	220	224	221	221	221	214
14 Q	219	221	221	219	210	213	214	216	216	216	217	215	216	210	210	207	207	210	213	219	219	221	221	219	216
15	216	219	210	204	213	214	213	213	213	207	208	207	209	210	209	207	201	201	206	211	215	216	219	216	210
16 D	213	216	216	160	107	145	114	95	118	187	199	207	204	204	207	213	216	230	224	229	239	272	246	239	196
17	250	232	229	231	233	229	210	178	207	220	220	207	207	198	204	206	207	213	213	218	219	219	219	220	216
18	222	225	218	205	200	172	152	152	158	205	224	228	222	216	215	212	211	214	220	222	222	225	227	228	208
19	225	229	227	180	181	173	180	214	214	211	212	204	192	184	188	195	203	208	211	217	220	228	251	273	210
20 D	261	238	220	172	214	134	96	147	123	180	190	194	205	204	208	211	209	208	214	223	233	246	264	258	202
21 D	245	231	227	187	186	178	172	121	131	184	209	200	210	208	211	211	214	221	251	234	227	231	240	234	207
22	231	219	199	203	210	217	208	189	180	187	184	199	205	211	216	217	218	215	223	228	235	240	255	250	214
23 D	235	231	223	183	153	134	199	215	206	210	203	206	213	216	219	226	222	224	227	236	232	236	240	235	213
24	224	226	223	221	221	221	217	216	219	221	221	219	216	218	213	209	206	203	195	195	205	212	215	216	215
25	215	218	216	218	217	212	215	216	212	211	209	204	204	204	206	201	198	194	205	215	221	223	228	235	212
26	228	219	200	209	205	193	176	193	206	212	218	215	214	212	215	211	203	205	211	212	218	221	229	234	211
27	233	236	215	226	218	218	213	212	210	211	212	212	212	215	212	203	200	200	209	215	216	212	217	222	215
28 Q	222	220	220	224	222	210	199	188	192	204	216	216	213	213	213	216	215	212	210	216	221	222	219	219	213
29	217	222	222	223	223	222	213	212	219	222	219	219	222	222	222	218	224	225	230	234	234	230	228	224	223
30	224	223	225	217	227	223	220	196	198	210	213	213	213	213	212	210	215	225	225	228	242	240	229	224	219
31																									
Mean	233	229	223	212	209	202	197	197	198	206	211	211	212	211	212	211	211	213	217	221	225	229	232	232	215

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 16. Agincourt — April, 1953.

Day	Horizontal Force						Declination							Vertical Force						
	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	27	507	14	15	454	53	17	59	26.6	0	25	-6.9	33.5	0	17	304	10	15	192	112
2	21	35	499	16	3	437	62	17	54	25.1	1	2	-2.3	27.4	23	59	242	9	39	181	61
3	22	30	512	14	50	444	68	19	22	24.7	2	4	-0.4	25.1	23	38	273	5	49	201	72
4	2	6	544	3	23	397	147	19	17	27.9	2	4	-6.7	34.6	0	28	421	3	17	131	290
5	20	41	500	15	9	446	54	17	22	21.6	1	12	7.4	14.2	23	59	240	2	15	213	27
6	20	8	495	4	32	456	39	3	38	22.8	12	13	8.7	14.1	3	0	255	8	30	201	54
7	21	35	505	15	34	448	57	17	10	20.2	13	9	6.9	13.3	23	21	238	15	0	217	21
8	20	48	514	14	25	461	53	18	19	20.9	10	29	7.7	13.2	22	30	242	17	20	203	39
9	20	44	519	14	48	455	64	4	5	19.6	12	30	6.7	12.9	1	10	244	3	30	178	66
10	5	50	514	14	50	462	52	10	1	23.3	6	37	2.4	20.9	22	56	232	6	0	148	84
11	20	26	522	7	0	424	98	17	17	30.7	4	15	-13.0	43.7	19	12	228	7	0	78	150
12	7	15	506	12	47	465	41	6	56	21.1	9	20	6.5	14.6	19	8	229	17	26	172	57
13	9	2	507	14	17	423	84	9	22	24.2	2	8	0.5	23.7	1	45	226	9	32	165	61
14	20	48	507	15	49	462	45	19	18	21.6	13	45	7.4	14.2	21	15	222	4	34	201	21
15	20	24	522	16	38	464	58	18	43	24.1	2	20	0.1	24.0	0	50	220	3	0	197	23
16	20	18	532	8	32	401	131	21	8	26.6	4	5	-12.8	39.4	21	20	283	4	8	54	229
17	20	37	523	1	21	453	70	6	55	24.7	1	18	-10.3	35.0	0	58	261	7	42	174	87
18	21	11	516	8	18	450	66	19	35	21.9	8	13	-4.4	26.3	2	4	239	8	0	127	112
19	3	52	504	16	0	436	68	16	41	23.3	3	50	-5.7	29.0	23	36	279	5	52	144	135
20	20	11	527	5	51	374	153	8	10	31.1	5	23	-9.5	40.6	0	12	291	6	13	74	217
21	21	0	526	7	21	417	106	8	8	28.5	0	43	-4.0	32.5	0	20	286	7	22	89	197
22	20	26	548	15	32	406	142	17	1	29.3	1	53	-4.4	33.7	22	57	264	8	21	169	95
23	3	14	522	4	47	405	117	17	13	22.1	3	2	-9.5	31.6	23	15	247	5	22	118	129
24	19	38	549	14	38	470	79	17	11	23.4	12	38	10.0	13.4	0	1	231	19	22	191	40
25	21	33	523	15	8	467	56	19	28	22.3	14	14	8.4	13.9	23	38	239	17	15	193	46
26	4	13	521	14	19	439	82	17	0	23.0	8	20	6.0	17.0	22	51	239	5	58	164	75
27	23	57	515	1	26	454	61	18	7	20.5	2	3	-4.9	25.4	1	28	245	17	30	199	46
28	19	30	516	14	55	464	52	18	28	20.8	3	1	6.9	13.9	3	48	228	7	51	184	44
29	19	40	510	14	33	426	84	18	43	22.5	13	58	5.2	17.3	19	40	237	6	40	204	33
30	18	22	528	15	11	443	85	17	13	26.9	12	42	5.7	21.2	20	23	246	7	55	184	62
31																					
Mean			518			440	78			24.0			0.0	24.0			254			165	89
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, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	484	487	486	485	485	488	487	487	485	478	482	482	478	472	459	471	486	503	507	504	502	503	500	503	488
2 Q	504	492	485	487	485	490	492	491	490	490	486	480	480	470	460	455	459	466	474	482	493	497	499	495	483
3 Q	495	496	495	497	495	494	495	493	493	492	491	487	482	478	469	469	472	477	482	490	488	498	500	495	489
4	494	492	497	493	486	485	487	488	487	487	495	493	488	482	481	481	490	500	505	512	508	511	508	514	494
5	511	504	500	493	478	477	489	492	477	485	487	479	482	486	482	479	482	490	498	508	505	524	521	529	494
6 D	518	518	476	490	495	487	508	511	499	480	436	449	477	461	446	443	458	469	488	503	504	490	493	490	483
7	491	466	465	467	479	456	452	493	489	491	479	457	483	474	464	462	474	477	488	500	510	512	503	492	480
8 D	491	464	483	480	491	456	437	482	501	487	484	487	487	472	461	457	471	485	496	509	515	515	499	499	484
9	481	486	491	495	492	494	497	491	468	468	463	470	476	470	445	442	473	489	492	510	517	510	512	492	485
10	484	486	491	494	494	497	489	489	486	486	478	480	475	466	463	473	485	492	509	518	514	497	497	499	489
11	499	501	495	494	489	484	499	494	499	492	499	494	488	478	477	481	490	491	497	499	506	504	505	503	494
12 Q	499	498	497	490	487	488	493	499	497	496	494	496	490	484	479	474	474	480	491	508	504	498	501	501	492
13 Q	501	499	499	501	501	499	501	501	497	494	499	497	492	482	475	473	470	484	494	502	507	509	505	502	495
14 Q	502	502	499	494	496	502	501	504	502	499	497	496	491	481	478	475	486	504	512	527	524	514	509	504	500
15 D	506	509	507	495	497	494	495	504	504	499	497	500	475	437	435	475	494	507	522	585	676	570	570	477	510
16 D	456	456	460	420	405	332	367	435	450	458	417	419	384	368	386	381	399	425	498	540	543	623	623	555	450
17	566	548	469	501	468	475	470	455	460	463	463	463	460	453	451	438	458	481	486	495	512	489	494	478	479
18	463	461	473	480	476	480	461	440	466	448	445	471	469	459	465	466	469	479	490	507	515	506	490	494	474
19 D	477	468	475	474	476	471	478	466	466	463	419	460	473	471	464	480	486	492	502	509	499	536	524	510	481
20	494	494	494	493	483	487	489	476	478	482	481	476	472	466	456	453	463	484	482	502	508	492	499	495	483
21	488	484	480	478	481	494	482	481	478	486	482	475	478	475	456	453	468	489	505	514	503	507	501	499	485
22	489	489	494	507	485	487	489	489	491	493	486	478	469	464	458	459	473	494	507	504	501	494	486	497	487
23	490	486	490	491	489	490	491	490	476	479	482	476	474	463	456	456	469	487	501	511	528	521	507	504	488
24	491	494	492	496	494	495	495	500	499	501	502	495	489	485	485	476	471	486	499	494	505	505	505	500	494
25	496	496	500	499	498	495	496	497	496	502	502	499	492	486	480	476	485	504	520	522	518	525	511	504	500
26	501	505	507	511	503	507	507	513	511	503	498	497	502	494	491	489	486	501	517	535	547	538	535	527	509
27	518	521	509	492	463	448	425	306	442	424	450	463	463	455	455	448	459	466	484	498	502	518	501	497	467
28	499	497	494	495	491	494	491	492	491	494	496	487	473	473	481	485	492	515	522	528	525	512	499	492	496
29	491	492	494	492	492	489	486	479	484	479	489	485	475	470	484	487	484	486	494	505	505	507	509	509	490
30	492	492	494	488	489	494	493	492	496	494	491	490	486	477	477	481	486	496	507	509	504	517	510	508	494
31	503	499	494	495	494	494	494	489	486	486	486	486	485	480	482	470	480	492	504	514	514	509	506	507	494
Mean	496	493	490	489	485	481	481	481	485	483	479	479	477	469	464	464	474	487	499	511	516	514	510	502	488

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18. Agincourt. (D.) West 7°+ . . . ′ May, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	14.8	14.5	14.3	14.9	14.8	15.5	14.2	13.8	15.5	13.8	15.8	11.9	9.7	10.2	12.8	19.3	19.6	20.4	20.6	20.6	19.3	17.5	15.6	14.2	15.5
2 Q	13.3	15.0	14.0	13.3	13.8	14.7	14.2	13.3	13.2	12.9	12.5	12.2	9.4	8.4	10.2	14.2	16.7	19.2	21.0	21.4	20.6	18.8	16.2	14.9	14.7
3 Q	14.7	14.3	14.2	14.2	14.2	13.9	13.8	13.8	12.9	12.1	11.5	10.4	9.6	9.4	11.0	12.5	15.5	18.4	20.2	20.2	19.5	17.4	15.6	15.1	14.4
4	14.5	15.5	14.6	13.8	11.9	11.5	11.5	12.4	12.8	16.1	10.7	10.1	10.2	11.5	13.7	15.6	17.9	19.2	19.7	19.5	18.5	17.0	16.1	16.4	14.6
5	17.1	17.4	16.5	8.2	8.3	12.4	12.9	12.4	13.7	11.4	8.4	7.3	7.4	10.2	13.3	16.2	19.2	21.7	23.3	22.4	20.6	19.1	18.4	19.5	14.9
6 D	19.3	14.9	8.4	11.1	11.9	7.8	7.4	5.1	10.2	8.4	16.9	20.6	8.4	11.3	12.0	13.7	20.2	19.5	20.6	18.5	17.1	16.4	13.8	9.4	13.5
7	12.5	9.8	6.7	8.4	12.7	18.8	30.7	16.5	19.4	14.3	12.4	18.3	14.8	9.4	11.1	14.5	17.5	19.7	19.9	19.3	17.8	15.7	12.9	12.1	15.2
8 D	12.5	-1.4	9.1	12.9	13.9	13.4	20.6	19.7	10.2	12.7	13.6	10.2	5.5	7.5	13.2	17.6	22.3	22.4	20.6	18.8	16.5	13.1	13.8	12.5	13.8
9	8.7	10.5	15.4	15.5	12.9	17.9	24.6	13.4	9.7	12.9	14.9	12.9	10.0	10.9	13.2	17.4	18.6	18.6	19.6	17.8	16.9	16.0	8.7	11.3	14.5
10	15.5	15.6	15.2	15.9	16.1	17.0	15.4	14.3	18.2	16.6	11.5	10.6	11.3	12.5	15.6	17.8	21.2	21.1	18.5	17.0	15.9	15.9	15.1	15.2	15.8
11	14.7	10.4	14.3	13.6	13.8	14.0	16.5	14.6	15.5	15.5	8.8	7.8	7.9	10.7	12.8	17.5	18.8	19.7	19.3	18.6	17.4	17.1	15.6	15.2	14.5
12 Q	15.5	14.7	14.6	14.5	14.3	16.5	14.9	14.3	13.4	12.6	11.4	8.7	7.4	7.9	9.2	13.0	16.5	19.0	19.7	17.5	17.0	17.0	15.5	15.0	14.2
13 Q	14.8	14.8	15.1	14.5	14.7	14.0	13.3	13.3	12.4	12.0	11.1	8.8	7.9	7.9	9.9	14.0	16.7	18.8	19.6	17.8	16.5	15.2	14.3	14.4	13.8
14 Q	15.1	15.1	14.9	14.7	14.2	14.2	13.8	12.9	12.9	12.0	10.2	8.5	7.9	9.4	11.1	14.3	17.5	18.8	20.3	19.6	18.6	16.7	16.0	14.7	14.3
15 D	14.7	15.3	14.3	7.8	6.7	11.4	12.1	17.4	9.6	7.4	7.0	7.3	6.8	11.5	21.3	24.3	24.3	27.3	27.6	23.4	3.3	16.0	9.7	14.3	14.2
16 D	17.9	13.7	24.3	3.0	1.4	21.9	12.5	27.5	27.9	15.2	25.6	24.6	28.6	27.5	27.7	29.8	25.5	28.7	25.6	11.3	15.3	-1.7	3.0	6.4	18.5
17	11.9	18.0	15.5	16.2	15.3	14.5	12.5	11.7	13.4	11.8	10.8	10.2	10.1	11.8	13.6	18.7	21.5	19.7	20.2	20.3	19.7	19.7	19.5	16.6	15.5
18	13.8	16.9	15.8	17.5	14.3	17.5	12.9	17.8	18.6	19.6	18.8	10.9	8.5	10.6	12.1	13.9	16.5	18.4	19.6	18.4	18.4	19.7	16.9	16.9	16.0
19 D	7.9	8.3	14.2	18.3	10.4	9.4	14.8	20.6	24.2	12.5	20.2	14.3	7.0	7.4	12.8	15.2	18.9	20.2	19.7	19.2	19.3	11.5	9.7	14.3	14.5
20	14.7	15.1	12.8	13.7	13.6	15.9	19.3	16.1	11.9	8.8	7.4	7.3	7.4	10.2	13.9	19.1	22.5	22.1	22.9	21.9	21.9	19.2	15.1	12.5	15.2
21	15.5	13.9	12.8	14.3	15.5	13.7	16.2	14.4	16.6	13.9	10.3	9.7	9.9	10.5	13.3	17.5	20.6	22.0	22.6	22.0	19.6	15.6	15.2	15.2	15.5
22	15.6	14.6	13.8	14.1	15.0	12.3	12.4	13.7	12.9	11.9	10.5	10.1	10.7	12.9	13.9	17.3	19.6	20.9	21.5	22.9	19.6	19.4	18.1	16.5	15.5
23	15.7	15.2	16.5	15.6	15.1	15.6	14.7	17.1	18.4	17.8	9.7	7.4	9.3	11.8	14.0	17.0	20.1	21.6	22.9	18.9	16.5	14.6	13.9	14.0	15.5
24	15.5	15.3	15.2	15.1	14.0	14.1	14.2	15.1	13.3	11.5	8.8	6.6	5.6	8.3	12.9	17.4	21.0	23.3	23.8	22.9	19.0	16.7	14.6	14.3	14.9
25	14.2	13.7	13.8	14.3	13.3	12.4	12.1	11.4	11.2	10.9	9.3	7.4	8.4	9.1	11.8	17.0	19.4	20.6	19.7	17.9	16.5	15.1	15.5	14.3	13.7
26	14.7	14.2	14.5	12.9	13.3	13.9	13.7	12.5	10.7	9.3	5.7	2.7	2.8	6.5	10.1	15.2	18.7	20.0	20.6	20.2	18.8	17.4	15.5	15.2	13.3
27	16.5	16.5	14.4	5.6	5.7	16.5	5.1	25.2	14.5	11.6	21.5	6.9	5.1	6.4	13.8	18.7	18.8	19.3	19.3	18.3	17.0	15.2	16.1	16.0	14.3
28	15.6	15.1	13.8	11.4	14.1	14.4	13.6	11.8	11.5	9.2	8.2	7.3	8.7	11.8	14.0	18.2	20.7	22.4	20.7	17.0	14.2	13.0	13.3	13.5	13.9
29	14.8	15.3	14.9	15.9	15.5	14.3	11.1	10.1	11.0	10.5	11.1	8.6	7.9	10.7	13.8	17.0	18.8	20.2	19.5	20.2	20.9	19.7	17.0	14.9	14.7
30	15.6	15.6	14.7	14.9	14.7	13.5	13.1	13.6	13.3	12.2	11.1	10.3	8.4	8.6	10.6	13.2	15.9	16.7	16.7	16.4	16.8	15.5	14.0	14.3	13.7
31	15.2	13.3	13.8	15.0	14.5	13.9	12.5	10.9	11.0	9.7	7.4	6.4	7.4	8.6	9.9	11.5	15.0	16.5	17.8	18.4	19.3	17.5	16.7	15.7	13.3
Mean	14.6	13.9	14.3	13.3	12.9	14.5	14.4	14.7	14.2	12.5	12.0	10.2	9.1	10.4	13.2	16.7	19.2	20.6	20.7	19.3	17.6	16.0	14.5	14.4	14.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 19. Agincourt. (Z) 56,000 γ + May, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	220	221	219	217	216	216	213	212	212	216	216	216	212	207	205	203	201	206	210	217	222	222	219	220	214
2 Q	219	222	224	222	223	222	217	217	219	219	216	213	213	212	212	213	215	213	213	219	222	222	224	219	217
3 Q	217	218	217	217	217	217	216	214	214	214	217	214	214	214	213	211	217	220	223	225	224	225	225	225	218
4	224	223	220	208	214	213	217	214	212	214	217	220	217	214	215	214	220	220	219	223	223	225	224	225	218
5	221	224	225	215	210	220	226	224	207	196	217	213	214	208	208	205	207	211	220	226	229	238	244	255	220
6 D	279	308	230	227	225	201	205	230	231	207	182	154	156	189	205	208	220	225	234	236	243	267	271	267	225
7	249	259	214	202	214	143	86	158	181	211	217	187	181	201	207	213	224	226	230	229	228	230	240	237	207
8 D	237	241	224	212	165	142	83	129	210	215	209	207	212	209	211	212	218	225	235	238	232	242	235	244	208
9	237	221	228	224	219	165	156	178	194	204	208	201	212	209	215	215	225	228	235	236	236	243	250	241	216
10	233	229	224	214	212	209	212	206	198	186	196	212	215	218	218	221	224	218	218	218	224	222	224	224	216
11	221	218	217	219	218	215	209	212	202	200	209	211	207	208	208	209	214	215	215	221	223	221	219	218	214
12 Q	219	219	218	215	218	217	214	216	218	218	219	218	215	213	209	209	212	215	215	218	221	224	225	221	223
13 Q	222	219	220	219	219	219	219	216	216	220	221	219	215	209	206	209	209	209	210	215	216	219	217	219	216
14 Q	219	216	216	219	219	217	216	214	214	215	216	216	216	210	214	212	215	215	216	219	220	216	219	220	216
15 D	218	216	216	217	215	216	213	204	204	215	215	215	210	207	203	204	210	228	257	322	417	286	366	281	240
16 D	263	256	136	135	99	55	60	97	114	134	98	88	101	168	210	219	239	262	324	317	287	364	363	366	198
17	380	377	212	278	233	210	228	235	240	240	238	233	236	235	236	237	231	233	233	233	250	250	256	257	250
18	257	249	232	216	207	219	164	169	195	190	186	210	219	216	221	219	216	221	225	231	249	269	281	269	222
19 D	274	250	251	193	184	179	203	177	183	189	160	185	216	222	222	219	220	227	237	246	251	278	269	275	222
20	265	238	222	202	215	222	215	193	166	208	225	225	227	226	225	220	227	227	229	240	252	255	251	244	226
21	234	239	235	229	220	210	202	217	220	230	232	229	234	229	223	217	223	231	235	240	246	246	244	243	230
22	239	238	233	198	198	211	211	225	228	228	228	227	220	214	217	211	219	221	229	254	267	259	246	240	227
23	238	237	233	228	229	228	226	222	208	200	214	224	226	221	221	210	216	225	227	230	233	231	232	232	225
24	228	228	227	228	226	223	227	224	226	228	229	226	223	221	220	226	230	228	231	234	240	240	236	235	228
25	231	230	229	227	227	226	220	220	228	230	230	228	223	220	220	220	218	222	222	223	226	228	234	238	226
26	233	228	228	223	222	223	223	223	218	217	216	219	219	220	220	217	217	220	227	228	229	227	229	225	223
27	221	223	225	205	187	148	128	81	110	93	119	167	200	208	211	220	229	230	235	234	234	240	238	236	192
28	234	232	226	198	224	225	225	227	226	223	226	222	217	217	217	217	211	211	220	231	237	234	232	228	223
29	226	224	226	226	223	223	220	221	226	226	228	228	223	220	216	207	211	211	216	214	217	221	226	226	221
30	234	229	228	227	226	220	221	221	223	223	222	220	217	216	217	217	225	220	218	218	220	225	228	231	223
31	228	224	227	224	224	222	221	217	222	221	221	217	215	206	206	206	205	211	222	230	243	247	241	238	222
Mean	239	237	222	216	211	202	197	200	205	207	208	209	211	213	215	214	218	222	228	234	241	243	246	242	220

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 20 Agincourt — May 1953

Day	Horizontal Force						Declination							Vertical Force					
	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	44	510	15	5	447	63	18	55	21.5	13	2	9.3	12.2	23	40	223	15	0	199	24
2	0	52	508	15	15	455	53	19	15	21.9	13	42	6.9	15.0	2	35	227	14	5	211	16
3	22	11	502	14	32	464	38	18	30	21.0	13	0	8.4	12.6	19	2	227	14	30	211	16
4	21	12	521	9	17	474	47	9	20	20.5	13	0	9.6	10.9	23	18	228	3	22	205	23
5	21	22	549	4	36	468	81	18	26	23.9	3	48	-0.5	24.4	23	58	263	9	23	183	80
6	1	47	562	11	0	389	173	11	10	29.5	23	20	-7.0	36.5	1	48	368	12	9	135	233
7	22	4	526	6	3	390	136	6	3	42.2	2	42	-0.1	42.3	1	41	267	6	4	24	243
8	20	41	528	6	53	409	119	6	54	32.4	1	52	-13.1	45.5	1	43	251	6	55	41	210
9	22	28	540	15	20	424	116	6	2	28.4	0	48	-2.7	31.1	22	27	259	6	12	120	139
10	20	22	548	14	20	460	88	17	4	23.3	11	22	7.4	15.9	0	1	238	9	40	184	54
11	20	25	510	14	13	466	44	17	22	20.4	1	39	4.1	16.3	0	55	224	9	7	185	39
12	19	28	515	16	4	468	47	5	41	20.4	12	5	6.6	13.8	22	20	225	14	45	206	19
13	22	10	511	16	10	468	43	18	5	19.7	13	28	7.3	12.4	0	7	223	13	46	203	20
14	19	42	532	15	31	469	63	18	30	20.6	12	6	7.8	12.8	22	15	225	13	21	210	15
15	20	26	774	15	6	408	366	18	51	33.0	20	29	-10.1	43.1	20	19	538	14	38	194	344
16	21	15	775	5	28	236	539	10	39	41.7	21	32	-18.5	60.2	21	14	508	5	27	-52	560
17	1	5	632	2	10	365	267	2	27	47.1	2	10	-16.8	63.9	0	48	481	2	18	-4	485
18	21	35	527	7	17	417	110	10	8	23.8	12	40	6.9	16.9	22	40	297	5	58	133	164
19	21	32	554	10	19	403	151	8	7	32.4	0	46	0.5	31.9	0	22	305	11	0	139	166
20	19	57	521	15	53	450	71	18	28	24.6	11	33	5.2	19.4	0	22	278	8	10	142	136
21	20	6	517	15	0	450	67	17	49	24.3	11	4	9.2	15.1	21	3	251	6	36	193	58
22	19	24	536	14	47	452	84	19	52	26.6	11	5	9.1	17.5	20	16	273	4	2	173	100
23	20	20	541	14	54	453	88	9	2	23.8	11	35	7.0	16.8	1	0	240	9	13	195	45
24	21	40	518	16	30	466	52	19	8	25.2	12	30	4.6	20.6	20	49	243	14	26	220	23
25	21	12	537	14	18	476	61	17	33	21.2	11	37	7.0	14.2	22	3	239	19	2	216	23
26	20	25	558	16	12	481	77	19	39	21.0	12	8	1.7	19.3	0	4	234	10	40	214	20
27	2	25	532	7	50	244	288	7	52	38.9	6	29	-0.4	39.3	21	30	244	7	28	20	224
28	20	33	536	13	5	468	68	17	27	24.0	11	40	6.7	17.3	20	33	240	3	22	175	65
29	22	54	515	13	50	466	49	20	10	21.3	12	13	7.4	13.9	23	11	232	15	50	205	27
30	21	35	523	14	20	471	52	17	44	17.6	13	37	8.4	9.2	0	30	234	14	52	212	22
31	20	8	533	15	49	463	70	20	34	21.2	11	38	5.7	15.5	20	47	250	15	45	199	51
Mean			548			433	115			26.2			2.5	23.7			275			158	117
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, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	497	494	489	484	487	493	489	491	490	486	490	489	484	480	476	478	471	478	489	499	505	511	501	511	490
2 D	512	520	522	488	487	499	531	439	414	418	414	473	494	475	479	496	477	498	502	524	522	495	511	501	487
3 D	491	490	470	481	463	467	454	391	498	495	484	481	482	465	465	478	474	466	476	489	486	502	507	509	478
4 D	499	494	491	473	478	470	463	480	494	485	472	489	485	476	469	469	464	466	480	496	511	501	499	504	484
5	498	491	493	496	474	500	487	481	495	484	486	489	487	481	476	474	480	489	511	506	520	515	514	512	493
6	503	487	485	506	486	476	479	497	495	494	491	478	485	473	467	461	478	489	499	506	509	505	511	507	490
7	506	502	504	496	501	499	504	499	489	485	489	489	485	480	471	464	473	491	504	516	518	514	502	502	495
8	502	499	499	497	501	502	502	506	505	502	504	499	494	484	476	470	468	487	502	510	514	520	509	507	498
9	506	507	505	497	504	504	506	511	509	505	504	507	503	492	487	478	475	481	495	504	512	515	509	505	501
10	505	509	507	502	509	495	484	478	491	499	499	495	489	481	475	476	476	485	509	528	537	527	524	517	500
11	507	507	503	498	497	494	491	496	501	499	496	491	492	486	476	473	480	491	492	507	517	515	501	498	496
12	502	507	507	506	510	515	516	508	509	502	502	503	496	499	489	481	490	506	509	510	546	537	496	494	506
13	501	504	475	464	487	496	495	498	494	494	491	489	479	479	480	480	481	486	502	507	502	508	520	512	493
14	509	496	495	490	504	494	492	487	495	496	497	497	484	473	469	471	490	504	512	514	518	512	509	504	496
15	502	500	499	501	502	494	494	498	499	497	499	495	488	480	479	485	492	509	523	522	525	513	503	499	500
16 Q	502	502	502	502	502	499	502	498	495	494	494	499	495	491	489	487	491	499	501	512	525	528	525	523	503
17	522	509	512	510	507	503	504	505	506	509	509	501	489	476	482	483	488	502	507	515	527	526	523	514	506
18	504	502	499	492	497	499	499	495	499	499	497	494	490	482	476	469	470	486	504	515	538	529	530	517	499
19 Q	509	507	509	512	508	507	504	511	508	504	501	502	502	499	499	494	495	497	507	517	522	527	520	517	507
20	505	503	509	511	506	512	512	518	517	517	515	502	501	478	480	504	517	520	527	529	524	551	512	494	511
21	494	496	499	494	496	489	489	495	495	491	497	492	487	485	477	472	481	494	509	501	509	516	494	495	493
22	496	502	499	499	499	498	496	490	491	489	494	480	479	473	481	492	495	497	499	521	523	520	507	507	497
23 Q	507	504	494	494	491	489	491	492	489	489	491	487	484	476	477	487	494	504	507	517	527	521	503	503	496
24	502	499	507	502	487	482	489	492	493	494	492	495	492	486	478	477	490	506	522	520	527	534	519	506	499
25	512	499	499	495	497	489	487	484	485	486	490	491	492	492	489	498	509	509	514	520	522	512	504	502	499
26 Q	503	502	501	502	501	499	499	499	499	499	501	499	499	495	486	477	478	498	511	518	514	511	505	512	501
27 Q	505	502	501	503	503	499	496	496	494	495	496	494	487	481	474	473	480	492	499	514	527	520	517	511	498
28	502	502	502	505	499	502	502	502	501	499	501	499	494	494	490	487	494	501	509	528	537	525	520	528	505
29 D	528	534	532	527	520	522	525	534	530	481	492	512	517	468	492	504	477	498	499	510	551	535	511	510	513
30 D	494	450	465	489	504	509	462	475	481	454	496	486	480	482	474	461	440	456	492	506	507	506	514	504	483
31																									
Mean	504	501	499	497	497	496	495	491	495	491	493	493	490	482	479	480	482	493	504	513	521	518	511	508	497

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 22. Agincourt. (D.) West 7°+ . . . ′ June, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	16.1	16.1	14.5	13.3	14.3	14.2	13.4	15.5	13.8	11.9	10.4	9.3	8.4	8.5	10.3	10.9	14.3	17.9	19.8	20.3	19.3	18.2	17.7	15.9	14.4
2 D	15.3	14.8	14.6	14.6	12.9	11.0	7.0	4.4	-1.0	-3.6	6.6	10.1	3.4	7.1	9.3	15.0	16.6	22.1	18.8	23.4	21.1	19.6	15.5	14.2	12.2
3 D	0.7	7.3	11.8	15.5	18.4	11.0	16.2	31.7	7.1	9.6	9.0	8.7	8.7	12.9	18.6	15.5	16.9	18.4	20.6	20.6	22.0	18.6	16.7	15.1	14.6
4 D	14.9	3.7	8.1	15.0	13.6	13.8	2.7	11.5	12.5	17.5	20.8	13.8	11.5	9.6	9.6	12.9	15.7	17.9	21.0	19.7	18.8	17.8	16.8	16.6	14.0
5	15.5	14.7	13.3	8.7	14.2	17.0	16.1	23.3	13.7	13.8	14.0	11.1	10.5	11.0	13.4	15.0	17.1	19.2	17.9	16.7	14.3	16.9	16.5	16.0	15.0
6	15.5	14.8	12.4	14.7	3.4	13.4	19.1	13.3	13.2	12.9	12.2	12.9	10.6	11.1	12.7	15.6	17.5	18.6	17.5	17.0	16.4	15.8	14.6	14.7	14.2
7	15.5	14.0	13.8	14.1	15.0	14.3	17.9	21.0	19.7	9.3	6.4	5.5	7.0	8.7	12.2	15.8	17.0	19.4	20.6	18.7	16.1	14.6	15.0	14.7	14.5
8	14.2	12.2	15.5	13.3	14.8	15.3	14.2	15.5	14.7	14.0	8.8	7.0	7.0	7.9	11.1	14.0	19.5	22.0	21.6	20.7	19.3	15.7	14.6	13.8	14.5
9	14.7	14.8	14.6	14.6	14.3	13.7	14.3	16.9	15.5	11.9	9.2	6.9	7.8	8.7	10.6	13.4	16.5	19.7	20.8	21.2	20.8	18.6	17.0	15.9	14.7
10	15.4	15.6	14.7	13.3	11.1	11.0	10.1	14.0	18.3	9.4	7.5	6.6	7.0	8.4	9.6	14.1	18.8	21.5	23.4	22.4	21.1	20.2	19.1	17.4	14.5
11	16.5	16.1	11.5	10.6	11.6	13.1	14.5	17.4	12.5	10.2	9.8	11.1	9.2	9.7	12.9	17.0	19.7	20.1	19.7	18.8	17.8	17.9	15.6	15.5	14.5
12	15.8	15.6	15.3	15.2	14.8	13.8	13.3	12.4	12.4	11.5	9.6	5.2	2.7	5.1	8.8	14.7	15.6	16.1	20.1	21.5	21.1	16.5	18.8	16.7	13.8
13	16.1	11.1	12.5	11.0	14.7	17.5	18.4	15.6	20.4	17.9	11.4	8.7	9.4	12.0	12.2	14.6	17.4	21.0	22.5	21.1	19.7	18.4	16.1	15.0	15.6
14	14.0	14.5	13.9	13.5	16.5	13.9	14.3	15.4	13.4	10.6	7.4	6.9	6.6	10.2	12.9	17.1	19.5	22.0	20.8	19.7	18.3	18.2	16.1	15.2	14.6
15	15.2	15.5	15.5	14.3	13.4	15.2	14.5	13.3	12.9	12.0	11.5	10.9	11.3	11.9	13.3	16.2	18.0	18.8	18.3	18.3	17.0	16.6	16.5	15.7	14.8
16 Q	15.7	15.3	15.2	15.1	15.3	14.5	13.9	13.2	11.9	11.6	10.2	8.8	7.9	9.3	11.6	13.6	16.7	18.7	20.3	20.4	18.6	17.4	16.1	15.3	14.5
17	14.9	15.5	14.3	13.3	13.7	12.5	13.3	14.3	15.5	10.5	8.7	7.0	7.8	9.1	12.1	15.1	18.4	18.7	19.6	21.1	20.2	19.7	17.5	14.7	14.5
18	14.8	14.3	13.8	14.3	14.2	13.8	14.3	16.5	14.7	12.9	11.1	10.4	9.3	9.3	9.5	11.9	16.3	18.8	20.3	21.0	19.9	21.0	18.8	17.0	14.9
19 Q	16.5	14.6	12.5	12.8	12.5	13.3	13.3	13.9	11.1	10.6	9.7	10.2	10.4	10.6	10.2	10.3	14.3	17.5	18.6	17.8	17.3	16.5	15.7	15.6	13.5
20	15.1	15.1	15.1	14.3	13.8	14.1	13.3	12.5	11.1	9.7	8.4	10.5	11.6	9.7	14.7	19.3	18.3	17.7	18.8	21.5	20.4	16.8	19.5	16.9	14.9
21	17.0	16.5	16.1	14.2	12.2	10.2	18.8	11.5	10.8	15.2	12.5	8.4	9.5	11.5	13.3	15.1	16.5	18.6	16.7	17.8	17.4	17.4	16.9	16.7	14.6
22	16.5	15.2	15.2	14.9	11.5	12.4	13.9	14.9	16.7	13.7	10.4	8.8	8.7	11.5	13.3	17.0	17.5	19.6	21.4	19.2	17.8	16.8	15.2	15.1	14.9
23 Q	15.4	13.3	14.7	15.1	15.1	15.9	15.1	14.6	13.6	12.4	10.5	8.4	7.4	9.4	12.2	14.7	17.9	19.9	20.2	20.1	19.2	18.5	17.3	16.4	14.9
24	16.3	16.1	15.2	13.7	13.1	13.8	14.6	15.3	14.8	13.3	11.5	10.0	9.3	10.5	12.9	16.5	17.3	19.2	21.0	22.7	20.9	19.2	19.2	18.6	15.6
25	16.1	15.2	16.5	15.8	15.2	16.1	14.2	12.9	10.6	11.3	10.5	9.3	10.2	12.0	13.2	15.4	15.5	16.6	17.5	17.9	17.7	17.7	16.9	15.6	14.5
26 Q	15.4	15.2	14.7	14.7	14.5	14.7	14.2	14.2	13.8	13.0	11.5	10.2	9.2	9.7	11.5	15.1	18.8	20.2	19.2	19.3	18.7	17.9	16.7	15.2	14.9
27 Q	14.9	14.9	15.5	14.9	14.8	13.9	13.3	14.7	13.8	12.0	9.3	6.9	5.7	7.6	10.4	13.9	19.2	23.4	24.7	22.9	20.6	18.6	15.8	15.1	14.9
28	15.5	15.5	15.5	10.6	12.9	13.8	14.5	14.7	13.3	12.3	10.5	8.3	8.4	8.7	9.6	12.7	15.5	19.6	22.5	22.3	19.4	18.8	17.5	15.8	14.5
29 D	15.6	16.0	16.0	13.7	13.3	13.0	12.9	11.5	11.3	19.6	15.2	2.0	0.4	1.9	13.8	10.9	14.3	22.3	20.3	22.5	18.0	18.7	17.8	16.9	14.1
30 D	11.5	-4.9	8.2	7.4	14.2	12.4	9.3	19.3	20.4	27.4	12.9	10.1	7.8	7.1	7.8	13.6	16.5	19.6	18.9	17.5	16.9	15.1	14.7	14.5	13.3
31																									
Mean	14.9	13.6	14.0	13.5	13.6	13.7	13.8	15.2	13.5	12.5	10.5	8.8	8.2	9.4	11.8	14.5	17.1	19.5	20.1	20.1	18.9	17.8	16.7	15.7	14.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 23. Agincourt. (Z) 56,000 γ + June, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	236	235	238	235	231	227	224	215	207	224	228	227	223	217	212	206	212	213	218	225	229	232	229	227	224
2 D	224	228	236	266	242	219	139	42	45	34	76	153	199	195	201	218	215	215	224	240	277	265	266	259	195
3 D	257	232	235	194	134	182	141	125	168	198	209	218	217	211	215	214	211	215	229	241	247	250	241	238	205
4 D	235	224	218	176	162	113	151	200	212	203	182	185	200	206	213	215	218	222	228	234	238	238	234	230	206
5	231	227	229	218	201	197	185	169	204	209	217	218	217	218	224	222	222	223	228	241	252	247	235	229	219
6	230	229	232	192	174	191	188	215	221	224	221	218	224	222	221	220	224	227	229	233	238	229	230	229	219
7	227	227	215	217	222	221	209	181	170	189	211	217	217	212	211	209	208	209	212	214	218	224	226	224	212
8	226	224	222	217	209	211	217	215	212	217	218	218	218	217	217	215	224	228	222	224	227	225	222	222	219
9	221	221	219	221	221	218	215	206	210	216	217	218	217	216	212	206	215	215	218	218	218	218	217	222	217
10	221	218	218	218	201	182	181	192	180	209	218	219	218	211	209	210	214	215	215	218	229	235	235	233	212
11	231	225	216	213	210	212	216	206	216	219	223	215	213	212	216	216	212	213	218	223	231	235	242	236	220
12	228	222	220	219	218	216	216	218	219	222	221	218	217	213	208	210	207	207	207	222	236	255	247	235	221
13	233	225	223	218	221	218	210	205	206	199	206	218	216	216	216	210	212	219	225	233	233	230	230	234	219
14	239	225	228	220	208	214	210	212	219	223	222	222	218	213	213	210	213	218	219	222	225	226	229	230	220
15	228	226	225	219	212	216	218	219	219	219	221	222	219	212	219	218	216	219	228	233	233	231	231	228	222
16 Q	222	220	219	219	218	219	219	215	216	216	219	218	219	220	219	216	213	216	218	219	225	228	225	223	219
17	223	223	220	218	219	219	219	213	205	211	219	219	217	217	216	210	210	213	214	220	229	234	241	241	220
18	235	232	231	230	226	224	223	222	220	224	226	223	219	220	220	217	213	214	216	218	230	229	226	224	223
19 Q	223	223	221	216	219	217	217	211	213	219	219	218	219	214	211	211	208	214	217	219	223	223	223	223	217
20	221	221	221	221	218	206	218	218	219	220	220	215	207	201	209	200	208	204	212	217	226	254	268	267	220
21	237	226	226	230	220	201	189	198	215	212	212	215	218	218	214	206	207	218	224	232	237	241	235	231	220
22	224	224	222	221	218	208	214	215	208	214	224	218	215	218	221	215	218	218	215	218	224	232	238	234	220
23 Q	228	222	221	222	221	213	222	220	221	222	222	220	222	223	220	221	222	219	216	221	228	234	232	231	223
24	225	219	218	216	210	216	219	220	216	219	221	222	219	218	219	216	212	216	222	229	231	233	226	225	221
25	223	215	219	221	222	225	222	222	224	223	222	221	219	213	220	214	216	216	218	220	225	225	219	219	220
26 Q	217	220	220	217	217	217	217	217	217	220	222	220	216	216	214	217	217	214	211	211	217	224	227	229	218
27 Q	226	223	220	220	217	215	217	220	220	222	222	223	222	217	217	209	213	210	209	212	220	226	232	232	219
28	229	223	223	212	211	217	217	216	217	220	217	217	219	217	214	210	211	212	211	206	202	211	218	221	216
29 D	218	218	218	215	217	217	216	215	206	135	82	106	201	204	197	185	189	212	218	233	243	254	259	245	204
30 D	263	245	198	175	176	157	106	121	97	85	183	212	221	212	213	215	221	217	221	236	243	245	242	238	198
31																									
Mean	229	224	223	216	210	208	202	195	201	202	207	211	216	214	214	212	213	216	219	224	231	234	234	232	216

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 24. Agincourt — June, 1953.

Day	Horizontal Force						Declination						Vertical Force					
	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	48	517	16	45	470	47	20	0	20.8	13	0	7.9	12.9	2	40	238	8	14	204	34
2	20	43	586	8	49	327	259	19	19	27.6	9	43	-17.8	45.4	20	42	304	8	48	-19	323
3	23	43	525	7	24	325	200	7	6	53.5	0	19	-17.3	70.8	0	13	312	7	19	-59	371
4	20	38	527	5	8	448	79	10	3	25.4	1	18	-4.2	29.6	20	36	244	5	55	115	129
5	20	11	538	4	32	458	80	7	2	30.2	4	2	4.3	25.9	19	52	263	7	12	145	118
6	20	10	518	15	12	451	67	6	26	25.1	4	57	1.5	23.6	20	8	240	4	50	156	84
7	20	45	521	14	42	462	59	8	18	25.1	11	55	5.1	20.0	0	10	229	8	27	162	67
8	21	27	525	14	58	453	72	17	40	22.9	12	57	6.5	16.4	20	10	228	4	51	206	22
9	21	15	523	16	38	469	54	20	0	21.6	11	27	6.2	15.4	4	10	222	7	31	203	19
10	20	38	543	14	41	466	77	8	5	29.3	10	45	6.4	22.9	22	59	239	6	21	168	71
11	21	10	525	15	6	468	57	16	38	20.6	12	21	8.4	12.2	23	2	246	7	35	201	45
12	20	58	563	14	34	478	85	21	0	24.2	12	53	1.5	22.7	21	13	263	18	18	196	67
13	19	55	538	3	2	453	85	18	0	24.0	1	25	1.9	22.1	19	53	245	9	28	195	50
14	20	45	530	15	32	463	67	17	37	22.8	10	45	5.6	17.2	0	57	243	4	20	201	42
15	18	52	544	14	36	475	69	17	30	19.6	11	58	10.4	9.2	21	9	236	4	30	206	30
16	21	37	532	14	5	484	48	19	17	21.3	12	49	7.4	13.9	21	25	229	9	20	210	19
17	22	21	543	14	9	461	82	19	23	22.0	11	32	6.5	15.5	22	56	243	8	35	195	48
18	20	43	549	16	18	466	83	21	14	22.0	12	55	8.7	13.3	0	10	237	16	42	211	26
19	22	1	529	15	43	491	38	17	54	19.3	14	5	9.6	9.7	23	0	226	7	50	206	20
20	21	0	566	13	50	456	110	20	26	23.8	10	45	7.4	16.4	22	50	274	5	24	197	77
21	21	10	528	6	0	468	60	6	23	23.8	11	58	7.0	16.8	0	1	247	6	36	177	70
22	20	34	531	13	18	471	60	18	17	22.0	11	43	7.6	14.4	22	40	241	8	18	199	42
23	21	17	541	14	12	473	68	19	45	20.7	12	42	7.3	13.4	21	17	236	18	15	215	21
24	20	58	538	15	10	471	67	19	40	24.6	12	36	9.3	15.3	20	57	235	4	15	208	27
25	20	47	530	8	14	479	51	21	19	18.6	11	23	9.1	9.5	22	32	228	15	50	209	19
26	19	30	522	16	3	473	49	17	26	20.6	13	1	8.6	12.0	23	10	230	19	50	210	20
27	20	25	535	14	46	468	67	18	5	25.6	12	47	5.6	20.0	22	44	233	18	38	206	27
28	20	50	542	15	7	486	56	18	6	23.3	3	30	6.5	16.8	0	2	232	20	7	198	34
29	20	53	606	13	50	422	184	10	0	32.9	12	50	-3.6	36.5	22	22	266	10	13	44	222
30	22	29	532	9	9	389	143	9	11	35.2	1	10	-18.1	53.3	0	56	331	9	13	3	328
31																					
Mean			538			454	84			24.9			3.5	21.4			248			166	82
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 25. Agincourt. (H) 15,000 γ + July, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	500	505	493	482	490	495	504	508	469	437	493	447	480	490	477	479	482	478	481	501	519	517	525	519	490
2 D	507	505	519	489	488	491	483	489	493	495	487	483	482	485	480	475	470	480	491	501	493	503	504	511	492
3	506	501	505	498	496	504	497	495	490	483	494	485	489	490	479	491	490	500	506	508	513	510	506	519	498
4	500	492	493	503	499	503	487	493	495	493	495	465	488	488	476	468	478	483	501	516	521	519	516	505	495
5	501	501	508	498	506	491	475	484	493	485	493	490	484	483	474	466	472	485	502	514	516	518	503	506	493
6	498	505	490	494	498	502	498	493	500	494	498	494	490	475	467	465	474	485	495	506	511	524	513	503	495
7	502	511	493	495	459	459	477	478	486	485	486	483	475	462	446	460	481	498	508	499	511	513	518	520	488
8	487	486	497	498	488	488	483	480	491	485	488	493	499	488	473	458	470	494	513	511	506	493	491	501	490
9	493	486	493	498	503	504	503	505	501	501	497	495	488	476	477	477	488	498	514	516	519	524	509	503	498
10	498	495	491	496	499	496	491	488	493	493	490	490	491	490	483	481	477	489	507	513	516	511	506	506	495
11 Q	507	506	506	501	494	504	505	503	500	500	503	503	504	501	498	493	489	504	513	521	521	517	511	516	505
12	509	509	513	509	506	503	501	498	500	498	501	501	503	504	498	493	493	496	514	524	552	522	488	506	506
13	507	498	498	506	514	511	504	476	466	449	483	485	471	458	457	473	483	501	512	533	529	503	511	504	493
14	503	501	499	495	497	501	501	503	506	509	511	506	502	493	485	482	488	510	513	539	521	524	531	522	506
15	520	509	498	491	495	500	507	508	490	504	508	499	485	478	484	484	490	496	504	522	524	521	511	504	502
16 Q	501	500	498	503	498	499	499	499	497	496	495	495	490	484	478	474	479	494	507	516	515	504	502	504	497
17 Q	501	500	502	500	501	504	504	509	502	493	495	494	492	485	476	469	480	481	521	522	518	521	521	518	501
18 Q	517	503	498	500	501	506	508	507	505	502	501	500	498	493	485	476	484	495	507	510	516	518	514	520	503
19	516	509	500	500	504	511	510	507	506	505	503	503	498	489	481	484	492	506	516	529	522	521	510	510	506
20	512	509	505	491	490	499	510	506	504	502	495	488	489	487	487	489	490	499	501	504	507	510	510	511	500
21 Q	510	506	503	502	505	505	500	490	495	478	485	489	485	486	484	489	499	512	516	515	508	504	495	500	498
22	497	500	500	500	500	500	499	501	500	494	491	489	489	491	488	488	490	500	510	522	537	534	526	516	503
23 D	490	475	472	485	458	474	481	495	476	403	438	477	467	449	448	439	458	479	500	537	519	533	542	512	479
24	506	479	483	480	487	489	486	487	490	495	487	470	484	483	474	467	462	474	499	510	516	516	520	505	490
25	501	499	497	495	498	498	498	494	495	494	493	490	488	484	479	467	458	461	485	510	504	515	511	520	493
26	499	461	468	469	478	486	479	466	457	490	485	488	484	479	469	481	487	494	497	524	561	530	538	537	492
27 D	497	494	499	524	479	432	495	479	464	449	449	469	472	475	458	447	462	470	480	517	534	526	524	513	484
28	491	483	484	484	479	464	498	497	468	505	495	476	477	475	480	472	477	480	495	501	512	512	501	506	488
29 D	498	508	482	478	475	437	493	489	484	480	462	488	468	462	462	447	482	495	502	516	519	529	521	512	487
30	509	493	494	499	506	493	521	485	462	483	478	480	477	496	488	481	469	475	491	500	510	509	519	500	492
31	477	482	495	490	490	495	493	493	503	488	470	495	488	471	477	489	493	498	504	508	516	517	505	501	493
Mean	502	497	496	495	493	492	496	494	490	486	489	487	486	482	476	474	480	491	503	515	519	517	513	511	495

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26. Agincourt. (D.) West 7°+ . . . ′ July, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	11.5	12.8	10.4	13.9	10.6	12.1	13.9	12.2	19.3	34.1	16.6	24.2	18.8	6.4	5.5	10.0	14.2	18.6	20.1	21.2	20.9	18.4	15.6	16.5	15.8
2 D	14.7	12.5	3.5	7.4	12.4	20.6	17.4	7.4	14.6	16.7	15.0	11.0	6.7	7.4	9.0	9.6	14.2	16.5	18.6	21.0	21.1	18.6	12.2	13.8	13.5
3	13.1	12.1	14.3	12.0	10.9	13.3	14.1	22.0	16.9	19.6	15.1	12.5	11.5	10.5	11.1	14.6	16.6	19.5	20.3	19.7	17.8	18.3	17.4	14.9	15.4
4	9.5	10.2	11.9	18.7	16.1	11.9	12.1	21.0	14.7	15.1	12.5	19.6	13.0	9.8	12.4	15.3	17.0	19.7	19.6	18.6	17.5	17.5	16.5	15.9	15.3
5	14.5	12.5	11.8	15.2	15.0	12.1	23.8	14.0	10.5	14.6	11.5	9.7	10.2	9.4	11.9	14.7	16.5	17.9	18.4	17.7	17.4	16.5	16.0	16.0	14.5
6	11.0	9.1	14.8	12.8	13.2	14.5	13.9	19.2	16.9	16.0	13.4	9.6	10.2	11.5	13.7	15.2	17.9	20.1	20.2	18.8	17.8	16.2	15.6	14.3	14.8
7	15.7	15.5	12.9	9.4	6.4	4.3	2.2	9.5	11.5	10.5	9.4	8.4	8.8	8.6	10.8	14.1	17.0	18.4	20.0	21.9	21.0	19.3	16.9	15.6	12.8
8	8.5	13.5	16.0	13.4	11.5	12.9	12.0	17.5	15.6	11.1	9.3	8.7	8.0	8.7	10.9	14.3	19.4	22.5	21.6	22.1	21.6	20.1	17.2	16.1	14.7
9	16.5	14.8	11.8	14.2	15.6	15.5	15.1	14.2	14.3	12.9	9.7	7.9	7.5	9.4	11.5	15.3	19.6	22.2	21.6	22.5	24.6	23.1	21.0	18.5	15.8
10	14.8	11.8	13.6	14.1	14.0	11.8	8.3	12.2	16.9	13.1	10.5	9.0	9.1	9.2	9.9	13.4	17.7	20.3	21.7	20.8	19.3	18.1	17.1	15.8	14.3
11 Q	14.8	14.1	12.7	13.9	13.4	17.0	13.6	14.0	13.0	12.5	12.2	11.4	9.6	9.4	11.5	14.9	17.5	19.4	20.5	20.3	19.5	18.6	18.3	15.4	14.9
12	16.5	15.8	15.8	13.7	13.9	14.4	13.8	13.1	11.8	10.7	9.5	8.4	7.4	7.6	10.3	13.2	15.5	19.1	19.6	20.0	17.8	16.7	18.6	16.4	14.2
13	14.9	14.2	14.4	15.1	14.7	12.7	16.9	5.9	6.8	11.0	6.7	4.9	6.1	7.8	14.1	16.7	19.9	23.2	23.2	20.5	19.4	19.6	18.6	17.5	14.4
14	16.7	15.8	14.8	16.3	16.3	15.8	15.0	14.0	12.7	11.3	9.8	7.9	6.8	7.3	8.4	11.3	15.5	17.6	21.5	19.9	19.9	18.2	18.2	16.7	14.5
15	16.4	13.5	12.6	13.1	14.1	18.9	12.5	13.1	21.9	16.6	9.4	8.2	10.3	15.3	13.9	16.2	19.1	19.8	21.8	19.6	17.5	17.5	17.2	16.8	15.6
16 Q	16.2	15.0	14.7	11.4	13.9	15.4	15.0	16.4	15.2	14.2	12.4	11.0	10.4	11.2	11.9	12.5	16.5	18.6	19.3	18.6	17.6	17.1	15.5	14.5	14.7
17 Q	15.0	15.8	15.9	15.1	13.9	14.7	14.7	18.6	14.6	11.7	6.8	7.7	7.7	8.3	11.1	15.1	19.6	22.1	22.4	21.2	19.6	17.8	16.5	15.6	15.1
18 Q	14.3	11.1	11.9	12.9	12.5	14.5	13.7	13.3	12.9	12.4	9.7	7.4	5.2	6.7	8.0	12.2	15.6	17.5	18.8	19.7	19.3	18.4	16.7	15.5	13.4
19	15.3	15.1	14.8	14.8	13.9	14.3	15.5	13.2	12.8	11.6	11.5	10.6	10.4	10.3	10.2	12.5	15.9	18.4	18.7	17.5	18.4	18.5	18.6	17.8	14.6
20	16.9	15.6	12.5	13.8	14.7	16.0	12.0	12.1	12.2	10.6	8.6	7.8	7.6	8.7	11.1	16.1	19.4	18.5	19.3	19.3	18.9	17.8	16.8	16.1	14.3
21 Q	14.7	15.5	16.1	14.8	13.2	13.8	12.3	14.9	17.5	13.8	10.1	7.4	7.0	8.2	11.0	14.3	16.5	17.0	17.4	16.5	15.5	15.5	15.6	14.7	13.9
22	15.2	15.5	15.0	15.1	14.3	15.5	15.0	14.6	16.0	13.2	10.5	8.4	9.4	11.5	12.5	15.5	18.8	21.2	22.4	20.6	19.5	18.4	17.1	17.8	15.5
23 D	16.8	12.9	9.7	8.4	10.4	12.1	12.9	13.0	7.9	23.9	14.6	3.0	-0.4	8.4	13.4	19.6	25.6	25.6	25.6	23.3	24.8	19.2	17.5	17.0	15.2
24	19.7	19.3	17.1	16.6	16.1	15.6	15.1	14.4	13.8	11.5	9.6	11.7	8.4	5.1	6.8	11.5	17.5	22.8	22.0	21.6	20.6	18.8	16.5	16.1	15.4
25	15.7	16.5	15.6	15.2	14.4	14.7	13.3	14.2	13.7	11.9	10.0	7.9	7.4	7.8	8.7	11.9	15.5	24.2	24.7	23.2	24.1	19.5	17.6	13.9	15.1
26	12.2	10.0	7.6	4.7	3.1	6.2	11.0	8.4	15.9	14.1	8.4	9.4	9.4	10.4	15.1	17.6	18.3	20.9	20.8	22.2	20.5	22.8	18.6	15.5	13.5
27 D	16.7	7.4	12.1	13.2	6.7	11.1	24.7	10.8	32.1	19.6	20.8	12.4	6.9	4.8	7.9	12.4	17.7	19.4	19.4	17.0	17.0	17.8	15.4	11.8	14.8
28	5.2	5.2	0.4	10.7	8.4	18.8	17.4	18.9	32.7	14.8	11.9	13.8	10.6	7.0	7.6	9.6	14.0	19.5	22.9	22.2	22.2	19.3	14.9	15.3	14.4
29 D	5.8	10.4	9.0	11.1	11.3	14.9	17.7	20.3	22.9	23.7	26.2	14.0	10.4	10.0	12.2	19.7	21.0	20.5	23.0	22.4	18.3	16.5	16.4	10.2	16.2
30	7.6	12.9	13.9	10.5	12.1	13.6	17.8	20.7	15.9	20.2	16.5	16.4	15.0	10.2	12.5	14.8	18.2	19.8	20.2	20.1	18.4	14.0	14.9	13.0	15.4
31	13.9	11.9	10.5	11.2	11.1	12.5	17.9	22.3	14.5	13.9	22.0	13.7	10.0	14.8	16.4	15.6	18.5	19.4	19.8	19.2	18.0	16.1	15.9	14.8	15.5
Mean	13.9	13.2	12.5	13.0	12.5	13.9	14.5	14.7	15.7	15.1	12.3	10.5	9.0	9.1	11.0	14.2	17.6	20.0	20.8	20.3	19.6	18.2	16.8	15.5	14.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 27. Agincourt. (Z) 56,000 γ + July, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	235	230	195	182	203	176	162	198	164	100	153	174	174	205	215	212	215	220	226	230	229	233	236	233	200
2 D	234	229	205	182	218	153	134	150	199	206	213	211	211	216	216	213	216	216	224	236	239	242	249	239	211
3	239	232	205	222	208	208	188	182	182	200	206	207	207	212	211	213	216	213	213	219	237	239	234	234	213
4	234	231	228	183	163	165	181	182	198	213	215	195	209	214	213	212	206	212	217	225	228	231	228	225	209
5	229	226	214	222	223	197	123	158	181	194	207	217	209	214	213	215	219	219	225	232	235	242	243	245	213
6	249	323	232	226	217	216	214	211	208	217	222	226	223	216	209	217	220	223	223	223	225	232	234	237	223
7	232	226	229	182	167	173	206	217	229	235	232	226	223	223	223	220	214	217	220	223	226	226	229	240	218
8	255	243	236	227	221	213	202	189	191	214	221	232	231	226	225	217	214	215	221	233	250	257	251	244	226
9	237	233	226	223	221	215	218	221	221	223	224	221	221	215	215	213	207	204	213	226	237	254	261	257	226
10	260	246	241	235	230	220	201	208	221	228	231	231	230	225	219	223	226	222	219	221	226	231	231	231	227
11 Q	231	231	231	226	222	215	219	221	222	226	227	227	225	222	219	211	209	208	208	209	218	224	227	227	221
12	226	225	224	226	226	226	226	226	226	225	225	225	225	225	220	214	209	209	214	213	234	244	236	239	224
13	232	230	226	225	221	212	167	150	166	144	155	193	209	215	215	212	214	218	216	221	235	238	235	228	208
14	225	226	224	225	224	223	223	223	222	224	223	222	220	219	215	210	203	204	203	204	207	217	222	222	218
15	222	227	227	227	191	157	191	210	197	190	203	210	210	210	215	212	210	209	216	227	230	234	233	228	212
16 Q	226	225	225	212	213	217	216	215	215	216	220	220	219	216	210	206	209	214	216	219	217	220	226	227	217
17 Q	227	223	219	219	220	218	218	207	188	205	216	219	218	218	220	217	218	218	218	224	230	231	230	224	218
18 Q	224	224	224	225	220	218	214	217	218	218	217	217	212	210	206	209	204	200	200	206	216	216	218	221	214
19	221	221	223	225	223	218	210	209	215	216	218	221	220	215	209	212	215	211	210	213	218	224	229	225	218
20	224	224	214	224	227	212	204	213	217	218	217	214	218	215	216	213	210	207	209	216	219	224	224	224	217
21 Q	224	222	222	219	216	206	202	205	189	190	201	206	210	209	211	214	214	218	221	218	221	225	228	228	214
22	225	219	219	217	217	219	219	217	209	205	202	206	207	205	206	200	208	215	217	219	220	224	234	243	215
23 D	257	251	232	163	187	207	207	218	188	110	142	181	207	193	189	210	228	245	269	275	281	266	304	287	221
24	260	248	228	224	224	224	222	225	225	225	221	213	206	208	208	208	213	215	216	224	225	225	230	224	222
25	223	221	223	220	220	219	215	220	223	225	223	225	220	218	213	210	215	222	225	231	228	232	231	235	222
26	254	272	243	221	213	209	177	169	143	176	193	205	212	207	207	209	209	209	209	218	236	240	238	242	212
27 D	271	236	230	138	159	78	53	105	53	141	132	154	192	217	214	214	226	223	229	247	249	249	239	236	187
28	235	236	222	200	171	129	170	149	88	154	183	195	210	221	220	211	217	220	229	235	242	252	261	253	205
29 D	242	226	226	136	156	95	121	167	173	185	171	195	207	226	221	227	230	232	236	242	255	252	242	246	204
30	236	236	235	214	196	181	162	143	127	173	200	209	214	221	220	221	226	227	232	242	244	254	254	253	213
31	250	237	198	203	219	220	200	168	201	203	197	210	206	209	207	221	218	213	219	233	233	232	227	230	215
Mean	237	232	223	209	207	194	189	194	190	197	204	210	213	215	213	213	215	216	220	226	232	236	238	236	215

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 28 Agincourt — July 1953

Day	Horizontal Force							Declination							Vertical Force						
	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	30	547	9	16	372	175	9	19	48.8	14	21	3.0	45.8	0	15	295	9	10	29	266
2	2	57	535	16	3	457	78	6	6	35.6	2	13	3.4	32.2	22	35	258	6	6	80	178
3	23	44	532	9	8	462	70	7	50	24.9	12	34	7.4	17.5	0	42	242	8	48	172	70
4	22	23	537	11	46	450	87	3	52	24.6	0	38	6.0	18.6	0	28	242	4	5	142	100
5	21	22	522	6	11	444	78	6	10	36.8	2	10	5.6	31.2	23	59	246	6	18	96	150
6	22	8	533	15	22	459	74	7	40	22.9	0	58	-2.1	25.0	0	50	265	8	32	202	63
7	21	28	543	14	32	432	111	19	13	23.1	6	8	-4.9	28.0	23	59	253	5	7	149	104
8	19	58	527	15	21	455	72	20	56	24.6	0	25	2.9	21.7	0	20	262	7	47	179	83
9	19	4	553	15	44	472	81	20	15	27.8	12	9	6.1	21.7	22	29	267	17	18	198	69
10	21	6	519	16	28	475	44	18	13	22.1	6	16	4.7	17.4	0	48	265	6	56	191	74
11	19	24	524	16	10	485	39	18	13	21.0	13	10	8.7	12.3	2	10	231	18	24	204	27
12	20	55	563	22	54	475	88	19	23	22.0	13	0	5.7	16.3	23	13	248	19	18	204	44
13	20	33	543	9	48	431	112	17	31	24.7	7	44	0.1	24.6	21	53	242	9	53	126	116
14	19	38	565	15	25	472	93	18	27	23.1	14	27	5.1	18.0	23	53	229	18	18	193	36
15	0	5	534	13	5	463	71	5	9	26.5	11	47	6.8	19.7	21	18	238	5	8	126	112
16	20	10	519	15	19	472	47	18	28	19.6	12	58	10.1	9.5	23	17	229	15	5	203	26
17	19	30	525	15	48	467	58	17	28	22.9	10	38	5.6	17.3	21	12	231	8	35	182	49
18	23	2	526	15	20	474	52	20	0	19.8	12	25	4.9	14.9	3	19	229	18	14	198	31
19	19	38	539	14	28	475	64	18	5	19.8	14	32	8.8	11.0	22	16	229	16	53	204	25
20	21	21	521	15	46	480	41	20	10	20.0	12	38	5.7	14.3	21	16	225	6	11	198	27
21	18	35	520	9	20	469	51	8	8	20.3	11	52	6.4	13.9	22	56	231	9	4	178	53
22	21	14	546	15	9	482	64	18	15	23.8	11	35	7.9	15.4	23	51	248	9	47	199	49
23	19	53	583	9	22	320	263	9	23	40.2	3	13	-2.7	42.9	22	20	320	9	23	40	280
24	22	23	542	16	13	457	85	1	1	26.4	14	6	4.6	21.8	0	1	284	17	31	201	83
25	23	53	543	17	57	450	93	18	18	26.6	13	43	6.9	19.7	23	53	246	15	8	206	40
26	20	40	580	8	43	449	131	21	1	25.6	4	22	0.6	25.0	1	9	300	8	14	128	172
27	3	22	565	5	38	318	247	8	32	40.2	3	13	-15.1	55.3	0	48	288	5	40	-46	334
28	20	53	537	8	9	436	101	8	32	37.6	2	10	-10.8	48.4	22	33	273	8	10	58	215
29	21	14	545	5	47	408	137	7	53	31.2	23	59	-14.2	45.4	20	45	270	5	48	50	220
30	6	28	547	8	44	431	116	9	8	24.5	0	1	-14.6	39.1	21	40	264	8	44	101	163
31	21	21	529	10	10	452	77	10	20	26.7	2	4	3.5	23.2	0	10	254	7	24	154	100
Mean			540			446	94			26.9			2.1	24.8			255			147	108
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, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	500	493	498	486	488	491	498	501	498	498	498	494	490	488	483	479	478	481	492	521	517	515	509	501	495
2	495	502	496	472	478	489	498	502	497	489	483	489	489	481	469	469	472	474	483	490	505	506	507	500	489
3	494	493	494	496	500	497	488	495	497	495	495	494	491	478	470	466	469	482	489	496	506	521	514	508	493
4	505	497	474	483	493	505	504	505	500	496	500	498	490	484	468	459	487	492	494	501	505	514	509	503	494
5	505	494	494	500	500	500	501	499	505	508	500	495	488	484	476	473	479	489	502	505	500	510	510	510	497
6	513	514	510	510	509	509	510	509	505	494	501	501	492	487	478	473	481	503	514	520	532	516	507	506	504
7	508	502	500	500	493	500	505	507	502	496	496	495	492	484	479	478	482	487	497	510	518	516	515	501	498
8	504	498	500	500	505	508	500	505	501	496	499	495	489	478	463	470	480	493	497	501	510	511	514	509	497
9	509	506	490	492	472	497	492	503	505	504	508	506	489	466	489	494	496	507	513	534	536	518	516	516	503
10	510	511	501	497	492	499	500	505	468	493	492	486	490	479	461	460	463	479	505	517	533	531	534	514	496
11	485	486	479	448	454	467	473	469	468	459	459	469	477	483	475	470	466	478	495	510	525	514	504	487	479
12 D	476	475	453	427	409	448	422	422	409	393	417	456	462	461	437	422	464	480	505	519	520	511	523	523	460
13	514	511	514	497	488	490	490	491	495	489	489	485	477	469	468	489	495	510	516	531	515	521	503	503	498
14	489	495	489	495	505	490	500	500	499	495	489	491	484	474	462	459	465	475	488	500	504	509	518	514	491
15	514	504	502	505	505	501	500	497	503	494	494	488	484	473	463	462	464	479	487	505	510	514	509	514	494
16	494	494	500	498	490	491	494	499	496	486	486	484	479	467	454	458	461	474	493	500	516	520	502	501	489
17 Q	500	501	502	495	497	498	500	500	500	499	499	495	480	463	457	458	476	490	501	504	508	507	506	506	493
18	506	503	500	495	501	506	505	503	500	497	497	495	493	485	478	477	483	490	501	506	513	520	513	511	499
19 Q	513	509	509	503	500	501	504	503	502	501	500	496	485	475	470	472	486	495	511	517	520	517	510	504	500
20 Q	501	502	504	503	504	501	503	501	500	500	503	501	489	478	470	470	480	493	510	514	513	511	517	513	499
21 Q	514	517	515	510	505	504	506	503	506	506	502	502	491	477	470	473	488	503	511	511	510	508	508	511	502
22 Q	512	512	511	513	509	503	508	506	503	498	497	501	493	485	474	472	485	501	510	517	520	513	508	508	503
23 D	522	527	523	512	509	513	514	507	490	495	490	472	482	472	458	431	444	477	500	531	513	562	534	497	499
24 D	480	475	475	445	433	452	459	488	483	483	486	483	443	452	470	462	439	475	503	508	533	496	516	510	477
25	472	478	488	500	475	475	450	502	450	436	483	475	468	463	449	468	470	484	495	508	516	503	492	494	479
26	488	500	490	491	501	478	496	483	488	498	498	493	476	455	469	468	472	485	495	513	519	497	488	481	489
27 D	485	485	474	475	490	457	493	488	467	465	475	450	468	473	455	444	467	476	474	508	517	508	493	493	478
28	485	490	493	475	487	458	490	487	497	474	484	471	484	474	468	436	462	486	495	503	510	503	510	503	485
29	508	502	487	507	496	467	421	450	457	476	451	485	492	465	447	452	457	472	495	506	501	501	501	501	480
30 D	486	515	475	470	477	475	400	436	424	465	483	495	485	473	443	431	467	475	488	488	500	495	501	487	472
31	488	486	491	490	477	481	493	491	480	493	493	493	465	444	450	469	467	472	477	491	493	506	489	483	482
Mean	499	499	494	490	488	489	488	492	487	486	489	488	483	473	465	463	472	486	498	509	514	513	509	504	491

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30. Agincourt. (D.) West 7°+ . . . ′ August, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	14.6	9.2	7.1	9.4	12.7	14.3	15.5	15.6	18.3	17.2	11.7	10.1	9.6	11.1	12.9	16.5	19.1	23.1	22.6	21.5	20.0	13.6	15.1	14.8	14.8
2	13.2	13.1	10.5	4.1	11.4	14.0	15.2	17.5	13.0	13.9	16.9	9.4	6.5	5.9	10.0	14.7	19.5	21.5	21.8	20.0	16.7	16.3	15.2	13.9	13.9
3	11.3	14.5	14.5	14.8	16.5	15.2	17.7	13.6	14.9	13.2	11.3	10.0	9.4	10.0	12.4	15.7	18.4	19.4	20.6	20.6	18.6	17.1	15.8	15.4	15.0
4	15.5	13.2	8.3	12.5	14.7	15.1	15.8	16.5	13.0	12.0	9.6	8.5	8.1	8.0	11.5	16.9	19.9	21.5	20.3	20.3	19.3	17.8	16.8	16.3	14.6
5	15.1	15.1	15.8	15.7	13.8	14.1	14.2	14.0	19.0	12.7	8.5	8.5	6.7	8.7	10.8	13.5	16.9	18.8	19.4	19.9	20.4	18.2	17.3	16.7	14.7
6	16.5	15.9	15.5	15.5	15.1	14.5	13.5	12.8	12.0	9.4	8.3	6.8	7.2	9.4	12.0	13.9	19.1	21.6	20.8	20.0	17.8	18.3	16.5	15.8	14.5
7	15.2	13.8	5.1	12.5	13.2	14.5	15.4	15.0	15.1	17.1	17.4	8.4	7.9	9.3	13.2	18.2	21.3	22.7	24.4	23.4	21.3	18.5	17.4	12.0	15.5
8	8.9	14.5	14.2	13.9	15.5	13.9	15.2	17.5	12.8	12.4	9.6	9.0	8.6	8.4	10.6	14.4	19.7	21.7	21.7	20.3	18.1	16.2	15.3	14.6	14.5
9	13.0	8.2	13.9	10.9	11.1	5.4	12.3	13.0	11.9	9.8	7.8	5.1	7.2	8.2	13.5	16.0	19.3	23.5	22.9	21.6	21.8	20.7	19.1	16.1	13.8
10	16.0	15.0	14.7	12.5	9.4	9.4	13.8	21.7	23.5	6.7	8.4	10.9	5.6	7.6	12.2	17.2	21.2	23.2	25.1	25.9	22.1	19.6	9.1	15.3	15.3
11	7.8	10.4	13.6	1.3	12.1	10.1	10.0	14.5	12.1	10.8	6.0	5.1	3.8	5.8	11.2	17.7	22.0	23.3	20.6	19.3	16.8	16.5	17.4	17.5	12.7
12 D	15.0	11.5	10.6	6.6	7.6	10.3	14.6	15.2	20.3	16.8	22.0	12.9	3.7	3.0	9.8	23.5	25.1	28.9	26.3	23.9	22.0	18.4	15.7	16.5	15.8
13	17.7	12.4	12.3	16.4	11.4	15.8	16.8	14.5	8.7	10.0	8.8	7.7	6.8	6.6	9.1	14.9	18.6	23.4	23.6	21.2	21.9	15.5	16.8	15.3	14.5
14	13.2	9.3	11.0	16.6	18.6	12.8	15.8	15.6	15.0	14.2	14.7	10.8	5.9	5.8	8.7	12.9	17.6	21.1	21.7	21.0	19.5	17.5	16.0	15.5	14.6
15	15.9	15.8	16.0	15.9	14.8	14.8	14.4	13.7	12.9	11.1	10.4	8.4	8.6	8.7	11.3	15.8	19.4	22.4	24.9	25.6	20.9	19.3	18.9	17.0	15.7
16	13.9	16.3	16.6	13.3	12.0	13.5	14.9	14.7	13.8	16.6	17.2	7.8	6.5	6.7	10.0	15.6	19.6	22.2	22.6	23.1	20.8	18.6	16.7	15.4	15.4
17 Q	15.1	14.3	13.9	14.8	15.0	14.6	14.4	14.0	13.9	13.1	12.1	10.3	8.6	11.1	12.4	15.8	21.0	23.7	23.0	22.4	20.1	17.9	16.1	15.5	15.5
18	15.5	12.8	8.5	12.7	14.7	15.2	15.2	13.5	13.1	12.1	11.0	9.3	7.6	7.4	9.7	13.9	18.3	20.2	21.2	20.7	18.6	16.4	15.0	14.6	14.1
19 Q	15.9	16.5	15.2	14.2	12.8	13.3	14.3	14.1	12.6	11.8	11.0	9.2	8.4	9.0	11.8	16.9	20.8	21.9	20.6	18.6	17.0	15.8	15.5	15.5	14.7
20 Q	15.7	15.5	15.8	15.2	15.1	14.4	14.1	14.2	13.3	12.8	11.8	10.5	9.7	9.3	12.4	17.0	20.0	21.6	21.7	20.6	18.5	17.1	15.7	15.7	15.3
21 Q	16.0	15.5	14.8	15.0	13.6	14.7	14.3	13.4	12.8	12.1	11.5	9.7	7.5	9.0	13.6	18.8	22.5	22.9	21.1	18.6	16.6	15.5	15.2	14.9	15.0
22 Q	15.5	15.4	14.7	14.6	14.3	10.9	13.7	12.7	12.8	10.0	8.7	9.4	7.9	9.3	13.9	18.9	22.0	22.0	21.6	19.5	17.0	15.5	15.2	14.8	14.6
23 D	14.4	16.4	18.4	18.9	13.6	14.3	13.5	12.0	13.7	9.7	5.6	13.4	9.4	7.4	14.7	20.8	29.0	31.1	30.7	25.3	31.1	21.2	7.5	7.3	16.6
24 D	6.4	-3.7	2.7	4.6	0.1	27.6	27.5	22.4	17.2	12.1	10.6	10.6	18.0	17.0	15.3	18.3	23.7	23.0	24.6	20.6	17.0	15.3	13.6	-11.8	13.8
25	15.4	14.8	13.4	21.0	13.7	13.5	37.1	20.8	30.2	35.2	14.9	8.8	14.0	17.9	17.0	20.1	22.5	23.1	23.0	19.9	15.2	13.7	15.2	8.6	18.7
26	5.7	10.5	15.0	10.1	12.9	15.5	14.9	21.7	21.6	13.4	10.1	8.8	10.9	15.6	15.1	19.1	22.0	24.1	23.1	24.1	21.9	17.4	13.3	15.5	15.9
27 D	10.6	3.6	4.4	11.6	15.4	24.9	17.9	17.2	23.1	28.3	19.5	17.5	19.6	14.5	15.5	18.2	24.7	19.0	22.7	22.2	17.9	17.8	13.4	6.4	16.9
28	9.6	5.5	9.7	11.1	18.4	21.2	15.5	24.4	18.3	20.1	18.3	17.9	13.2	10.4	11.5	17.1	17.0	20.0	21.5	20.3	18.5	15.5	14.5	4.3	15.5
29	11.0	14.5	12.5	9.0	13.6	5.1	13.8	27.4	21.1	21.6	25.5	9.8	7.3	13.1	16.5	18.4	22.2	23.4	20.6	21.3	17.1	15.2	15.8	15.5	16.3
30 D	9.4	5.7	4.9	10.1	21.9	19.7	12.8	20.4	27.6	26.7	14.7	7.3	6.4	10.0	14.6	23.7	19.8	21.0	21.7	21.8	18.8	18.0	11.5	9.2	15.7
31	12.7	13.0	10.8	9.0	10.0	22.0	21.3	12.6	17.9	15.8	12.8	9.7	14.3	21.6	26.3	23.8	20.6	24.3	22.7	20.7	17.1	17.0	16.7	12.5	16.9
Mean	13.3	12.2	12.1	12.4	13.4	14.6	16.0	16.4	16.3	14.8	12.5	9.7	8.9	9.8	12.9	17.4	20.7	22.6	22.6	21.5	19.4	17.2	15.3	13.1	15.2

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 31. Agincourt. (Z) 56,000 γ + August, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	231	230	214	200	215	223	224	215	209	207	213	221	224	225	227	221	221	220	224	226	234	243	232	231	222
2	228	225	215	208	217	221	223	220	218	217	214	219	217	216	218	221	222	223	227	234	240	238	238	234	223
3	233	230	226	221	218	211	187	198	215	224	226	226	227	228	227	225	226	226	228	234	235	237	233	230	224
4	227	228	230	227	227	220	209	212	218	224	226	225	225	224	224	222	221	224	228	234	238	240	234	229	225
5	229	232	228	225	224	222	220	219	212	207	220	224	224	224	223	222	228	232	233	229	229	234	233	232	225
6	228	226	223	222	222	222	222	222	221	220	222	222	222	219	219	221	222	221	216	221	227	222	223	223	222
7	223	225	215	215	215	220	220	213	215	205	198	213	219	221	219	212	208	212	219	219	224	229	231	234	218
8	225	226	225	222	211	203	215	212	215	219	221	222	218	220	222	219	219	219	219	222	227	232	234	233	221
9	234	213	216	206	180	171	188	225	225	225	225	221	216	216	217	212	209	209	206	214	226	234	234	229	215
10	223	223	227	225	220	217	222	193	117	180	209	199	201	204	210	216	216	219	229	240	247	257	275	267	218
11	276	258	247	206	170	197	206	216	213	214	211	214	209	213	221	228	235	235	242	255	260	264	271	276	230
12 D	269	275	234	193	180	115	81	83	82	110	122	165	195	213	211	218	242	235	235	239	247	252	245	258	196
13	284	311	311	278	252	243	242	245	240	235	230	228	225	220	220	216	213	217	222	236	246	263	249	241	245
14	241	228	223	200	177	211	215	218	223	224	224	223	221	220	218	219	218	223	230	234	235	234	234	230	222
15	228	224	224	223	220	221	223	217	212	223	224	223	223	222	223	228	228	228	230	236	247	244	235	231	227
16	236	231	228	225	224	224	229	229	226	212	199	211	221	224	225	225	228	226	230	234	237	242	238	235	227
17 Q	232	230	230	230	228	227	225	225	225	225	225	225	224	226	225	220	224	226	225	229	231	232	235	231	227
18	229	228	220	224	226	223	222	225	225	226	226	225	221	218	218	218	220	218	220	226	229	231	231	229	224
19 Q	226	229	224	227	224	224	228	229	226	225	224	222	224	224	221	217	216	219	221	225	226	229	224	224	224
20 Q	223	225	224	226	226	226	224	224	225	225	225	226	225	225	221	220	219	219	221	224	226	227	228	225	224
21 Q	225	225	224	221	222	224	222	225	224	224	225	225	222	221	216	214	220	222	227	230	233	233	230	226	224
22 Q	224	222	222	221	220	215	220	221	218	219	223	225	222	217	213	209	219	224	225	230	230	230	227	227	222
23 D	229	227	233	250	250	233	233	227	224	212	200	180	189	212	222	225	229	237	245	266	289	324	392	330	244
24 D	318	231	194	131	124	105	104	168	177	219	234	233	200	221	224	213	214	248	238	256	262	260	268	308	214
25	251	243	225	157	172	174	108	157	145	96	161	192	200	201	219	219	221	228	240	243	246	245	243	244	201
26	234	223	231	220	172	178	199	203	202	223	228	226	219	218	221	219	216	225	237	243	254	274	268	257	224
27 D	246	209	148	116	175	131	152	163	169	149	155	182	178	187	198	211	220	239	257	275	257	244	252	256	199
28	254	211	192	190	143	105	164	166	178	178	192	196	210	223	230	234	250	243	240	239	239	249	255	254	210
29	235	235	234	199	156	103	46	87	117	153	126	180	199	208	224	224	223	224	231	241	258	255	238	245	193
30 D	239	176	202	214	155	114	45	64	104	151	180	214	226	227	223	235	238	235	235	241	244	247	256	250	196
31	244	235	188	199	196	165	169	170	170	169	215	218	206	214	211	225	229	227	232	238	245	244	241	246	212
Mean	239	230	221	210	202	192	189	197	197	201	207	214	214	217	220	220	223	225	229	236	241	244	246	244	219

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 32 Agincourt — August 1953

Day	Horizontal Force						Declination							Vertical Force						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	7° Maximum West +			7° Minimum West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	21	36	559	18	10	469	90	17	50	25.6	2	22	-0.9	26.5	21	32	260	3	17	190	70
2	20	20	518	15	35	460	58	18	23	22.9	3	29	-0.7	23.6	20	22	243	3	47	203	40
3	21	20	527	15	35	461	66	18	50	21.8	0	26	8.5	13.3	19	17	238	6	59	182	56
4	21	26	525	15	30	453	72	17	32	22.5	2	37	6.2	16.3	21	23	244	6	12	204	40
5	21	59	521	15	5	469	52	20	29	21.6	12	48	6.6	15.0	21	57	238	9	20	201	37
6	20	55	549	15	15	463	86	16	50	22.0	11	37	6.2	15.8	20	55	234	14	25	215	19
7	22	0	523	14	28	471	52	9	58	25.6	2	30	-3.4	29.0	23	50	238	10	15	192	46
8	22	28	525	15	5	459	66	17	30	21.9	0	1	4.7	17.2	22	26	239	5	7	194	45
9	19	57	556	13	6	451	105	17	52	24.5	5	24	-8.2	32.7	1	6	241	5	5	157	84
10	22	8	550	8	31	454	96	8	0	38.4	22	23	2.3	36.1	22	17	288	5	11	80	208
11	19	51	531	3	32	430	101	17	38	25.6	0	36	-8.2	33.8	0	30	328	4	19	151	177
12	5	50	548	9	6	320	228	9	0	38.8	12	44	-1.7	40.5	1	51	293	9	5	10	283
13	19	52	576	14	33	451	125	18	3	26.2	1	40	4.7	21.5	2	31	330	16	43	213	117
14	22	11	529	15	48	453	76	4	19	23.3	1	10	-2.3	25.6	1	8	246	4	13	158	88
15	20	58	525	15	49	450	75	19	28	26.8	11	42	7.2	19.6	20	38	254	8	6	207	47
16	20	30	530	14	31	448	82	10	24	23.7	11	50	5.0	18.7	21	51	243	9	44	188	55
17	20	44	511	14	59	453	58	17	38	24.0	12	42	7.7	16.3	0	10	235	15	0	220	15
18	21	32	529	14	45	474	55	19	8	21.2	2	42	4.2	17.0	21	30	232	2	14	214	18
19	20	13	521	14	2	464	57	17	30	22.4	13	9	6.4	16.0	3	35	229	16	2	213	16
20	22	33	519	15	37	465	54	17	15	22.1	13	19	8.7	13.4	22	20	229	17	23	217	12
21	2	8	519	14	44	466	53	17	15	23.8	12	31	7.4	16.4	21	26	233	15	10	212	21
22	20	8	521	15	40	467	54	16	50	22.6	5	19	7.4	15.2	19	40	232	15	6	209	23
23	21	58	583	15	32	419	164	18	47	37.1	22	55	-14.2	51.3	22	40	439	11	11	160	279
24	20	18	573	4	6	358	215	6	0	37.9	23	6	-40.3	78.2	23	2	398	4	7	9	389
25	3	31	529	9	20	390	139	6	15	44.3	5	15	4.3	40.0	0	15	268	9	24	72	196
26	20	17	539	13	23	443	96	8	2	32.4	0	52	-5.7	38.1	22	14	278	4	37	158	120
27	21	16	542	3	37	393	149	5	42	43.2	3	0	-12.1	55.3	19	54	287	3	32	13	274
28	20	18	526	15	36	408	118	6	32	32.7	1	17	-10.6	43.3	23	13	276	5	27	69	207
29	20	5	545	6	18	359	186	10	28	34.7	3	21	-7.5	42.2	20	40	280	6	30	9	271
30	1	37	557	6	28	333	224	5	2	36.6	1	23	-13.6	50.2	22	25	264	6	30	45	309
31	21	33	534	13	5	421	113	14	10	28.5	2	11	-1.8	30.3	23	15	252	9	12	140	112
Mean			537			435	102			28.1			-1.1	29.3			267			149	118
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, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	493	496	498	493	501	494	506	499	470	490	498	486	462	476	478	470	483	496	508	509	508	505	507	507	493
2	503	472	472	488	496	500	485	488	489	485	488	484	480	460	462	453	468	478	493	491	496	500	486	485	484
3 D	485	496	498	501	498	493	501	498	495	496	488	482	484	478	464	460	473	485	511	511	524	540	612	722	508
4 D	626	447	335	414	462	439	419	418	498	444	412	425	426	436	444	447	442	462	469	501	505	508	516	520	455
5	503	439	480	478	495	506	493	475	465	473	482	481	473	465	456	454	460	468	486	496	496	480	493	501	479
6	501	498	501	494	494	493	500	490	477	490	496	493	480	479	475	465	472	482	491	496	500	506	501	486	490
7	498	502	496	496	495	498	483	489	491	475	491	498	478	468	469	460	450	457	475	480	490	493	501	485	484
8	483	483	486	481	494	499	503	498	486	490	499	493	480	468	462	455	468	476	488	500	503	509	505	500	488
9 Q	495	494	490	490	495	508	490	501	502	503	504	497	486	470	462	463	470	486	498	511	510	508	504	501	493
10	506	507	511	506	507	506	511	509	505	505	503	494	482	474	466	462	462	476	491	501	509	515	493	498	496
11	496	483	496	505	505	502	502	496	501	491	486	485	480	469	470	469	479	493	503	514	519	519	522	514	496
12	507	507	508	509	513	509	505	504	500	494	503	498	491	483	478	472	479	493	506	516	505	508	517	494	500
13	488	504	508	519	503	501	497	494	490	495	500	496	490	481	478	475	485	494	508	516	520	511	503	504	498
14 Q	505	505	504	506	506	508	505	503	503	504	502	498	493	483	475	466	472	491	510	521	519	514	509	510	501
15	510	509	508	521	517	516	513	505	506	511	505	508	493	473	462	475	498	507	517	506	510	524	511	506	505
16	506	511	508	498	503	498	501	505	506	508	510	501	488	472	468	467	459	472	483	490	498	503	504	502	494
17	498	499	503	500	496	490	501	486	486	498	501	501	485	472	462	466	474	491	503	501	501	508	498	501	492
18	498	503	503	501	498	505	500	502	501	506	510	508	503	495	490	488	493	508	520	508	501	519	503	472	502
19 D	462	431	421	454	468	465	321	354	465	439	336	474	467	463	421	434	441	462	498	488	502	480	480	474	446
20 D	482	505	491	472	434	446	476	455	465	488	477	486	480	469	458	454	454	474	488	495	493	493	497	457	475
21	475	481	493	488	490	480	467	435	426	481	465	479	475	463	453	450	465	468	495	508	508	487	490	498	476
22	500	474	474	449	457	442	421	313	455	485	488	489	477	459	453	457	470	483	501	514	509	490	500	486	469
23 D	473	495	501	500	470	469	413	485	489	477	442	463	462	450	418	467	461	494	479	475	490	490	480	480	472
24	480	490	498	495	493	478	483	501	485	485	475	454	452	472	460	461	458	462	475	488	493	498	500	496	480
25	496	498	500	493	493	493	493	490	493	496	503	504	496	477	462	462	469	475	490	500	498	495	506	503	491
26	502	501	503	502	501	498	498	496	501	501	503	501	490	475	465	459	467	481	497	508	513	488	497	493	493
27	491	477	454	452	457	434	453	469	488	488	491	483	492	483	463	455	462	471	480	489	495	501	503	501	476
28 Q	493	483	484	484	480	479	483	491	494	498	503	501	493	483	476	470	468	474	480	493	505	505	504	503	489
29 Q	503	502	503	496	493	494	498	501	503	502	503	503	500	493	485	489	501	503	509	513	511	508	510	509	502
30 Q	510	508	507	503	501	498	508	511	520	519	519	519	514	507	500	493	493	493	498	506	517	514	497	506	507
31																									
Mean	499	490	488	490	491	488	481	478	485	491	486	489	482	473	465	464	470	482	495	502	505	504	505	504	488

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34. Agincourt. (D.) West 7°+ . . . ′ September, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	14.0	11.8	13.7	14.7	15.2	18.0	16.5	14.8	23.7	22.4	15.9	14.6	17.8	16.6	17.3	22.8	26.2	24.6	22.2	18.8	17.3	15.5	14.7	15.7	17.7
2	15.5	-1.2	9.3	14.2	15.5	21.2	17.0	21.2	9.1	14.5	14.3	13.1	12.5	13.8	16.4	18.8	23.1	23.9	22.9	20.4	15.5	14.5	13.8	11.3	15.5
3 D	14.5	14.3	14.3	14.9	15.5	14.7	15.2	13.8	16.1	15.1	13.2	13.8	11.9	13.3	15.9	22.7	25.3	24.8	21.9	27.3	21.0	20.2	10.9	-6.0	16.0
4 D	7.4	-2.8	-3.0	-7.8	12.2	19.2	16.4	16.4	36.1	17.0	6.7	10.1	16.0	17.9	20.6	23.3	24.8	25.0	26.3	21.5	22.4	20.6	19.3	17.9	16.0
5	-0.4	5.4	6.3	9.3	11.2	16.9	18.3	12.5	10.1	12.8	8.0	4.9	5.6	8.5	12.5	16.1	20.6	24.2	22.6	20.5	18.5	16.5	15.9	15.2	13.0
6	15.5	15.5	15.5	15.7	15.2	15.0	20.6	22.8	10.1	9.3	9.2	7.0	10.5	12.5	13.2	17.6	22.5	22.8	21.4	20.2	17.9	15.9	14.6	10.9	15.5
7	14.0	15.4	15.2	15.2	14.2	17.0	17.2	15.9	11.5	18.3	17.0	3.8	5.2	8.7	12.2	15.6	20.2	25.6	23.4	21.2	18.8	16.6	14.5	9.4	15.3
8	9.0	13.1	13.1	12.5	13.8	18.4	18.0	15.5	15.2	23.0	11.5	8.5	8.3	10.8	13.9	18.9	21.2	22.8	23.8	20.4	16.8	14.3	13.6	13.8	15.5
9 Q	14.3	15.2	9.9	12.5	15.2	14.5	12.5	14.2	11.8	11.0	10.1	9.1	9.3	11.0	14.3	18.2	22.4	24.3	23.2	20.2	17.0	14.8	14.2	14.2	14.7
10	14.3	13.5	14.4	14.6	15.2	14.8	13.9	12.7	11.5	11.5	9.5	7.3	8.0	9.1	11.9	17.2	22.0	24.8	25.4	23.4	19.5	18.0	16.5	15.5	15.2
11	14.0	-6.4	15.2	16.6	16.1	15.1	14.3	13.7	13.8	7.0	5.5	6.1	4.2	8.7	13.4	16.9	19.6	21.6	21.9	20.6	18.1	15.7	15.5	15.6	13.5
12	15.5	16.2	16.5	15.5	15.5	14.7	13.7	13.0	10.3	12.0	8.2	6.1	7.9	11.9	14.3	18.4	22.0	22.8	22.0	20.7	19.3	17.3	15.5	14.5	15.2
13	14.0	14.3	12.4	15.2	14.2	16.5	13.1	13.8	15.1	11.5	9.7	9.4	10.1	12.5	14.7	19.1	21.6	22.5	21.4	19.3	16.8	14.7	13.7	14.8	15.0
14 Q	15.7	14.7	15.2	15.5	14.8	14.6	13.4	13.2	11.8	11.6	11.0	10.3	9.7	9.7	11.5	16.0	19.3	21.0	20.6	17.7	16.0	14.9	14.5	15.2	14.5
15	15.5	15.1	14.7	13.9	12.9	12.1	11.8	9.2	10.2	6.1	5.6	7.4	5.1	5.7	10.9	16.5	21.6	21.3	27.2	27.3	24.9	20.8	19.4	18.5	14.7
16	17.9	16.6	16.6	15.2	15.1	14.4	13.7	12.6	11.8	10.0	8.5	7.4	7.9	9.5	11.8	14.9	18.4	22.2	25.1	22.8	21.6	18.3	15.8	14.6	15.1
17	14.7	15.1	-0.2	12.5	15.4	14.8	15.5	10.5	10.1	12.8	13.8	10.9	11.5	14.3	18.8	22.0	21.0	20.6	20.1	18.3	16.4	15.5	15.6	14.6	14.7
18	13.8	10.8	14.6	15.2	14.3	15.2	17.5	11.9	11.9	12.7	12.9	10.7	10.4	11.2	12.1	15.5	17.6	17.9	18.8	19.2	20.3	19.2	7.2	6.1	14.0
19 D	3.7	21.6	5.8	22.5	8.2	25.0	40.2	1.5	3.7	5.5	37.0	17.4	24.6	22.5	32.9	28.8	25.6	27.4	22.8	20.8	15.7	6.4	7.9	9.0	18.2
20 D	10.7	7.6	-1.5	13.5	29.8	15.5	17.0	22.4	25.1	13.9	18.3	17.5	18.4	21.9	19.1	25.1	28.8	25.8	23.6	19.2	15.7	14.0	15.5	4.3	17.5
21	4.8	14.1	16.8	14.2	15.6	16.2	18.5	31.6	12.8	11.9	17.9	16.2	12.2	11.2	14.4	18.7	21.9	23.4	21.1	17.6	15.9	14.8	14.9	15.3	16.3
22	15.1	6.8	2.5	8.9	10.3	9.8	15.2	42.7	18.5	4.6	7.5	10.9	8.2	11.4	15.4	18.8	21.4	22.6	22.0	18.0	17.6	12.3	14.0	14.3	14.6
23 D	6.2	15.0	14.7	15.8	13.0	13.5	27.6	17.6	9.4	9.4	22.8	16.4	13.5	16.2	28.8	23.3	23.4	21.6	22.1	22.4	18.2	13.5	13.4	4.2	16.7
24	10.8	9.5	11.4	15.9	16.2	23.2	25.3	32.9	10.2	6.6	14.4	24.7	23.8	21.9	18.3	18.9	19.9	24.4	24.9	23.1	19.3	17.1	15.7	14.7	18.5
25	14.3	6.1	13.4	16.2	15.7	17.9	16.6	16.5	18.5	13.9	11.6	10.4	10.4	9.7	13.3	16.4	18.9	21.2	23.5	21.9	19.8	17.6	15.6	15.3	15.6
26	14.4	13.5	13.5	15.3	15.0	14.5	13.8	16.8	15.2	11.6	11.5	10.6	9.8	9.8	12.9	16.3	20.4	22.0	21.7	19.3	16.6	14.3	13.8	14.1	14.8
27	12.3	10.2	-1.5	7.5	10.3	10.6	15.3	8.5	11.6	12.2	14.6	18.5	17.8	15.1	13.9	18.3	21.8	21.6	20.4	18.7	17.1	16.3	15.5	15.0	14.2
28 Q	13.2	12.2	14.7	16.1	17.6	12.3	14.7	15.2	10.6	11.2	12.6	12.4	11.6	10.4	12.8	15.7	17.9	19.4	20.7	18.6	16.9	16.3	16.7	15.7	14.8
29 Q	15.6	15.6	15.6	12.7	14.2	14.4	14.0	13.8	13.6	13.5	13.1	11.2	9.4	8.5	10.2	13.0	14.7	16.6	16.9	17.4	16.6	16.1	15.9	15.8	14.1
30 Q	15.5	15.4	15.0	14.8	13.9	13.5	14.1	15.1	12.7	11.7	13.4	12.3	10.4	9.4	10.5	12.0	14.8	17.7	20.6	22.1	18.0	18.1	18.8	16.7	14.8
31																									
Mean	12.5	11.5	11.1	13.6	14.6	15.7	17.0	16.4	13.7	12.1	12.8	11.3	11.4	12.5	15.3	18.5	21.3	22.6	22.3	20.6	18.2	16.0	14.7	12.8	15.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 35. Agincourt. (Z) 56,000 γ + September, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	238	229	224	222	219	200	197	215	191	197	204	199	212	223	218	221	224	227	230	237	238	234	230	225	219
2	229	225	227	228	213	177	147	167	198	212	209	206	216	217	221	225	233	239	242	245	251	248	245	242	219
3 D	238	231	229	228	226	224	225	222	218	206	199	204	204	206	211	216	216	226	261	248	236	254	428	504	244
4 D	383	295	134	139	210	174	163	136	130	162	206	199	189	192	199	210	228	230	246	268	253	265	294	333	218
5	351	282	295	251	265	253	259	245	236	237	236	230	228	225	224	225	227	227	230	241	247	247	239	233	247
6	227	227	226	227	228	229	193	128	170	223	231	227	219	214	219	220	222	226	231	234	236	234	235	237	219
7	234	228	226	226	221	193	196	223	224	201	187	207	217	218	213	217	226	231	228	231	237	237	240	240	221
8	237	236	235	226	216	218	218	223	219	204	220	225	223	224	225	233	237	237	237	240	238	237	233	228	228
9 Q	226	228	217	219	224	195	217	229	230	226	226	225	223	222	223	226	229	229	230	229	231	231	229	227	224
10	227	224	221	222	223	223	223	224	221	218	221	225	224	221	221	221	227	230	232	235	238	241	247	249	227
11	259	238	244	232	226	225	225	213	201	214	219	224	218	214	214	213	218	223	227	229	230	228	227	223	224
12	225	225	224	223	223	221	223	224	215	209	202	208	214	214	218	219	222	224	225	227	226	229	234	237	221
13	238	227	218	197	215	226	221	218	209	208	220	223	221	222	224	218	221	225	224	227	234	232	228	227	222
14 Q	228	226	226	225	225	225	225	224	224	224	226	227	223	224	227	227	225	222	227	229	228	227	224	223	226
15	225	224	224	221	219	215	225	224	225	215	216	216	212	208	208	212	206	218	233	266	259	242	232	228	224
16	231	233	231	226	229	229	228	227	225	223	222	220	220	219	217	217	220	227	234	240	246	240	234	232	228
17	229	226	208	201	220	219	204	201	220	226	225	220	217	220	227	225	226	227	229	232	235	237	231	231	222
18	230	224	223	227	226	212	207	221	223	223	224	223	222	222	221	214	215	218	226	230	228	240	274	288	228
19 D	334	259	133	71	203	57	-47	46	120	152	92	177	174	201	195	221	236	297	269	259	269	278	284	271	193
20 D	265	207	194	200	107	136	146	153	174	203	203	199	192	187	205	218	227	239	248	259	262	257	247	258	208
21	246	245	213	213	217	226	219	155	172	202	199	194	206	225	225	237	241	249	249	252	255	255	247	240	224
22	240	243	183	194	213	188	152	118	153	210	223	237	236	232	236	237	237	240	240	243	246	253	243	243	219
23 D	241	238	233	230	202	154	84	171	228	211	162	183	214	213	212	227	237	243	253	266	274	277	262	259	220
24	248	231	214	228	232	195	146	130	183	203	180	174	195	202	221	227	234	238	244	248	257	254	248	242	215
25	240	234	228	231	231	232	230	222	212	215	225	226	225	225	226	233	232	236	239	242	248	244	239	237	231
26	235	234	233	231	233	233	228	223	217	222	226	230	228	223	226	226	227	231	237	240	243	245	249	246	232
27	247	241	223	203	211	156	135	210	228	221	226	214	217	220	226	229	233	236	240	242	244	238	235	234	221
28 Q	233	236	233	229	222	223	227	227	221	227	229	229	228	227	226	226	227	230	232	236	238	236	234	232	230
29 Q	233	231	231	230	233	233	231	231	230	228	228	230	225	221	215	211	207	210	217	218	222	224	224	225	224
30 Q	224	223	225	224	225	227	224	222	218	221	222	222	218	217	215	215	212	216	221	219	224	233	231	228	222
31																									
Mean	248	235	219	214	219	207	192	196	205	212	210	214	215	217	219	222	226	232	236	240	243	243	248	251	223

Table 36. Agincourt — September, 1953.

Day	Horizontal Force							Declination							Vertical Force						
	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	51	519	12	42	450	69	16	51	28.3	1	55	8.8	19.5	20	57	244	8	58	179	65
2	5	50	511	15	23	444	67	5	57	31.5	1	40	-10.6	42.1	20	38	253	6	20	140	113
3	23	45	909	15	20	445	464	19	25	28.3	23	34	-21.8	50.1	22	37	576	10	10	194	382
4	0	42	716	2	33	253	463	8	21	45.3	3	22	-21.6	66.9	0	8	437	3	2	12	425
5	0	52	526	1	56	423	103	17	43	25.2	0	48	-13.3	38.5	0	1	394	15	6	220	174
6	20	52	514	15	44	457	57	7	22	31.0	11	46	5.9	25.1	20	51	242	7	46	104	138
7	5	5	508	17	20	443	65	17	9	26.5	11	34	1.5	25.0	23	22	243	10	19	175	68
8	21	22	511	15	27	450	61	9	21	26.7	0	13	4.7	22.0	0	12	240	9	51	190	50
9	5	39	522	15	6	457	65	17	40	24.6	2	29	3.6	21.0	21	25	231	5	30	178	53
10	21	18	519	16	40	459	60	18	23	25.8	11	44	6.4	19.4	23	59	253	9	42	217	36
11	21	8	524	14	11	457	67	17	56	22.4	1	2	-14.0	36.4	0	57	281	8	10	194	87
12	19	35	531	15	48	469	62	17	14	23.8	10	53	5.1	18.7	23	54	238	10	15	201	37
13	3	25	527	15	30	472	55	17	25	23.1	2	55	7.5	15.6	0	30	241	3	28	188	53
14	19	41	524	16	4	463	61	17	50	21.6	13	3	9.2	12.4	18	58	230	13	42	222	8
15	18	45	547	14	51	443	104	19	7	34.5	10	20	2.7	31.8	19	45	275	14	50	197	78
16	1	55	519	16	52	454	65	18	36	28.4	12	17	6.2	22.2	20	36	247	14	20	213	34
17	2	57	530	14	20	455	75	15	50	22.9	2	38	-12.7	35.6	21	47	238	7	24	185	53
18	21	25	539	23	21	450	89	6	6	23.4	22	42	-4.3	27.7	23	59	329	6	13	199	130
19	3	0	541	10	20	273	268	1	46	63.4	2	40	-41.9	105.3	0	23	354	2	20	-93	447
20	1	49	538	5	1	372	166	4	46	52.7	23	55	-14.5	67.2	1	2	280	3	47	38	242
21	20	23	519	7	12	419	100	7	28	40.2	0	1	-8.6	48.8	21	25	258	7	44	131	127
22	20	8	529	7	24	215	314	7	27	55.3	1	57	-13.5	68.8	1	40	261	7	34	81	180
23	7	43	506	6	54	355	151	6	47	52.5	23	42	-6.1	58.6	21	5	282	6	54	-12	294
24	6	55	533	12	10	425	108	7	23	40.7	9	29	4.3	36.4	20	27	265	7	14	117	148
25	2	54	519	14	55	451	68	18	2	24.4	1	41	-2.5	26.9	20	15	249	8	58	206	43
26	20	25	521	15	22	457	64	17	32	22.8	13	24	8.9	13.9	22	0	251	8	20	213	38
27	22	8	504	6	2	416	88	6	15	29.5	2	39	-7.7	37.2	0	37	248	6	13	112	136
28	22	2	509	15	55	465	44	18	24	21.1	8	52	8.4	12.7	19	56	239	4	18	216	23
29	19	35	514	14	28	477	37	19	30	17.7	12	50	7.9	9.8	4	40	234	16	42	206	28
30	20	55	531	17	23	489	42	19	5	23.6	14	2	9.0	14.6	21	35	236	16	35	212	24
31																					
Mean			542			425	117			31.2			-3.1	34.3			278			154	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 37. Agincourt. (H.) 15,000 γ + October, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	508	505	496	483	480	495	501	497	501	506	503	500	494	500	499	488	488	488	490	501	510	501	499	493	497
2	494	493	500	498	502	500	503	501	501	504	504	500	498	495	493	490	498	505	520	527	524	511	505	503	503
3	503	503	503	504	503	500	495	498	491	497	500	496	497	495	493	488	492	504	510	513	514	511	513	516	502
4	507	505	504	503	501	503	503	501	502	503	503	502	495	491	488	485	493	505	512	513	510	506	504	505	502
5 Q	503	506	507	508	505	504	507	508	511	511	508	512	506	501	496	493	497	502	514	522	520	515	513	510	507
6 Q	505	499	503	506	504	508	506	508	508	509	513	513	508	498	490	486	493	502	512	526	521	524	521	518	508
7	525	524	521	517	517	519	513	509	483	503	505	514	503	498	493	481	472	478	493	498	504	511	503	494	503
8	495	492	495	490	493	488	495	496	502	506	506	508	503	496	491	488	493	501	507	511	517	498	490	503	498
9	509	510	503	511	503	514	508	495	504	504	508	503	498	491	486	484	493	503	516	516	515	513	508	510	505
10	513	503	490	504	500	502	504	504	505	505	506	503	498	485	475	465	474	490	500	503	496	508	513	503	498
11	510	511	508	505	505	506	506	509	510	509	506	508	488	481	483	467	475	477	489	501	506	507	506	510	499
12 Q	510	509	506	505	500	500	502	505	506	508	505	505	501	497	487	475	475	484	494	502	506	509	510	511	501
13 Q	509	508	505	504	506	506	508	508	509	508	508	504	499	490	480	469	473	489	496	508	510	511	510	508	501
14 Q	507	509	508	505	506	511	506	505	505	508	508	506	500	491	480	476	481	491	503	513	514	516	516	516	504
15 D	515	513	512	511	511	511	511	511	516	520	514	516	519	503	416	409	467	454	483	483	487	462	465	471	491
16 D	486	450	456	460	450	458	441	457	480	487	487	486	485	469	454	441	439	450	464	477	478	472	468	430	463
17	428	463	484	485	478	462	462	477	434	452	500	510	496	473	450	434	469	470	483	498	477	476	480	472	472
18 D	474	468	444	431	468	486	462	463	470	470	496	480	450	423	422	408	452	456	449	463	471	471	479	461	459
19 D	465	418	372	400	443	451	408	386	472	419	497	508	476	461	474	462	472	475	485	498	491	483	493	486	458
20 D	485	460	467	452	452	490	480	479	452	493	503	488	475	488	455	472	484	480	488	469	468	452	469	476	474
21	485	491	505	497	490	503	498	491	469	473	501	487	488	472	460	470	480	486	491	494	501	501	501	501	489
22	500	497	495	511	491	472	467	477	483	485	488	494	488	479	479	462	465	475	481	488	491	487	488	488	485
23	486	493	490	483	480	488	484	494	498	501	498	501	501	490	475	477	479	483	494	498	501	500	501	500	491
24	498	498	498	498	498	501	503	505	502	501	503	505	496	466	485	488	485	480	485	490	496	502	501	501	495
25	502	496	497	480	501	488	491	495	496	496	499	501	496	491	486	485	493	498	505	511	511	512	506	505	497
26	504	503	507	503	501	506	506	507	502	506	506	506	499	486	478	480	488	496	501	498	506	508	504	507	500
27	492	480	483	490	493	485	488	473	470	500	504	503	496	485	476	477	474	475	485	490	503	498	488	485	487
28	485	480	481	483	480	490	497	500	502	504	503	501	497	488	480	476	477	483	493	503	506	504	502	499	492
29	490	481	488	496	498	493	495	501	503	508	513	513	506	498	491	490	495	503	510	514	517	501	505	488	500
30	494	498	497	496	496	499	496	498	501	498	503	504	503	491	483	483	485	491	500	507	509	511	511	510	498
31	489	483	493	495	497	489	474	493	498	501	503	505	495	490	485	484	488	489	500	505	507	508	511	513	495
Mean	496	492	491	491	492	494	491	492	493	496	503	503	495	486	477	472	480	486	495	502	503	500	500	496	493

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38. Agincourt. (D.) West 7°+ . . . ′ October, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	15.7	15.6	15.1	10.3	9.4	14.0	13.9	13.0	13.1	13.3	13.6	12.4	17.8	17.9	15.4	16.6	19.1	19.6	21.1	18.5	19.0	18.1	18.7	17.2	15.7
2	15.7	15.4	15.2	14.0	13.4	14.8	14.5	14.5	14.6	14.8	13.9	14.9	14.3	13.6	13.5	16.7	19.1	20.8	21.1	18.1	15.8	15.4	15.4	15.0	15.6
3	15.1	14.7	15.0	13.9	12.1	10.8	13.9	12.1	10.1	9.6	10.4	12.9	12.4	11.2	12.4	14.9	18.6	20.3	20.0	18.6	17.2	15.7	16.3	16.6	14.4
4	17.2	16.6	15.8	15.7	14.5	14.5	14.5	14.0	13.5	13.8	13.0	12.5	11.7	11.3	12.7	15.4	17.9	20.2	19.4	17.5	17.2	15.4	15.7	15.1	15.2
5 Q	14.8	13.9	14.5	14.8	15.2	14.4	15.0	14.9	13.1	11.6	13.3	12.7	10.7	10.6	11.2	13.9	17.0	19.6	19.9	18.1	16.4	15.1	15.4	15.6	14.7
6 Q	16.3	15.0	14.9	14.8	14.7	14.7	15.4	13.9	13.0	13.0	12.6	11.8	11.3	11.7	13.4	15.5	17.8	18.7	18.6	17.6	16.4	15.7	15.7	15.7	14.9
7	15.0	14.6	14.8	14.5	14.2	13.9	13.1	16.6	3.6	8.5	7.2	8.6	12.3	14.5	12.3	15.8	19.0	20.8	19.8	18.4	16.8	15.9	17.6	19.5	14.5
8	16.7	15.7	14.5	13.8	13.1	11.3	11.6	9.1	11.2	11.5	12.3	11.7	11.1	11.7	15.2	16.7	16.2	18.1	18.5	17.7	17.1	17.6	16.3	15.9	14.4
9	14.9	14.0	13.3	9.4	13.6	17.6	10.6	8.5	10.4	11.4	12.5	11.7	10.8	11.5	11.7	14.1	17.2	18.9	18.1	17.7	16.7	16.0	15.7	15.4	13.8
10	15.4	10.8	13.3	14.8	14.5	15.3	14.9	14.4	14.0	13.8	13.4	12.2	10.7	9.0	10.4	14.4	20.4	20.4	22.0	22.5	22.7	17.7	17.2	15.0	15.4
11	14.6	14.5	14.0	14.0	14.0	14.1	14.9	14.1	13.7	13.6	13.5	12.0	11.2	12.8	11.3	13.1	16.4	19.1	20.5	19.4	18.2	16.8	15.4	14.9	14.8
12 Q	14.6	14.1	13.4	13.3	13.7	14.6	14.1	14.8	14.2	13.7	13.2	12.8	11.2	10.0	9.9	12.8	16.7	19.9	21.9	23.3	23.2	19.2	16.8	15.2	15.3
13 Q	14.2	13.9	13.6	14.2	14.6	15.0	14.7	14.2	14.0	13.6	13.2	12.6	11.5	9.7	10.9	14.9	20.0	21.9	22.8	20.9	18.3	16.4	15.8	15.7	15.3
14 Q	15.0	14.2	14.6	14.7	14.1	14.0	13.8	14.0	13.3	13.2	12.4	11.4	10.1	9.6	10.0	13.0	17.4	19.9	20.4	19.0	17.0	15.6	14.8	14.8	14.5
15 D	14.2	14.2	14.2	14.3	14.2	14.0	14.1	13.9	13.5	12.3	10.8	9.4	9.1	5.1	7.2	29.2	31.5	29.3	26.5	22.1	23.6	21.2	18.5	13.0	16.5
16 D	6.1	10.8	9.4	16.4	17.4	12.2	25.6	20.5	14.9	14.6	15.1	15.7	14.3	15.0	17.3	21.5	23.5	24.5	19.1	18.2	11.6	20.5	19.5	8.2	16.3
17	8.8	10.9	12.3	11.9	17.7	14.2	23.2	16.9	24.1	29.3	19.2	13.1	14.1	15.6	18.7	22.9	22.2	25.0	23.2	23.9	23.8	18.0	17.4	13.6	18.3
18 D	16.7	13.5	13.2	19.2	8.3	10.2	19.9	21.1	10.7	24.0	29.1	26.2	27.9	27.9	25.9	32.0	30.5	24.4	23.6	21.9	20.4	19.3	17.7	-6.0	19.9
19 D	-6.5	11.3	1.3	7.7	4.8	18.3	16.4	32.6	14.2	38.0	32.0	15.4	26.6	28.8	18.3	20.3	22.3	19.7	15.9	16.8	16.8	15.0	15.5	12.0	17.2
20 D	8.8	3.1	4.9	12.9	22.6	16.9	13.0	10.5	22.0	22.3	15.6	17.3	24.1	27.1	22.4	23.4	19.7	18.2	17.7	17.3	14.7	10.5	14.4	14.7	16.4
21	13.1	11.0	13.3	13.8	14.4	16.9	15.7	16.0	22.8	40.2	27.8	22.1	13.9	16.5	17.5	18.4	19.8	19.7	18.8	18.0	16.9	16.0	15.7	15.8	18.0
22	16.2	16.0	14.1	15.9	13.0	11.7	25.1	9.0	17.5	17.0	15.9	15.1	13.8	12.7	13.5	16.9	18.5	19.8	17.9	17.9	19.3	14.8	12.0	13.5	15.7
23	15.0	10.2	13.2	14.3	13.9	22.3	16.0	17.1	13.9	15.0	17.9	17.0	17.0	13.9	13.1	15.8	17.2	18.7	17.5	17.5	16.6	16.0	15.2	15.3	15.8
24	15.3	15.4	15.3	15.2	15.7	16.0	16.2	16.0	17.2	14.7	13.5	11.5	10.8	20.7	19.1	17.9	17.4	19.6	20.4	19.3	17.9	16.6	16.0	15.8	16.4
25	15.8	14.9	11.5	13.7	18.5	14.3	15.3	16.1	15.8	15.8	15.7	15.0	13.2	12.7	13.4	17.0	19.7	20.6	19.4	18.3	17.1	15.7	14.7	14.7	15.8
26	14.9	14.3	14.3	14.6	14.0	14.6	14.9	16.6	16.2	13.7	13.3	12.6	12.0	11.6	13.1	16.1	18.0	19.1	19.4	18.8	17.7	16.7	16.1	16.8	15.4
27	14.3	7.3	12.3	13.2	14.2	15.4	13.4	14.5	21.7	16.5	11.4	12.1	13.8	13.4	14.2	17.1	19.3	20.9	22.4	19.9	19.8	18.5	17.1	14.8	15.8
28	7.4	10.8	12.1	12.8	11.1	14.7	16.1	16.1	15.3	14.5	14.4	14.6	12.5	11.0	11.8	14.9	18.1	19.0	19.2	18.3	17.1	16.1	15.8	16.1	14.6
29	15.8	12.8	13.2	10.8	13.2	14.4	15.3	15.0	14.4	14.4	13.8	12.9	11.3	11.2	12.2	13.4	15.3	17.4	19.9	20.8	21.9	17.2	20.2	21.3	15.3
30	16.2	14.6	15.0	15.3	15.4	15.7	15.6	16.8	15.3	14.7	15.0	13.2	11.7	13.2	13.4	15.2	18.0	19.2	19.6	18.6	17.2	16.0	15.2	16.2	15.7
31	16.1	14.7	13.8	15.1	15.3	16.5	19.9	13.5	15.5	14.0	13.5	13.3	12.4	12.3	13.3	15.9	18.2	19.0	18.1	16.9	15.9	15.7	15.4	15.2	15.4
Mean	13.7	13.2	13.1	13.9	14.0	14.8	15.9	15.2	14.8	16.4	15.1	13.8	13.8	14.0	14.0	17.3	19.4	20.4	20.1	19.1	18.0	16.6	16.2	14.6	15.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 39. Agincourt. (Z) 56,000 γ + October, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	229	234	208	228	238	232	226	226	225	225	225	222	216	216	217	217	218	223	229	232	234	235	236	226
2	237	235	230	229	226	226	226	226	225	225	221	225	224	223	220	218	223	227	224	224	225	226	226	229	226
3	227	226	226	226	218	211	220	209	216	218	217	218	213	211	213	214	215	217	220	224	226	226	227	227	219
4	231	228	228	226	226	226	225	226	225	225	225	227	224	222	221	222	221	225	230	231	228	227	227	227	226
5 Q	228	228	226	226	226	226	223	223	223	222	222	225	222	221	220	218	218	218	221	222	226	225	225	225	223
6 Q	226	229	228	225	225	222	222	223	223	223	222	223	223	223	223	222	221	222	223	223	223	222	221	221	223
7	223	223	223	222	222	222	221	164	181	194	203	212	213	219	217	215	214	218	221	221	226	230	233	240	216
8	243	247	246	245	234	233	224	222	228	228	225	227	227	227	225	219	213	212	214	221	228	236	245	237	230
9	235	235	235	227	218	207	198	215	224	226	225	225	226	225	222	212	219	218	218	218	224	227	228	226	223
10	229	230	231	231	231	230	229	229	228	226	228	229	228	226	225	221	220	221	225	231	234	234	234	231	228
11	230	228	228	228	229	228	228	225	228	226	226	226	228	229	228	226	226	224	229	231	232	231	229	230	228
12 Q	230	229	230	229	230	230	230	230	229	229	227	230	230	229	227	221	220	225	230	235	237	237	233	231	230
13 Q	230	230	232	233	230	228	228	227	227	227	227	227	229	230	227	218	218	224	231	231	233	231	231	231	228
14 Q	230	228	228	228	227	215	219	226	227	228	227	230	227	227	223	218	217	220	224	225	230	230	227	228	226
15 D	228	228	228	228	228	227	227	225	226	223	222	225	225	219	216	229	224	246	268	255	262	281	317	356	242
16 D	243	249	252	181	162	188	166	196	223	234	237	240	241	238	237	238	251	257	274	286	313	298	314	332	244
17	303	257	244	224	225	209	174	180	156	153	206	226	224	229	236	238	250	245	247	262	286	286	276	276	234
18 D	272	264	233	121	215	220	186	146	135	135	121	146	175	195	223	244	252	258	264	292	327	305	318	285	222
19 D	277	248	142	122	148	129	72	50	82	56	98	174	184	207	225	237	230	241	252	243	251	254	254	253	185
20 D	247	241	213	198	148	170	162	141	181	193	195	210	222	218	227	240	231	241	246	259	272	282	272	260	220
21	256	249	234	225	238	237	234	228	190	134	152	188	225	231	235	240	240	237	238	238	240	238	242	241	225
22	241	241	238	202	206	215	188	189	228	214	224	237	241	246	245	242	252	253	260	258	257	261	258	255	235
23	255	250	243	246	222	189	218	231	237	234	231	228	231	231	235	236	234	236	242	242	243	241	241	240	235
24	242	242	241	241	241	238	238	237	231	219	230	235	236	239	232	229	229	233	236	239	243	244	242	241	236
25	239	241	233	239	200	219	230	237	239	238	240	239	239	236	233	227	232	236	238	237	238	239	238	237	234
26	240	239	239	237	236	233	233	226	221	225	233	237	236	236	232	228	228	230	232	236	240	239	239	242	234
27	248	233	240	243	239	232	184	193	206	224	231	236	233	233	233	234	233	239	244	250	250	246	251	255	234
28	250	245	246	242	242	243	243	244	242	239	237	239	239	239	234	231	233	237	239	243	243	243	243	243	240
29	247	249	247	234	228	231	237	240	240	240	239	238	238	237	234	231	228	229	235	238	244	256	261	273	241
30	258	244	243	240	238	238	238	239	237	237	238	240	240	237	232	226	238	238	240	243	245	240	240	241	240
31	246	258	250	245	241	233	222	238	246	245	241	241	241	240	238	233	239	241	241	242	241	239	239	239	241
Mean	243	239	232	221	221	220	212	211	214	212	216	224	227	228	228	228	229	232	237	240	245	246	248	248	229

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 40 Agincourt October 1953

Day	Horizontal Force							Declination							Vertical Force						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	0	46	516	3	41	465	51	13	6	21.8	3	50	-2.6	24.4	5	4	246	3	32	172	74
2	19	40	529	15	25	489	40	18	9	21.8	4	16	10.4	11.4	1	3	238	15	8	217	21
3	23	12	521	15	41	485	36	18	14	21.2	10	8	8.6	12.6	21	55	230	5	24	206	24
4	19	40	514	14	23	483	31	17	50	20.8	13	53	10.8	10.0	20	26	232	14	17	220	12
5	19	2	524	15	34	492	32	18	2	20.3	13	0	10.2	10.1	0	10	229	14	50	216	13
6	19	40	528	14	50	483	45	18	36	19.5	13	43	10.8	8.7	1	30	229	22	15	218	11
7	0	2	535	16	30	469	66	7	40	21.8	8	24	-0.6	22.4	23	57	242	7	50	132	110
8	20	13	527	22	9	473	54	21	58	19.5	7	17	8.1	11.4	3	27	248	16	43	210	38
9	4	2	524	15	20	483	41	5	46	19.4	3	45	3.2	16.2	0	10	236	6	50	189	47
10	22	9	519	15	53	459	60	20	11	24.8	1	53	7.0	17.8	2	43	238	15	52	217	21
11	23	43	513	17	37	465	48	18	18	21.5	12	8	9.9	11.6	21	0	233	17	37	217	16
12	21	49	515	16	26	474	41	20	2	24.3	13	51	9.0	15.3	20	42	239	17	10	220	19
13	21	38	513	15	27	466	47	18	18	23.3	13	40	8.7	14.6	19	17	233	16	15	218	15
14	5	2	521	15	15	474	47	18	5	20.7	14	29	9.1	11.6	0	2	231	5	55	207	24
15	13	5	527	15	3	358	169	16	9	42.3	14	3	1.8	40.5	23	35	405	14	16	208	197
16	0	18	629	23	56	395	234	1	2	29.1	0	18	-24.4	53.5	0	10	469	6	3	123	346
17	19	38	521	8	50	403	118	8	50	34.8	0	1	-1.3	36.1	0	57	315	8	51	128	187
18	9	58	503	14	58	382	121	15	56	37.5	23	23	-22.5	60.0	22	54	346	3	40	79	267
19	11	48	514	2	51	282	232	9	28	56.9	2	31	-21.7	78.6	1	18	298	6	58	-3	301
20	10	36	514	4	50	413	101	4	47	40.1	1	48	-2.3	42.4	21	20	288	3	50	110	178
21	10	20	514	9	7	439	75	9	19	51.9	1	24	6.5	45.4	0	3	260	9	9	110	150
22	3	38	524	15	58	442	82	6	27	30.6	7	47	6.1	24.5	22	0	266	6	45	149	117
23	2	1	506	6	52	465	41	5	12	32.9	1	42	3.3	29.6	0	1	255	5	22	175	80
24	11	25	509	13	38	443	66	14	3	26.1	11	35	9.3	16.8	21	35	246	9	36	214	32
25	20	40	526	3	15	474	52	4	42	25.2	2	10	6.7	18.5	21	33	246	4	48	178	68
26	5	49	514	14	49	475	39	18	25	19.6	12	53	11.2	8.4	23	59	244	9	0	216	28
27	20	30	514	8	22	454	60	8	52	25.4	1	8	1.1	24.3	23	55	259	7	2	160	99
28	20	10	511	16	52	471	40	18	25	19.6	0	52	1.2	18.4	0	1	257	15	38	230	27
29	20	50	531	1	13	479	52	21	0	24.9	3	38	8.6	16.3	23	25	278	4	25	224	54
30	9	58	516	15	5	479	37	0	1	20.5	12	20	11.0	9.5	0	1	267	15	6	225	42
31	20	47	514	6	9	465	49	6	12	28.3	11	57	10.7	17.6	1	11	264	6	7	210	54
Mean			522			451	71			27.3			3.5	23.8			267			181	86
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, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	509	506	505	503	506	508	508	508	510	503	508	508	501	491	489	493	496	496	501	503	503	512	507	504
2 Q	508	510	507	506	506	508	517	510	511	512	511	510	506	500	501	504	503	508	519	525	523	517	513	513	510
3	512	512	510	510	509	510	511	513	514	515	513	510	503	495	493	497	500	502	507	515	516	514	513	506	508
4	501	506	506	506	506	505	505	509	509	508	507	510	506	495	489	480	480	485	495	502	508	511	504	502	502
5	494	484	484	483	489	476	467	475	478	493	490	493	495	491	495	493	491	489	490	495	498	501	501	501	489
6	498	493	495	501	499	498	502	502	506	513	513	513	506	495	493	496	501	501	505	507	511	512	513	510	504
7	509	508	506	501	493	496	496	502	503	506	506	508	503	493	488	485	488	493	501	512	511	513	517	516	502
8	514	510	508	506	507	511	509	507	511	512	508	504	505	500	493	495	497	498	506	510	516	522	524	510	508
9 Q	503	510	511	513	508	516	516	516	516	516	516	514	510	503	496	489	492	495	501	508	513	517	516	515	509
10 Q	514	513	514	514	516	513	514	515	516	516	515	514	511	507	502	496	495	501	508	516	521	522	524	522	512
11	520	520	518	517	517	517	518	519	519	521	519	516	514	508	513	512	508	509	510	509	514	502	508	505	514
12	488	479	495	503	506	509	510	508	509	515	510	519	529	514	506	503	501	504	513	509	503	494	502	505	506
13 D	509	484	459	469	472	466	453	493	491	500	495	490	472	493	505	490	472	478	472	490	484	488	496	498	484
14 D	504	500	475	479	474	485	483	490	489	485	493	503	486	504	500	489	477	454	469	470	483	489	483	499	486
15 D	498	500	501	500	474	510	493	475	486	488	503	488	486	494	489	469	486	496	474	480	488	502	503	503	491
16 D	500	488	513	501	472	489	497	485	477	483	500	498	500	491	488	478	460	455	471	505	504	501	493	503	490
17	501	488	504	493	494	495	498	503	504	510	511	508	513	506	496	490	475	465	471	493	501	478	488	506	495
18	505	501	500	495	493	496	498	505	501	500	489	494	508	503	495	486	494	495	504	509	506	508	510	506	500
19 D	480	496	503	511	481	474	475	484	496	509	499	514	503	451	495	501	490	493	494	500	477	483	506	508	492
20	506	500	494	494	496	508	501	496	477	495	508	510	500	490	480	457	477	490	490	500	495	480	483	486	492
21	506	498	496	503	503	495	495	502	503	494	490	500	504	495	493	486	485	490	495	493	494	503	506	504	497
22	502	501	503	505	500	503	503	508	506	507	507	510	508	503	500	495	497	500	505	505	507	510	510	504	504
23	505	508	505	502	500	502	503	490	513	488	489	500	502	497	498	492	492	510	525	521	505	492	494	475	500
24	461	492	501	489	482	484	482	492	493	496	497	497	497	487	479	474	477	487	497	504	505	500	504	502	491
25	492	502	503	502	502	493	502	503	503	505	505	500	505	494	489	485	493	499	507	512	510	510	509	507	502
26	503	497	500	507	508	502	510	512	511	512	512	512	509	502	494	488	493	499	513	518	523	510	512	510	507
27	510	510	503	505	505	505	503	504	508	509	510	511	504	500	494	489	487	489	500	512	515	518	513	506	505
28 Q	504	506	506	509	508	512	512	511	512	512	514	514	509	503	494	492	493	499	509	517	523	520	512	509	508
29	509	504	496	499	504	504	506	506	505	504	506	514	514	506	499	498	500	504	509	512	514	517	519	519	507
30 Q	514	509	512	514	512	512	511	510	514	517	515	517	519	511	504	501	503	507	514	520	522	520	522	520	514
31																									
Mean	503	501	501	501	498	500	500	502	503	505	505	507	505	498	495	490	490	493	499	506	507	505	507	506	501

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42. Agincourt. (D.) West 7°+ . . . ′ November, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	15.2	14.9	15.6	15.8	14.8	14.5	17.0	15.3	15.3	14.0	15.0	14.9	12.4	11.2	12.2	16.8	19.0	20.3	20.7	20.4	19.4	17.4	15.7	15.2	16.0
2 Q	14.8	14.7	15.1	15.3	14.3	14.2	16.9	14.2	14.2	13.4	14.4	13.6	13.0	13.8	14.1	16.9	18.3	20.0	19.3	17.6	16.4	16.0	15.4	15.0	15.4
3	14.6	14.5	14.7	14.7	15.1	16.3	15.4	15.0	14.8	14.1	13.6	14.1	13.2	12.6	15.1	18.6	19.4	20.0	20.5	18.8	17.0	16.0	15.9	15.5	15.8
4	15.1	12.7	12.8	13.7	15.0	15.8	16.3	17.3	16.3	14.6	14.5	13.0	11.5	11.8	11.8	14.2	17.2	19.4	20.3	19.3	17.3	16.6	16.8	17.2	15.4
5	16.6	15.0	10.9	12.8	12.6	14.4	11.7	15.4	13.4	17.4	12.3	18.6	20.1	19.6	20.2	20.3	20.9	21.4	21.1	19.0	17.4	16.3	15.9	15.2	16.6
6	16.0	14.9	14.7	15.6	16.2	16.4	16.1	18.1	18.5	14.2	12.9	11.8	11.8	12.4	13.0	16.4	18.7	19.2	19.2	17.9	16.6	15.4	14.9	14.9	15.6
7	15.2	14.6	15.5	15.8	14.6	15.4	16.3	16.1	15.2	13.7	13.7	14.2	12.8	11.9	12.7	14.1	16.8	18.5	19.5	18.9	18.3	16.6	15.7	14.9	15.4
8	14.6	14.8	15.2	15.7	15.4	15.0	15.4	15.5	17.5	14.6	13.0	13.4	14.0	12.4	13.1	17.3	19.7	20.6	20.1	18.4	17.5	16.2	15.6	15.7	15.9
9 Q	15.5	14.9	14.6	13.0	13.5	15.5	15.5	14.6	14.0	13.4	13.4	13.4	12.6	11.4	12.0	15.2	18.3	20.2	20.6	18.8	17.0	16.4	16.1	15.5	15.3
10 Q	14.9	15.2	14.8	15.3	15.2	14.9	15.0	14.8	14.7	14.4	14.4	14.0	13.5	12.5	13.1	15.8	17.5	19.3	19.7	18.0	16.5	15.6	15.3	14.7	15.4
11	14.6	14.5	14.6	14.7	14.7	14.9	14.7	14.4	14.3	13.7	13.8	13.5	12.8	11.1	13.8	15.2	17.5	18.9	19.8	20.4	19.6	18.4	16.2	16.1	15.5
12	9.7	13.0	13.8	14.7	16.0	16.1	15.7	15.2	16.5	16.8	15.3	16.0	14.9	14.5	7.4	15.3	17.1	17.5	20.1	19.6	20.5	19.5	14.8	13.9	15.5
13 D	13.2	10.8	2.3	9.5	12.1	23.0	30.1	16.8	22.5	17.5	20.3	22.6	35.2	41.4	15.7	15.9	18.9	18.5	20.6	21.0	18.9	17.0	13.8	16.3	18.9
14 D	15.3	13.0	13.0	5.8	8.1	20.8	26.3	19.9	16.7	17.8	17.7	18.4	34.9	20.2	14.2	14.2	17.6	21.2	20.7	23.5	19.6	18.0	14.8	16.3	17.8
15 D	14.9	14.7	15.7	16.2	10.5	18.9	11.5	19.6	19.4	16.6	19.8	29.5	37.6	32.7	22.4	25.3	18.4	19.4	20.3	18.9	18.6	16.6	14.8	14.8	19.5
16 D	14.7	12.0	-3.1	3.3	10.8	22.2	18.9	14.6	19.7	20.9	15.0	15.5	14.0	13.9	13.6	17.1	20.8	20.2	20.8	18.9	18.5	16.6	7.1	12.1	14.9
17	13.9	12.2	8.5	14.1	15.7	16.8	17.5	15.9	15.4	15.1	14.8	16.6	15.7	14.0	13.6	14.5	18.4	21.2	22.1	19.4	17.2	14.4	10.0	16.2	15.6
18	15.3	7.2	13.2	9.9	13.8	16.6	18.6	17.2	16.2	16.8	22.0	20.6	15.9	13.4	14.5	16.9	17.6	19.0	18.5	18.7	17.7	16.6	15.3	13.8	16.0
19 D	6.0	10.7	10.8	21.5	10.7	12.7	13.2	18.5	17.5	17.7	19.5	17.7	18.8	29.9	23.3	16.3	18.9	19.7	18.9	18.6	19.6	18.1	16.3	15.7	17.1
20	13.2	15.1	11.2	10.3	16.7	23.5	17.6	18.6	24.5	17.6	16.3	15.1	14.1	15.8	15.6	21.1	23.6	22.6	19.9	17.6	17.1	9.9	16.6	15.0	17.0
21	10.6	14.5	15.0	15.5	16.7	15.5	20.0	22.3	19.0	17.8	21.8	19.0	15.5	13.0	11.8	14.6	17.7	19.5	20.0	19.4	20.0	18.1	16.1	14.6	17.0
22	15.0	13.7	14.6	15.5	16.0	16.8	17.3	18.7	17.2	15.4	15.0	14.1	14.1	12.7	12.7	15.5	18.1	19.0	19.4	19.0	17.8	16.3	15.1	15.8	16.0
23	15.5	14.9	15.1	13.8	14.5	16.0	16.8	18.7	22.1	20.9	16.3	7.4	11.5	9.6	12.2	13.8	17.7	18.8	21.9	21.1	21.0	20.3	22.2	18.2	16.7
24	7.6	12.4	14.3	13.2	14.5	18.2	15.0	16.5	16.3	16.4	16.9	17.0	14.5	13.6	14.1	16.3	20.2	23.1	21.3	19.0	17.6	17.3	16.2	16.0	16.1
25	14.7	15.5	15.4	15.1	8.8	14.9	18.2	17.1	15.9	15.7	14.8	15.8	17.3	14.0	13.7	16.4	18.5	19.8	19.1	19.0	18.3	17.0	16.3	12.7	16.0
26	14.6	15.8	10.5	14.3	14.9	15.4	16.5	15.7	14.7	15.0	14.4	15.0	14.6	13.3	13.1	15.5	17.0	18.7	19.4	19.1	17.8	16.7	15.8	14.9	15.6
27	14.3	13.7	10.9	14.0	14.5	14.0	15.9	24.1	16.0	13.9	13.3	12.7	14.2	11.6	11.5	14.9	18.7	21.4	21.3	19.9	18.2	16.9	15.8	15.2	15.7
28 Q	14.0	14.1	13.7	14.0	14.5	15.4	16.3	15.9	15.5	15.1	14.6	14.2	14.0	12.7	13.0	14.6	17.0	18.7	19.6	18.6	17.3	16.7	17.3	17.0	15.6
29	15.8	14.3	11.4	14.8	14.5	14.6	15.6	15.8	15.5	15.7	17.6	15.0	14.4	13.1	13.3	14.9	16.7	17.2	17.3	16.4	16.1	16.4	15.8	15.4	15.3
30 Q	15.6	15.3	15.6	15.2	15.3	16.0	15.6	15.7	15.6	14.7	15.1	15.1	14.6	14.2	13.4	13.8	15.6	16.8	17.8	17.4	17.0	16.6	15.6	15.0	15.5
31																									
Mean	14.0	13.7	12.6	13.7	14.0	16.5	16.8	16.9	16.7	15.8	15.6	15.7	16.4	15.5	13.9	16.2	18.4	19.6	19.9	19.0	18.0	16.6	15.4	15.3	16.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 43. Agincourt. (Z) 56,000 γ + November, 1853.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	238	235	236	238	238	234	233	234	235	235	235	236	238	234	230	224	223	227	234	241	241	241	241	238	235
2 Q	236	234	233	235	233	227	222	230	233	233	233	230	230	229	226	223	222	226	228	230	233	234	235	236	230
3	235	235	234	233	234	233	233	233	234	234	233	230	232	231	227	222	222	224	227	232	234	232	233	236	232
4	237	234	232	233	233	232	230	230	230	230	231	231	230	230	227	222	222	227	229	230	231	233	233	236	230
5	242	251	254	248	241	225	220	214	202	211	198	219	217	225	225	226	230	235	237	236	237	237	237	237	230
6	237	240	240	237	236	236	234	231	228	231	231	231	231	229	228	224	229	231	233	235	237	234	232	232	233
7	235	234	234	235	235	235	238	238	237	235	235	234	234	235	233	231	228	231	236	238	235	233	232	232	234
8	231	232	232	232	232	231	232	232	227	226	229	231	232	233	229	229	232	231	228	230	232	233	235	238	231
9 Q	238	236	236	235	232	227	225	231	233	233	232	232	232	233	232	229	230	235	237	238	238	236	237	235	234
10 Q	233	232	233	232	232	231	231	231	231	231	229	230	230	228	226	223	225	226	230	231	233	230	230	230	230
11	228	228	228	228	229	229	229	228	227	227	227	227	227	228	227	224	223	225	225	230	235	234	233	234	229
12	238	247	245	241	238	235	234	234	228	220	215	214	217	217	217	217	221	226	228	234	240	250	252	243	231
13 D	241	246	240	226	221	164	106	176	191	217	211	210	214	205	211	220	228	236	241	246	262	261	254	251	220
14 D	241	238	240	212	218	218	181	187	197	215	219	216	201	215	227	230	233	246	258	268	283	268	258	250	230
15 D	241	241	240	239	233	222	200	178	153	188	212	200	205	213	229	237	247	245	250	261	252	251	247	245	227
16 D	244	248	218	208	216	199	206	183	212	215	229	235	236	238	237	239	242	248	258	253	251	247	248	242	231
17	244	241	224	235	236	233	238	238	238	238	235	230	229	228	229	231	234	240	247	250	251	253	257	248	239
18	246	241	234	217	227	239	234	237	238	235	221	230	238	233	230	229	238	241	245	245	244	245	242	244	237
19 D	246	248	230	196	216	204	183	204	222	230	228	232	225	224	230	228	234	236	242	251	259	265	254	251	230
20	248	243	239	231	238	216	223	228	217	219	231	234	235	237	237	235	242	240	245	247	254	261	258	260	238
21	247	246	242	242	237	234	229	211	209	219	218	223	225	234	233	225	229	233	240	242	247	246	243	242	233
22	242	241	239	239	236	236	235	234	236	235	236	236	235	234	230	227	230	234	238	238	239	238	237	236	236
23	238	239	236	236	235	234	230	222	201	189	193	213	220	228	229	222	228	233	236	241	248	260	265	272	231
24	269	251	242	236	228	204	216	235	236	236	236	235	239	240	234	230	231	231	236	237	239	241	239	240	236
25	242	242	239	239	229	229	240	239	236	236	233	231	230	230	226	225	228	232	236	240	242	237	242	245	235
26	242	248	249	246	239	236	236	233	233	234	233	231	235	233	230	229	233	235	241	241	235	236	236	236	237
27	237	236	237	237	237	235	231	220	230	232	231	232	234	236	231	226	229	234	241	240	238	237	237	237	234
28 Q	237	237	237	235	234	232	231	234	234	232	232	231	232	232	230	229	231	232	234	235	234	234	233	237	233
29	237	237	240	240	237	232	234	234	233	232	233	233	234	234	231	225	226	229	231	233	232	232	231	231	233
30 Q	229	233	231	231	229	231	230	231	231	231	229	229	228	227	226	228	229	227	229	229	231	231	231	230	230
31																									
Mean	240	240	237	233	232	226	221	223	223	226	226	227	228	229	228	227	230	233	237	240	242	242	241	241	232

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 44 Agincourt — November 1953

Day	Horizontal Force						Declination							Vertical Force					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	22	36	515	14	47	488	27	18	58	21.7	13	52	10.4	11.3	19	55	245	16	30	221	24
2	20	28	526	14	1	497	29	6	15	21.1	12	28	12.3	8.8	0	1	237	6	42	216	21
3	20	42	524	13	37	488	36	18	30	20.9	13	2	11.8	9.1	23	55	239	15	50	217	22
4	1	45	513	15	47	479	34	18	38	20.8	1	43	9.6	11.2	0	7	240	15	47	219	21
5	9	41	509	6	35	462	47	9	24	23.0	5	55	8.2	14.8	1	52	256	10	50	184	72
6	10	53	515	13	50	483	32	7	51	22.0	12	48	10.6	11.4	1	55	242	15	22	223	19
7	19	58	519	14	35	483	36	18	13	19.5	13	50	10.9	8.6	7	55	239	16	31	226	13
8	22	2	527	14	40	491	36	17	25	21.0	13	45	11.8	9.2	23	55	239	8	55	224	15
9	5	43	524	15	46	489	35	18	5	21.0	13	35	11.4	9.6	0	5	239	5	53	218	21
10	21	1	525	16	24	494	31	18	0	19.8	13	38	12.1	7.7	0	5	233	15	20	222	11
11	9	28	522	23	59	500	22	19	27	20.9	13	16	10.0	10.9	23	55	237	15	48	220	17
12	12	22	535	1	17	470	65	18	56	22.1	0	45	4.3	17.8	22	21	256	11	32	208	48
13	13	43	524	6	8	388	136	13	2	53.4	2	32	-1.3	54.7	20	53	273	6	5	46	227
14	11	0	509	17	36	431	78	12	49	42.5	3	51	-5.6	48.1	20	25	297	6	26	168	129
15	5	48	529	15	51	450	79	12	51	40.4	4	44	0.2	40.2	19	30	265	8	40	141	124
16	2	32	531	18	9	440	91	5	7	34.5	2	29	-18.3	52.8	18	38	262	7	11	173	89
17	2	14	522	20	56	448	74	18	20	24.8	2	7	-1.3	26.1	22	6	263	2	33	210	53
18	19	32	520	15	14	470	50	10	51	25.7	3	17	5.8	19.9	9	30	248	3	26	200	48
19	3	0	555	13	43	424	131	13	22	33.5	2	48	-5.0	38.5	21	40	266	3	8	169	97
20	5	24	527	15	28	448	79	5	48	30.1	21	1	6.0	24.1	21	5	272	9	14	198	74
21	0	37	521	10	52	480	41	7	42	24.2	0	29	1.7	22.5	0	17	257	8	20	205	52
22	21	58	513	15	49	492	21	17	55	20.5	1	22	10.6	9.9	1	22	243	15	18	225	18
23	18	22	541	23	46	466	75	8	14	25.1	11	30	2.7	22.4	23	5	278	10	32	176	102
24	20	35	510	0	27	437	73	17	15	23.7	0	36	0.6	23.1	0	17	289	5	38	192	97
25	20	0	546	15	50	482	64	20	10	21.3	4	48	1.3	20.0	20	1	256	4	56	216	40
26	20	31	524	1	58	481	43	19	16	20.0	2	4	8.6	11.4	2	5	251	14	50	225	26
27	21	10	523	16	51	484	39	7	13	28.6	2	44	6.3	22.3	18	58	243	7	43	214	29
28	20	42	524	16	0	491	33	18	8	19.7	13	55	12.3	7.4	23	45	240	15	50	225	15
29	23	12	520	2	27	484	36	10	25	18.8	2	35	5.4	13.4	2	35	244	15	48	223	21
30	21	4	525	15	40	498	27	21	4	18.0	15	27	13.2	4.8	2	0	233	16	59	226	7
31																					
Mean			524			471	53			25.3			5.6	19.7			253			201	52
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, 1953.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	515	514	511	508	512	514	509	514	517	519	520	520	520	512	506	496	496	503	512	522	525	525	522	522	514
2 Q	519	519	519	514	510	508	513	517	517	518	515	516	519	514	506	499	498	502	511	515	517	518	520	519	514
3	518	515	506	506	506	505	511	511	515	517	518	525	526	522	520	517	514	512	514	518	519	524	520	514	516
4	492	500	507	508	503	499	502	507	511	513	513	516	518	513	514	510	509	512	518	522	521	521	519	513	511
5	506	500	497	500	503	505	503	507	510	510	513	512	511	510	503	500	500	507	512	518	519	523	521	520	509
6	518	511	509	511	515	513	513	513	516	521	523	523	513	504	505	514	508	506	508	513	523	516	521	516	514
7	510	506	487	506	507	508	508	513	510	509	508	509	509	506	502	501	502	503	508	513	516	521	514	513	508
8	513	508	511	508	510	510	512	506	509	512	516	518	516	511	505	495	503	506	513	516	518	519	516	506	511
9	501	513	513	513	513	512	511	511	510	510	511	513	511	505	497	485	486	489	495	503	499	516	518	516	506
10	513	511	510	506	508	508	510	511	510	506	511	517	511	504	498	494	495	503	513	519	523	524	521	513	510
11 D	499	502	504	502	505	517	508	506	512	502	502	522	510	474	503	494	486	477	471	489	489	476	483	486	497
12 D	492	499	486	489	487	479	470	479	491	496	502	503	497	496	492	469	484	475	471	482	490	501	501	489	488
13 D	494	495	499	496	505	500	494	496	500	499	506	514	506	504	497	494	489	494	493	489	491	504	512	513	499
14	507	507	504	497	502	502	504	506	506	504	507	505	504	500	497	490	488	489	496	498	499	508	508	507	502
15	509	508	507	506	506	504	505	507	508	508	512	513	512	506	499	494	492	494	497	492	492	494	502	502	503
16	502	491	496	502	502	504	504	504	499	507	515	512	512	509	506	500	497	498	507	515	520	520	518	516	506
17	514	506	508	508	508	511	511	511	511	512	514	514	514	514	514	511	503	505	511	515	516	514	509	519	512
18	511	508	509	506	505	503	504	508	508	508	509	513	514	514	509	503	500	499	506	512	512	516	514	509	508
19	509	511	510	509	506	508	508	512	514	517	519	519	519	519	511	500	496	495	500	510	514	514	513	509	510
20	507	504	504	497	498	499	501	506	509	509	510	510	509	508	503	500	503	505	509	517	514	514	514	512	507
21	510	506	506	504	503	506	506	507	508	509	509	512	512	513	506	500	496	501	508	514	516	519	514	507	508
22 D	517	520	519	516	511	527	506	509	517	522	518	514	515	514	512	509	503	503	499	498	504	512	516	516	512
23 Q	511	509	506	506	505	506	508	509	508	509	509	508	506	504	501	496	504	506	501	511	519	522	519	517	508
24	514	513	509	516	504	509	501	503	505	506	505	504	506	501	493	486	488	491	497	507	514	517	519	514	505
25	509	514	513	506	504	504	504	506	506	509	506	504	504	493	491	480	480	486	499	509	521	522	506	514	504
26	512	511	509	506	506	505	504	506	506	507	509	511	509	503	495	493	497	506	509	514	519	506	504	510	507
27	511	513	511	509	506	506	504	502	507	513	510	510	508	503	496	489	492	511	524	527	527	508	506	511	508
28	509	509	499	504	506	503	498	499	501	501	501	505	511	503	493	496	498	504	516	512	517	517	519	514	506
29 D	504	512	510	508	507	506	507	512	512	511	510	513	512	508	506	513	519	517	527	529	532	530	508	504	513
30 Q	510	508	510	508	504	507	510	509	513	518	514	509	512	512	511	507	503	504	508	516	520	521	518	516	511
31 Q	512	511	511	505	504	499	501	505	511	511	511	512	510	507	501	495	496	504	515	520	520	516	516	516	509
Mean	509	508	506	506	505	506	505	507	509	510	511	513	511	507	503	498	498	500	505	511	514	515	513	511	508

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46. Agincourt. (D.) West 7°+ . . . ′ December, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	15.2	14.6	14.8	14.4	14.2	14.8	15.4	15.9	15.3	15.0	15.0	14.5	14.4	13.8	13.3	14.8	17.0	18.8	19.2	18.5	16.9	16.8	16.2	15.3	15.6
2 Q	14.8	13.7	14.7	15.1	15.6	15.9	18.3	16.4	15.2	14.3	13.7	14.0	13.7	13.2	13.2	14.7	16.7	18.6	18.7	17.8	17.4	16.5	15.9	15.1	15.6
3	15.2	14.7	12.6	13.2	16.5	15.6	16.3	15.8	15.2	14.3	14.7	15.5	14.6	14.4	16.6	17.5	19.2	20.5	20.5	19.2	17.0	15.3	15.0	15.9	16.0
4	16.8	15.0	16.7	15.1	14.7	15.5	15.5	15.5	14.8	14.8	14.7	15.2	14.6	14.0	14.3	16.5	16.9	17.9	19.2	17.9	16.0	16.5	15.9	15.9	15.8
5	14.1	13.1	12.4	13.5	14.9	15.8	16.5	16.4	16.0	15.2	15.5	15.3	15.3	14.9	15.2	16.4	17.7	18.6	17.8	16.7	16.4	15.9	15.2	14.9	15.6
6	15.2	14.6	15.0	15.2	15.2	15.3	15.1	15.6	15.6	14.5	14.4	13.8	14.3	16.1	18.3	18.0	19.2	18.8	18.3	17.4	17.4	17.4	17.0	15.9	16.1
7	14.7	14.2	10.1	14.2	14.9	15.1	15.9	16.8	15.5	15.0	14.4	15.1	14.8	14.3	14.9	16.8	17.4	17.9	18.7	18.4	17.7	16.8	16.7	15.3	15.7
8	15.1	14.9	14.6	14.4	15.0	15.7	15.2	14.5	14.7	14.2	14.4	14.3	14.0	12.7	12.3	16.5	18.7	19.7	19.8	19.2	18.0	17.5	17.4	16.8	15.8
9	15.1	14.7	14.3	14.6	15.0	15.6	15.7	15.9	16.0	16.5	15.2	15.1	14.7	13.8	13.8	14.9	17.6	19.6	21.3	21.1	20.4	17.8	16.8	16.1	16.3
10	15.5	14.2	14.7	15.1	15.2	15.6	16.8	18.3	16.8	15.2	17.7	14.2	13.6	13.8	14.4	16.5	17.8	19.4	20.1	18.6	17.0	16.0	15.5	15.9	16.2
11 D	14.8	13.5	13.9	12.9	19.0	20.4	16.2	15.7	15.8	12.5	21.1	16.3	16.2	30.6	25.7	19.5	20.1	22.9	24.7	23.0	24.0	18.0	16.3	14.2	18.7
12 D	7.5	15.3	12.6	8.0	11.1	15.9	14.3	22.0	19.7	16.0	15.0	15.5	19.7	16.2	15.7	19.0	17.6	20.2	19.3	19.8	18.4	16.9	16.0	6.8	15.8
13 D	14.3	15.1	14.8	14.3	16.9	15.5	17.0	16.9	17.2	17.4	17.5	16.0	16.5	17.2	15.7	15.7	16.9	18.8	19.3	20.4	17.0	18.9	16.7	15.3	16.8
14	15.1	14.8	14.8	13.9	14.7	15.6	16.9	16.7	19.6	17.9	16.1	15.1	14.8	14.5	13.9	16.4	18.8	20.3	19.9	19.3	19.3	16.9	16.0	15.3	16.5
15	15.1	15.2	14.9	15.6	15.2	15.2	17.5	16.9	16.9	14.8	14.8	14.1	15.2	14.7	13.3	15.5	17.9	18.8	19.2	19.8	20.1	18.4	18.9	15.6	16.4
16	14.7	12.5	12.7	15.1	15.3	16.2	16.5	16.5	19.2	17.5	14.7	15.5	15.0	13.5	12.0	13.3	15.8	17.6	17.9	17.4	16.6	16.0	15.7	14.1	15.5
17	14.7	14.0	14.1	14.3	14.2	14.8	15.1	16.2	15.3	15.3	15.2	15.2	14.8	13.9	13.0	13.9	15.7	17.2	17.6	17.2	16.9	16.9	16.5	15.2	15.3
18	14.8	12.3	15.2	15.0	15.2	15.6	16.3	16.4	15.7	15.2	15.2	15.2	15.0	14.5	14.1	16.1	17.9	18.4	17.5	16.6	16.9	16.1	15.7	14.7	15.7
19	14.3	14.5	14.8	15.0	15.4	15.7	16.0	17.0	15.5	14.8	14.3	14.3	14.9	14.2	14.2	16.7	18.4	20.5	20.7	19.2	18.9	17.9	17.9	15.5	16.3
20	14.8	14.6	15.2	15.4	15.1	15.1	15.4	15.9	15.1	15.1	14.9	14.2	14.0	13.8	14.2	15.4	18.2	19.2	18.9	17.9	16.9	15.6	15.2	15.2	15.7
21	14.5	13.8	14.8	16.0	16.1	16.1	16.6	16.3	15.6	15.4	15.6	15.5	14.5	13.6	14.5	15.4	16.5	16.9	17.2	16.3	16.1	16.0	16.9	13.2	15.6
22 D	14.2	13.8	13.7	14.2	14.7	15.9	16.5	16.1	15.6	14.8	15.4	15.5	14.6	13.9	14.3	16.3	17.8	20.6	20.5	20.0	19.2	17.6	16.5	15.0	16.1
23 Q	14.7	14.7	15.0	15.4	15.4	16.0	16.4	16.1	16.1	16.0	15.5	15.4	15.1	14.3	14.2	15.1	17.8	19.7	20.6	20.0	17.9	17.2	16.0	15.7	16.3
24	15.2	16.2	14.2	16.1	15.7	16.3	16.4	15.3	16.5	16.5	16.0	15.3	13.9	13.2	13.6	15.5	17.9	19.0	19.5	19.3	18.8	16.9	16.6	15.1	16.2
25	14.1	14.7	15.0	15.1	15.4	15.1	15.2	14.7	14.7	14.8	14.1	13.6	13.2	12.4	14.9	16.6	19.4	19.9	19.7	17.8	17.0	16.6	17.4	15.7	15.7
26	14.8	14.2	14.5	15.1	15.6	15.5	15.9	15.9	15.8	15.7	15.1	14.7	13.9	12.9	14.1	16.0	18.3	19.3	18.9	17.5	17.0	18.0	18.9	16.6	16.0
27	14.7	14.5	15.1	15.2	15.1	14.8	13.3	13.9	15.1	15.2	15.7	16.0	14.8	13.9	13.5	16.3	20.0	21.7	20.3	18.9	17.9	17.8	14.4	17.5	16.0
28	14.7	15.5	14.3	16.5	16.6	16.1	15.1	15.3	14.8	14.8	14.4	14.3	12.9	13.9	15.0	18.3	20.2	21.6	20.2	19.2	16.2	15.1	14.1	14.6	15.9
29 D	12.3	14.6	15.2	15.5	15.5	15.9	15.9	15.3	14.8	15.0	14.8	14.0	13.1	14.4	14.8	16.6	17.8	19.3	17.9	16.9	16.0	16.6	17.8	15.3	15.7
30 Q	14.3	14.2	14.8	14.6	14.4	14.8	14.6	14.1	15.6	15.7	14.1	13.9	15.0	12.2	11.4	13.1	15.1	17.8	18.8	18.8	17.4	15.5	14.8	14.8	14.9
31 Q	14.4	14.1	13.9	14.4	16.1	15.2	17.1	14.8	13.2	14.2	15.7	15.7	14.7	13.5	13.9	16.1	17.9	19.7	20.0	18.9	17.0	16.2	16.0	15.9	15.8
Mean	14.5	14.4	14.3	14.7	15.3	15.8	16.0	16.1	15.9	15.3	15.3	14.9	14.8	14.7	14.7	16.1	17.9	19.4	19.4	18.7	17.8	16.9	16.3	15.1	16.0

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 47. Agincourt. (Z) 56,000 γ + December, 1953.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	229	230	229	229	229	229	229	229	231	231	229	228	227	227	226	220	220	223	229	229	229	229	227	226	227
2 Q	226	226	225	226	226	226	223	224	226	225	225	225	223	223	223	222	220	220	221	225	230	229	228	223	224
3	227	225	227	227	227	227	229	230	229	227	227	225	222	222	217	214	214	217	223	226	229	229	229	229	225
4	238	247	239	233	230	231	232	232	230	230	229	229	227	226	225	218	222	224	228	230	230	230	231	231	230
5	232	233	236	234	233	231	230	231	230	230	228	228	229	228	227	221	222	224	226	228	230	229	230	228	229
6	227	227	228	227	227	227	227	224	224	225	224	221	221	220	218	215	216	218	222	225	230	230	230	230	224
7	230	231	236	234	230	227	226	226	227	227	224	225	225	224	221	221	225	225	227	230	230	228	229	230	227
8	227	226	227	227	227	227	224	225	225	227	226	226	225	225	224	219	220	221	227	226	230	230	230	233	226
9	241	234	232	227	227	226	226	227	225	225	224	224	225	225	222	219	221	226	231	236	237	233	231	230	228
10	230	230	230	227	227	224	224	221	221	221	220	220	224	225	221	221	225	228	228	227	227	225	225	225	225
11 D	227	228	227	226	224	201	218	218	223	215	205	196	201	201	204	212	221	227	234	237	267	277	260	261	225
12 D	249	245	242	225	216	191	190	215	221	231	232	226	227	225	219	225	234	234	245	245	242	238	238	239	229
13 D	239	236	233	231	222	219	222	226	228	226	223	221	222	225	219	219	221	227	232	232	239	238	234	232	228
14	230	231	228	230	228	227	228	227	225	222	222	226	226	228	226	222	225	231	233	232	233	232	231	228	228
15	231	228	228	228	226	226	225	216	225	225	226	225	225	226	224	222	222	225	228	231	233	238	239	234	227
16	229	232	231	227	226	225	225	225	222	215	218	222	222	226	222	219	219	222	225	225	225	225	225	223	224
17	222	222	224	222	221	220	220	219	219	219	219	219	219	219	216	210	215	216	220	225	222	222	222	222	220
18	222	224	222	220	220	220	220	219	219	219	219	219	219	219	216	212	213	219	223	223	224	224	222	220	220
19	222	222	220	220	219	219	216	216	216	217	216	216	215	215	212	211	213	216	221	225	225	224	223	222	218
20	222	222	222	222	225	225	225	220	222	222	219	219	219	217	210	211	216	221	221	222	219	219	220	220	220
21	223	223	222	223	223	223	223	223	223	223	221	220	220	220	217	215	217	220	223	222	222	223	223	225	221
22 D	223	220	220	217	217	198	212	217	220	217	217	217	217	216	212	213	214	220	223	223	226	226	226	222	218
23 Q	223	223	224	223	223	222	222	220	220	220	220	220	220	220	219	214	216	219	222	224	223	223	222	222	221
24	226	227	228	220	221	223	222	216	220	220	220	221	221	220	217	217	220	223	223	221	226	223	223	223	221
25	222	220	217	217	219	220	214	218	220	221	218	217	219	217	214	211	214	220	223	223	223	221	220	223	219
26	220	220	217	216	216	217	219	220	219	219	217	217	217	217	214	217	220	220	220	221	223	221	227	226	219
27	223	222	221	221	220	220	217	220	220	217	218	219	220	220	217	217	220	217	215	215	217	223	226	227	220
28	226	226	227	227	223	221	220	220	220	220	220	221	220	216	215	217	220	220	223	226	223	221	221	220	221
29 D	221	222	220	220	220	221	221	220	219	219	220	220	217	214	214	214	214	217	218	212	216	220	221	226	219
30 Q	223	220	218	220	220	221	217	217	216	216	216	217	220	217	216	213	212	213	214	217	217	218	219	219	217
31 Q	219	218	217	218	219	220	218	218	216	214	217	218	218	219	217	214	211	209	212	215	218	218	218	218	217
Mean	228	227	226	225	223	221	222	222	223	222	222	221	221	220	218	217	219	222	225	226	228	228	228	227	223

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 48 Agincourt — December 1953

Day	Horizontal Force						Declination							Vertical Force					
	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	38	526	16	13	494	32	17	55	19.5	14	2	13.2	6.3	1	30	231	16	0	219	12
2	22	37	521	17	8	496	25	6	31	20.7	14	10	13.1	7.6	1	0	230	16	0	217	13
3	21	25	527	2	50	497	30	17	45	21.1	2	42	10.8	10.3	23	50	232	16	50	208	24
4	20	7	526	0	50	481	45	18	33	20.3	1	35	12.8	7.5	1	18	250	15	28	217	33
5	21	30	523	1	52	489	34	17	56	18.8	2	0	7.9	10.9	2	40	238	15	30	220	18
6	20	35	526	13	52	497	29	16	15	21.5	11	13	13.4	8.1	20	34	231	15	45	212	19
7	21	20	521	2	30	475	46	18	5	19.3	2	35	6.8	12.5	2	35	238	15	30	220	18
8	21	27	523	23	59	490	33	19	5	20.5	14	10	10.7	9.8	23	59	242	15	25	217	25
9	21	43	521	15	24	480	41	20	12	23.2	14	15	12.8	10.4	0	5	244	15	22	218	26
10	21	19	526	15	48	488	38	18	15	21.0	13	47	13.0	8.0	18	12	230	10	40	218	12
11	5	8	543	13	18	445	98	13	15	35.1	9	43	10.8	24.3	20	44	289	5	25	185	104
12	11	23	506	7	14	454	52	7	6	26.6	23	26	-0.3	26.9	0	3	254	5	48	169	85
13	11	40	515	20	1	481	34	19	13	21.2	0	1	10.7	10.5	21	0	246	3	50	215	31
14	22	30	510	17	5	484	26	8	55	21.0	3	30	12.9	8.1	18	55	235	9	20	219	16
15	10	48	521	20	12	481	40	20	15	21.5	11	0	13.2	8.3	21	51	240	7	32	213	27
16	22	0	524	1	16	486	38	8	41	22.5	1	18	9.6	12.9	2	20	232	9	37	213	19
17	23	6	526	16	30	497	29	18	2	17.9	14	57	12.4	5.5	19	35	225	15	48	209	16
18	21	6	517	17	50	494	23	18	2	18.8	1	12	9.0	9.8	1	13	226	15	36	212	14
19	22	35	522	17	31	490	32	17	55	21.4	0	1	13.6	7.8	20	5	226	15	20	209	17
20	19	48	523	4	49	494	29	17	15	20.2	13	35	13.3	6.9	4	40	226	14	41	208	18
21	21	15	520	16	51	492	28	17	52	17.9	23	33	11.0	6.9	23	42	226	16	13	214	12
22	5	25	547	19	41	484	63	19	32	21.8	5	4	10.8	11.0	21	20	227	5	35	186	41
23	21	17	524	15	27	494	30	18	30	21.1	14	51	13.3	7.8	19	45	226	15	6	214	12
24	3	7	523	16	9	483	40	19	47	20.2	2	48	12.7	7.5	2	40	229	7	33	211	18
25	21	22	527	15	37	475	52	17	2	20.9	13	36	11.6	9.3	20	0	223	15	3	208	15
26	20	23	524	15	15	488	36	17	24	19.8	13	33	12.6	7.2	22	50	228	14	44	212	16
27	20	19	529	16	15	483	46	17	40	22.2	22	13	11.7	10.5	22	4	229	18	50	213	16
28	22	27	524	14	40	488	36	17	39	22.7	2	57	10.2	12.5	2	50	230	13	40	213	17
29	1	20	540	22	58	493	47	18	12	20.4	0	38	10.9	9.5	23	15	226	14	52	210	16
30	21	42	527	16	38	499	28	19	45	19.6	14	3	10.8	8.8	0	5	223	17	0	211	12
31	20	4	520	16	10	494	26	18	20	20.2	9	0	12.9	7.3	3	57	221	17	30	208	13
Mean			524			486	38			21.2			11.2	10.0			234			210	24
No. days			31			31	31			31			31	31			31			31	31

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

HORIZONTAL FORCE (gammas) (All Days)

Table 49. Agincourt. 1953.

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	+5	+5	+1	0	+1	+1	-3	-2	+1	+6	+6	0	-6	-17	-13	-8	-4	+2	+6	+9	+7	+6
February	-1	-1	0	-2	-1	0	-2	-3	-3	+1	+5	+5	+3	+2	-1	-7	-10	-8	-3	+4	+8	+7	+6	+4
March	+8	+5	+1	-1	-3	-1	+2	+1	+1	-1	+4	0	0	-5	-10	-20	-21	-12	-5	+7	+15	+13	+13	+13
April	+5	0	-1	-1	+1	-3	-3	-2	-2	0	0	-2	-5	-11	-21	-23	-14	-5	+7	+14	+18	+15	+12	+10
May	+8	+5	+2	+1	-3	-7	-7	-7	-3	-5	-9	-9	-11	-19	-24	-24	-14	-1	+11	+23	+28	+26	+22	+14
June	+7	+4	+2	0	0	-1	-2	-6	-2	-6	-4	-4	-7	-15	-18	-17	-15	-4	+7	+16	+24	+21	+14	+11
July	+7	+2	+1	0	-2	-3	+1	-1	-5	-9	-6	-8	-9	-13	-19	-21	-15	-4	+8	+20	+24	+22	+18	+16
August	+8	+8	+3	-1	-3	-2	-3	+1	-4	-5	-2	-3	-8	-18	-26	-28	-19	-5	+7	+18	+23	+22	+18	+13
September	+11	+2	0	+2	+3	0	-7	-10	-3	+3	-2	+1	-6	-15	-23	-24	-18	-6	+7	+14	+17	+16	+17	+16
October	+3	-1	-2	-2	-1	+1	-2	-1	0	+3	+10	+10	+2	-7	-16	-21	-13	-7	+2	+9	+10	+7	+7	+3
November	+2	0	0	0	-3	-1	-1	+1	+2	+4	+4	+6	+4	-3	-6	+11	-11	-8	-1	+5	+6	+5	+6	+5
December	+1	0	-2	-2	-3	-2	-3	-1	+1	+2	+3	+5	+3	-1	-5	-10	-10	-8	-3	+3	+6	+7	+5	+3
Year	+5.2	+2.5	+0.8	0.0	-1.2	-1.6	-2.2	-2.2	-1.8	-1.2	+0.3	+0.6	-2.3	-8.8	-14.6	-18.6	-14.4	-6.3	+2.7	+11.2	+15.4	+14.2	+12.1	+9.5
Winter	+1.2	+1.0	+0.8	+0.2	-1.5	-0.8	-1.2	-0.5	-0.8	+1.2	+3.2	+5.5	+4.0	-0.5	-4.5	-11.2	-11.0	-8.0	-2.8	+3.5	+6.5	+7.0	+5.8	+4.5
Equinox	+6.8	+1.5	-0.5	-0.5	0.0	-0.8	-2.5	-3.0	-1.0	+1.2	+3.0	+2.2	-2.2	-9.5	-17.5	-22.0	-16.5	-7.5	+2.8	+11.0	+15.0	+12.8	+12.2	+10.5
Summer	+7.5	+4.8	+2.0	0.0	-2.0	-3.2	-2.8	-3.2	-3.5	-6.2	-5.2	-6.0	-8.8	-16.2	-21.8	-22.5	-15.8	-3.5	+8.2	+19.2	+24.8	+22.8	+18.0	+13.5

DECLINATION (minutes) (All Days)

Table 50. Agincourt. 1953.

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	+2.5	+2.8	+2.7	+1.8	+0.9	+0.7	+0.3	-0.2	+0.4	+1.3	-0.9	+0.3	+1.3	+1.9	+0.6	-2.0	-3.8	-4.5	-3.8	-2.7	-1.2	0.0	+1.0	+1.4
February	+1.9	+2.3	+2.0	+2.3	+1.4	+0.8	+0.5	-0.3	-1.6	-0.4	+1.3	+1.2	+1.2	+1.7	+1.7	-0.1	-2.3	-3.4	-3.9	-3.4	-2.4	-1.4	-0.6	+0.9
March	+1.3	+2.2	+3.4	+4.2	+3.4	+1.6	+0.5	+0.5	+2.0	+1.3	+0.9	+0.2	+1.0	+2.6	+2.8	+0.8	-2.5	-4.8	-5.6	-5.3	-4.4	-3.4	-2.2	-1.1
April	+0.9	+2.2	+2.5	+2.5	+2.9	+1.6	+1.5	+0.8	+1.2	+1.7	+2.3	+3.8	+4.2	+3.9	+2.0	-1.2	-4.4	-6.1	-6.1	-5.7	-4.8	-3.7	-1.7	-0.6
May	+0.1	+0.8	+0.4	+1.4	+1.8	+0.2	+0.3	0.0	+0.5	+2.2	+2.7	+4.5	+5.6	+4.3	+1.5	-2.0	-4.5	-5.9	-6.0	-4.6	-2.9	-1.3	+0.2	+0.3
June	-0.4	+0.9	+0.5	+1.0	+0.9	+0.8	+0.7	-0.7	+1.0	+2.0	+4.0	+5.7	+6.3	+5.1	+2.7	0.0	-2.6	-5.0	-5.6	-5.6	-4.4	-3.3	-2.2	-1.2
July	+0.8	+1.5	+2.2	+1.7	+2.2	+0.8	+0.2	0.0	-1.0	-0.4	+2.4	+4.2	+5.7	+5.6	+3.7	+0.5	-2.9	-5.3	-6.1	-5.6	-4.9	-3.5	-2.1	-0.8
August	+1.9	+3.0	+3.1	+2.8	+1.8	+0.6	-0.8	-1.2	-1.1	+0.4	+2.7	+5.5	+6.3	+5.4	+2.3	-2.2	-5.5	-7.4	-7.4	-6.3	-4.2	-2.0	-0.1	+2.1
September	+2.9	+3.9	+4.3	+1.8	+0.8	-0.3	-1.6	-1.0	+1.7	+3.3	+2.6	+4.1	+4.0	+2.9	+0.1	-3.1	-5.9	-7.2	-6.9	-5.2	-2.8	-0.6	+0.7	+2.6
October	+2.0	+2.5	+2.6	+1.8	+1.7	+0.9	-0.2	+0.5	+0.9	-0.7	+0.6	+1.9	+1.9	+1.7	+1.7	-1.6	-3.7	-4.7	-4.4	-3.4	-2.3	-0.9	-0.5	+1.1
November	+2.1	+2.4	+3.5	+2.4	+3.1	-0.4	-0.7	-0.8	-0.6	+0.3	+0.5	+0.4	-0.3	+0.6	+2.2	-0.1	-2.3	-3.5	-3.8	-2.9	-1.9	-0.5	+0.7	+0.8
December	+1.5	+1.6	+1.7	+1.3	+0.7	+0.2	0.0	-0.1	+0.1	+0.7	+0.7	+1.1	+1.2	+1.3	+1.3	-0.1	-1.9	-3.4	-3.4	-2.7	-1.8	-0.9	-0.3	+0.9
Year	+1.5	+2.2	+2.3	+2.1	+1.7	+0.6	+0.1	-0.2	+0.3	+1.0	+1.6	+2.7	+3.2	+3.1	+1.9	-0.9	-3.5	-5.1	-5.2	-4.4	-3.2	-1.8	-0.6	+0.5
Winter	+2.0	+2.3	+2.5	+2.0	+1.3	+0.3	+0.2	-0.4	-0.4	+0.5	+0.4	+0.8	+0.8	+1.4	+1.4	-0.6	-2.6	-3.7	-3.7	-2.9	-1.8	-0.7	+0.2	+1.0
Equinox	+1.8	+2.7	+3.2	+2.6	+2.2	+1.0	0.0	+0.2	+1.4	+1.4	+1.6	+2.5	+2.8	+2.8	+1.6	-1.3	-4.1	-5.7	-5.8	-4.9	-3.6	-2.2	-0.9	+0.5
Summer	+0.6	+1.6	+1.6	+1.7	+1.7	+0.6	+0.1	-0.5	-0.2	+1.0	+3.0	+5.0	+6.0	+5.1	+2.6	-0.9	-3.9	-5.9	-6.3	-5.5	-4.1	-2.5	-1.0	+0.1

VERTICAL FORCE (gammas) (All Days)

Table 51. Agincourt. 1953.

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	+6	+5	+3	+4	+1	-2	-5	-11	-15	-19	-17	-8	-5	-5	-4	+1	+5	+9	+10	+10	+9	+9	+9
February	+9	+10	+9	+6	+1	-2	-7	+12	-17	-12	-7	-4	-3	-3	-4	-8	-6	-2	+3	+5	+9	+11	+11	+11
March	+17	+16	+9	+4	-7	-7	-18	-19	-15	-16	-14	-10	-8	-6	-5	-7	-3	+2	+7	+12	+15	+18	+19	+20
April	+18	+14	+8	-3	-6	-13	-18	-18	-17	-9	-9	-4	-3	-4	-3	-4	-4	-2	+2	+6	+10	+14	+17	+17
May	+19	+17	+2	-4	-9	-18	-23	-20	-15	-13	-12	-11	-9	-7	-5	-6	-2	+2	+8	+14	+21	+23	+26	+22
June	+13	+8	+7	0	-6	-8	-14	-21	-15	-14	-9	-5	0	-2	-2	-4	-3	0	+3	+8	+15	+18	+18	+16
July	+22	+17	+8	-6	-8	-21	-26	-21	-25	-18	-11	-5	-2	0	-2	-2	0	+1	+5	+11	+17	+21	+23	+21
August	+20	+11	+2	-9	-17	-27	-30	-22	-22	-18	-12	-5	-5	-2	+1	+1	+4	+6	+10	+17	+22	+25	+27	+25
September	+25	+12	-4	-9	-4	-16	-31	-27	-18	-11	-13	-9	-8	-6	-4	-1	+3	+9	+13	+17	+20	+20	+25	+28
October	+14	+10	+3	-8	-8	-9	-17	-18	-15	-17	-13	-5	-2	-1	-1	-1	0	+3	+8	+11	+16	+17	+19	+19
November	+8	+8	+5	+1	0	-6	-11	-9	-9	-6	-6	-5	-4	-3	-4	-5	-2	+1	+5	+8	+10	+10	+9	+9
December	+5	+4	+3	+2	0	-2	-1	-1	0	-1	-1	-2	-2	-3	-5	-6	-4	-1	+2	+3	+5	+5	+5	+4
Year	+14.9	+11.1	+4.8	-1.9	-5.0	-10.7	-16.5	-16.1	-14.9	-12.5	-10.1	-6.8	-4.5	-3.5	-3.2	-3.9	-1.3	+2.0	+6.2	+10.2	+14.2	+15.9	+17.3	+16.8
Winter	+7.8	+7.0	+5.5	+3.0	+1.2	-2.2	-5.2	-6.8	-9.2	-8.5	-8.2	-7.0	-4.2	-3.5	-4.5	-5.8	-2.8	+0.8	+4.8	+6.5	+8.5	+8.8	+8.5	+8.2
Equinox	+18.5	+13.0	+4.0	-4.0	-6.2	-11.2	-21.0	-20.5	-16.2	-13.2	-11.0	-7.0	-5.2	-4.2	-3.2	-3.2	-1.0	+3.0	+7.5	+11.5	+15.2	+17.2	+20.0	+21.0
Summer	+18.5	+13.2	+4.8	-4.8	-10.0	-18.5	-23.2	-21.0	-19.2	-15.8	-11.0	-6.5	-4.0	-2.8	-2.0	-2.8	-0.2	+3.2	+6.5	+12.5	+18.8	+21.8	+23.5	+21.0

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

HORIZONTAL FORCE (gammas) (Quiet Days)

Table 52. Agincourt. 1953

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	+3	+7	+2	+1	0	0	+2	+3	+4	+5	+4	+1	-7	-15	-21	-16	-8	+1	+6	+7	+8	+4	+4
February	+3	+1	0	-2	-3	-1	+1	+3	+3	+4	+4	+4	+2	0	-2	-9	-13	-9	-5	+1	+5	+4	+3	+5
March	+6	+4	+8	+3	+2	+3	+4	+3	+3	+3	+3	+4	0	-5	-11	-17	-19	-16	-9	+1	+8	+8	+5	+8
April	+4	+4	+1	-3	+1	+2	+3	+6	+1	-2	+1	-2	-5	-10	-17	-25	-15	-3	+7	+11	+13	+13	+9	+6
May	+8	+5	+2	+2	+1	+2	+4	+6	+4	+2	+1	-1	-5	-13	-19	-23	-20	-10	-1	+10	+12	+12	+11	+8
June	+6	+4	+2	+3	+1	-1	-2	-1	-3	-4	-4	-5	-8	-13	-16	-18	-14	-4	+3	+13	+21	+19	+11	+10
July	+7	+3	+1	+1	0	+4	+3	+1	0	-6	-5	-5	-7	-11	-17	-21	-15	-4	+11	+15	+14	+11	+7	+10
August	+9	+9	+9	+6	+4	+2	+5	+3	+3	+1	+1	-1	-12	-24	-31	-31	-17	-3	+9	+13	+14	+11	+10	+8
September	+5	+2	+1	-1	-2	+1	0	+4	+7	+7	+8	+6	-1	-11	-19	-23	-18	-10	0	+9	+13	+10	+5	+6
October	+5	+4	+4	+3	+1	+3	+3	+4	+4	+5	+5	+4	-1	-9	-18	-25	-21	-12	-1	+9	+9	+9	+8	+6
November	0	+1	+1	+2	+1	+3	+4	+3	+4	+5	+4	+3	0	-6	-12	-15	-14	-10	-2	+5	+8	+6	+5	+3
December	+3	+2	+1	-2	-4	-4	-3	0	+2	+4	+4	+3	+2	-1	-6	-13	-12	-8	-2	+5	+8	+9	+7	+6
Year	+4.9	+3.5	+3.1	+1.2	+0.2	+1.2	+1.8	+2.8	+2.6	+1.9	+2.2	+1.2	-2.8	-9.2	-15.2	-20.1	-16.2	-8.1	+0.9	+8.2	+11.0	+10.0	+7.1	+6.7
Winter	+2.2	+1.8	+2.2	0.0	-1.2	-0.5	+0.5	+2.0	+3.0	+4.2	+4.2	+3.5	+1.2	-3.5	-8.8	-14.5	-13.8	-8.8	-2.0	+4.2	+7.0	+6.8	+4.8	+4.5
Equinox	+5.0	+3.5	+3.5	+0.5	+0.5	+2.2	+2.5	+4.2	+3.8	+3.2	+4.2	+3.0	-1.8	-8.8	-16.2	-22.5	-18.2	-10.2	-0.8	+7.5	+10.8	+10.0	+6.8	+6.5
Summer	+7.5	+5.2	+3.5	+3.0	+1.5	+1.8	+2.5	+2.2	+1.0	-1.8	-1.8	-3.0	-8.0	-15.2	-20.8	-23.2	-16.5	-5.2	+5.5	+12.8	+15.2	+13.2	+9.8	+9.0

DECLINATION (minutes) (Quiet Days)

Table 53. Agincourt. 1953.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+0.8	+1.6	+1.3	-0.2	-0.3	-0.1	0.0	0.0	+0.4	+0.4	+0.8	+1.3	+2.0	+2.7	+2.0	-0.7	-2.9	-4.1	-3.4	-2.3	-0.8	0.0	+0.4	+0.9
February	+0.4	+0.5	+0.5	+0.4	+0.1	0.0	-0.2	+0.1	+0.2	+0.9	+1.7	+1.7	+2.0	+2.0	+1.8	0.0	-1.8	-2.8	-3.3	-2.5	-1.3	-0.4	-0.1	+0.2
March	-0.7	+0.4	+0.9	+0.6	+0.4	+0.1	+0.6	+1.2	+1.0	+1.2	+1.5	+1.9	+3.4	+4.3	+4.2	+1.8	-1.0	-3.7	-4.9	-4.3	-3.3	-2.4	-1.8	-1.2
April	-0.3	+0.4	+1.1	-0.3	+0.5	+0.6	+1.4	+1.4	+2.5	+2.1	+2.0	+3.7	+4.1	+5.6	+3.8	-0.2	-3.6	-5.2	-5.4	-5.3	-4.1	-2.9	-1.4	-0.3
May	-0.4	-0.5	-0.3	0.0	0.0	-0.5	+0.3	+0.8	+1.3	+2.0	+3.0	+4.6	+5.8	+5.7	+4.0	+0.7	-2.3	-4.5	-5.8	-5.0	-4.1	-2.7	-1.2	-0.5
June	-0.9	0.0	+0.1	+0.1	+0.2	+0.1	+0.6	+0.4	+1.7	+2.6	+4.3	+5.6	+6.4	+5.2	+3.3	+1.0	-2.9	-5.4	-6.1	-5.6	-4.4	-3.3	-1.9	-1.1
July	-0.5	+0.2	+0.2	+0.8	+1.1	-0.6	+0.6	-1.0	-0.2	+1.5	+4.2	+5.4	+6.4	+5.6	+3.7	+0.6	-2.8	-4.6	-5.3	-4.9	-4.0	-3.2	-2.2	-0.8
August	-0.6	-0.3	+0.2	+0.3	+0.9	+1.5	+0.9	+1.4	+2.0	+3.1	+4.0	+5.2	+6.6	+5.5	+2.2	-2.5	-6.2	-7.4	-6.6	-4.9	-2.8	-1.4	-0.5	-0.3
September	-0.5	-0.2	+0.3	+0.1	-0.7	+0.6	+0.7	+0.2	+2.4	+2.8	+2.6	+3.6	+4.6	+4.8	+2.8	-0.3	-3.1	-5.1	-5.7	-4.4	-2.1	-1.3	-1.2	-0.7
October	-0.1	+0.7	+0.7	+0.5	+0.4	+0.4	+0.3	+0.5	+1.4	+1.9	+2.0	+2.7	+4.0	+4.6	+3.8	+0.9	-2.9	-5.1	-5.8	-4.9	-3.3	-1.5	-0.8	-0.5
November	+0.5	+0.6	+0.7	+0.9	+0.9	+0.2	-0.4	+0.4	+0.6	+1.2	+1.1	+1.4	+1.9	+2.4	+2.3	+0.2	-1.9	-3.6	-4.0	-2.6	-1.4	-0.8	-0.5	0.0
December	+0.8	+1.2	+0.9	+0.7	+0.4	+0.2	-0.8	+0.1	+0.5	+0.6	+0.8	+0.9	+1.1	+2.3	+2.5	+0.9	-1.2	-3.2	-3.7	-3.1	-1.6	-0.7	0.0	+0.4
Year	-0.1	+0.4	+0.6	+0.3	+0.3	+0.2	+0.3	+1.5	+1.2	+1.7	+2.3	+3.2	+4.0	+4.2	+3.0	+0.2	-2.7	-4.6	-5.0	-4.2	-2.8	-1.7	-0.9	-0.3
Winter	+0.6	+1.0	+0.8	+0.4	+0.3	+0.1	-0.4	+0.2	+0.4	+0.8	+1.1	+1.3	+1.8	+2.4	+2.2	+0.1	-2.0	-3.4	-3.6	-2.6	-1.3	-0.5	0.0	+0.4
Equinox	-0.4	+0.5	+0.8	+0.2	+0.2	+0.4	+0.8	+0.9	+1.8	+2.0	+2.0	+3.0	+4.0	+4.8	+3.6	+0.6	-2.6	-4.8	-5.4	-4.7	-3.2	-2.0	-1.3	-0.7
Summer	-0.6	-0.2	0.0	+0.3	+0.6	+0.1	+0.6	+0.4	+1.2	+2.3	+3.9	+5.2	+6.3	+5.5	+3.3	0.0	-3.6	-5.4	-6.0	-5.1	-3.8	-2.6	-1.4	-0.7

VERTICAL FORCE (gammas) (Quiet Days)

Table 54. Agincourt. 1953.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+2	0	-1	0	0	+1	0	0	-1	-1	-1	-1	0	-1	-1	-1	-1	+1	+2	+1	0	0	+1	+2
February	+2	+1	+1	+2	+2	+2	+1	+1	+2	+1	0	0	-1	-2	-4	-8	-6	-4	-1	+2	+2	+1	+3	+2
March	+5	+6	0	+1	0	-1	-3	-2	-1	0	-1	0	0	0	-1	-4	-5	-3	0	0	0	+2	+3	+3
April	+6	+5	+6	+1	+1	-1	-2	-6	-9	-3	0	-2	-1	-3	-4	-5	-4	-4	-4	0	+3	+5	+8	+9
May	+2	+2	+3	+2	+2	+2	0	-1	-1	0	+1	-1	-2	-5	-6	-6	-3	-3	-2	+2	+3	+4	+5	+4
June	+4	+2	+1	0	-1	-1	-1	-3	-2	0	+1	0	0	-2	-3	-5	-5	-5	-5	-3	+3	+7	+8	+8
July	+8	+7	+6	+2	0	-3	-3	-5	-11	-6	-1	+1	0	-2	-4	-5	-6	-5	-4	-1	+4	+7	+10	+9
August	+1	+1	0	0	-1	-1	-1	0	-1	-1	0	0	-1	-2	-5	-8	-5	-2	0	+4	+6	+6	+5	+3
September	+2	+3	0	-1	0	-5	-1	+1	-1	0	+1	+1	-2	-3	-4	-4	-5	-3	+1	+2	+4	+6	+4	+3
October	+2	+2	+2	+1	+1	-2	-2	0	0	0	-1	+1	0	0	-2	-6	-7	-4	0	+1	+5	+4	+2	+2
November	+2	+2	+2	+1	0	-2	-4	0	+1	0	-1	-1	-1	-1	-3	-5	-4	-2	+1	+2	+4	+3	+3	+3
December	+2	+1	0	+1	+1	+2	0	0	0	0	0	0	0	0	-1	-4	-5	-4	-1	+1	+3	+3	+2	+1
Year	+3.2	+2.7	+1.7	+0.8	+0.4	-0.8	-1.3	-1.2	-2.0	-0.8	-0.2	-0.2	-0.7	-1.8	-3.2	-5.1	-4.7	-3.2	-1.1	+0.9	+3.1	+4.0	+4.5	+4.1
Winter	+2.0	+1.0	+0.5	+1.0	+0.8	+0.8	-0.8	+0.2	+0.5	0.0	-0.5	-0.5	-0.5	-1.0	-2.2	-4.5	-4.0	-2.2	+0.2	+1.5	+2.2	+1.8	+2.2	+2.0
Equinox	+3.8	+4.0	+2.0	+0.5	+0.5	-2.2	-2.0	-1.8	-2.8	-0.8	-0.2	0.0	-0.8	-1.5	-2.8	-4.8	-5.2	-3.5	-0.8	+0.8	+3.0	+4.2	+4.2	+4.2
Summer	+3.8	+3.0	+2.5	+1.0	0.0	-0.8	-1.2	-2.1	-3.8	-1.8	+0.2	0.0	-0.8	-2.8	-4.5	-6.0	-4.8	-3.8	-2.8	+0.5	+4.0	+6.0	+7.0	+6.0

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

HORIZONTAL FORCE (gammas) (Disturbed Days)

Table 55. Agincourt. 1953.

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	+18	+14	+12	0	0	0	-9	-30	-35	-16	0	+13	+11	+1	-10	-8	-8	-6	0	+13	+13	+9	+9
February	-9	0	+4	-1	+4	+9	-7	-14	-21	-6	+2	+3	-7	+6	+9	+4	-3	-6	-7	+5	+10	+11	+9	+8
March	+17	+16	+3	+5	-6	+8	+4	-6	-7	-20	+6	-10	-16	-14	-18	-30	-24	-8	-9	+5	+28	+25	+25	+25
April	+14	+10	-1	-4	-10	-21	-20	-16	-12	+9	+3	-2	-4	-14	-23	-21	-9	-3	+8	+21	+28	+21	+22	+22
May	+12	+5	+2	-7	-6	-31	-23	0	+4	-3	-30	-18	-22	-40	-44	-35	-21	-7	+18	+46	+63	+62	+57	+21
June	+13	+6	+4	0	-1	+3	-3	-26	-6	-23	-18	-1	+3	-15	-13	-6	-21	-11	+3	+19	+29	+22	+23	+20
July	+13	+12	+7	+5	-8	-20	+5	+6	-9	-33	-21	-14	-13	-15	-21	-29	-16	-6	+4	+27	+30	+34	+36	+27
August	+14	+19	+4	-10	-13	-8	-19	-8	-22	-17	-7	-6	-9	-11	-25	-39	-22	-1	+16	+33	+38	+36	+35	+23
September	+37	+6	-20	-1	-3	-7	-44	-28	-8	-2	-40	-5	-7	-12	-30	-19	-18	+3	+16	+21	+30	+29	+44	+57
October	+8	-14	-25	-24	-9	+6	-12	-13	+7	+7	+29	+26	+12	+1	-23	-28	-3	-2	+9	+14	+15	+5	+13	+3
November	+10	+6	+2	+4	-13	-3	-8	-3	-1	+4	+10	+10	+1	-2	+6	-4	-12	-14	-13	0	-2	+3	+7	+13
December	0	+4	+2	+1	+1	+4	-5	-1	+4	+4	+6	+11	+6	-3	0	-6	-6	-9	-10	-5	-1	+2	+2	-1
Year	+11.5	+7.3	-0.3	-1.7	-5.3	-5.0	-11.0	-9.8	-8.4	-9.6	-6.3	-0.5	-3.6	-9.0	-15.1	-18.6	-13.6	-6.0	+2.4	+15.5	+23.4	+21.9	+23.5	+18.9
Winter	+2.5	+7.0	+5.5	+4.0	-2.0	+2.5	-5.0	-6.8	-12.0	-8.2	+0.5	+6.0	+3.2	+3.0	+4.0	-4.0	-7.2	-9.2	-9.0	0.0	+5.0	+7.2	+6.8	+7.2
Equinox	+19.0	+4.5	-10.8	-6.0	-7.0	-3.5	-18.0	-15.8	-5.0	-1.5	-0.5	+2.2	-3.8	-9.8	-23.5	-24.5	-13.5	-2.5	+6.0	+15.2	+25.2	+20.0	+26.0	+26.8
Summer	+13.0	+10.5	+4.2	-3.2	-7.0	-14.0	-10.0	-7.0	-8.2	-19.0	-19.0	-9.8	-10.2	-20.2	-25.8	-27.2	-20.0	-6.2	+10.2	+31.2	+40.0	+38.5	+37.8	+22.8

DECLINATION (minutes) (Disturbed Days)

Table 56. Agincourt. 1953.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+3.8	+4.3	+5.8	+6.1	+3.1	+3.8	+4.5	-1.0	-1.9	+2.4	-9.8	-0.3	-2.8	-0.9	-1.9	-3.0	-4.0	-4.0	-4.6	-3.7	-1.1	-0.4	+3.1	+2.5
February	+8.2	+6.8	+6.1	+7.2	+2.1	+1.4	+1.3	-1.6	-8.0	-1.2	+0.2	-0.2	-0.5	-0.2	+0.8	-0.4	-3.0	-4.4	-4.4	-5.4	-4.2	-2.5	-2.7	+4.7
March	+4.2	+4.7	+9.1	+8.4	+5.2	+3.2	+0.3	-2.2	+7.5	+3.0	-0.9	-5.9	-6.8	-2.7	-3.2	-2.6	-3.5	-4.5	-4.7	-5.0	-3.5	-1.1	+0.3	+1.0
April	+3.2	+1.1	+3.5	+6.6	+5.4	+5.8	+3.9	+0.4	-3.0	+1.1	+1.3	+2.5	+3.4	+1.6	-0.2	-2.6	-5.5	-6.0	-6.2	-6.1	-6.4	-4.3	+0.6	-0.3
May	+1.8	+5.9	+1.9	+5.2	+6.9	+2.9	+2.1	-2.6	-1.1	+3.9	-1.6	-0.4	+3.6	+1.7	-2.8	-5.6	-7.8	-9.3	-8.7	-4.2	-0.4	+2.8	+3.7	+2.2
June	+2.2	+6.4	+2.1	+0.5	-0.7	+1.5	+4.1	-1.9	+3.7	-0.4	+0.8	+4.7	+7.2	+5.9	+1.8	0.0	-2.5	-6.5	-6.4	-7.2	-5.9	-4.5	-2.9	-2.0
July	+2.7	+4.6	+6.7	+4.8	+5.3	+1.3	-1.9	+2.6	-4.1	-8.4	-3.5	12.2	+6.5	+7.6	+5.3	+0.6	-3.8	-5.4	-6.7	-6.4	-5.9	-3.6	-1.0	+0.4
August	+6.4	+10.7	+9.0	+6.7	+5.2	-2.6	-0.6	-0.9	-4.0	-2.6	-1.5	+3.6	+4.3	+5.2	-1.4	-5.6	-9.4	-9.7	-10.4	-8.1	-6.9	-3.8	+1.8	+8.5
September	+9.1	+6.4	+11.4	+5.6	+1.6	-0.3	-6.0	+2.8	-1.0	+4.9	-2.6	+1.9	0.0	-1.6	-6.7	-8.0	-9.0	-8.4	-6.8	-5.8	-2.2	+1.4	+2.9	+10.3
October	+10.1	+7.3	+9.2	+3.7	+4.3	+3.4	-0.2	-2.2	+2.4	-4.8	-3.2	+0.5	-3.2	-3.6	-1.1	-8.2	-8.5	-6.3	-3.7	-2.4	-0.6	-0.6	-0.5	+8.2
November	+4.5	+5.0	+9.6	+6.1	+7.0	-2.1	-2.5	-0.4	-1.6	-0.6	-0.9	-3.1	-10.4	-9.9	-0.1	0.0	-1.1	-2.0	-2.4	-2.3	-1.1	+0.7	+4.6	+3.0
December	+3.7	+1.9	+2.4	+3.4	+1.0	-0.3	+0.5	-0.7	-0.1	+1.4	-0.2	+1.1	+0.6	-1.9	-0.6	-0.8	-1.4	-3.7	-3.6	-3.3	-2.2	-0.8	+0.1	+3.4
Year	+5.0	+5.4	+6.4	+5.4	+3.9	+1.5	+0.5	-0.6	-0.9	-0.1	-1.5	+0.6	+0.2	+0.1	-0.6	-3.0	-5.0	-5.9	-5.7	-5.0	-3.4	-1.4	+0.8	+3.5
Winter	+5.0	+4.5	+6.0	+5.7	+3.3	+0.7	+1.0	-0.9	-2.9	+0.5	-2.7	-0.6	-3.3	-3.2	-0.4	-1.0	-2.4	-3.6	-3.8	-3.7	-2.2	-0.8	+1.3	+3.4
Equinox	+6.6	+4.9	+8.3	+6.1	+4.1	+3.0	-0.5	-0.3	+1.5	+1.0	-1.4	-0.2	-1.6	-1.6	-2.8	-5.4	-6.6	-6.3	-5.4	-4.8	-3.2	-1.2	+0.8	+4.8
Summer	+3.3	+6.9	+4.9	+4.3	+4.2	+0.8	+0.9	-0.7	-1.4	-1.9	-0.7	+2.5	+5.4	+5.1	+1.4	-2.6	-5.9	-7.7	-8.0	-6.5	-4.8	-2.3	+0.4	+2.3

VERTICAL FORCE (gammas) (Disturbed Days)

Table 57. Agincourt. 1953.

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	+29	+22	+19	+6	+10	-2	-6	-20	-48	-69	-84	-56	-15	-5	0	+3	+15	+20	+29	+31	+33	+29	+32	+30
February	+25	+26	+27	+14	+7	-13	-34	-58	-73	-41	-20	-13	-11	-2	-2	-7	-5	+1	+13	+18	+35	+44	+36	+35
March	+35	+32	+22	-15	-24	-10	-53	-61	-50	-59	-49	-37	-32	-19	-15	-2	+18	+28	+43	+56	+48	+52	+44	+45
April	+37	+27	+13	-37	-39	-51	-53	-50	-51	-14	-7	-7	-1	-1	+3	+6	+8	+14	+22	+28	+33	+42	+43	+36
May	+50	+49	+5	-11	-32	-52	-59	-45	-25	-23	-44	-48	-40	-21	-11	-10	-2	+9	+31	+44	+57	+57	+70	+54
June	+40	+30	+21	+5	-14	-19	-50	-80	-55	-70	-55	-27	+6	+4	+6	+7	+8	+14	+22	+34	+46	+47	+45	+38
July	+43	+30	+13	-45	-20	-63	-69	-33	-50	-56	-42	-22	-7	+7	+7	+11	+18	+23	+32	+42	+46	+44	+50	+44
August	+56	+19	-3	-25	-29	-67	-85	-67	-57	-41	-31	-15	-13	+1	+5	+9	+16	+26	+29	+42	+46	+51	+68	+65
September	+81	+34	-28	-39	-23	-48	-100	-69	-41	-28	-44	-24	-22	-18	-13	0	+10	+28	+36	+40	+38	+45	+82	+109
October	+38	+30	-3	-48	-38	-30	-57	-68	-51	-53	-47	-23	-14	-8	+2	+13	+14	+23	+34	+40	+57	+56	+66	+68
November	+16	+17	+6	-11	-6	-26	-52	-42	-32	-13	-8	-9	-12	-9	-1	+3	+9	+14	+22	+28	+33	+30	+24	+20
December	+8	+7	+5	0	-3	-17	-11	-4	-1	-2	-4	-8	-7	-8	-10	-7	-3	+1	+6	+6	+14	+16	+11	+12
Year	+38.2	+26.9	+8.1	-17.2	-17.6	-33.2	-52.4	-49.8	-44.5	-39.1	-36.2	-24.1	-14.0	-6.6	-2.4	+2.2	+8.8	+16.8	+26.6	+34.1	+40.5	+42.8	+47.6	+45.8
Winter	+19.5	+18.0	+14.2	+2.2	+2.0	-14.5	-25.8	-31.0	-38.5	-31.2	-29.0	-21.5	-11.2	-6.0	-3.2	-2.0	+4.0	+9.0	+17.5	+20.8	+28.8	+29.8	+25.8	+24.2
Equinox	+47.8	+30.8	+1.0	-34.8	-31.0	-34.8	-65.8	-62.0	-48.2	-38.5	-36.8	-22.8	-17.2	-11.5	-5.8	+4.2	+12.5	+23.2	+33.8	+41.0	+44.0	+48.8	+58.8	+63.0
Summer	+47.2	+32.0	+9.0	-19.9	-23.8	-50.2	-65.8	-56.2	-46.8	-47.5	-43.0	-28.0	-13.5	-2.2	+1.8	+4.2	+10.0	+18.0	+28.5	+40.5	+48.8	+49.8	+58.2	+50.2

TERRESTRIAL MAGNETIC FORCE: HORIZONTAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 1. Agincourt. (H.) 15,000 γ + January, 1954

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	509	500	504	501	500	496	499	504	504	509	513	511	513	508	503	496	503	513	526	529	523	518	518	521	509
2 D	525	513	508	507	499	501	499	504	516	509	506	506	503	487	462	490	502	503	508	505	506	506	501	499	503
3	499	501	501	501	506	503	503	499	499	503	508	506	505	499	488	481	480	491	502	506	511	511	506	501	500
4 Q	503	504	505	503	504	505	505	504	506	506	506	506	506	503	497	494	497	503	508	513	517	516	516	516	506
5	516	510	507	508	507	506	509	508	509	509	511	509	510	509	504	496	496	503	515	519	519	503	491	507	508
6	506	504	501	502	502	502	500	490	499	506	511	512	514	515	507	499	494	496	501	502	508	509	506	505	504
7	504	503	503	505	508	509	501	503	504	509	509	508	504	504	504	501	506	511	516	514	507	506	506	502	506
8	496	488	504	504	499	508	503	497	496	497	513	509	507	503	501	491	488	493	503	514	514	514	509	499	502
9	494	506	504	501	498	501	501	498	501	507	506	506	501	496	500	499	499	501	508	513	515	515	514	508	504
10 Q	511	511	509	507	501	504	501	499	502	506	511	511	509	505	505	496	496	501	506	511	519	521	515	513	507
11	509	508	509	508	504	500	496	499	503	509	511	511	514	507	498	491	488	490	499	507	509	506	506	510	504
12	507	504	508	511	513	508	513	514	518	520	516	522	522	518	501	471	490	494	501	504	506	514	510	506	508
13	499	490	478	490	496	496	501	494	494	498	496	506	505	509	499	488	488	494	502	504	510	505	502	510	498
14	509	510	508	507	505	508	511	512	509	513	514	515	516	514	506	496	492	491	493	503	507	517	513	506	507
15	506	514	511	507	509	506	501	501	503	511	513	511	509	509	515	508	507	510	509	510	507	514	515	502	509
16	506	509	514	514	510	506	505	507	509	511	515	516	514	508	514	509	506	508	499	501	513	516	514	515	510
17	511	508	509	506	503	503	507	503	506	508	506	506	506	506	506	499	498	494	496	505	505	511	514	511	505
18	510	506	510	509	504	501	501	501	504	509	510	514	511	510	510	516	509	507	511	517	523	522	476	488	508
19 D	489	466	486	496	496	491	492	494	486	494	494	504	504	502	508	502	494	483	476	496	503	472	489	489	492
20 D	496	495	493	499	492	492	491	511	486	491	497	501	504	505	497	491	484	483	496	503	511	511	514	509	498
21 D	491	489	496	496	495	504	493	491	493	502	506	507	501	497	494	486	486	489	495	514	507	504	501	498	497
22	498	506	494	482	496	506	493	491	496	495	504	509	507	501	489	491	494	501	507	508	508	515	513	511	501
23 D	508	504	494	511	497	498	496	494	494	504	504	499	506	502	492	486	478	482	495	501	509	511	511	508	499
24	501	513	513	506	507	504	507	510	506	508	507	504	503	501	497	487	482	487	496	503	511	517	517	516	504
25	514	516	513	503	507	507	508	507	511	514	514	513	514	512	512	506	496	493	506	511	514	519	519	519	510
26 Q	515	503	508	509	510	508	513	512	510	510	512	513	512	508	502	494	490	492	504	515	519	520	518	518	509
27	516	514	518	515	515	517	512	513	516	519	521	518	515	517	521	518	517	517	518	520	518	519	520	517	517
28 Q	517	513	509	513	508	505	505	507	503	505	508	513	513	512	507	499	502	502	507	509	510	513	515	515	509
29 Q	513	507	510	507	505	502	500	503	505	507	510	512	512	510	512	510	505	503	508	513	518	520	523	521	510
30	515	511	513	512	510	506	506	507	507	513	515	517	517	517	512	501	502	506	513	518	521	516	515	514	512
31	515	510	507	505	500	501	502	503	503	507	515	514	515	515	508	491	481	496	502	507	515	501	507	506	505
Mean	507	504	505	505	504	504	502	503	503	507	509	510	509	507	502	496	495	498	504	510	512	512	510	508	505

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2. Agincourt. (D.) West. 7° + . . . ′ January, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	15.7	13.2	14.5	14.1	13.4	14.3	13.9	14.2	15.7	16.2	15.7	15.4	14.2	13.0	13.3	15.6	17.9	19.2	18.4	16.8	16.0	16.1	15.5	15.7	15.3
2 D	15.7	17.9	15.2	14.8	13.0	13.2	18.1	13.8	12.4	12.9	15.2	17.1	14.5	15.3	24.8	27.4	20.0	24.2	24.6	22.0	17.2	15.2	15.9	15.3	17.3
3	13.6	13.9	12.9	14.4	15.3	15.9	16.5	16.6	18.4	16.1	13.3	12.9	13.3	12.5	13.9	16.7	19.2	20.2	19.3	17.2	15.6	15.0	15.7	14.8	15.6
4 Q	15.1	15.1	15.4	15.7	16.0	15.7	15.7	15.5	15.2	15.3	15.1	15.1	14.6	14.2	14.3	15.8	17.6	18.9	18.5	17.0	15.9	15.5	15.1	15.1	15.7
5	14.8	14.7	14.4	15.2	15.2	15.8	16.1	16.0	15.8	15.2	15.1	14.2	13.3	12.9	13.7	15.0	16.6	19.0	20.1	19.7	20.5	22.4	19.8	17.9	16.4
6	15.2	14.0	14.9	14.4	18.4	16.0	15.4	15.9	15.6	15.2	16.2	16.0	15.6	12.9	13.9	15.8	17.9	19.3	18.5	17.8	16.9	15.8	15.9	15.2	15.9
7	15.0	14.3	14.5	13.5	16.1	17.8	16.9	17.0	16.2	15.5	15.7	15.1	13.7	13.3	15.3	19.3	22.6	22.6	22.0	19.7	17.9	16.8	15.1	15.0	16.7
8	13.5	10.6	14.0	15.3	15.8	17.9	17.5	15.2	18.0	18.7	15.9	13.3	12.9	12.6	13.4	16.1	18.3	19.3	19.1	18.5	17.5	15.7	15.4	15.2	15.8
9	13.5	13.3	13.9	15.2	14.9	15.7	16.3	15.9	15.0	14.2	14.1	13.8	14.4	13.5	14.1	16.9	18.4	19.3	19.0	17.9	16.6	15.7	15.1	13.9	15.4
10 Q	13.9	13.3	13.9	14.2	15.4	15.2	17.0	16.2	15.5	16.0	15.4	13.9	13.5	12.9	12.9	16.1	19.2	21.1	20.3	19.0	17.5	15.7	15.1	14.8	15.8
11	14.6	14.3	14.3	13.3	13.6	18.0	16.1	14.6	15.2	16.3	15.2	13.9	12.5	12.0	11.6	13.8	16.6	18.9	19.7	19.3	17.9	16.9	15.4	14.9	15.4
12	14.2	13.3	13.0	13.7	14.5	15.2	15.9	15.7	15.4	14.4	16.7	17.9	12.9	12.1	12.2	18.1	23.2	21.6	22.6	24.4	22.4	18.4	17.9	15.3	16.7
13	13.9	13.9	11.2	12.3	14.6	15.2	20.7	14.1	13.4	14.2	16.1	16.1	11.7	11.3	12.9	15.0	16.6	18.0	18.4	18.1	17.8	17.3	15.5	15.0	15.1
14	14.5	13.6	13.6	14.6	15.1	15.9	16.4	15.7	15.9	14.5	14.5	14.9	13.5	11.9	11.6	13.8	16.2	18.3	19.3	18.4	17.8	16.4	17.0	16.0	15.4
15	16.1	12.9	16.1	14.7	15.1	15.3	15.5	15.2	14.8	12.1	14.2	14.4	14.2	13.9	12.4	14.9	15.0	15.7	15.7	15.5	16.9	16.9	17.0	16.6	15.0
16	13.1	15.1	14.9	15.1	15.7	15.1	14.8	15.1	14.9	14.9	14.4	14.8	14.1	14.3	13.3	15.1	17.0	17.8	19.3	19.8	17.0	16.4	15.6	15.0	15.5
17	15.0	15.1	15.2	15.6	14.8	14.8	15.2	14.7	14.4	14.5	14.4	14.6	15.2	13.9	13.5	15.4	16.9	20.2	21.2	18.4	16.9	15.8	15.2	15.3	15.7
18	15.2	13.5	12.2	15.0	15.2	14.1	13.6	12.9	12.2	13.3	12.9	14.9	14.8	15.9	15.9	17.4	18.1	17.9	18.2	17.0	16.1	17.2	14.7	15.7	15.2
19 D	18.0	11.1	14.6	16.2	15.9	14.7	15.3	14.7	17.8	12.8	8.8	12.4	13.4	15.1	14.8	15.9	17.8	21.0	26.3	33;4	23.8	17.2	16.0	16.2	16.8
20 D	14.8	17.0	8.4	15.7	15.6	15.2	14.8	16.0	10.8	14.8	11.0	14.5	14.9	14.0	14.4	16.9	20.2	21.2	20.3	18.3	16.5	16.9	15.7	15.2	15.5
21 D	7.5	9.1	13.5	14.8	12.9	15.3	15.6	14.7	16.3	14.1	14.7	15.0	15.4	14.8	14.7	17.3	19.3	19.8	20.7	17,7	17.6	16.1	13.9	12.4	15.1
22	13.2	14.2	15.9	8.0	14.3	17.7	14.4	20.3	16.2	16.2	14.9	13.9	13.2	12.4	14.2	16.6	18.9	20.6	19.8	19.2	17.1	16.3	15.3	14.3	15.7
23 D	14.3	13.2	10.2	11.1	16.1	16.2	17.9	24.2	26.0	16.3	14.3	15.1	15.2	13.5	12.3	14.2	17.7	19.7	20.5	18.8	17.2	16.0	14.7	15.2	16.3
24	13.1	11.7	13.5	14.8	14.8	15.3	17.8	18.7	15.2	14.8	13.5	14.2	13.9	13.5	12.9	17.9	19.8	21.8	21.1	19.3	17.9	16.1	15.1	14.3	15.9
25	14.3	13.9	14.5	14.6	14.4	15.6	15.3	15.7	15.7	15.6	15.3	15.1	14.2	13.5	12.4	13.3	16.3	18.9	19.9	19.3	18.0	17.2	15.7	15.3	15.6
26 Q	15.4	14.8	15.8	15.1	14.7	15.5	16.3	16.3	15.5	15.2	14.9	14.8	14.0	13.5	13.3	13.9	16.7	19.8	20.7	19.9	18.2	16.7	16.2	15.7	16.0
27	15.2	14.3	14.4	15.3	15.4	15.7	15.8	15.3	15.1	15.6	14.4	14.0	14.4	15.4	14.0	15.3	18.1	18.0	18.2	17.9	16.7	16.3	15.7	15.2	15.7
28 Q	14.9	14.8	14.5	14.7	15.4	15.6	18.0	14.8	13.9	13.0	14.4	15.3	14.6	14.0	13.9	14.6	15.8	17.0	17.6	17.2	16.1	15.8	15.2	15.0	15.2
29 Q	15.2	14.8	14.3	14.3	15.5	14.7	14.8	14.5	14.8	14.4	14.9	14.9	14.7	14.3	13.7	15.7	15.7	17.1	16.7	16.5	16.6	16.1	15.3	14.9	15.2
30	15.4	14.8	14.8	15.2	15.3	15.4	15.3	14.5	15.1	14.4	14.8	15.3	15.3	14.8	13.0	13.5	15.7	18.1	19.6	19.0	17.5	18.8	18.0	17.3	15.9
31	15.8	15.2	14.1	14.6	10.8	14.8	14.5	14.9	14.5	14.9	13.7	12.1	13.8	12.5	13.0	13.4	17.0	18.1	17.5	18.0	19.0	18.0	17.6	17.0	15.2
Mean	14.5	13.9	14.0	14.4	14.9	15.6	16.0	15.8	15.5	14.9	14.5	14.7	14.1	13.5	13.9	16.0	17.9	19.4	19.8	19.1	17.6	16.7	15.8	15.3	15.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 3. Agincourt. (Z.) 56,000 γ + January, 1954.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	218	223	222	222	222	222	220	220	215	214	215	218	220	220	215	212	212	217	218	218	215	212	217	218	218
2 D	219	231	235	227	227	224	215	212	215	212	215	214	211	218	215	214	211	218	224	228	230	228	227	226	221
3	229	228	226	225	224	224	224	222	221	217	218	218	218	215	212	214	217	218	222	224	222	218	218	220	221
4 Q	218	220	220	219	220	220	218	218	218	217	217	218	218	218	217	217	217	218	219	221	221	221	220	220	219
5	218	218	218	218	217	218	218	218	218	218	218	217	217	216	214	213	214	217	220	221	221	224	235	233	219
6	227	228	225	219	205	206	201	211	221	221	221	220	220	217	210	207	208	212	215	217	218	219	219	220	216
7	218	218	218	215	215	212	216	218	218	217	217	217	218	213	208	210	215	217	218	218	219	221	223	222	217
8	221	223	222	219	218	209	207	207	201	205	212	215	217	218	213	210	214	218	221	221	218	218	217	219	215
9	222	222	220	220	218	221	218	218	220	220	217	217	217	218	215	210	212	221	224	221	220	221	217	218	219
10 Q	219	219	216	218	218	217	216	219	218	221	219	217	218	219	215	213	216	216	218	219	221	219	218	216	218
11	217	218	216	216	215	206	202	210	218	218	216	219	218	218	216	215	220	222	225	225	225	223	224	223	218
12	222	220	219	219	219	219	218	218	217	216	216	213	213	213	211	210	216	217	222	221	224	225	225	225	218
13	225	230	236	236	228	222	204	210	222	222	219	218	219	216	212	213	219	222	226	225	224	224	226	225	222
14	224	222	221	219	219	219	216	216	217	216	215	215	217	219	215	211	213	216	222	223	223	223	222	222	219
15	225	225	223	223	222	219	216	208	201	216	216	217	218	218	215	206	210	211	213	216	218	221	219	223	217
16	223	225	222	218	218	215	216	218	218	218	216	216	213	215	213	208	211	212	217	223	223	222	219	219	217
17	219	219	219	220	222	223	221	219	219	218	218	217	216	215	212	209	210	212	217	218	218	220	219	219	217
18	218	218	218	214	219	219	218	216	219	218	216	216	213	211	211	211	208	209	210	213	217	219	234	237	217
19 D	237	248	239	234	228	224	223	217	199	175	186	208	213	219	218	211	206	210	224	234	245	248	257	246	223
20 D	242	246	235	229	229	226	223	214	200	207	209	218	223	214	213	214	220	220	221	226	230	224	220	223	222
21 D	226	223	233	232	230	226	220	220	222	225	222	220	219	223	219	216	216	220	226	226	222	222	228	229	223
22	225	224	229	224	223	223	217	209	209	216	222	220	219	218	216	214	217	218	223	223	223	223	220	220	220
23 D	219	220	226	214	222	220	215	197	184	205	213	216	222	220	219	216	214	221	226	227	227	226	225	224	218
24	224	220	220	220	220	220	216	211	215	220	219	219	219	219	216	211	212	214	218	219	220	219	219	217	218
25	213	214	214	217	218	218	217	217	217	215	214	214	214	211	206	199	201	212	213	217	219	219	217	214	214
26 Q	214	219	220	219	217	217	217	214	214	213	213	213	213	213	209	212	209	214	217	220	219	216	214	214	215
27	214	215	214	213	215	215	216	215	215	215	214	214	214	215	213	211	212	213	217	219	218	218	218	217	215
28 Q	215	215	217	217	216	216	213	210	214	214	214	213	213	212	209	208	210	211	215	217	217	217	216	214	214
29 Q	214	214	213	213	214	214	215	216	214	213	212	212	210	210	209	208	210	214	214	214	214	214	213	212	213
30	213	214	214	214	214	214	214	214	215	215	213	213	212	212	210	205	209	213	213	213	215	215	215	215	213
31	215	217	216	215	210	215	214	214	213	213	208	204	208	207	206	203	209	213	215	220	221	221	224	221	213
Mean	221	223	222	220	219	218	216	214	214	214	215	216	216	216	213	211	213	216	219	221	222	221	222	222	218

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 4. Agincourt — January, 1954.

Day	Horizontal Force						Declination						Vertical Force					
	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	18	51	531	6	5	491	40	17	56	19.7	1	35	12.0	7.7	2.	45	224	15	18	210	14
2 D	0	52	529	14	37	445	84	14	55	36.0	9	17	10.2	25.8	1	50	238	7	3	203	35
3	20	50	514	16	31	478	36	8	34	20.6	10	51	11.7	8.9	0	30	230	14	39	210	20
4 Q	22	37	518	15	15	493	25	17	18	19.1	14	0	14.1	5.0	20	10	222	13	50	216	6
5	20	57	533	22	15	473	60	22	13	25.3	12	55	12.9	12.4	22	7	237	15	10	212	25
6	13	21	519	7	28	481	38	17	30	20.0	13	52	9.7	10.3	0	1	239	5	0	192	47
7	18	59	521	15	43	496	25	16	38	24.3	12	45	12.6	11.7	23	10	224	14	40	205	19
8	21	44	519	1	6	478	41	5	50	21.1	1	15	6.5	14.6	2	9	224	9	0	194	30
9	20	40	519	0	10	488	31	17	38	20.0	1	4	12.5	7.5	17	58	224	15	23	210	14
10 Q	21	8	524	15	53	491	33	17	40	21.5	14	0	12.3	9.2	21	0	222	15	20	212	10
11	10	10	516	16	58	483	33	18	17	19.9	4	36	10.1	9.8	18	37	225	5	52	194	31
12	11	51	524	15	51	451	73	19	55	25.8	14	20	9.7	16.1	21	28	227	15	37	206	21
13	20	23	514	2	25	473	41	6	35	26.4	3	0	7.8	18.6	2	45	239	6	30	195	44
14	21	0	523	18	20	488	35	18	18	20.0	13	50	11.4	8.6	0	10	225	15	45	210	15
15	1	54	524	7	27	493	31	8	5	23.3	1	31	7.9	15.4	1	28	230	8	18	183	47
16	11	0	519	19	5	486	33	19	2	22.0	0	25	11.4	10.6	1	37	225	15	40	207	18
17	22	10	517	17	55	486	31	17	58	22.7	14	34	12.7	10.0	5	0	223	15	58	208	15
18	21	36	534	22	36	458	76	22	23	21.4	22	46	8.1	13.3	22	56	245	16	25	207	38
19 D	20	52	530	1	22	447	83	19	3	31.1	1	28	3.3	27.8	20	52	277	9	10	170	107
20 D	19	30	528	2	22	471	57	17	39	22.9	2	27	2.8	20.1	1	15	249	8	36	196	53
21 D	5	20	518	1	58	476	42	5	22	25.2	0	58	-1.2	26.4	2	33	236	6	8	214	22
22	21	0	519	3	38	463	56	7	48	24.2	3	51	2.9	21.3	2	55	233	7	22	204	29
23 D	3	15	531	16	48	473	58	8	13	29.7	3	5	-2.6	32.3	2	55	235	8	18	176	59
24	21	55	518	16	29	481	37	17	41	22.5	1	5	5.7	16.8	1	8	226	7	16	211	15
25	22	12	521	17	29	484	37	18	32	20.2	14	30	11.7	8.5	20	50	220	15	53	197	23
26 Q	21	3	525	17	4	487	38	18	31	21.1	14	3	12.5	8.6	2	2	220	15	16	205	15
27	19	8	528	13	7	510	18	18	55	19.4	2	2	13.0	6.4	19	7	220	16	0	209	11
28 Q	0	5	518	15	43	498	20	6	37	19.4	9	48	12.6	6.8	19	32	219	15	25	207	12
29 Q	22	5	524	6	1	495	29	18	47	17.9	3	13	13.2	4.7	6	19	217	15	13	207	10
30	21	7	526	15	53	497	29	21	28	19.8	14	56	12.4	7.4	20	6	218	15	20	204	14
31	20	13	518	16	20	477	41	20	42	19.3	4	16	6.6	12.7	22	20	225	15	35	201	24
Mean			523			481	42			22.6			9.2	13.4			230			203	27
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, 1954.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	510	498	486	469	441	459	486	493	498	499	495	482	481	471	472	479	495	501	502	488	492	487	488
2	476	490	495	492	482	485	495	494	488	500	500	495	496	497	487	499	507	508	509	507	505	500	500	487	496
3	479	488	497	499	496	500	502	490	484	495	501	507	496	498	503	495	491	493	503	506	507	510	508	498	498
4	507	504	498	515	505	496	496	500	498	500	503	506	503	500	495	493	493	499	503	508	514	515	515	510	503
5 Q	505	507	506	504	508	505	505	503	503	506	505	510	510	505	503	502	502	503	500	506	507	505	508	510	505
6 Q	507	505	506	503	508	506	506	504	505	510	513	516	512	507	499	495	493	498	508	513	516	518	518	517	508
7 Q	513	513	512	510	508	510	513	513	510	513	512	512	512	508	503	498	495	496	497	510	515	518	520	510	509
8 Q	504	497	494	501	499	504	506	509	509	512	509	510	507	502	504	503	498	498	500	507	504	520	522	515	506
9	513	512	509	511	511	511	510	511	510	516	518	517	515	513	499	488	489	483	491	499	508	513	517	517	507
10	514	513	508	499	499	499	497	504	507	504	506	511	509	511	511	503	499	498	502	506	508	516	517	511	506
11	505	490	484	502	504	503	504	508	506	507	513	520	522	521	514	506	505	501	496	515	508	497	503	506	506
12 Q	503	508	503	502	500	501	501	503	501	501	504	505	504	502	499	498	498	503	503	514	517	514	509	506	504
13	506	503	506	503	502	506	505	505	500	495	506	510	510	504	503	506	507	506	501	503	504	503	506	508	505
14	508	510	508	505	503	505	505	505	505	508	502	503	519	516	506	490	503	504	510	513	500	500	503	505	506
15 D	509	505	507	508	498	493	488	509	512	512	506	496	510	506	483	433	495	500	489	486	487	493	494	504	497
16	497	478	476	498	502	515	493	502	502	500	507	507	507	497	470	447	479	487	496	500	485	507	512	474	493
17	451	488	492	505	504	506	505	501	496	490	482	486	482	487	460	474	485	476	484	471	490	500	495	495	488
18	499	498	509	511	506	501	506	512	508	508	501	485	506	501	486	478	476	473	481	491	503	509	513	511	499
19	510	506	509	511	509	507	470	473	491	501	498	500	501	501	500	486	491	493	501	501	491	506	508	508	499
20	501	509	508	507	506	514	512	511	511	509	512	513	517	511	496	491	489	491	496	498	503	514	511	512	506
21	511	516	518	513	509	509	509	504	506	501	501	520	523	516	493	472	483	485	478	481	504	491	475	472	500
22 D	475	486	466	501	495	459	486	491	483	483	478	503	503	484	473	479	478	483	481	483	489	491	503	483	485
23 D	487	495	516	492	487	505	490	492	505	501	490	495	502	498	490	464	444	475	490	505	505	483	472	492	491
24	495	503	502	500	502	500	502	500	500	505	497	480	499	500	495	494	490	487	485	495	494	508	497	512	498
25	508	508	511	512	504	508	503	507	502	505	503	505	500	493	491	481	469	480	490	501	510	503	502	510	500
26 D	510	508	505	510	503	510	500	502	491	497	451	485	497	495	490	483	476	493	502	502	482	503	518	489	496
27 D	483	483	493	505	490	487	501	494	457	469	490	502	498	494	487	444	482	504	504	507	511	507	502	466	490
28	473	492	496	499	499	496	499	500	500	501	506	505	504	497	492	489	486	500	510	512	515	517	499	499	500
29																									
30																									
31																									
Mean	498	501	502	504	501	500	498	500	499	502	500	504	506	502	493	484	488	493	497	502	503	505	505	500	499

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6. Agincourt. (D.) West. 7° + . . . ′ February, 1954.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	16.4	16.1	15.8	16.8	18.1	13.6	17.5	16.7	12.3	12.6	13.9	13.1	14.8	14.3	16.6	22.5	26.4	28.1	27.1	18.9	19.4	18.8	16.4	15.8	17.6
2	11.8	16.3	7.5	13.0	14.0	12.5	14.0	15.7	12.6	13.4	14.0	14.9	16.1	12.7	16.7	19.2	19.6	20.3	18.9	17.3	16.3	16.6	16.6	13.7	15.1
3	11.8	14.5	16.2	16.1	16.3	17.1	15.8	13.3	21.2	12.0	9.4	13.5	17.1	17.0	16.5	18.6	19.4	19.8	20.6	19.4	18.0	16.0	15.8	14.0	16.2
4	14.0	12.5	15.2	11.4	15.3	14.4	21.2	15.7	14.4	15.4	14.0	13.5	13.0	13.4	13.5	15.4	17.1	18.5	19.7	18.5	17.0	16.4	16.4	16.2	15.5
5 Q	15.8	15.2	15.6	14.9	14.6	16.0	15.8	15.9	14.6	15.8	15.2	14.0	13.0	14.0	14.8	15.8	17.8	19.9	21.2	21.5	20.0	17.7	17.0	16.7	16.4
6 Q	16.0	14.9	14.7	14.0	12.1	15.2	16.2	15.3	15.4	14.3	13.7	14.1	14.3	14.0	14.8	16.5	17.7	18.5	19.0	18.9	18.0	17.0	16.8	16.7	15.8
7 Q	16.1	15.5	15.3	15.1	16.0	15.6	16.2	15.7	15.3	14.8	14.3	14.2	13.6	12.5	13.2	14.9	17.3	19.1	20.8	21.3	20.8	18.5	17.5	19.0	16.4
8 Q	19.8	15.7	13.5	13.6	14.8	15.2	15.7	16.2	15.7	15.3	14.8	14.6	13.4	15.8	14.0	14.3	17.0	18.9	20.7	21.1	20.8	19.0	18.0	15.8	16.4
9	15.1	14.1	13.8	13.4	13.4	14.5	16.5	18.1	18.0	16.4	15.0	13.9	13.2	12.2	13.1	14.1	16.4	20.2	21.6	20.2	18.6	17.7	16.4	15.4	15.9
10	15.4	14.4	14.9	12.6	13.1	14.8	15.5	18.1	14.9	14.8	15.8	12.6	14.1	15.7	12.2	14.5	17.5	20.0	20.0	19.9	19.1	18.1	18.4	17.7	16.0
11	16.4	14.5	14.4	13.2	13.9	14.7	15.8	16.8	14.6	13.6	13.6	14.1	12.8	11.8	11.3	12.6	15.0	18.1	19.8	20.3	20.7	21.2	20.2	16.7	15.7
12 Q	12.7	15.0	16.2	15.9	15.6	15.9	16.1	15.9	14.1	13.0	13.7	14.1	13.6	14.7	14.6	15.0	16.1	17.0	17.6	16.8	17.7	18.1	18.1	18.1	15.6
13	17.2	15.6	15.1	15.2	14.9	14.9	13.6	13.7	13.5	13.6	16.1	14.4	13.6	13.6	14.1	14.1	15.9	16.7	16.9	16.8	17.7	17.5	16.3	15.5	15.3
14	15.5	15.4	15.4	15.5	15.2	15.2	14.9	15.2	14.7	14.0	14.0	15.9	15.8	14.8	15.8	19.1	20.8	18.1	18.6	19.9	21.6	20.4	18.1	16.0	16.7
15 D	16.3	15.7	15.3	14.2	13.4	8.2	9.3	14.1	14.5	14.9	13.1	27.6	19.4	13.1	16.7	28.2	21.3	19.1	21.9	22.2	21.8	20.2	18.1	17.1	17.3
16	14.8	- 0.3	7.2	15.4	13.1	17.7	15.8	17.2	16.2	15.3	15.0	14.4	14.4	13.2	15.9	21.2	21.7	22.8	23.2	23.2	19.9	17.7	21.8	12.7	16.2
17	6.8	14.7	10.8	13.4	13.1	16.1	17.2	16.5	17.2	22.0	21.3	16.8	13.9	16.3	20.2	27.0	19.1	21.2	19.9	23.6	20.8	17.1	15.1	17.7	17.4
18	16.7	14.4	13.2	15.0	14.1	16.8	16.8	18.0	15.7	15.4	13.8	19.4	13.1	9.6	12.1	14.0	18.1	21.1	22.4	19.3	18.0	18.2	17.3	16.3	16.2
19	15.4	15.0	14.9	15.4	15.0	15.4	13.5	18.0	12.2	14.8	14.9	16.7	15.1	14.1	12.7	16.0	16.8	19.2	20.0	20.4	19.1	17.7	18.6	15.9	16.1
20	12.2	13.1	15.3	14.0	15.4	17.4	16.8	17.6	16.7	14.4	14.5	15.0	13.1	13.0	12.9	14.7	17.1	18.2	19.2	19.4	18.2	16.8	17.1	16.2	15.8
21	16.0	15.0	14.5	11.8	14.6	14.6	15.5	14.5	13.2	12.5	20.9	13.8	10.8	10.4	11.5	10.9	19.6	20.1	30.1	24.5	20.5	24.2	23.7	9.1	16.3
22 D	6.9	8.8	10.9	18.2	15.1	8.8	13.0	11.4	13.2	17.2	21.4	16.0	12.7	16.3	17.6	16.0	15.0	16.7	20.1	21.3	24.5	20.1	20.5	14.0	15.7
23 D	15.1	13.6	12.2	12.6	8.7	13.2	12.1	16.0	22.3	17.5	12.2	14.0	13.5	12.3	13.3	17.1	23.1	22.8	21.9	19.6	19.5	13.1	18.0	17.4	15.9
24	17.6	14.9	14.6	15.9	16.3	16.4	15.9	15.9	20.4	15.0	15.1	20.2	18.7	14.2	14.2	15.0	16.0	17.8	19.2	19.6	18.3	16.9	13.7	16.2	16.6
25	16.6	14.6	13.4	14.1	15.4	15.5	15.1	16.5	15.5	17.2	19.1	15.0	13.2	12.7	13.0	15.1	19.0	22.3	24.4	21.8	21.0	20.4	17.9	13.2	16.8
26 D	14.5	16.5	14.2	9.8	14.2	16.2	13.2	10.5	8.7	11.0	25.1	28.2	10.5	8.9	11.5	13.7	20.8	22.3	21.0	24.5	21.5	23.5	13.2	14.2	16.2
27 D	14.8	11.0	13.7	14.2	13.2	15.0	14.9	19.3	27.3	29.4	24.1	15.4	14.6	13.2	15.2	23.2	28.8	23.3	22.6	21.0	18.7	18.2	18.1	9.9	18.3
28	12.7	17.2	15.9	16.5	17.2	15.6	17.7	18.5	16.8	17.8	16.9	14.7	15.6	16.8	18.5	18.7	20.4	21.4	21.1	20.5	18.6	17.7	17.2	16.0	17.5
29																									
30																									
31																									
Mean	14.7	14.1	13.9	14.3	14.5	14.9	15.4	15.9	15.8	15.5	15.9	15.9	14.2	13.6	14.5	17.0	19.0	20.0	21.1	20.4	19.5	18.4	17.6	15.5	16.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 7. Agincourt. (Z.) 56,000 γ + February, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	220	220	221	236	232	221	178	171	197	225	220	214	219	215	211	210	209	218	223	220	229	227	230	233	217
2	241	245	230	214	227	225	212	209	213	218	213	209	218	213	204	208	207	209	212	214	218	220	221	227	218
3	233	237	233	230	227	221	218	201	181	167	200	208	208	210	214	209	210	210	211	215	219	221	221	225	214
4	221	220	224	213	211	215	208	209	215	218	217	218	218	216	213	211	214	215	217	220	220	220	221	218	216
5 Q	219	218	217	216	215	215	215	217	216	215	214	212	211	212	212	210	209	211	213	216	218	220	221	219	215
6 Q	220	220	218	216	211	210	214	214	214	215	213	212	213	210	206	202	208	210	214	215	215	215	215	215	213
7 Q	214	214	214	213	212	212	212	211	211	211	210	210	210	210	209	209	210	212	215	218	218	220	220	221	213
8 Q	228	229	226	221	217	216	215	214	213	213	210	210	208	208	204	200	196	198	204	210	215	216	215	213	212
9	214	213	211	210	211	209	202	199	201	207	208	209	210	206	202	196	197	202	207	211	215	216	215	214	208
10	213	213	215	218	218	216	208	203	205	211	212	211	210	209	205	203	204	210	214	216	218	216	218	219	212
11	222	233	238	231	225	216	210	205	208	210	210	211	209	205	199	193	192	198	207	214	216	222	227	219	213
12 Q	219	216	213	211	213	214	213	204	208	208	209	209	209	209	209	209	209	211	214	214	215	215	217	222	212
13	222	219	214	214	214	214	209	198	198	203	211	211	211	211	210	208	211	211	211	213	215	215	215	213	211
14	210	210	211	212	211	211	212	213	213	209	208	208	208	204	204	205	207	205	211	213	216	221	221	219	211
15 D	216	215	213	213	213	178	201	215	215	214	205	181	163	185	192	191	202	198	207	213	219	228	237	225	206
16	226	228	228	233	219	198	204	213	214	214	215	212	211	211	209	205	211	214	219	225	230	226	239	251	219
17	263	252	242	202	205	213	213	205	199	180	173	173	190	201	203	201	206	209	215	225	228	230	227	225	212
18	225	226	218	210	211	208	202	208	210	214	203	196	202	207	202	201	205	210	216	233	221	216	214	214	211
19	211	212	213	211	210	201	186	152	191	210	209	209	204	199	201	196	202	202	209	215	219	222	219	216	205
20	221	215	215	213	211	209	205	205	206	209	210	212	210	209	204	199	197	203	207	210	216	216	216	214	210
21	212	212	209	206	209	209	208	209	209	208	203	199	203	200	197	194	205	214	235	252	229	235	279	301	219
22 D	225	235	241	179	179	166	166	181	190	200	190	186	193	202	209	215	216	215	213	215	229	238	243	250	207
23 D	239	245	203	215	216	190	203	205	185	184	197	215	220	214	211	208	214	222	220	219	220	235	240	240	215
24	232	226	222	219	217	215	215	215	207	211	211	199	197	197	204	206	208	211	217	221	226	229	223	220	215
25	217	216	214	208	199	199	210	212	212	210	203	209	209	209	208	202	203	209	215	219	223	219	217	224	211
26 D	220	219	218	210	212	213	204	182	180	185	112	116	188	203	211	208	206	216	216	223	253	250	282	247	207
27 D	250	244	230	213	201	208	198	192	158	152	159	164	198	206	205	206	218	211	214	212	217	224	233	253	207
28	254	241	233	221	213	217	212	206	208	207	210	211	213	213	213	212	210	217	218	221	221	221	218	221	218
29																									
30																									
31																									
Mean	225	225	221	215	213	208	205	202	203	205	202	201	206	207	206	204	206	209	214	218	221	223	227	228	212

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 8. Agincourt — February, 1954

Day	Horizontal Force							Declination							Vertical Force						
	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	2	25	513	6	49	418	95	18	0	30.9	8	19	8.5	22.4	3	57	247	8	10	148	99
2	2	51	517	0	18	464	53	15	20	21.3	2	45	-5.4	26.7	2	40	247	14	30	202	45
3	21	58	517	8	35	469	48	9	4	26.9	10	0	4.3	22.6	1	54	242	9	18	156	86
4	3	27	529	2	57	488	41	6	38	26.7	3	25	8.6	18.1	3	0	227	7	2	198	29
5 Q	11	42	513	18	10	496	17	18	55	22.1	12	20	12.7	9.4	22	0	223	10	5	208	15
6 Q	22	45	519	16	16	490	29	18	21	19.4	4	35	9.9	9.5	0	30	221	15	30	202	19
7 Q	22	15	523	18	47	492	31	19	50	22.3	13	15	12.4	9.9	13	59	223	15	0	208	15
8 Q	22	35	527	2	48	491	36	19	57	22.9	3	2	11.1	11.8	0	55	230	16	50	195	35
9	9	46	522	18	3	476	46	18	10	22.2	13	1	11.2	11.0	21	10	219	16	18	193	26
10	22	17	521	3	30	493	28	20	3	21.6	3	34	10.1	11.5	4	4	222	15	30	203	19
11	21	3	536	2	2	461	75	21	14	24.0	2	5	6.3	17.7	1	53	242	15	43	190	52
12 Q	20	0	521	18	10	496	25	23	17	20.8	0	46	10.8	10.0	23	41	222	7	25	201	21
13	0	13	512	9	21	488	24	0	12	19.4	9	7	11.8	7.6	0	5	223	7	36	191	32
14	18	55	525	15	40	483	42	20	34	23.1	10	43	13.5	9.6	21	40	222	14	13	203	19
15 D	12	45	516	15	24	410	106	21	43	39.6	5	32	2.8	36.8	22	33	242	12	14	137	105
16	5	31	538	15	36	429	109	23	0	27.2	1	29	-3.0	30.2	23	5	290	5	40	180	110
17	3	43	529	0	32	424	105	15	28	29.9	0	38	-3.5	33.4	0	36	297	11	18	157	140
18	3	3	517	17	28	466	51	18	5	23.6	13	15	8.6	15.0	19	35	237	11	13	187	50
19	5	23	515	7	0	425	90	7	5	25.3	8	22	10.8	14.5	21	25	226	7	20	136	90
20	13	0	523	16	20	486	37	5	47	20.2	0	30	8.1	12.1	0	33	222	16	8	194	28
21	12	10	528	15	30	431	97	18	55	37.7	23	28	-1.3	39.0	23	59	442	15	20	184	258
22 D	13	47	546	1	0	443	103	3	17	34.1	0	7	-37.5	71.6	0	1	440	5	58	145	295
23 D	5	16	539	16	21	436	103	18	11	25.4	5	15	1.3	24.1	1	32	252	5	37	168	84
24	23	33	518	17	50	476	42	8	33	23.8	22	26	10.8	13.0	0	13	235	11	47	190	45
25	23	9	522	16	7	467	55	18	18	25.0	2	13	9.9	15.1	23	35	226	5	7	187	39
26 D	22	15	566	10	36	405	161	11	19	43.0	9	5	5.5	27.5	22	27	333	10	45	46	287
27 D	3	53	525	15	37	413	112	8	52	34.6	23	50	-2.3	36.9	23	43	269	9	53	136	133
28	21	0	522	0	1	447	75	18	19	22.0	0	1	0.4	21.6	0	27	260	8	20	200	60
29																					
30																					
31																					
Mean			525			459	66			26.3			4.9	21.4			257			177	80
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, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 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	504	501	504	507	507	509	510	512	510	507	510	511	510	507	497	492	491	501	509	517	529	527	501	498	507
2	502	499	507	497	507	498	492	501	509	504	504	514	512	506	504	498	494	501	497	506	517	517	512	501	504
3Q	508	508	491	495	495	508	510	508	510	511	510	509	509	503	497	487	488	496	502	512	515	514	515	511	505
4	514	510	511	505	508	505	508	509	506	502	493	487	498	493	501	493	495	491	498	511	523	506	510	506	503
5	495	496	495	501	503	501	496	503	496	498	503	495	503	497	488	480	480	489	498	506	508	514	514	497	498
6	496	496	498	503	502	506	507	507	509	508	511	512	513	506	497	491	486	490	500	508	518	514	505	509	504
7	505	508	489	483	492	511	506	501	496	489	498	503	503	503	496	483	488	488	503	516	511	520	509	496	500
8	505	506	511	507	498	503	503	503	501	506	508	506	509	514	508	493	496	501	512	518	533	524	521	506	508
9	508	508	506	505	511	507	506	513	505	495	508	514	511	507	500	497	496	471	475	501	516	525	520	512	505
10	508	510	508	505	506	508	508	503	511	513	514	515	511	509	501	495	491	490	495	506	514	526	517	508	507
11	511	506	515	498	492	499	515	511	523	510	506	508	502	496	501	493	486	493	498	496	509	496	490	506	503
12	509	505	508	501	503	498	515	515	511	515	518	514	506	509	501	491	482	493	511	517	514	514	506	507	507
13	506	511	501	496	505	505	508	508	511	513	511	509	502	496	485	462	477	486	493	490	483	505	516	488	499
14D	475	480	490	503	491	495	404	482	501	493	503	501	500	491	471	423	429	452	487	493	512	501	490	493	482
15D	507	503	503	496	508	506	483	476	508	489	485	502	493	491	481	481	488	497	506	506	513	515	506	508	498
16	508	512	508	506	511	503	503	485	498	493	505	508	493	470	482	497	493	496	503	495	504	508	508	502	500
17	498	506	508	498	510	509	507	503	506	508	511	513	508	502	492	464	477	507	521	523	508	515	517	488	504
18	496	491	477	483	503	491	483	495	486	488	498	502	497	485	478	481	484	496	505	493	497	510	511	510	493
19	498	507	507	512	513	512	512	511	515	518	515	511	505	481	476	497	500	509	520	516	511	515	505	510	507
20D	504	498	513	506	507	512	508	507	496	511	511	496	501	500	489	481	475	483	493	503	514	516	515	486	501
21	485	498	498	508	511	509	513	507	502	503	506	505	503	493	485	482	493	503	515	521	518	515	513	510	504
22	505	489	501	506	512	511	511	512	506	503	506	509	505	495	486	481	485	496	506	536	543	512	493	503	505
23D	467	462	467	498	501	497	488	498	470	491	495	496	493	464	453	465	481	489	511	498	517	501	545	487	489
24D	480	470	485	493	498	511	493	473	470	494	511	516	501	491	490	481	491	481	472	495	518	528	522	495	494
25	497	525	495	492	500	493	501	492	495	509	513	504	501	491	498	492	497	508	516	507	506	521	521	521	504
26	521	514	507	508	511	526	524	511	508	496	513	513	494	506	496	486	475	489	496	513	511	508	519	518	507
27Q	514	513	507	491	500	503	500	498	500	506	503	511	508	501	491	485	486	495	506	513	510	517	519	522	504
28Q	515	506	513	514	513	512	513	513	508	514	513	513	515	514	509	510	506	512	521	529	526	521	528	525	515
29Q	515	522	523	520	519	519	521	519	518	518	519	515	517	514	514	516	519	517	521	520	522	518	511	503	518
30	503	498	495	509	516	514	519	523	526	524	526	518	503	493	520	523	511	511	520	527	516	508	518	501	513
31	509	511	506	500	511	506	508	514	521	518	518	513	513	511	505	498	496	506	521	534	526	520	518	514	512
Mean	502	502	502	502	505	506	502	504	504	505	508	508	504	498	493	487	488	495	504	511	515	515	513	505	503

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

Table 10. Agincourt. (D.) West. 7° + . . . ′ March, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	16.5	16.1	15.6	16.1	16.1	15.7	16.5	16.4	14.7	15.0	14.6	14.9	14.7	14.3	14.6	16.4	18.7	20.6	21.2	19.8	19.7	20.2	22.9	22.9	17.3
2	18.3	12.7	15.7	13.9	17.7	14.7	16.3	17.3	15.8	16.4	20.1	16.5	13.7	13.0	13.6	15.8	18.8	21.0	22.6	19.7	17.9	17.0	17.9	15.1	16.7
3 Q	16.1	15.6	10.2	13.6	17.3	15.2	15.5	15.5	15.1	15.2	13.3	12.8	12.6	12.4	13.9	16.2	19.7	21.2	22.8	21.0	19.2	17.5	16.9	16.3	16.0
4	15.9	15.5	15.4	12.9	15.2	15.0	15.4	15.3	18.2	17.3	12.3	14.3	12.3	11.1	12.4	13.4	17.9	20.1	20.6	20.5	19.7	20.6	19.1	19.7	16.3
5	17.0	12.9	12.8	12.6	13.6	15.2	13.4	15.9	14.6	15.0	15.1	16.9	18.4	15.6	14.5	16.8	19.7	21.5	22.5	22.3	20.1	17.9	17.5	17.4	16.6
6	14.1	14.7	15.3	17.0	13.6	16.3	16.3	17.7	16.9	15.7	15.5	13.3	12.8	13.7	13.7	14.8	17.4	21.0	22.4	22.4	22.0	22.0	19.9	20.0	17.0
7	15.5	14.7	8.8	8.6	14.1	16.6	16.1	15.7	14.9	19.7	21.9	15.2	15.2	15.5	16.4	14.3	18.3	19.7	19.8	20.6	21.2	20.4	21.3	19.5	16.8
8	16.1	15.2	11.1	11.2	10.6	14.1	15.5	15.1	17.7	16.3	13.3	13.9	11.5	9.7	11.4	13.3	16.4	18.3	19.9	21.3	21.9	23.3	23.0	19.0	15.8
9	18.8	16.4	15.5	14.7	16.4	17.0	15.7	16.0	16.0	22.4	20.2	16.1	12.2	11.3	13.5	14.3	17.1	22.9	26.4	28.8	23.6	19.7	17.3	16.1	17.8
10	15.6	15.5	14.9	14.3	14.0	14.6	15.5	15.7	17.3	15.1	13.3	12.9	13.3	14.1	13.1	14.4	18.2	21.6	23.4	23.4	24.4	21.1	20.6	19.5	16.9
11	16.5	7.6	11.3	15.6	14.1	10.9	17.4	22.2	17.4	12.2	14.7	17.3	16.4	19.6	19.2	20.6	21.5	20.1	22.5	22.2	20.3	19.8	15.9	18.2	17.1
12	15.2	15.6	15.2	12.9	13.8	19.2	20.7	14.8	13.2	13.8	13.2	12.5	13.7	15.8	12.4	14.4	18.4	21.2	22.0	23.0	23.5	21.5	21.5	20.2	17.0
13	17.9	15.7	15.6	13.0	14.4	15.6	16.7	16.5	15.8	14.9	14.7	13.1	12.3	13.0	13.7	16.2	20.3	21.7	22.9	23.3	23.7	19.6	18.4	17.6	16.8
14 D	11.3	9.3	14.9	3.4	5.6	15.7	19.3	18.9	16.5	16.5	14.8	14.1	11.3	9.8	11.8	21.0	25.5	27.0	23.7	22.8	20.1	21.6	19.8	16.5	16.3
15 D	-2.4	13.4	16.5	10.1	6.2	15.5	12.7	32.6	14.7	8.3	18.2	14.4	13.4	11.9	14.6	17.9	19.7	22.4	21.6	22.1	21.2	20.6	12.5	17.0	15.6
16	16.1	12.5	13.3	14.3	16.1	12.4	14.0	17.7	19.3	16.6	15.2	12.1	11.6	15.8	18.2	18.4	20.2	20.8	22.0	22.6	19.8	17.2	17.2	16.4	16.6
17	14.7	14.1	15.9	12.5	11.0	12.5	16.2	15.5	17.5	18.9	15.9	13.7	11.6	11.2	12.0	19.0	26.2	28.4	23.5	21.9	20.1	20.9	22.8	18.1	17.3
18	16.2	-2.9	8.3	13.1	15.9	13.2	19.5	20.4	14.9	15.3	14.4	12.4	10.7	9.7	12.1	16.2	18.9	21.7	22.6	24.4	20.7	18.2	17.0	16.1	15.4
19	14.9	16.1	14.0	16.4	16.4	16.4	15.5	15.0	15.2	13.5	12.8	12.1	11.1	14.3	19.9	22.5	23.7	23.5	22.9	21.6	19.6	18.0	15.3	15.6	16.9
20 D	15.9	14.9	11.1	15.0	15.7	16.5	15.7	15.4	19.3	16.7	10.6	12.2	12.2	10.3	11.6	14.2	17.8	22.9	24.8	23.0	19.7	18.1	14.7	-0.7	15.3
21	10.2	15.2	16.1	15.9	15.5	17.1	18.4	17.0	17.5	19.4	15.6	12.4	11.1	11.2	12.2	15.0	19.4	21.6	22.5	22.2	21.2	19.2	18.0	15.6	16.6
22	17.1	5.4	13.4	17.7	18.9	17.6	17.5	15.6	15.5	16.3	15.7	12.5	10.7	10.1	12.0	16.5	20.6	23.5	26.7	23.4	27.1	25.1	21.2	18.6	17.4
23 D	9.7	-3.5	13.0	17.1	17.4	16.8	13.9	10.0	10.6	19.4	12.5	14.8	14.7	12.4	17.9	20.7	21.9	24.7	25.3	27.9	23.8	22.5	20.5	-1.4	15.9
24 D	15.2	7.9	11.5	15.0	15.1	18.4	18.3	27.7	21.6	20.7	13.4	12.0	10.6	10.3	12.3	15.9	18.3	21.0	22.5	22.6	19.4	18.4	18.4	16.4	16.8
25	12.5	14.7	9.3	14.5	11.6	13.2	15.5	18.5	24.3	18.2	15.6	15.3	16.1	17.5	16.6	18.6	19.5	20.0	20.7	21.1	20.2	18.9	17.1	16.7	16.9
26	16.1	15.6	10.9	14.0	13.8	17.6	16.6	13.4	11.6	19.8	16.5	13.4	13.8	14.7	13.0	16.8	20.0	22.1	23.2	21.6	18.3	19.4	17.5	17.9	16.6
27 Q	16.6	12.2	13.1	12.1	12.0	15.1	13.8	16.2	16.6	13.8	14.7	14.8	13.4	12.5	13.6	15.6	19.3	21.8	23.0	22.9	21.9	19.7	18.4	17.4	16.3
28 Q	18.5	13.8	15.8	16.4	15.8	15.1	14.9	14.0	15.3	16.5	14.7	13.0	12.9	12.4	13.1	16.6	20.5	22.1	21.6	20.7	20.4	19.3	17.7	18.7	16.6
29 Q	15.3	16.0	16.0	15.5	15.7	15.7	15.7	15.1	15.1	15.2	14.8	13.9	13.0	14.0	14.3	16.4	18.5	20.7	21.8	21.2	20.5	20.0	19.4	18.9	16.7
30	18.4	11.5	11.3	14.9	13.7	14.4	14.5	15.4	14.1	13.9	13.9	12.4	13.4	20.5	22.5	20.6	19.0	19.7	20.7	22.1	24.2	25.2	23.5	16.6	17.4
31	19.5	18.0	16.2	15.3	18.0	18.8	21.6	21.6	15.1	13.7	13.9	13.4	14.7	15.2	15.0	15.9	18.0	20.5	21.6	21.2	20.3	19.4	19.4	19.2	17.7
Mean	15.1	12.7	13.5	13.9	14.3	15.6	16.3	17.2	16.2	16.2	15.0	13.8	13.1	13.3	14.4	16.7	19.7	21.8	22.6	22.4	21.1	20.1	18.8	16.6	16.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 11. Agincourt. (Z.) 56,000 γ + March, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	221	221	218	218	217	217	214	213	212	213	213	212	214	212	210	206	210	212	218	221	221	224	236	242	217
2	241	236	227	225	174	197	211	204	211	207	206	211	212	209	209	206	204	207	211	216	215	215	217	219	212
3 Q	217	215	215	215	198	203	209	211	213	213	209	210	211	211	209	207	208	211	211	212	215	216	213	213	211
4	211	211	211	212	204	208	209	211	194	184	191	200	207	211	211	206	203	207	212	215	219	221	224	233	209
5	241	241	210	207	215	211	211	208	210	212	209	207	207	203	209	207	210	216	217	216	212	218	221	228	214
6	231	228	228	215	222	219	217	212	214	213	212	211	211	214	213	205	201	207	210	211	217	222	223	229	216
7	228	219	224	222	223	205	201	206	208	201	184	201	214	206	207	202	202	207	213	214	217	225	234	237	212
8	231	222	218	209	208	213	214	212	212	205	206	213	213	213	208	202	201	205	208	210	218	222	244	234	214
9	225	218	218	219	217	201	225	227	202	189	194	205	210	208	208	206	204	210	228	231	222	219	217	214	213
10	216	214	212	214	214	209	209	206	200	204	210	211	210	207	205	207	206	209	215	219	219	222	224	231	212
11	231	230	214	204	202	202	190	172	188	198	207	211	208	210	208	208	204	210	212	216	219	245	237	235	210
12	234	225	219	216	214	192	170	190	198	205	208	207	204	202	200	198	201	206	211	214	224	226	228	222	209
13	223	220	222	225	223	216	215	214	214	214	214	213	209	208	206	203	209	211	211	223	238	226	226	230	217
14 D	238	259	242	218	200	191	127	135	184	205	215	215	217	215	215	220	232	243	250	246	243	241	238	241	218
15 D	225	225	225	216	187	209	187	129	188	193	206	215	201	216	209	208	207	209	218	223	229	236	230	223	209
16	219	213	209	210	188	184	206	199	194	184	196	208	206	209	209	210	205	210	216	225	235	233	229	226	209
17	229	223	222	222	217	217	220	219	219	216	218	220	219	219	216	217	230	231	232	231	238	235	249	256	226
18	252	235	203	235	205	193	191	196	200	208	217	223	215	211	213	210	208	210	213	218	222	225	220	219	214
19	222	219	220	219	217	215	215	216	215	213	212	212	209	205	206	206	206	210	217	220	224	223	226	226	216
20 D	226	236	207	207	218	219	223	214	206	209	214	215	220	215	214	207	202	213	219	221	223	220	233	235	217
21	236	237	236	225	218	209	209	215	214	207	209	219	220	216	214	210	210	216	220	227	233	230	231	227	220
22	226	220	218	220	218	215	216	218	216	208	207	211	213	210	212	214	216	221	224	231	266	301	247	237	224
23 D	245	233	238	240	236	221	180	163	195	201	206	197	191	204	210	204	207	215	223	230	256	239	262	271	219
24 D	292	279	255	218	185	186	188	161	165	168	183	200	207	209	214	213	210	214	230	232	221	218	221	230	213
25	230	193	204	204	197	207	210	203	192	195	207	209	213	214	214	210	210	209	214	222	230	217	216	216	210
26	212	214	212	212	214	171	178	194	194	198	201	203	206	209	207	201	206	214	214	220	230	224	221	216	207
27 Q	216	212	197	212	210	216	209	204	197	196	207	214	212	210	212	212	210	214	216	216	217	219	219	220	211
28 Q	216	216	214	210	210	207	195	197	201	206	207	208	207	203	202	200	200	203	207	208	209	209	215	214	207
29 Q	216	210	208	207	207	207	207	208	206	207	204	204	206	204	203	195	195	194	198	206	209	214	220	224	207
30	227	225	216	219	215	210	209	209	209	208	208	208	208	203	193	184	185	192	199	208	215	225	247	247	211
31	222	220	225	232	223	204	179	169	198	207	210	210	212	210	209	208	205	208	209	214	216	223	224	219	211
Mean	229	225	219	217	209	206	202	198	202	203	206	210	210	210	209	206	207	211	216	220	225	226	229	229	214

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 12. Agincourt — March, 1954.

Day	Horizontal Force							Declination							Vertical Force					
	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	20	22	533	23	0	481	52	23	32	27.4	13	4	13.8	13.6	23	39	247	16	7	205	42
2	4	13	535	1	17	481	54	4	22	30.2	4	52	4.7	25.5	1	25	244	4	22	154	90
3 Q	19	38	523	15	23	480	43	18	5	23.8	1	20	5.2	18.6	3	20	218	5	2	181	37
4	20	52	528	11	15	484	44	21	22	22.0	13	32	10.3	11.7	23	55	236	9	10	176	60
5	21	52	523	15	29	472	51	19	15	23.4	1	42	4.6	18.8	1	31	272	2	25	198	74
6	20	19	523	16	32	482	41	3	12	24.3	12	38	9.9	14.4	0	1	231	3	16	199	32
7	5	28	522	3	5	470	52	10	8	25.2	2	32	2.0	23.2	22	55	239	10	20	175	64
8	20	28	546	16	41	488	58	22	33	27.8	4	13	7.1	20.7	22	52	261	3	33	195	66
9	21	20	530	17	57	453	77	19	14	30.1	13	45	11.0	19.1	19	20	231	9	48	172	59
10	21	50	537	17	58	483	54	20	15	24.6	14	28	11.4	13.2	23	58	237	8	47	197	40
11	8	7	531	22	9	475	56	7	15	33.8	1	23	-0.8	34.6	1	22	242	7	16	152	90
12	21	15	521	17	2	478	43	20	16	24.8	0	45	11.0	13.8	0	30	240	6	28	166	74
13	22	18	526	15	37	448	78	20	18	28.3	12	27	11.1	17.2	20	26	242	15	36	199	43
14 D	3	45	525	6	45	355	170	17	30	30.8	3	39	-5.0	35.8	23	59	270	7	0	57	213
15 D	4	1	527	7	8	439	88	7	21	39.0	0	10	-15.1	54.1	0	1	268	7	30	92	176
16	1	10	521	13	48	376	145	19	38	23.8	1	2	4.2	19.6	21	55	241	5	2	167	74
17	19	26	544	16	3	449	95	17	15	31.1	5	0	7.1	24.0	23	10	292	4	55	207	85
18	4	25	518	2	22	465	53	19	30	26.1	1	36	-7.8	33.9	1	0	282	2	17	185	97
19	20	56	523	14	5	460	63	17	4	24.8	12	38	10.1	14.7	22	50	229	14	5	200	29
20 D	22	7	528	17	0	465	63	18	12	26.2	2	22	-4.3	30.5	23	3	241	2	41	187	54
21	19	37	525	0	22	470	55	20	7	23.5	0	1	-0.8	24.3	0	22	239	9	55	202	37
22	20	28	581	15	33	478	103	20	15	30.6	1	42	2.4	28.2	21	16	319	11	0	201	118
23 D	22	57	574	1	8	440	134	19	49	33.0	1	22	-9.8	42.8	23	1	407	7	33	156	251
24 D	21	55	536	8	2	450	86	7	23	35.2	4	7	1.5	33.7	0	36	330	7	58	133	197
25	1	5	546	0	37	476	70	8	40	27.6	1	0	6.5	21.1	0	2	242	1	15	179	63
26	5	5	548	16	32	465	83	18	18	24.4	2	33	5.5	18.9	20	31	230	5	34	157	73
27 Q	2	2	530	15	38	483	47	19	39	23.3	1	53	2.8	20.5	20	10	220	2	6	187	33
28 Q	20	3	537	1	25	501	36	17	20	22.2	1	40	11.5	10.7	0	2	218	6	16	191	27
29 Q	2	0	526	23	59	499	27	19	15	22.4	13	17	12.1	10.3	23	55	227	17	45	194	33
30	19	39	534	13	19	481	53	21	16	26.7	2	55	4.6	22.1	22	58	279	15	55	179	100
31	19	35	539	16	20	492	47	7	22	24.4	11	17	12.4	12.0	3	35	234	7	4	162	72
Mean			533			465	68			27.1			4.5	22.6			255			174	81
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 13. Agincourt. (H.) 15,000 γ + April, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	514	512	512	510	513	510	511	502	508	514	513	513	511	503	497	494	498	508	524	534	539	521	506	510	511
2	507	510	507	510	508	511	511	513	514	515	513	525	510	498	496	505	512	517	523	519	528	527	512	490	512
3	500	506	501	499	515	511	492	499	492	491	498	503	496	485	483	485	490	500	515	516	511	520	500	500	500
4	497	503	496	491	498	500	506	508	503	500	503	508	506	495	483	472	470	488	511	531	537	518	514	505	502
5	499	495	504	510	514	501	508	497	498	503	506	508	503	500	490	479	477	488	503	516	524	526	521	518	504
6	511	511	514	516	521	519	520	518	518	519	514	514	506	494	486	483	488	500	519	524	531	537	530	518	513
7 Q	518	523	523	526	524	521	526	518	513	519	520	514	512	508	500	493	500	513	520	528	536	530	523	522	518
8	523	525	523	521	523	524	526	523	523	526	522	519	519	512	499	486	493	500	513	519	536	533	523	516	518
9	511	515	506	511	513	510	509	508	507	516	521	516	511	498	490	493	502	506	514	518	522	523	517	516	511
10	521	520	514	526	520	516	521	521	525	523	522	513	518	513	501	491	485	493	506	514	529	519	512	515	514
11 D	510	518	516	527	524	518	521	521	522	523	518	513	515	506	495	484	489	508	512	510	542	547	544	518	517
12 D	501	474	454	446	355	435	477	432	478	464	454	444	440	486	479	478	493	497	512	523	544	546	520	511	477
13	499	504	511	495	502	499	498	498	501	500	500	497	494	471	460	490	483	487	499	516	523	502	502	512	498
14	510	505	505	504	487	517	502	505	507	497	512	505	497	484	482	487	493	499	507	516	528	527	527	527	506
15 D	510	500	502	505	505	510	500	500	512	514	513	507	502	484	473	488	500	512	515	522	517	526	521	516	506
16	509	502	507	514	517	515	516	502	513	521	518	515	513	505	497	486	490	506	519	524	527	530	522	517	512
17	515	512	516	525	517	523	510	512	517	519	520	516	510	498	484	480	497	505	512	517	537	532	538	513	513
18	510	505	514	512	520	513	517	520	515	518	509	505	513	504	497	495	505	518	520	525	540	535	519	525	515
19	522	521	514	517	529	528	527	522	520	510	515	517	520	510	499	490	485	494	510	520	527	533	540	533	517
20 D	525	527	527	536	520	508	500	517	522	517	520	516	513	493	505	505	509	505	508	522	515	529	538	522	517
21	515	525	515	519	527	515	518	497	519	525	525	510	498	504	496	492	487	502	519	533	533	530	529	524	515
22	526	518	522	510	522	520	520	526	520	520	520	520	512	509	505	507	510	518	527	530	527	530	538	543	521
23 D	522	513	520	519	527	525	533	519	528	512	507	514	535	515	492	487	504	520	525	538	517	548	522	513	519
24	515	517	527	510	515	520	522	524	513	510	524	519	513	505	499	499	511	520	528	522	530	530	538	520	518
25 Q	512	527	519	527	523	517	514	517	518	515	515	518	515	510	499	493	497	510	523	533	527	527	538	530	518
26	522	512	505	503	502	516	524	514	517	512	513	517	516	500	485	505	525	535	542	535	527	535	541	522	518
27	511	496	517	510	505	508	503	491	485	500	500	497	502	500	496	492	499	508	515	515	526	530	520	524	507
28 Q	522	520	521	522	527	522	515	521	521	520	518	515	513	508	500	502	513	524	530	539	538	545	538	530	522
29 Q	507	518	520	523	526	523	523	520	523	525	526	525	516	510	502	502	517	527	536	543	529	534	535	531	523
30	532	530	526	522	513	504	497	505	516	525	513	507	512	505	497	490	502	522	532	535	527	523	519	520	516
31																									
Mean	513	512	512	512	510	512	512	509	512	512	512	510	508	500	492	491	498	508	518	524	529	530	525	519	512

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14. Agincourt. (D.) West. 7° + . . . ′ April, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	18.1	16.7	16.4	15.8	14.6	12.4	12.0	9.8	12.9	14.0	13.8	12.5	12.0	11.1	11.5	14.3	17.9	21.6	21.1	20.3	18.9	18.4	16.6	18.2	15.5
2	16.6	16.1	16.5	16.1	16.1	15.9	15.7	15.2	14.3	15.8	18.8	14.4	10.3	9.4	13.0	17.9	20.5	22.8	22.8	21.1	20.2	24.2	24.9	20.5	17.4
3	17.4	17.1	17.0	15.2	14.4	15.8	15.9	14.4	15.3	16.1	11.5	11.1	8.6	11.1	17.3	20.0	22.1	24.0	24.8	25.2	23.4	21.5	15.9	16.5	17.1
4	18.8	16.2	11.5	12.9	17.4	23.5	13.1	14.7	14.0	15.7	15.2	12.4	10.3	10.7	13.4	17.1	21.6	24.3	23.5	21.6	20.5	18.9	17.5	17.9	16.8
5	16.8	15.9	15.2	15.6	10.6	16.8	16.7	15.3	24.3	10.3	14.3	12.4	9.3	9.7	12.4	15.7	19.8	22.9	24.4	23.1	20.6	18.0	16.0	15.3	16.3
6	16.0	17.1	16.6	15.6	15.5	16.1	16.0	17.5	16.1	13.9	15.8	12.4	10.7	11.4	12.3	15.9	19.4	22.8	24.3	23.9	21.2	18.4	17.0	15.3	16.7
7 Q	13.0	14.0	13.9	15.3	17.0	16.1	20.3	14.4	12.8	14.4	13.4	11.8	11.5	12.1	13.3	17.0	21.2	24.8	26.6	25.3	23.8	21.5	18.3	16.2	17.0
8	25.8	15.6	15.1	15.6	16.1	16.0	15.7	15.9	16.1	14.4	14.4	14.3	13.9	12.0	12.2	15.5	19.2	21.5	23.0	22.6	24.4	22.5	23.5	13.2	17.4
9	18.9	9.8	14.4	15.1	14.9	14.0	13.4	12.5	12.6	10.3	11.1	10.4	9.2	10.6	15.7	18.4	20.3	21.2	20.6	20.6	20.5	19.5	18.0	17.1	15.4
10	16.2	16.8	15.2	12.1	14.2	17.2	15.9	16.7	17.5	13.8	14.3	14.9	12.4	11.3	13.9	16.8	20.7	25.9	24.4	21.5	19.8	18.9	18.0	16.8	16.9
11 D	8.5	14.9	16.6	15.7	15.3	15.8	15.7	14.8	13.0	12.1	10.7	12.5	11.1	10.3	13.3	17.1	20.7	22.6	26.5	26.0	30.1	25.5	23.5	15.9	15.7
12 D	8.1	28.1	8.9	23.7	18.5	14.1	15.6	24.7	14.3	9.0	8.1	6.9	15.9	6.2	10.0	15.6	19.4	22.9	22.7	22.5	21.5	21.5	19.5	19.7	16.6
13	15.9	16.6	18.8	15.7	17.1	18.4	17.9	15.8	15.2	15.7	13.1	13.8	13.5	16.5	23.3	20.6	23.5	24.4	24.1	20.5	20.5	19.7	17.1	16.8	18.1
14	16.7	13.6	8.8	12.1	11.2	15.2	16.5	16.5	16.1	19.8	15.7	12.2	12.2	12.5	15.2	18.4	19.5	20.5	20.8	20.4	19.6	18.4	17.4	16.7	16.1
15 D	7.1	9.8	12.6	15.7	21.1	18.9	15.0	18.0	15.8	13.5	12.4	11.8	11.6	14.7	20.2	23.2	24.4	22.5	23.8	28.4	24.6	19.5	18.4	17.4	17.5
16	16.4	15.1	17.1	16.2	16.1	17.0	16.8	19.6	20.4	14.3	12.6	10.6	10.0	10.5	13.0	17.1	20.3	22.4	23.6	23.9	22.9	20.3	19.3	18.2	17.3
17	17.3	16.3	15.5	13.8	14.9	12.8	14.7	16.5	15.3	14.2	13.2	11.3	11.1	11.8	13.9	18.0	21.5	23.6	27.3	26.4	20.3	17.4	15.7	17.3	16.7
18	15.7	12.1	15.2	16.4	17.0	20.6	22.4	15.1	13.1	13.3	11.3	13.5	11.9	10.2	15.6	20.4	22.4	22.0	23.1	24.1	23.7	22.8	19.3	17.3	17.5
19	16.8	16.1	11.9	15.1	15.8	19.6	16.5	14.8	15.8	17.9	15.6	11.9	10.4	12.3	13.5	15.5	20.0	25.7	23.8	23.0	21.1	18.8	17.0	17.3	16.9
20 D	16.4	15.2	8.8	7.2	16.0	9.6	17.4	15.4	13.3	13.3	10.8	9.7	10.2	15.1	16.1	15.1	20.2	23.4	25.1	22.9	23.1	19.6	18.2	16.6	15.8
21	13.0	15.4	15.6	15.5	21.0	19.0	21.4	13.2	13.2	12.0	9.6	11.1	15.5	15.9	14.9	16.5	20.8	21.7	22.6	20.8	19.7	18.2	17.2	15.3	16.6
22 D	15.0	11.1	8.7	14.5	16.4	19.1	15.8	13.7	13.3	13.8	13.2	12.0	13.2	13.5	13.6	17.2	19.8	21.4	22.0	21.7	20.3	19.1	17.8	16.7	16.0
23	15.6	12.7	10.3	12.0	15.9	15.0	14.7	16.4	13.9	7.8	12.7	10.1	8.8	10.8	14.4	21.6	25.1	25.1	26.3	26.3	23.3	17.3	19.0	18.3	16.4
24	17.8	14.2	7.1	14.2	14.4	16.2	18.3	16.8	15.5	16.3	12.8	10.4	10.0	11.2	13.0	15.5	20.5	20.4	19.8	20.2	19.1	19.8	17.2	11.4	15.5
25 Q	15.8	14.2	16.3	17.3	15.5	14.5	18.2	21.4	15.5	13.2	12.1	10.5	11.1	11.4	13.2	17.2	20.8	21.9	22.9	22.8	21.8	18.7	16.9	16.0	16.7
26	15.4	12.5	9.5	13.6	14.6	12.3	18.0	16.7	15.8	11.8	10.3	9.3	9.8	11.4	17.1	22.6	22.2	21.2	20.8	21.5	21.0	19.6	18.9	19.0	16.0
27	6.0	12.7	12.0	17.7	15.4	16.7	22.2	12.2	8.4	10.8	11.7	14.7	13.2	13.6	15.0	16.2	17.7	19.0	18.6	18.2	16.5	17.1	17.7	17.2	15.0
28 Q	12.6	16.8	16.4	17.2	13.1	15.5	14.3	14.8	14.1	13.5	12.0	12.1	11.7	13.4	14.4	17.1	19.3	19.9	19.6	18.6	18.0	17.3	17.6	17.3	15.7
29 Q	15.6	17.3	16.5	16.1	15.1	14.2	15.0	13.5	13.4	12.2	10.5	9.2	10.6	12.6	15.4	18.3	20.4	21.5	20.8	19.9	18.8	17.0	15.9	16.2	15.7
30	16.5	16.2	16.8	14.1	14.1	12.3	11.8	17.3	15.4	13.0	15.9	19.7	14.4	13.5	17.7	22.2	25.9	25.1	23.5	20.4	18.7	18.1	16.3	15.9	17.3
31																									
Mean	15.3	15.2	13.8	15.1	15.6	16.0	16.4	15.8	14.9	13.5	12.9	12.0	11.5	11.9	14.6	17.8	20.9	22.6	23.1	22.5	21.3	19.6	18.2	15.7	16.5

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 15. Agincourt. (Z.) 56,000 γ + April, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	219	216	215	214	210	208	207	208	215	215	213	212	211	209	209	207	208	208	209	209	212	219	226	220	212
2	215	214	212	212	210	211	210	208	208	204	198	196	186	187	189	184	189	195	201	207	222	246	273	253	209
3	231	220	215	210	188	186	186	196	198	186	202	213	208	204	204	204	204	213	220	225	231	240	256	250	212
4	240	234	231	226	225	172	194	220	220	219	220	224	220	217	216	215	212	216	220	227	231	234	231	234	221
5	234	232	227	222	209	214	216	207	184	201	215	214	213	214	209	208	208	209	214	219	221	221	217	217	214
6	217	217	217	213	208	210	209	205	204	208	211	213	213	211	209	204	207	208	208	211	214	215	215	214	211
7 Q	213	210	209	207	209	209	201	192	203	208	210	209	208	204	203	198	197	198	204	210	213	214	215	215	207
8	210	210	210	211	210	209	209	209	208	208	208	206	205	204	205	202	197	197	204	216	228	240	247	243	212
9	230	211	215	217	210	208	210	210	207	211	216	216	212	205	204	208	203	204	210	215	219	218	221	221	213
10	216	217	218	203	208	214	215	214	206	210	211	205	205	205	199	196	199	210	217	217	223	221	223	226	212
11 D	221	217	217	210	206	215	215	211	211	210	210	213	211	206	206	205	211	212	215	250	269	279	327	213	228
12 D	326	347	326	015	084	167	194	160	220	208	208	202	176	214	226	223	215	217	212	218	229	255	252	262	215
13	252	238	215	226	223	223	223	223	222	220	221	217	212	205	216	216	222	223	221	226	235	239	241	232	225
14	226	229	214	205	185	211	210	221	220	222	220	215	216	217	222	223	224	221	218	221	224	223	221	223	218
15 D	228	217	226	222	204	187	189	199	217	220	222	217	215	210	210	212	214	216	226	247	259	252	232	226	219
16	227	226	226	221	217	208	206	196	205	214	218	220	218	215	217	216	219	222	228	226	232	235	234	231	220
17	228	226	221	213	209	203	209	217	218	221	220	217	215	209	209	206	209	215	222	220	223	222	229	223	217
18	232	229	223	222	216	205	186	203	215	218	210	215	210	209	208	211	217	223	228	229	238	243	234	226	219
19	222	221	217	216	216	198	199	210	216	210	210	215	214	210	211	212	216	217	223	229	229	227	225	228	216
20 D	228	226	212	186	187	190	188	196	211	221	220	219	217	214	216	212	205	209	232	246	238	235	229	226	215
21	226	223	223	220	193	176	155	169	214	219	217	209	203	204	205	202	205	214	220	219	218	217	218	220	208
22	218	216	200	209	205	186	202	209	214	215	212	211	212	214	211	205	205	211	212	211	214	213	215	218	210
23 D	220	220	217	215	214	217	216	198	199	196	198	187	196	199	202	199	202	212	220	235	239	251	241	239	214
24	229	221	195	191	208	211	211	216	209	199	208	216	217	220	217	213	221	223	229	238	241	235	241	241	219
25 Q	236	223	223	215	205	205	205	198	209	216	222	222	218	221	216	211	213	217	219	222	226	224	228	229	218
26	228	235	217	196	203	209	208	210	214	220	223	221	218	215	212	214	217	221	221	226	235	235	254	277	222
27	258	253	196	222	228	235	191	176	197	220	221	211	210	212	212	210	215	220	223	223	226	229	228	228	218
28 Q	226	226	226	228	218	217	222	223	222	223	221	218	217	216	213	213	212	211	213	215	217	222	226	227	220
29 Q	238	235	229	226	217	217	221	223	223	222	220	221	217	221	216	211	208	214	218	222	221	223	221	218	221
30	218	219	219	220	217	217	220	209	200	218	212	195	199	205	210	209	210	209	208	214	222	226	229	228	214
31																									
Mean	231	228	221	207	205	205	204	205	210	213	214	212	210	210	210	208	209	213	217	223	228	232	235	234	216

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 16. Agincourt — April, 1954.

Day	Horizontal Force							Declination							Vertical Force						
	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	20	17	544	17	2	491	53	17	24	22.5	7	25	8.8	13.7	22	20	228	6	47	198	30
2	20	14	549	14	27	475	74	22	44	27.9	13	39	7.9	20.0	22	42	282	15	30	181	101
3	20	59	535	22	43	475	60	19	12	26.5	12	17	7.7	18.8	22	50	262	5	57	173	89
4	20	32	541	16	0	464	77	5	6	32.0	3	8	4.9	27.1	0	40	240	5	27	151	89
5	22	52	531	16	18	475	56	8	18	30.6	4	20	6.6	24.0	0	18	234	8	48	172	62
6	21	5	542	17	28	475	67	19	0	24.8	13	12	9.7	15.1	0	30	219	4	10	201	18
7 Q	20	41	537	15	33	491	46	18	58	27.8	0	17	10.1	17.7	21	48	216	7	0	189	27
8	20	18	542	15	58	483	59	20	25	25.7	23	20	2.3	23.4	23	15	278	17	6	195	83
9	20	32	531	14	48	482	49	17	57	22.0	1	18	0.7	21.3	1	15	234	2	47	197	37
10	20	44	544	16	47	480	64	17	40	28.5	3	2	-0.4	28.9	20	43	229	15	30	192	37
11 D	23	25	620	23	52	456	164	20	32	33.6	23	32	-42.1	75.7	23	15	480	4	11	199	281
12 D	1	26	678	4	8	243	435	3	49	93.3	3	33	-52.3	145.6	0	11	505	3	42	-195	700
13	20	58	546	14	13	447	99	18	2	27.0	2	1	11.1	15.9	0	2	268	2	36	193	75
14	20	22	534	14	2	472	62	3	14	23.5	2	9	-1.4	24.9	2	2	232	4	29	169	63
15 D	21	40	535	14	12	466	69	19	28	31.1	0	46	-2.1	33.2	20	11	264	5	40	179	85
16	21	10	533	15	10	484	49	8	3	25.2	12	58	9.3	15.9	22	2	235	7	43	189	46
17	22	18	548	15	20	477	71	18	52	28.6	5	12	9.9	18.7	22	18	232	5	23	198	34
18	20	13	546	15	28	489	57	6	20	27.6	1	10	8.3	19.3	21	38	246	6	40	174	72
19	22	39	548	17	23	482	66	17	23	27.4	2	48	7.5	19.9	23	15	230	5	55	187	43
20 D	3	8	550	18	12	487	63	18	6	27.0	2	45	-7.6	34.6	19	51	251	3	22	173	78
21	19	49	536	15	3	483	53	18	27	23.6	11	38	8.7	14.9	0	17	228	6	27	147	81
22 D	23	7	548	14	50	502	46	18	30	22.3	2	32	4.8	17.5	0	5	221	5	26	179	42
23	21	26	564	15	6	477	87	18	27	27.3	9	34	6.4	20.9	21	26	255	11	14	180	75
24	2	43	554	15	17	494	60	17	8	21.1	2	13	-2.2	23.3	23	2	246	2	56	170	76
25 Q	22	53	545	14	57	489	56	7	24	23.8	1	10	8.1	15.7	0	10	238	7	42	193	45
26	22	9	553	14	45	478	75	15	53	25.9	2	54	-4.4	30.3	23	57	298	3	4	179	119
27	2	37	546	2	0	468	78	2	53	31.6	2	31	-8.0	39.6	0	8	317	2	42	150	167
28 Q	22	0	556	14	38	494	62	17	43	20.5	0	22	6.2	14.3	23	42	229	17	50	208	21
29 Q	19	37	548	15	21	496	52	17	18	21.7	11	32	9.0	12.7	0	45	244	5	5	199	45
30	18	55	541	15	8	485	56	16	34	27.2	6	33	9.2	18.0	22	13	229	8	17	187	42
31																					
Mean			551			472	79			28.6			1.2	27.4			262			170	92
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, 1954.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	519	522	518	526	524	522	524	525	526	525	525	525	518	512	502	497	505	515	527	534	538	535	530	540	522
2	533	530	516	515	533	513	517	527	527	521	522	521	513	502	492	487	492	510	520	529	528	533	538	538	519
3	531	519	522	525	541	528	533	528	524	524	525	525	525	520	515	511	510	512	520	525	534	535	542	545	526
4 D	543	546	541	537	536	529	522	525	533	539	538	527	522	519	510	512	516	533	536	529	566	566	529	512	532
5	516	521	521	516	520	521	527	523	519	515	522	525	521	517	513	506	507	526	539	544	541	538	530	533	523
6	525	515	518	527	527	521	520	524	527	525	523	520	517	514	509	507	515	522	533	538	536	539	535	533	524
7 Q	532	532	535	532	535	538	536	535	534	533	533	533	529	530	511	506	510	521	530	538	541	541	541	538	531
8	543	530	533	522	520	528	533	530	530	530	532	527	527	523	516	506	509	533	553	550	538	546	538	533	530
9 D	504	497	508	507	505	519	515	510	525	521	512	517	508	497	501	515	525	533	535	540	537	533	533	530	518
10	532	530	527	530	527	527	534	529	526	530	528	522	519	513	513	517	530	546	558	558	542	548	538	530	532
11 D	535	515	507	505	500	499	519	528	519	510	520	514	511	517	522	522	530	535	543	536	545	547	543	532	523
12	528	527	533	530	533	530	529	525	525	523	517	520	522	527	525	521	531	542	546	547	543	550	535	538	531
13	526	530	525	527	536	530	529	533	527	523	529	529	520	507	516	518	527	536	546	548	535	535	538	533	529
14	527	522	519	521	520	522	522	516	528	519	520	522	523	515	511	515	533	539	545	543	535	538	538	539	526
15	535	534	537	539	544	528	538	533	537	534	537	537	528	516	499	511	518	525	537	543	550	551	540	532	533
16	526	518	529	522	532	521	526	527	529	531	529	528	525	514	505	504	513	518	527	539	554	552	548	545	528
17 Q	542	539	535	536	540	538	538	538	538	537	535	533	526	518	507	501	509	524	535	552	557	558	557	547	535
18 D	550	560	554	540	520	530	534	540	534	531	521	519	521	518	518	510	506	520	528	523	545	543	545	534	531
19	514	521	521	524	535	529	525	527	526	519	526	530	528	517	495	495	512	524	534	544	534	553	535	529	525
20	518	519	528	533	542	535	533	529	522	521	526	520	516	516	520	523	530	533	542	550	545	540	529	525	529
21 D	518	504	511	512	519	524	527	527	523	516	509	519	519	510	506	510	525	540	550	549	545	533	533	528	523
22	525	523	524	524	521	521	518	513	519	520	521	518	512	504	502	504	514	529	539	544	540	557	547	535	524
23	526	532	535	532	528	526	528	524	524	524	526	521	519	515	514	519	526	527	529	536	528	529	539	539	527
24	536	540	537	534	536	534	535	528	518	515	520	519	517	513	508	511	513	523	525	531	536	541	536	528	526
25 Q	538	536	533	546	538	527	529	531	536	532	531	527	527	521	513	515	527	536	544	549	548	542	534	536	533
26	536	543	540	537	533	546	531	536	531	534	534	532	531	529	524	520	526	527	540	543	546	547	542	540	535
27	534	518	524	525	533	531	526	522	525	525	524	522	522	518	513	512	524	544	553	556	543	537	528	530	529
28	533	533	535	534	533	534	531	530	528	524	534	530	527	518	518	517	531	536	550	555	549	541	535	537	533
29	541	526	520	525	525	532	528	521	531	529	536	532	525	518	511	500	508	534	545	549	547	545	544	542	530
30 Q	540	541	536	531	536	534	534	536	537	542	543	535	525	513	511	519	528	538	545	550	551	553	545	540	536
31	539	541	537	540	542	541	542	543	539	543	542	544	528	519	507	521	547	562	568	559	555	550	538	538	542
Mean	530	528	528	528	530	528	529	528	528	526	527	526	522	516	511	511	519	530	540	543	543	544	538	535	529

64989-7—9½

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18. Agincourt. (D.) West. 7° + . . . ' May, 1954.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	15.8	12.5	14.4	15.3	16.8	15.4	15.9	15.3	15.0	14.1	12.2	11.0	10.3	11.2	13.1	17.1	20.1	21.2	21.8	20.7	19.1	17.7	16.4	15.3	15.7
2	15.9	17.7	14.4	12.7	21.8	10.0	11.6	13.1	12.1	10.7	11.0	9.3	8.6	9.1	10.4	14.7	18.0	20.2	22.2	21.7	20.8	18.6	17.1	16.8	15.0
3	16.7	15.2	14.4	13.4	18.0	13.6	14.5	12.1	11.6	11.3	11.7	9.5	8.8	8.8	10.1	15.0	19.4	22.1	22.4	21.3	20.0	18.8	17.6	16.7	15.1
4 D	16.0	16.7	15.9	14.2	14.2	10.2	8.9	10.3	11.0	11.1	8.6	10.0	8.9	9.8	12.6	17.6	20.9	21.0	24.5	24.4	19.6	20.0	16.6	17.0	15.0
5	16.7	15.8	14.7	15.5	16.0	15.0	16.6	15.2	13.0	12.4	11.1	9.9	10.8	11.2	14.0	18.2	21.8	24.0	25.3	23.4	20.6	18.9	17.7	16.7	16.4
6	13.6	11.8	13.1	15.3	15.4	14.9	16.7	20.4	15.1	14.0	14.0	13.0	11.8	10.9	12.7	15.7	18.0	17.8	18.1	19.8	19.7	18.0	16.2	15.4	15.5
7 Q	15.4	15.4	15.4	15.4	15.2	14.5	13.9	12.9	12.9	12.3	10.8	9.9	9.2	9.8	11.6	14.4	17.9	20.6	20.4	20.3	19.6	18.4	16.8	16.2	15.0
8	15.3	14.0	12.4	12.1	12.5	14.6	13.5	13.0	11.6	10.8	11.3	9.9	8.1	8.8	9.4	13.9	22.2	21.4	20.2	20.6	21.7	20.2	19.3	21.1	14.9
9 D	16.6	11.3	13.9	8.9	10.6	13.0	14.1	20.2	14.9	12.3	12.7	10.8	11.4	13.6	16.1	17.7	18.3	18.8	20.2	20.5	20.2	16.7	17.0	17.1	15.3
10	16.7	16.1	14.2	14.1	13.5	14.7	18.4	11.9	10.3	11.1	10.3	10.8	10.7	12.0	13.1	15.5	17.1	18.4	18.7	19.1	20.5	19.3	20.0	18.8	15.2
11 D	16.2	4.6	12.7	10.6	11.5	19.3	23.4	13.2	11.5	14.0	12.9	10.4	13.7	14.8	16.2	17.6	18.4	20.2	20.8	21.9	18.7	17.8	17.9	13.2	15.5
12	17.2	17.9	17.5	17.0	15.6	15.5	14.8	13.9	13.3	14.0	15.2	12.6	11.1	12.2	14.2	16.4	17.9	17.8	19.2	19.5	17.2	15.7	15.3	15.8	15.7
13	16.0	15.6	13.8	15.6	16.7	15.2	13.9	13.4	12.1	12.1	11.9	10.5	11.3	14.3	15.6	15.8	17.7	19.5	20.6	20.9	22.3	21.0	17.7	16.3	15.8
14	12.5	9.4	9.2	12.0	13.1	12.5	10.4	10.7	12.8	11.4	15.2	11.7	10.0	11.1	12.5	17.5	20.5	20.2	18.9	19.2	19.8	18.7	17.1	16.0	14.3
15	15.6	14.3	15.0	15.4	14.7	10.3	11.8	12.3	11.0	10.0	9.6	7.3	8.6	11.0	10.1	15.9	20.7	21.3	22.2	21.6	18.9	17.1	16.8	15.3	14.5
16	12.9	12.3	10.8	14.1	18.0	12.3	13.0	14.0	13.2	12.2	11.3	10.7	9.8	9.9	10.2	15.0	19.0	22.5	24.5	23.2	21.1	18.9	16.7	15.6	15.1
17 Q	15.6	16.1	15.6	14.1	15.2	15.6	15.0	14.7	13.9	12.8	11.7	10.6	10.4	11.1	10.7	14.4	18.6	22.3	23.8	22.9	21.4	19.2	17.5	16.5	15.8
18 D	16.6	15.9	4.1	3.8	6.7	12.1	14.6	14.3	13.3	15.2	13.2	15.6	11.0	15.3	15.1	17.5	21.2	22.9	24.3	25.8	24.3	22.3	17.8	17.6	15.9
19	16.7	16.1	14.8	15.1	14.7	16.8	14.3	15.6	14.7	16.2	15.0	9.3	7.7	7.5	8.7	14.7	17.7	19.7	20.7	21.0	21.2	17.9	16.5	15.0	15.3
20	14.5	12.7	13.0	11.5	12.4	13.1	15.1	14.0	13.3	11.4	9.6	7.7	7.8	10.1	12.3	15.2	16.6	18.6	19.7	18.9	18.7	17.4	18.6	17.0	14.1
21 D	14.3	10.5	13.7	12.4	13.3	14.0	14.7	13.2	15.3	9.2	10.4	12.0	9.4	10.5	14.4	19.1	21.8	21.8	22.3	19.1	17.4	16.9	16.4	16.1	14.9
22	13.7	14.9	14.7	15.1	14.6	15.6	13.3	14.0	13.7	12.2	10.7	10.0	10.4	12.4	14.8	16.3	18.2	19.6	20.0	20.4	19.0	16.9	18.2	17.6	15.3
23	16.7	15.8	14.1	14.9	14.2	15.0	19.2	13.8	12.1	10.9	10.4	9.9	10.5	11.3	11.5	14.4	17.3	18.4	19.1	19.2	19.8	18.2	17.6	16.9	15.1
24	15.3	13.0	14.9	15.0	14.6	14.5	15.0	12.2	11.3	8.6	7.6	8.1	8.5	11.0	14.0	17.5	20.0	20.8	22.4	22.4	20.4	17.7	16.8	17.1	14.9
25 Q	16.2	16.7	15.9	18.1	15.1	12.7	13.7	16.6	13.1	11.7	10.6	9.6	9.9	11.1	13.3	17.0	19.6	21.2	22.3	21.3	19.5	18.2	16.7	16.1	15.7
26	15.5	12.8	14.8	15.1	13.9	13.8	13.0	12.9	10.9	11.1	9.3	8.3	9.7	9.7	11.8	17.2	19.1	21.3	21.1	20.0	18.6	16.7	15.7	15.7	14.5
27	15.8	14.9	14.1	14.2	14.0	14.1	12.1	11.4	13.0	10.5	8.7	7.6	7.7	9.6	12.1	16.4	18.7	19.3	18.5	17.0	17.3	15.9	15.4	15.2	13.9
28	15.2	15.2	15.3	15.3	15.0	14.4	13.9	13.3	13.1	11.2	13.1	10.5	8.6	10.0	12.4	16.6	20.4	20.9	20.1	18.3	18.8	18.2	17.4	15.6	15.1
29	13.9	13.2	13.0	12.7	14.5	13.9	13.1	14.4	8.2	6.6	5.7	5.0	6.6	9.2	12.0	15.7	19.5	21.3	22.0	20.5	19.4	16.8	15.1	15.1	13.7
30 Q	15.7	15.7	14.3	21.2	14.3	15.1	14.2	13.0	13.2	11.7	8.7	8.3	8.5	11.8	14.8	17.4	20.1	20.4	20.0	19.0	17.0	15.7	14.9	15.0	13.7
31	15.0	15.5	14.1	14.0	14.2	14.9	13.7	12.1	11.3	10.4	8.7	7.7	9.7	18.4	16.7	21.5	22.9	22.8	21.5	19.8	17.8	16.4	14.9	14.8	15.2
Mean	15.5	14.2	13.8	13.7	14.5	14.1	14.4	13.8	12.6	11.7	11.1	9.9	9.7	11.0	12.8	16.4	19.3	20.6	21.2	20.8	19.7	18.1	17.0	16.3	15.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 19. Agincourt. (Z.) 56,000 γ + May, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	226	222	222	222	218	218	221	223	220	220	220	221	214	214	212	210	211	215	221	223	223	222	222	222	219
2	222	223	232	231	181	185	214	224	224	221	223	221	218	214	216	215	211	212	215	217	218	221	223	223	217
3	228	232	228	220	200	205	204	206	215	218	220	216	216	211	212	212	212	214	215	216	217	219	222	221	216
4 D	219	217	219	218	217	212	211	210	212	215	213	216	212	212	209	209	212	208	199	205	220	234	258	241	217
5	232	223	223	222	218	217	205	196	205	215	220	215	215	214	215	208	195	196	202	206	218	221	221	221	213
6	222	226	222	209	208	209	208	203	212	215	216	216	212	210	211	210	212	209	209	212	216	220	220	218	213
7 Q	217	215	214	214	214	214	212	211	210	214	215	215	210	210	209	203	206	209	210	215	218	216	212	211	212
8	214	219	212	215	216	216	215	209	205	210	213	210	211	206	203	200	200	196	203	214	222	232	239	255	214
9 D	273	253	247	223	217	213	209	197	204	206	204	212	217	218	218	216	221	224	223	227	230	234	230	224	223
10	224	223	223	218	221	221	200	206	217	221	218	215	215	213	211	210	209	206	210	221	227	233	234	230	218
11 D	232	229	222	229	222	203	183	215	220	222	218	217	216	213	214	208	211	216	219	227	229	233	236	241	220
12	236	230	229	225	224	223	222	222	222	217	212	207	212	213	212	210	215	214	215	216	219	224	220	224	219
13	223	224	227	227	218	210	218	222	220	221	221	218	217	214	217	212	207	203	211	221	229	233	236	231	220
14	230	225	224	224	226	222	213	222	227	223	223	220	221	225	226	222	218	218	217	223	222	227	227	229	223
15	224	224	224	223	210	206	211	217	218	218	218	214	212	207	209	209	213	217	217	219	226	232	232	236	218
16	230	230	215	221	197	189	210	219	220	220	220	221	221	220	218	213	212	213	216	221	224	223	221	222	217
17 Q	219	218	218	218	215	216	217	217	217	217	218	217	217	210	206	210	212	211	212	218	224	227	220	218	216
18 D	217	217	201	173	193	210	217	218	216	210	207	201	201	204	200	195	199	210	224	233	246	239	242	252	214
19	249	239	230	218	203	200	213	220	219	219	221	222	220	215	212	213	209	204	209	216	221	224	233	242	220
20	246	245	239	224	213	205	207	204	210	217	220	218	216	215	210	198	194	194	198	210	220	230	230	233	217
21 D	233	233	230	227	223	222	223	219	210	206	216	219	218	210	207	204	207	206	210	216	219	222	227	231	218
22	229	227	224	221	217	221	219	221	222	224	221	217	217	218	213	210	210	216	223	224	224	229	230	236	222
23	239	232	227	222	221	222	206	190	203	216	219	221	218	217	211	210	204	200	205	213	220	224	224	223	216
24	221	217	218	217	215	209	200	195	190	194	206	211	211	210	204	197	199	200	210	216	221	223	224	221	210
25 Q	222	222	223	210	207	217	217	211	211	215	217	215	213	212	213	213	213	210	213	218	222	222	224	224	216
26	223	218	217	219	217	205	204	207	214	216	216	213	210	204	207	211	209	204	210	211	217	222	227	229	214
27	230	235	230	222	203	195	210	218	215	219	218	217	216	214	209	201	198	196	200	210	218	220	219	217	214
28	217	218	217	217	217	216	214	213	210	211	210	213	211	211	213	215	216	213	209	218	224	233	232	229	217
29	230	234	239	239	240	229	217	210	219	223	223	219	217	217	212	210	215	211	217	225	227	228	229	224	223
30 Q	222	219	221	219	219	219	219	219	219	219	217	217	217	217	217	217	219	217	217	218	220	223	222	221	219
31	219	218	217	214	206	209	212	217	216	218	217	215	209	206	201	196	204	206	210	216	226	231	225	224	214
Mean	228	226	224	219	213	211	211	212	214	216	217	216	215	213	211	209	209	209	212	217	223	226	228	228	217

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 20. Agincourt — May, 1954.

Day	Horizontal Force							Declination							Vertical Force						
	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	27	543	15	17	494	49	18	16	22.1	1	3	5.9	16.2	0	8	226	15	15	209	17
2	3	37	549	15	30	481	68	4	50	27.4	6	3	6.2	21.2	3	28	235	4	51	147	88
3	23	0	550	17	7	506	44	18	50	23.3	12	53	8.1	15.2	1	8	234	4	34	192	42
4 D	21	11	581	14	53	500	81	19	15	27.1	10	18	7.9	19.2	22	25	270	18	25	199	71
5	18	58	548	15	17	475	73	18	20	25.5	11	45	9.0	16.5	0	20	234	6	55	190	44
6	19	15	541	15	10	505	36	7	8	22.3	0	58	9.0	13.3	1	30	226	3	55	192	34
7 Q	22	50	547	15	15	501	46	17	48	21.3	13	23	8.9	12.5	20	18	220	15	53	202	18
8	20	8	568	15	26	498	70	16	50	24.5	12	20	7.7	16.8	23	59	265	8	6	193	72
9 D	20	8	543	13	55	490	53	7	30	22.6	2	5	3.1	19.5	0	21	283	4	5	188	95
10	19	6	568	14	18	509	59	20	25	21.1	8	24	9.9	11.2	22	10	239	7	1	191	48
11 D	21	47	552	5	14	494	58	6	24	27.0	1	37	-1.8	28.8	23	18	245	6	33	168	77
12	21	41	561	14	0	515	46	19	25	20.6	12	14	10.6	10.0	0	38	236	11	14	205	31
13	19	10	558	13	55	498	60	21	8	23.2	11	43	9.8	13.4	22	0	239	17	25	203	36
14	18	14	548	14	30	507	41	17	3	21.0	1	45	7.9	13.1	0	27	233	6	50	204	29
15	20	49	557	14	14	491	66	19	15	22.4	12	10	5.5	16.9	23	55	239	5	0	197	42
16	20	36	558	14	48	499	59	18	35	24.9	2	6	4.0	20.9	0	1	236	5	10	176	60
17 Q	21	0	564	15	10	499	65	18	32	24.5	12	38	10.1	14.4	21	41	229	14	30	204	25
18 D	2	38	571	16	3	504	67	19	28	27.8	3	6	-5.8	33.6	23	48	255	3	31	162	93
19	21	29	563	14	55	478	85	20	33	22.2	12	22	6.5	15.7	0	1	254	5	10	188	66
20	19	37	558	0	57	509	49	19	0	20.6	12	27	7.5	13.1	1	0	248	16	40	191	57
21 D	19	12	557	14	20	493	64	15	37	23.1	1	22	7.3	15.8	1	10	236	8	53	199	37
22	21	31	559	15	13	499	60	18	40	21.3	11	51	9.9	11.4	23	15	237	16	40	209	28
23	23	38	541	14	35	514	27	6	40	22.8	11	15	9.5	13.3	0	17	242	7	17	180	62
24	22	5	556	14	15	506	50	19	4	23.7	10	32	7.0	16.7	22	5	227	9	17	183	44
25 Q	3	50	564	14	17	511	53	18	0	22.8	12	41	9.3	13.5	22	45	225	4	0	185	40
26	22	2	559	14	30	518	41	17	27	22.5	11	42	7.7	14.8	23	48	230	6	1	197	33
27	19	35	560	15	20	510	50	17	32	19.8	11	40	6.7	13.1	0	56	234	5	0	188	46
28	19	4	561	15	9	510	51	16	48	22.4	12	16	8.5	13.9	21	25	233	8	35	206	27
29	19	57	559	15	26	498	61	18	31	22.5	11	52	4.6	17.9	4	22	244	7	1	205	39
30 Q	21	30	559	13	41	508	51	17	19	20.8	11	52	7.8	13.0	21	28	226	17	45	214	12
31	18	43	573	14	50	504	69	16	18	24.5	11	51	7.3	17.2	21	30	233	15	30	193	40
Mean			557			501	56			23.2			7.0	16.2			239			192	47
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, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	538	539	528	528	535	530	533	531	530	529	530	530	524	509	493	502	512	535	550	558	552	551	543	542	531
2	544	547	544	550	541	534	539	543	545	540	537	538	529	519	505	501	496	508	528	542	543	544	544	538	533
3	535	539	535	530	529	535	540	543	540	538	540	543	540	531	522	510	510	525	539	546	545	544	550	545	536
4	543	534	539	536	532	535	534	525	526	529	525	521	522	521	518	512	508	522	536	543	553	547	537	533	530
5 Q	533	534	534	535	534	537	535	534	534	532	534	535	534	529	525	526	535	539	544	545	549	547	544	549	537
6	544	537	539	535	537	532	532	531	531	534	534	531	529	521	516	511	521	535	546	562	557	549	546	546	536
7	537	542	537	542	541	542	539	538	535	537	540	539	532	520	516	522	533	538	550	554	545	545	532	537	537
8 Q	540	543	537	535	533	529	529	532	535	535	538	539	534	526	517	515	525	539	549	557	551	546	541	543	536
9	545	536	533	538	531	535	533	537	536	536	531	535	535	522	515	512	525	536	546	559	565	561	545	543	537
10 D	544	543	533	536	542	538	514	520	533	525	525	515	510	507	503	498	505	520	524	536	546	545	533	529	526
11 Q	526	531	529	528	530	529	530	527	533	528	522	527	519	517	507	508	516	527	534	536	542	541	539	538	528
12 D	537	539	540	535	537	536	536	536	536	537	541	543	536	533	519	510	516	537	556	543	522	532	538	540	535
13 D	540	538	538	535	530	531	530	528	525	530	527	528	527	525	515	522	530	533	533	545	543	545	541	545	533
14 D	543	538	534	532	542	547	539	540	541	539	542	530	528	537	525	519	516	520	527	530	539	546	541	544	535
15	544	539	541	537	535	541	535	532	532	530	532	532	526	516	509	510	521	536	543	549	553	539	534	538	533
16 Q	534	537	529	525	530	533	534	534	535	535	535	534	530	524	521	524	527	533	540	547	552	547	540	539	534
17	539	546	537	534	538	540	540	539	539	539	538	537	532	521	518	515	520	534	546	549	557	561	552	543	538
18	545	550	552	548	542	540	540	539	539	536	535	534	531	524	519	515	519	534	551	557	549	532	533	537	538
19	534	538	533	536	534	534	528	532	532	536	533	527	523	520	517	510	515	527	539	542	535	538	544	543	531
20	539	533	529	536	531	535	534	536	538	539	538	536	528	518	510	505	512	519	533	539	549	548	540	541	532
21	538	539	537	536	536	535	536	538	536	541	542	538	531	522	515	514	523	526	534	544	560	548	554	554	537
22	527	521	520	509	523	527	534	528	529	531	532	526	520	518	514	515	510	523	537	542	546	546	538	537	527
23	538	536	534	533	536	533	534	536	538	532	531	533	534	523	515	515	525	539	551	564	546	536	536	536	535
24 Q	532	534	533	523	531	531	534	533	536	537	536	531	523	518	516	522	528	531	539	544	553	556	551	543	534
25	540	541	541	541	541	540	541	541	541	540	543	540	523	526	535	531	526	526	531	547	551	548	548	541	538
26	539	541	540	541	543	543	541	539	538	534	532	536	536	532	523	513	515	523	534	546	560	551	551	547	537
27	536	538	536	536	536	533	532	531	532	528	532	531	522	520	523	518	529	544	551	553	556	551	563	546	537
28 D	541	534	515	519	531	534	518	520	518	526	527	529	520	513	506	501	506	520	536	546	539	536	532	529	525
29	526	528	529	529	529	532	534	528	529	531	533	533	530	520	508	499	508	522	531	539	546	548	543	538	529
30	535	538	538	538	538	541	538	531	529	531	529	527	529	524	514	508	509	518	524	538	552	554	556	540	533
31																									
Mean	538	538	535	533	535	535	534	533	534	534	534	532	528	522	515	513	518	529	539	547	548	546	543	541	534

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

Table 22. Agincourt. (D.) West. 7° + . . . ′ June, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	15.9	15.5	12.4	13.5	15.2	15.1	14.9	14.4	13.7	12.7	10.4	8.9	9.7	10.1	12.8	16.7	21.6	24.2	23.1	21.2	19.2	16.9	15.2	14.6	15.3
2	15.6	15.6	14.2	10.0	13.9	14.2	14.7	13.7	12.3	11.4	11.7	9.3	6.6	7.8	11.8	15.5	17.6	21.2	21.2	19.7	19.7	18.1	15.1	14.6	14.4
3	14.8	15.4	14.7	12.3	13.8	13.6	17.6	13.6	12.8	11.4	10.2	8.5	7.2	7.1	9.0	15.6	20.7	21.0	20.4	20.6	19.7	18.2	15.8	14.5	14.5
4	13.6	12.2	13.6	11.6	13.9	13.6	18.1	11.8	16.4	12.0	7.2	7.6	6.8	9.1	11.9	15.7	20.1	21.3	23.0	22.2	20.2	18.7	16.5	15.6	14.7
5 Q	15.6	15.5	15.0	14.9	14.8	14.7	14.5	13.9	12.9	12.7	11.1	10.0	9.8	10.2	11.8	13.3	16.8	20.3	21.7	21.6	19.9	18.2	16.3	15.2	15.0
6	15.8	17.2	15.0	14.8	13.6	14.5	12.7	12.8	12.1	10.9	9.1	6.6	6.5	7.5	9.3	14.5	17.6	19.4	20.0	19.6	19.0	17.2	15.5	14.8	14.0
7	14.5	13.9	15.0	13.9	15.0	14.1	13.2	14.0	13.1	12.1	10.3	8.5	6.8	6.8	10.2	14.1	15.9	18.2	19.1	18.4	18.5	17.5	16.6	15.9	14.0
8 Q	15.7	14.8	12.7	12.0	14.2	14.5	13.9	13.6	13.3	12.0	10.5	9.1	9.3	11.4	12.6	14.8	16.9	18.5	19.1	19.4	18.4	16.8	15.8	15.5	14.4
9	14.8	14.0	13.0	14.0	15.3	15.3	14.5	13.7	13.2	13.0	12.6	8.5	5.3	6.1	8.5	13.9	17.6	19.9	20.9	19.5	16.6	14.2	14.2	15.0	13.9
10 D	15.4	9.0	13.8	14.7	14.5	13.6	0.8	9.6	12.6	10.2	9.0	10.4	10.9	10.5	12.1	14.7	17.3	17.8	19.2	17.5	17.1	16.6	15.3	15.1	13.2
11 Q	15.1	14.6	15.7	16.1	16.4	15.7	15.1	15.3	14.6	14.0	14.2	12.0	9.7	11.5	14.4	16.3	18.4	20.6	21.5	20.3	17.7	16.4	15.8	15.1	15.7
12 D	15.2	15.8	15.2	15.3	15.2	15.2	15.0	14.3	13.7	12.4	10.1	7.5	7.8	10.5	11.5	15.5	18.3	20.6	18.9	20.9	21.0	17.6	16.4	15.1	15.0
13 D	15.9	13.7	12.2	14.2	13.3	14.6	15.1	13.2	12.0	15.0	11.3	8.3	8.2	9.9	13.3	16.4	19.7	20.7	24.9	22.4	21.4	19.7	17.6	17.4	14.4
14 D	16.4	15.6	15.0	14.6	11.9	8.8	11.3	12.7	11.3	12.4	10.0	10.6	17.5	13.7	11.5	15.2	19.2	21.0	21.8	21.4	18.9	17.3	16.1	15.2	15.0
15	15.7	16.3	15.7	15.2	14.0	15.7	15.6	14.7	13.6	11.5	9.9	8.5	8.6	10.4	13.9	17.9	20.1	20.9	20.3	18.5	16.7	16.7	15.8	15.0	15.0
16 Q	15.6	14.5	12.5	10.7	13.7	15.3	15.1	14.4	13.7	16.0	11.8	7.9	7.5	7.7	9.4	13.4	17.5	20.6	21.8	19.9	19.0	17.5	15.7	14.9	14.4
17	13.3	12.2	14.0	13.7	14.8	14.0	14.1	13.8	13.2	12.2	9.9	7.6	6.7	6.8	8.3	13.9	20.3	23.1	23.0	22.4	20.6	19.0	18.2	15.9	14.6
18	16.5	15.6	14.9	14.7	14.6	14.5	13.9	13.0	13.3	12.3	10.4	8.5	7.3	9.1	11.9	15.5	19.0	20.9	20.8	21.7	23.7	23.6	19.9	16.6	15.5
19	15.5	15.3	15.5	15.2	14.2	12.3	12.7	14.0	14.0	12.5	10.5	8.7	8.2	7.3	7.9	11.4	16.7	20.0	20.1	20.9	22.2	20.9	18.6	17.6	14.7
20	16.4	14.3	10.4	13.7	11.9	13.7	14.0	14.9	14.5	14.6	11.3	8.7	7.8	8.7	11.4	13.7	18.4	22.8	24.8	23.9	22.1	19.6	16.7	16.2	15.2
21	15.9	15.7	15.6	15.5	15.4	14.9	14.6	14.9	14.0	11.8	10.0	8.3	6.9	8.2	10.0	14.4	16.9	19.1	20.3	20.4	20.8	20.4	18.5	18.4	15.0
22	16.9	14.1	10.2	9.9	10.5	12.7	17.3	15.7	14.6	13.1	10.7	9.4	8.4	9.3	10.3	13.4	17.6	20.0	20.6	21.3	20.7	19.1	19.2	17.7	14.7
23	16.9	16.3	11.3	14.7	15.7	15.1	14.3	14.1	13.7	12.3	10.9	10.0	8.9	9.3	11.2	14.1	17.6	19.8	20.5	19.8	22.3	20.6	18.5	16.7	15.2
24 Q	16.3	15.8	13.7	12.3	11.9	14.0	14.0	13.2	13.4	12.3	10.8	9.9	9.3	10.4	12.7	15.5	18.3	19.5	19.0	18.7	18.7	16.7	15.5	15.7	14.5
25	16.2	16.0	15.5	14.9	14.6	13.6	14.0	13.7	13.6	12.1	10.9	10.3	11.4	15.0	11.8	14.3	17.3	20.5	22.4	22.0	20.6	18.6	17.4	16.0	15.5
26	15.8	15.7	15.5	15.2	14.3	14.0	13.6	13.6	12.7	12.5	12.4	11.3	9.3	9.5	11.3	14.8	17.6	17.6	19.6	20.1	18.3	17.7	16.4	15.8	14.8
27	15.7	15.7	15.7	15.5	13.8	12.9	14.6	14.8	14.0	12.6	11.3	9.5	10.5	10.9	11.0	15.6	20.3	23.4	22.0	19.7	16.7	17.0	15.1	14.9	15.1
28 D	15.1	13.0	10.4	10.7	13.3	14.3	12.8	12.5	10.9	15.2	14.7	8.2	7.9	9.4	12.2	17.1	22.2	22.9	23.3	20.4	19.5	16.7	14.6	14.4	14.7
29	14.7	15.6	15.1	15.7	17.0	15.7	12.8	15.5	14.7	13.3	10.6	7.6	6.4	7.8	11.0	14.3	19.3	21.5	22.8	22.5	19.8	16.9	14.5	13.1	14.9
30	13.8	15.2	15.5	15.8	15.0	14.9	13.4	14.6	15.2	13.9	8.8	6.4	4.2	6.2	8.3	10.6	16.7	20.0	21.8	21.3	19.1	17.8	16.0	13.6	14.1
31																									
Mean	15.5	14.8	14.0	13.9	14.2	14.2	13.9	13.8	13.4	12.7	10.8	8.9	8.4	9.3	11.1	14.7	18.5	20.6	21.3	20.6	19.6	18.1	16.4	15.5	14.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 23. Agincourt. (Z.) 56,000 γ + June, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	219	219	223	222	218	218	217	217	217	219	218	217	214	207	204	204	210	211	218	220	223	221	219	220	216
2	217	216	217	207	194	212	214	216	216	214	211	206	206	209	203	199	200	195	206	213	217	220	222	223	210
3	221	218	218	215	215	213	206	205	211	216	215	217	217	209	205	200	200	197	201	206	212	215	218	219	211
4	219	222	217	213	216	211	186	180	171	183	206	213	213	210	210	207	206	204	211	219	224	224	224	224	209
5 Q	223	220	222	221	221	221	219	219	219	220	220	219	217	211	204	196	200	203	212	216	213	213	219	222	215
6	222	222	219	217	213	211	211	216	217	218	218	216	213	210	210	209	206	212	213	215	216	221	223	222	215
7	221	219	220	213	211	207	213	214	216	218	217	215	212	207	206	204	203	205	209	217	221	225	221	221	214
8 Q	221	221	220	215	216	218	218	221	221	221	223	223	216	210	207	207	207	207	212	214	217	216	218	219	216
9	218	219	217	211	217	218	217	217	218	219	215	212	210	201	199	204	209	212	218	217	216	221	225	224	215
10 D	223	212	210	223	222	206	163	197	218	220	224	218	217	213	213	212	219	224	229	230	230	233	230	229	217
11 Q	227	221	222	222	222	222	222	222	220	219	218	216	214	213	213	211	206	210	213	215	217	222	222	222	217
12 D	220	220	219	218	216	216	218	219	219	219	220	217	217	212	206	201	204	206	217	219	226	230	230	230	217
13 D	223	219	207	204	206	213	218	218	220	218	216	215	214	213	207	204	206	207	212	222	223	224	224	224	215
14 D	223	222	222	221	213	195	211	217	214	216	212	211	206	210	206	200	203	210	215	219	224	227	225	224	214
15	221	218	218	219	216	212	210	210	215	219	222	223	221	222	222	218	216	215	216	215	224	222	224	224	219
16 Q	224	221	218	218	218	218	218	217	217	216	215	219	218	217	218	218	218	218	211	213	219	221	218	222	217
17	222	217	216	219	218	217	217	217	217	218	219	220	216	216	212	212	211	206	200	207	213	219	221	222	216
18	218	218	217	215	216	217	216	215	216	219	222	224	219	218	216	215	214	210	205	212	214	223	224	224	217
19	221	218	217	217	216	212	215	215	217	220	219	218	215	215	213	215	212	206	203	210	211	215	221	224	215
20	223	228	225	222	222	218	215	214	216	221	218	218	221	220	218	219	224	217	211	211	218	222	223	227	220
21	223	220	217	217	217	217	215	216	213	218	221	222	212	210	209	206	211	206	204	206	211	216	224	230	215
22	243	242	224	219	218	218	210	216	219	223	221	218	217	219	218	216	217	219	212	207	212	223	229	233	220
23	229	227	223	219	221	219	220	221	219	218	219	220	218	219	218	212	210	206	210	217	217	219	221	220	218
24 Q	221	220	222	224	214	218	221	221	221	221	219	217	214	212	216	211	211	212	211	215	219	216	215	220	217
25	220	218	217	217	217	214	216	217	217	218	219	221	218	212	209	206	210	212	214	215	217	222	227	222	216
26	218	217	217	217	216	213	212	214	216	217	215	214	214	211	209	206	204	201	205	212	217	217	220	223	214
27	218	217	217	216	213	212	214	216	217	219	218	213	213	210	214	214	211	209	203	206	215	216	218	224	214
28 D	229	231	227	200	210	211	180	184	200	217	218	219	217	217	218	216	217	213	212	222	227	230	229	227	216
29	222	219	220	219	219	211	197	216	220	224	223	221	220	222	222	218	211	211	218	223	221	226	224	225	219
30	224	219	221	217	216	210	211	216	213	210	217	212	213	210	205	209	215	215	209	216	222	224	230	245	217
31																									
Mean	222	221	219	216	216	214	211	213	215	217	217	217	215	213	211	209	210	209	211	215	219	221	223	224	216

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 24. Agincourt — June, 1954.

Day	Horizontal Force						Declination							Vertical Force						
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	7° Maximum West +			7° Minimum West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	19	39	557	14	32	485	72	17	4	24.4	13	38	7.9	16.5	2	41	227	14	9	201	26
2	3	58	559	16	51	490	69	17	56	21.9	12	45	6.5	15.4	23	18	224	4	20	188	36
3	22	28	552	15	27	505	47	16	41	22.4	13	57	6.5	15.9	23	55	221	17	21	191	30
4	20	46	554	15	50	501	53	18	43	23.7	12	41	6.4	17.3	20	40	225	8	32	162	63
5 Q	22	54	554	15	55	516	38	19	38	22.0	13	23	8.8	13.2	23	50	223	15	56	192	31
6	19	18	568	15	21	508	60	18	40	20.5	12	15	6.0	14.5	22	57	224	16	49	204	20
7	18	17	562	14	26	506	56	18	35	20.2	12	23	5.1	15.1	21	25	227	17	3	200	27
8 Q	19	59	561	14	17	511	50	19	17	20.0	11	57	8.6	11.4	11	20	223	14	30	203	20
9	21	7	568	15	47	505	63	18	43	21.3	12	59	4.8	16.5	22	31	226	14	10	197	29
10 D	2	5	556	6	53	492	64	18	19	20.0	6	28	-12.8	32.8	1	32	234	6	43	129	105
11 Q	22	6	546	14	25	505	41	18	52	22.2	12	21	9.5	12.7	0	20	229	15	52	203	26
12 D	18	36	567	15	20	507	60	17	49	23.0	11	57	6.4	16.6	21	18	233	14	55	200	33
13 D	19	18	573	14	39	510	63	18	27	26.1	12	5	7.2	18.9	22	47	229	4	0	195	34
14 D	5	7	559	12	17	504	55	18	55	23.3	5	10	8.6	14.7	21	45	228	5	22	187	41
15	20	30	560	14	45	506	54	17	31	21.4	11	57	8.2	13.2	22	48	227	6	0	204	23
16 Q	21	39	557	14	55	518	39	18	20	22.0	12	42	7.3	14.7	0	50	224	18	58	209	15
17	21	40	570	15	32	513	57	17	42	24.0	13	9	5.9	18.1	22	45	224	18	20	200	24
18	20	10	565	15	37	513	52	21	32	25.2	12	45	6.8	18.4	22	35	225	18	36	200	25
19	23	14	557	16	0	506	51	20	35	23.6	13	11	7.0	16.6	23	12	227	18	15	201	26
20	21	19	551	15	20	504	47	18	20	24.8	12	48	6.9	17.9	2	0	229	19	3	209	20
21	23	25	573	15	10	511	62	21	26	21.8	12	30	6.6	15.2	23	59	239	19	10	200	39
22	20	50	551	3	11	500	51	20	0	22.3	2	23	5.4	16.9	0	33	244	19	48	205	39
23	19	8	585	14	57	511	74	20	15	22.8	13	13	8.6	14.2	0	1	230	17	56	206	24
24 Q	22	42	562	14	27	514	48	18	2	20.4	12	25	9.2	11.2	3	30	223	15	47	209	14
25	22	30	558	12	45	512	46	17	56	22.9	12	17	9.1	13.8	22	29	227	15	3	204	23
26	20	50	572	15	35	508	64	19	20	21.2	12	56	8.6	12.6	23	35	224	17	2	199	25
27	22	20	576	15	47	514	62	17	27	24.2	11	18	8.7	15.5	23	32	229	19	2	201	28
28 D	0	33	557	16	13	498	59	18	5	25.1	11	55	7.4	17.7	1	58	233	6	27	171	62
29	21	40	554	15	9	495	59	19	10	23.4	12	48	5.8	17.6	23	45	227	6	23	186	41
30	22	30	572	16	15	504	68	19	10	22.3	12	25	3.9	18.4	23	44	250	14	25	203	47
31																					
Mean			562			506	56			22.6			6.5	16.1			228			195	33
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 25. Agincourt. (H.) 15.000 γ + July, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	523	531	516	528	527	518	508	518	527	518	521	518	513	499	497	508	518	534	544	551	551	541	533	531	524
2 Q	528	531	531	529	531	529	527	526	525	523	523	522	518	511	505	508	514	525	541	554	551	541	537	535	528
3 Q	536	536	536	541	536	533	534	534	536	537	538	533	526	517	512	506	514	528	544	553	557	562	557	545	535
4 Q	541	537	534	536	536	535	534	533	535	536	536	526	518	514	515	515	526	543	549	551	548	548	543	537	534
5	535	534	533	529	530	529	534	533	538	537	536	533	535	531	531	531	541	549	554	552	556	543	541	541	538
6	539	534	533	527	526	523	520	541	518	515	514	521	527	521	510	511	523	538	541	533	536	536	530	535	527
7	526	523	520	523	528	528	528	534	528	523	528	533	527	516	506	497	504	514	519	529	531	531	526	530	523
8	531	534	532	528	530	528	528	531	528	534	533	526	527	520	516	514	523	534	538	534	534	539	539	531	530
9 Q	534	538	544	531	528	531	532	534	531	530	532	529	524	513	507	504	504	518	534	543	545	544	540	539	529
10 Q	539	539	541	538	533	531	532	530	534	528	531	530	523	515	509	510	522	534	542	542	539	539	544	544	532
11	536	539	539	539	541	543	531	531	535	536	538	535	532	527	515	507	520	539	555	559	564	557	548	542	538
12	534	531	538	534	536	541	546	545	544	539	539	536	531	521	506	500	536	564	572	569	566	563	551	530	540
13	518	529	531	535	536	541	531	532	531	533	533	531	529	524	525	528	523	535	539	541	544	536	543	545	533
14 D	528	530	526	518	520	532	528	529	539	539	528	537	532	525	515	510	514	531	546	546	543	544	536	528	530
15	528	536	534	536	536	534	520	538	538	526	529	528	528	515	503	501	516	526	536	544	550	546	539	536	530
16	529	531	528	532	531	531	534	536	533	531	536	531	523	518	510	493	492	505	523	550	534	544	531	539	527
17	529	526	534	526	507	511	515	531	522	520	527	524	518	506	500	497	505	518	531	538	544	554	555	546	524
18	540	534	525	514	520	531	531	526	533	531	532	530	524	518	517	512	508	513	520	533	543	548	543	531	527
19	530	526	528	531	536	539	537	537	534	532	533	522	521	518	509	514	530	548	550	531	548	529	540	544	532
20	538	523	525	531	535	548	539	529	528	529	533	529	523	510	510	518	523	534	540	541	538	538	533	531	530
21	536	538	538	531	533	546	533	538	537	536	538	536	533	522	512	512	523	534	543	558	554	551	548	539	536
22	529	537	533	531	534	533	532	536	534	536	533	531	526	518	509	504	517	534	542	543	546	539	540	540	532
23	537	536	535	535	538	538	540	536	534	537	533	524	536	535	523	509	508	516	526	532	535	540	542	540	532
24	537	527	523	532	533	538	520	513	527	531	533	527	521	516	514	511	511	522	527	532	535	538	537	538	527
25 D	535	543	533	527	535	521	522	517	511	521	529	521	526	526	517	514	522	538	547	548	546	542	535	531	529
26	527	525	528	526	529	529	529	530	533	534	532	522	519	525	514	517	521	528	529	536	540	545	542	539	529
27 D	542	536	518	517	515	528	530	531	529	529	529	522	507	494	488	495	506	514	533	540	550	543	551	534	524
28 D	521	530	536	537	531	506	522	528	523	531	514	519	530	530	513	495	495	502	521	529	537	539	539	529	523
29	530	524	532	527	532	528	536	542	532	527	528	522	526	517	514	516	521	533	543	539	542	546	541	538	531
30	537	522	523	531	533	536	535	533	532	527	528	528	527	518	502	501	512	516	527	541	552	552	551	542	529
31	529	522	521	527	528	532	533	542	533	522	524	526	516	497	500	499	506	516	526	536	546	542	538	539	525
Mean	532	532	530	530	530	531	530	532	531	530	530	528	525	517	510	508	516	528	538	543	545	544	541	537	530

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26. Agincourt. (D.) West. 7° + . . . ′ July, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	11.8	11.5	9.9	12.4	14.0	9.1	13.0	14.1	14.6	11.5	9.4	7.3	8.4	10.6	12.7	17.5	21.8	22.1	21.1	20.1	18.7	17.3	16.0	15.7	14.2
2 Q	16.0	15.7	14.9	13.9	14.2	15.5	15.9	17.4	15.7	14.0	11.5	10.3	9.3	10.3	12.8	17.5	20.8	22.8	21.8	21.4	20.4	18.0	16.2	15.5	15.9
3 Q	15.5	15.9	15.9	15.7	15.0	13.8	14.0	13.8	12.7	11.0	9.0	7.2	7.4	8.6	11.5	16.4	19.3	19.6	19.5	20.4	20.2	18.4	17.1	15.6	14.7
4 Q	14.7	14.6	15.7	15.7	15.6	15.1	14.3	14.9	14.5	13.3	12.1	10.1	7.8	8.2	10.4	15.8	19.5	19.8	19.5	18.9	18.2	17.8	17.7	16.6	15.0
5	15.8	15.7	15.8	15.1	13.4	13.6	14.7	14.8	14.0	12.3	10.1	8.4	7.8	9.0	11.3	15.0	18.7	20.6	18.0	19.7	18.9	19.2	17.7	15.9	14.8
6	15.1	14.1	13.8	12.7	10.6	8.6	12.4	15.5	9.6	5.9	7.3	8.2	8.7	10.5	9.6	12.7	17.4	17.7	18.9	19.8	20.5	19.1	17.9	15.8	13.4
7	15.2	11.2	14.5	14.0	15.1	15.8	15.5	14.9	14.9	16.4	17.3	13.9	10.8	9.9	9.6	11.6	14.7	16.0	17.3	17.7	18.5	18.6	17.4	15.9	14.9
8	15.8	15.6	15.1	14.7	14.8	15.1	15.6	14.9	14.5	13.3	14.0	15.3	12.1	10.4	11.9	14.3	18.3	18.7	19.4	21.2	20.1	18.3	16.7	15.6	15.7
9 Q	15.1	15.6	12.9	15.6	14.5	14.9	15.5	14.8	14.3	13.1	11.2	10.0	10.0	9.4	9.6	12.9	16.2	19.4	21.0	21.3	20.3	19.8	18.0	17.3	15.1
10 Q	16.7	16.3	15.7	14.9	11.9	14.9	15.7	15.4	18.2	14.2	11.1	9.1	8.4	8.2	10.4	14.3	18.1	19.8	20.8	21.5	18.5	17.1	16.7	15.7	15.1
11	15.2	14.1	15.7	15.7	15.0	13.2	12.4	14.7	14.8	11.5	9.4	7.9	8.4	9.4	10.9	14.7	18.7	20.0	20.6	18.6	16.7	16.0	16.4	16.0	14.4
12	15.4	16.0	17.1	15.7	13.2	14.6	13.3	12.9	11.6	10.6	8.4	6.7	6.8	8.2	9.6	14.2	20.2	22.0	23.8	21.8	17.8	15.6	14.7	12.1	14.3
13	14.9	15.9	15.5	14.7	14.5	13.3	13.7	15.1	15.2	16.7	11.4	8.7	8.7	10.6	11.0	13.7	16.9	19.2	20.8	20.7	18.7	17.5	15.7	13.7	14.9
14 D	15.2	14.8	13.9	4.3	18.3	15.7	8.7	11.7	12.1	13.0	16.8	11.6	9.2	9.3	9.6	15.7	19.7	20.9	20.3	21.1	19.9	17.5	17.0	16.8	14.7
15	16.7	17.3	15.3	14.2	12.9	13.8	15.1	24.7	12.8	14.1	13.9	18.7	10.2	9.8	16.7	20.5	19.9	20.4	20.9	20.0	18.7	17.1	15.8	14.4	16.4
16	15.8	15.9	15.1	15.8	15.6	15.4	15.9	16.5	15.8	14.0	11.9	7.8	8.4	10.4	11.3	14.1	18.8	21.7	21.4	20.4	25.0	21.7	17.9	16.6	15.9
17	16.5	15.9	15.1	7.6	8.3	13.8	21.9	15.6	11.3	11.0	10.7	9.3	8.3	8.8	10.8	14.8	18.6	21.9	22.0	21.3	20.4	18.8	17.5	16.6	14.9
18	10.4	15.9	15.0	10.4	13.9	15.6	15.8	15.3	13.8	12.2	11.0	9.5	8.4	7.4	9.5	12.6	15.4	19.8	22.0	22.0	20.5	19.2	17.5	15.7	14.5
19	12.6	13.8	16.5	15.2	15.6	14.9	14.2	15.0	13.9	12.3	11.0	10.1	10.7	9.8	12.0	13.8	15.0	15.6	15.3	19.9	19.3	18.2	15.9	15.6	14.4
20	15.0	15.3	14.7	14.9	13.0	17.6	9.7	11.9	15.9	17.9	14.4	11.6	10.7	11.0	13.2	17.6	18.7	20.8	18.9	18.0	17.4	16.6	16.1	15.9	15.3
21	15.9	15.6	15.8	15.2	15.6	14.9	14.9	16.8	13.9	13.0	11.6	10.4	10.4	10.7	12.9	15.8	18.7	17.8	20.5	20.4	19.8	17.8	16.7	15.6	15.4
22	16.8	16.3	16.0	15.0	14.6	13.8	15.0	17.5	15.6	13.8	11.6	11.9	11.2	10.3	11.8	16.1	19.1	20.2	19.4	18.7	18.3	18.4	17.4	17.1	15.7
23	16.9	16.4	16.3	13.9	14.2	14.2	14.3	13.5	13.6	12.2	10.0	12.3	9.4	9.7	12.6	17.0	20.7	21.7	21.2	20.5	19.0	17.2	16.1	15.4	15.4
24	11.6	10.6	15.6	15.4	12.6	7.8	10.7	10.6	13.9	13.3	8.9	6.6	7.1	8.7	10.7	15.2	17.5	18.9	19.8	19.4	17.8	16.3	16.7	16.8	13.4
25 D	16.6	16.0	14.5	14.8	13.1	11.2	13.3	20.0	5.8	10.6	13.0	16.8	12.1	14.7	17.1	21.7	20.9	20.5	19.9	19.2	18.3	16.8	16.0	15.0	15.8
26	16.3	17.1	16.9	14.1	14.6	16.6	16.3	15.3	16.7	14.8	13.6	10.8	16.7	11.6	14.0	15.7	19.1	19.9	20.5	20.9	19.8	17.6	16.9	17.0	16.4
27 D	16.7	15.5	7.3	10.7	15.3	16.7	16.9	16.5	13.6	13.3	11.7	9.1	10.8	13.2	13.5	15.4	19.1	20.8	20.9	20.3	19.0	17.8	12.6	13.9	15.0
28 D	16.0	16.7	16.4	13.5	2.5	14.0	16.4	16.9	13.5	11.2	19.8	13.9	11.8	9.7	9.1	17.1	20.6	20.9	20.8	19.0	17.6	15.2	12.8	13.0	14.9
29	14.0	8.1	11.8	12.8	15.2	17.1	15.9	15.4	15.1	16.1	15.8	16.3	12.8	12.6	14.5	18.4	20.6	22.1	20.8	21.0	18.8	17.1	15.9	15.1	16.0
30	13.7	11.8	15.0	15.3	15.3	14.9	14.9	14.7	14.4	13.7	11.0	9.0	7.6	8.8	11.7	16.3	19.8	22.2	24.1	21.8	18.9	17.2	15.2	14.1	15.1
31	14.6	15.3	14.9	14.9	13.9	14.9	15.9	18.9	18.1	12.9	11.7	9.6	7.1	10.0	13.5	16.8	20.9	23.5	23.0	20.9	19.2	17.5	13.5	12.5	15.6
Mean	15.1	14.9	14.8	13.8	13.7	14.2	14.6	15.5	14.0	13.0	11.9	10.6	9.6	10.0	11.8	15.7	18.8	20.2	20.5	20.3	19.2	17.8	16.3	15.4	15.1

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 27. Agincourt. (Z.) 56,000 γ + July, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	241	234	230	222	200	157	176	197	212	219	221	219	218	215	218	222	222	216	212	218	219	217	218	222	214
2 Q	222	221	220	218	216	216	215	217	218	221	223	223	220	221	227	227	219	212	211	218	224	227	227	227	220
3 Q	224	223	222	221	218	216	212	217	221	222	223	219	219	219	219	217	217	217	222	227	224	224	221	221	220
4 Q	220	218	217	216	218	219	217	217	217	218	217	215	213	211	213	209	201	198	205	215	216	214	216	218	214
5	218	218	217	218	214	210	213	213	216	216	218	215	217	213	207	214	211	205	207	211	219	224	224	223	215
6	222	223	223	219	212	204	194	156	164	183	210	210	207	200	200	207	212	214	218	220	224	227	230	232	209
7	233	233	227	224	223	220	216	213	218	210	190	190	201	206	207	204	195	191	198	209	214	216	223	222	212
8	219	219	218	219	218	218	218	218	218	219	219	212	213	215	213	214	219	218	219	223	224	224	223	223	218
9 Q	224	221	213	215	218	218	216	216	216	218	218	219	215	207	214	215	211	212	216	221	221	224	224	224	217
10 Q	217	217	217	217	214	216	217	216	206	212	219	217	215	210	211	209	211	215	217	215	218	224	227	224	216
11	224	221	217	217	215	203	204	210	212	215	218	214	213	214	217	216	212	207	206	206	210	216	219	218	213
12	219	219	218	219	216	215	211	212	211	215	214	214	216	217	218	217	217	210	207	212	212	215	221	233	216
13	229	221	218	216	215	209	211	213	216	216	216	216	215	211	210	210	203	203	206	207	212	216	217	224	214
14 D	221	219	219	199	171	156	181	210	213	209	201	195	203	209	210	206	205	204	200	201	210	220	222	221	204
15	218	219	217	213	204	198	176	133	176	206	194	174	193	206	215	212	206	207	220	225	227	227	223	222	205
16	216	216	217	216	216	214	213	204	206	210	216	211	211	214	219	216	211	212	213	224	230	241	236	229	217
17	222	218	222	215	206	215	185	183	204	217	221	219	217	218	219	217	218	215	216	222	224	224	222	225	215
18	233	229	224	217	223	224	217	217	216	218	217	216	213	212	215	214	210	212	212	217	219	219	223	224	218
19	224	222	221	218	216	213	210	204	206	212	216	221	216	218	217	209	198	200	204	200	210	215	218	223	213
20	223	221	221	217	207	183	180	193	204	211	211	213	211	210	212	210	204	206	205	212	210	217	219	218	209
21	216	212	215	211	210	206	209	204	210	213	213	213	212	215	215	210	206	206	211	215	218	223	224	222	213
22	216	215	215	215	212	210	207	200	200	206	215	213	213	215	215	205	206	211	211	211	217	217	217	213	211
23	210	210	211	207	206	205	206	204	206	207	210	206	199	198	202	209	210	211	205	210	212	216	216	216	208
24	215	208	212	210	207	189	180	187	194	199	207	204	199	194	199	205	204	209	211	216	217	214	215	214	205
25 D	213	213	214	213	204	190	179	150	170	199	202	178	169	176	188	190	192	200	205	209	209	211	211	217	196
26	219	219	216	210	204	205	204	204	205	205	205	199	184	191	199	204	204	202	208	212	214	222	222	214	207
27 D	210	211	210	199	210	209	205	201	206	208	208	205	204	205	206	204	205	209	220	223	227	227	232	231	211
28 D	227	219	216	209	168	187	184	202	211	212	192	163	173	185	192	198	201	211	217	222	222	226	230	228	204
29	223	210	193	201	205	187	181	186	194	195	197	194	196	196	203	204	205	204	208	211	211	211	212	214	202
30	217	220	217	213	211	210	210	210	210	209	209	208	206	205	210	207	207	211	207	205	211	212	216	213	211
31	213	217	217	206	193	204	205	187	169	191	208	211	210	206	208	214	215	214	214	217	218	217	217	216	208
Mean	221	219	217	214	209	204	202	200	205	210	211	207	207	208	210	210	208	208	211	215	217	220	221	222	211

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 28. Agincourt — July, 1954.

Day	Horizontal Force							Declination							Vertical Force						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	20	26	557	6	5	485	72	16	50	23.6	6	8	4.2	19.4	0	1	247	5	58	127	120
2 Q	19	51	559	15	0	503	56	18	1	23.1	12	50	7.6	15.5	15	5	230	19	5	210	20
3 Q	21	38	564	15	35	505	59	19	6	20.7	11	42	6.9	13.8	19	50	226	6	45	209	17
4 Q	19	18	553	12	52	512	41	18	0	20.4	12	53	6.8	13.6	0	10	222	17	10	197	25
5	18	1	562	4	30	526	36	17	20	22.3	12	22	7.8	14.5	21	55	224	17	27	203	21
6	23	21	554	14	55	503	51	7	6	22.7	9	40	3.6	19.1	23	19	234	7	42	138	96
7	11	50	536	16	10	495	41	10	7	20.5	14	18	8.6	11.9	1	13	234	11	3	180	54
8	21	10	541	15	15	510	31	19	17	22.1	13	55	9.6	12.5	21	0	227	11	57	209	18
9 Q	2	20	551	16	20	500	51	19	14	21.8	14	5	9.1	12.7	22	28	225	2	30	206	19
10 Q	19	55	550	14	55	507	43	19	2	22.2	13	18	7.8	14.4	22	10	227	8	40	199	28
11	20	25	564	15	12	504	60	18	10	21.1	11	48	7.3	13.8	0	6	223	5	40	193	30
12	18	8	576	15	12	491	85	18	19	24.3	12	15	6.1	18.2	23	30	236	18	12	204	32
13	23	8	556	0	13	510	46	19	0	21.8	12	19	7.9	13.9	0	1	230	17	20	199	31
14 D	19	3	556	15	35	500	56	4	46	24.2	3	35	-2.4	26.6	22	41	223	5	17	133	90
15	7	6	559	14	30	495	64	7	19	31.1	12	42	7.7	23.4	21	40	227	7	25	115	112
16	20	0	562	16	8	480	82	20	33	26.9	12	7	6.7	20.2	21	21	241	8	10	198	43
17	23	16	574	4	57	492	82	6	38	27.8	3	0	2.6	25.2	23	14	230	6	58	153	77
18	0	4	563	3	28	503	60	18	34	23.1	3	7	1.7	21.4	0	2	239	16	37	206	33
19	18	32	566	15	57	503	63	19	30	21.3	11	2	9.3	12.0	0	25	225	16	55	188	37
20	5	30	560	13	48	502	58	17	23	21.6	6	18	6.6	15.0	0	8	224	5	55	165	59
21	19	52	564	15	15	503	61	18	38	21.9	13	15	10.1	11.8	22	20	227	7	8	201	26
22	20	32	552	14	40	500	52	7	18	20.7	13	42	9.2	11.5	20	33	222	8	55	193	29
23	22	52	550	16	15	499	51	17	46	22.5	12	55	8.7	13.8	21	40	219	12	30	193	26
24	21	17	545	16	22	506	39	19	11	20.3	5	43	3.7	16.6	20	12	222	6	8	169	53
25 D	19	22	555	8	49	499	56	7	10	25.5	8	36	2.0	23.5	23	50	221	7	19	128	93
26	21	55	552	12	10	508	44	19	10	21.7	11	48	9.7	12.0	22	15	226	12	35	180	46
27 D	20	52	560	14	21	481	79	17	59	22.9	2	37	1.6	21.3	22	6	237	3	20	193	44
28 D	4	7	557	17	17	489	68	10	48	29.8	5	34	-1.3	31.1	22	45	234	11	10	151	83
29	7	27	547	13	48	506	41	17	44	22.3	2	47	4.1	18.2	0	32	228	5	55	170	58
30	22	18	560	14	32	492	68	18	18	24.8	12	31	6.7	18.1	1	19	225	12	25	203	22
31	7	38	556	13	35	491	65	7	56	24.3	12	37	6.0	18.3	20	55	226	6	1	163	63
Mean			557			500	57			23.2			6.0	17.2			228			180	48
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, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	528	528	538	533	529	534	536	533	518	532	531	512	518	503	503	500	516	532	542	547	546	546	541	528
2	536	535	528	531	515	517	527	531	525	527	524	523	522	513	497	490	499	516	527	533	542	538	538	535	524
3 Q	531	528	531	534	534	535	537	536	536	538	529	532	527	517	508	506	506	519	538	558	554	538	542	545	532
4 Q	542	546	538	542	543	542	544	548	533	533	531	530	521	508	504	510	523	535	541	552	554	547	543	537	535
5 Q	537	532	528	528	528	529	532	537	532	528	528	527	522	516	507	508	517	527	541	547	547	554	545	533	530
6 D	529	520	517	509	513	528	534	528	528	523	528	523	509	515	517	505	494	502	522	546	548	543	527	533	522
7	521	518	525	527	528	527	527	528	532	528	529	532	514	507	499	509	522	520	533	536	538	531	536	537	525
8 Q	525	528	538	527	527	531	533	529	533	533	529	531	533	530	521	514	521	531	537	543	543	540	534	533	531
9	537	535	527	522	528	527	527	537	537	533	532	528	527	518	503	524	532	536	538	537	532	532	538	527	530
10	526	537	537	534	528	533	528	528	527	523	527	526	521	516	514	509	512	529	542	551	551	548	541	538	530
11	533	528	533	517	521	527	530	535	532	526	528	525	522	519	511	510	512	524	534	533	537	533	533	533	527
12	528	521	523	523	527	527	527	533	532	521	527	530	527	521	517	515	521	528	539	540	542	537	537	527	528
13 Q	533	535	535	533	533	532	529	527	522	528	533	534	525	513	506	501	513	536	547	555	555	547	544	541	532
14	524	508	528	532	529	529	528	532	533	530	527	527	521	508	498	497	515	531	540	541	551	552	542	532	527
15	528	533	532	531	533	534	532	528	527	527	530	532	525	512	503	501	512	530	548	540	544	550	557	538	530
16	538	538	544	550	546	546	545	542	536	533	528	525	542	517	513	507	504	517	533	545	548	540	542	530	534
17	535	537	537	533	531	535	529	535	532	533	530	532	527	516	501	492	500	512	526	543	552	546	538	533	528
18	527	528	527	526	528	532	536	531	528	532	538	535	528	517	522	517	515	522	529	542	544	541	538	531	530
19	525	527	533	542	542	542	536	536	533	536	537	532	527	522	511	500	508	521	534	543	552	555	554	534	532
20	529	533	532	532	533	538	539	536	534	534	534	532	527	517	507	511	517	537	546	547	551	543	541	539	533
21	539	542	542	538	533	522	508	512	516	528	511	517	522	517	502	503	513	529	541	550	553	547	542	540	528
22 D	531	513	505	496	509	523	527	528	528	531	532	527	518	505	501	499	507	521	536	545	550	545	520	517	522
23	525	511	517	520	525	525	528	532	530	532	530	522	518	507	494	497	498	509	519	528	528	546	537	547	522
24 D	549	520	534	522	530	529	528	550	533	532	530	527	516	487	466	497	504	514	519	517	528	529	535	524	522
25	513	530	536	533	533	537	536	528	521	527	526	522	517	510	495	491	506	522	533	541	542	538	527	529	525
26 D	534	537	540	539	532	537	508	527	526	529	532	521	508	498	486	486	502	526	542	546	542	528	528	537	525
27	523	491	507	524	528	537	546	531	527	525	522	521	512	501	488	486	503	514	522	521	533	539	535	523	519
28	516	513	515	509	513	533	529	530	530	533	527	519	521	512	504	506	519	533	538	546	547	551	538	532	526
29 D	503	513	517	550	525	522	511	517	507	513	523	526	517	501	502	503	507	514	518	535	540	542	528	534	519
30	529	519	526	536	535	537	528	533	517	532	523	521	518	512	500	488	498	515	526	532	539	539	535	531	524
31	522	522	530	533	534	538	537	537	536	533	534	533	529	504	491	493	498	508	513	534	537	548	539	541	526
Mean	529	526	529	530	529	532	530	532	529	529	529	527	522	512	503	502	510	522	534	541	544	542	538	534	527

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

Table 30. Agincourt. (D.) West. 7° + . . . ′ August, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	14.0	14.1	14.3	12.6	13.3	14.5	15.1	14.8	15.7	23.2	16.4	9.9	15.3	12.7	12.6	17.9	21.8	24.8	25.2	23.7	19.9	17.6	15.3	14.8	16.6
2	15.4	15.8	12.7	4.7	12.5	14.6	20.7	16.2	16.2	15.2	15.5	11.4	10.3	10.2	11.7	14.5	18.5	21.1	22.9	23.3	21.4	18.4	15.8	14.8	15.6
3 Q	14.8	15.1	15.3	16.0	16.0	16.0	15.6	15.3	14.8	13.8	15.5	10.7	9.7	8.9	10.7	13.5	19.0	22.9	23.3	21.4	19.0	18.2	16.3	15.3	15.7
4 Q	15.6	15.4	14.8	15.1	15.1	14.5	14.4	20.5	15.5	12.6	10.1	8.9	9.0	13.0	15.2	18.9	22.3	24.3	24.3	23.0	20.8	19.0	16.4	15.3	16.4
5 Q	15.4	15.0	10.9	11.9	13.6	14.2	15.0	14.9	14.7	13.7	12.9	10.8	8.9	9.0	11.8	15.3	20.0	25.1	26.2	24.8	21.9	18.9	17.9	15.4	15.8
6 D	14.7	13.1	10.9	10.4	10.6	13.2	15.1	13.6	21.5	8.2	9.0	8.1	9.1	12.7	12.4	15.5	20.7	23.9	24.0	20.0	21.4	20.5	16.5	14.9	15.0
7	14.5	14.3	12.2	15.6	15.4	16.1	16.1	15.5	15.6	16.8	17.2	11.0	10.8	13.5	15.4	16.9	18.6	19.5	21.0	20.0	18.4	17.9	17.2	15.8	16.1
8 Q	14.4	12.7	15.8	14.1	15.4	15.2	15.6	19.6	17.2	12.0	15.0	12.9	9.0	8.5	10.8	14.9	18.1	19.1	19.6	20.0	18.8	18.0	17.4	17.2	15.5
9	17.0	17.0	14.5	14.1	14.1	14.5	16.4	14.2	13.5	12.2	12.1	11.9	11.0	11.8	17.4	20.1	20.0	21.0	20.7	19.9	19.1	18.8	17.3	15.8	16.0
10	11.9	16.5	16.9	16.2	15.4	13.7	11.6	21.0	15.5	15.3	12.7	10.7	9.9	10.1	12.2	15.7	20.5	23.1	22.8	20.5	19.0	17.3	15.9	15.4	15.7
11	15.3	11.3	12.0	11.8	13.7	15.3	15.8	19.2	15.6	15.4	14.9	10.9	9.6	10.3	13.6	16.3	19.3	22.3	22.1	21.0	20.9	20.0	18.2	16.4	15.9
12	14.1	10.7	13.7	15.3	16.3	17.3	15.1	16.8	16.2	14.7	13.1	9.4	8.9	8.2	12.7	18.4	21.5	23.1	23.0	22.0	19.4	17.7	15.8	15.6	15.8
13 Q	15.7	15.7	15.9	15.9	15.5	11.1	13.9	14.4	16.9	14.5	9.4	7.8	8.6	9.9	15.4	20.5	24.9	25.8	21.8	18.3	17.3	17.1	15.6	15.6	15.7
14	15.3	11.5	15.5	16.5	16.1	15.9	17.2	21.5	16.5	12.8	13.1	8.9	8.8	9.8	13.6	18.3	20.9	21.4	21.7	21.0	18.5	16.9	16.2	11.9	15.8
15	13.1	15.4	13.8	14.7	14.9	15.1	14.7	13.6	12.5	12.6	11.3	9.1	8.0	8.2	11.7	16.8	21.5	23.2	22.9	24.9	22.8	20.0	18.9	19.4	15.8
16	20.0	16.0	15.5	15.2	14.5	14.3	12.9	12.2	13.4	15.7	15.8	19.1	13.7	14.0	14.4	18.6	21.2	22.2	22.7	20.3	18.0	16.8	15.0	15.0	16.5
17	15.4	15.4	15.4	15.4	14.7	16.2	17.8	17.8	19.9	13.9	10.8	10.0	8.3	10.1	13.2	17.8	20.7	22.3	22.9	21.3	18.9	17.9	16.9	16.1	16.2
18	15.0	13.9	14.1	13.1	15.1	15.4	18.0	13.5	17.1	20.2	12.7	9.5	9.1	12.5	15.3	16.5	19.2	22.4	22.6	20.1	19.0	17.4	16.3	16.5	16.0
19	10.4	9.1	14.4	15.3	17.0	14.5	13.8	15.5	13.8	13.3	11.8	10.9	11.2	11.8	13.7	16.0	20.7	22.9	24.6	22.7	19.7	17.5	16.2	15.2	15.5
20	12.0	13.7	14.7	15.5	13.7	13.7	15.3	14.5	14.4	13.7	11.9	12.1	11.6	11.8	14.4	18.9	21.8	22.8	21.7	20.0	18.9	18.9	17.9	16.3	15.8
21	16.1	16.0	15.6	11.7	6.3	9.8	5.4	5.6	14.9	18.3	15.2	16.3	10.6	11.1	13.6	15.9	15.7	21.9	22.2	20.9	20.0	19.2	17.9	17.1	14.5
22 D	15.5	3.5	3.7	11.8	11.7	6.3	14.8	14.7	14.7	15.3	13.1	12.0	11.3	12.7	14.2	17.5	20.0	23.5	23.9	22.5	20.0	18.2	19.2	17.1	14.9
23	15.9	10.9	12.9	14.7	15.4	15.6	16.0	15.3	14.7	14.0	12.6	12.2	10.1	9.7	10.8	15.3	19.7	21.6	23.7	21.8	19.5	16.7	16.4	14.9	15.5
24 D	14.3	12.5	14.2	12.7	15.9	18.9	19.0	19.2	11.5	9.9	7.8	7.1	7.3	10.7	20.9	22.7	21.7	23.2	22.4	22.2	19.1	17.3	16.1	11.9	15.8
25	6.3	15.9	16.9	16.6	15.5	15.3	18.1	14.5	15.6	15.9	14.2	11.6	11.1	12.2	14.9	18.8	22.6	23.3	22.7	20.7	18.1	16.9	16.5	16.3	16.3
26 D	16.8	16.4	16.2	15.5	15.3	13.7	12.0	13.9	15.1	16.8	11.8	10.7	10.8	13.4	16.6	20.3	24.9	25.3	23.8	21.9	19.0	16.6	15.0	15.4	16.5
27	9.9	-1.6	12.1	15.3	16.1	16.3	14.2	13.4	12.0	12.5	11.7	9.6	10.8	14.4	18.1	18.3	21.7	23.6	24.0	24.0	21.0	17.9	15.9	8.8	15.0
28	9.7	10.7	9.8	9.8	14.5	18.9	14.6	15.1	14.1	12.9	13.6	18.2	9.4	8.3	11.9	17.1	21.7	24.5	23.7	20.9	18.9	15.9	14.4	12.7	15.1
29 D	2.6	14.1	11.9	9.0	13.5	15.6	14.0	19.0	24.9	18.3	11.7	7.0	6.4	9.2	11.8	15.6	19.9	22.7	24.8	22.5	18.6	15.9	13.5	13.8	14.8
30	14.9	8.9	14.1	14.3	14.6	16.0	17.4	20.0	24.7	15.0	11.9	12.4	9.0	9.9	13.9	20.7	26.3	25.3	25.6	21.7	18.2	17.0	16.1	14.9	16.8
31	14.8	13.6	15.4	15.7	16.4	17.2	18.0	18.9	16.2	11.9	10.0	8.9	7.3	8.5	11.9	17.3	21.0	24.2	26.9	23.6	20.8	17.9	15.7	14.9	16.1
Mean	13.9	13.0	13.8	13.8	14.5	14.8	15.3	15.9	16.0	14.5	12.7	11.0	9.8	10.9	13.8	17.4	20.8	23.0	23.2	21.6	19.6	17.6	16.5	15.2	15.8

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 31. Agincourt. (Z.) 56,000 γ + August, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	214	214	213	203	200	205	207	207	205	190	189	193	189	190	193	196	199	203	204	211	216	214	214	214	203
2	211	211	211	190	178	182	181	191	204	210	211	211	211	209	205	209	209	211	216	220	222	223	223	219	207
3 Q	217	216	213	209	207	207	207	207	207	209	205	204	204	200	200	207	210	211	207	211	215	213	213	213	209
4 Q	211	211	210	210	209	209	205	174	180	200	210	211	208	205	201	201	206	211	216	213	213	216	216	213	207
5 Q	211	210	209	204	206	205	204	204	205	210	210	211	210	209	208	210	211	204	201	206	211	220	225	234	210
6 D	229	229	220	210	215	217	216	206	164	183	206	211	206	198	199	205	206	209	206	211	223	240	231	232	211
7	227	218	207	210	208	209	207	208	207	199	177	177	190	193	196	201	203	206	216	223	222	210	215	215	206
8 Q	213	210	210	205	204	204	201	186	187	196	197	193	196	197	199	204	206	205	206	210	211	211	204	204	202
9	205	206	210	211	210	204	200	204	205	206	207	207	208	206	205	205	204	199	196	201	207	215	217	221	207
10	220	213	211	210	211	203	193	182	194	205	210	210	206	206	209	210	211	211	214	217	220	215	217	216	209
11	217	210	193	199	207	207	207	199	204	204	205	206	210	211	211	210	201	200	201	209	213	213	212	211	207
12	211	211	211	211	205	202	199	194	188	195	204	209	208	206	206	204	201	203	205	206	211	216	217	213	211
13 Q	213	211	207	206	206	199	196	199	204	205	206	206	206	206	207	205	209	211	204	204	204	206	210	211	206
14	216	223	216	210	207	204	201	193	194	205	208	209	209	211	211	210	209	210	216	222	222	221	221	218	211
15	216	214	213	211	210	210	208	207	206	209	209	209	209	209	206	199	198	198	199	204	210	215	222	221	209
16	217	216	211	208	208	205	194	200	199	199	200	193	189	193	194	199	204	205	208	210	213	217	219	216	205
17	207	205	204	205	207	198	175	176	155	161	181	196	199	203	204	204	203	209	213	213	213	214	216	215	199
18	214	211	210	205	199	188	171	176	190	198	205	205	205	203	204	204	203	199	199	202	211	214	217	218	202
19	217	204	209	193	176	190	197	200	204	205	205	205	206	206	201	199	203	203	205	209	209	211	214	213	203
20	211	208	208	205	198	176	174	194	203	204	206	206	206	206	206	207	208	209	209	209	209	207	206	205	203
21	205	205	206	208	199	193	151	170	191	196	187	206	206	206	204	209	209	210	210	213	216	214	211	210	201
22 D	210	202	181	199	190	151	172	186	199	204	203	203	203	203	207	209	206	210	211	215	216	217	216	215	201
23	213	213	211	207	207	207	207	207	207	206	207	207	204	203	202	203	203	210	214	217	222	222	214	212	209
24 D	210	217	210	210	205	176	135	147	180	196	200	204	199	189	191	193	194	197	205	213	223	220	219	216	198
25	215	207	204	202	200	193	187	193	199	200	204	204	204	204	204	205	204	204	206	210	210	210	205	204	203
26 D	203	203	201	199	196	147	163	193	200	201	200	199	199	200	200	195	200	209	214	214	214	216	211	209	199
27	211	201	211	210	204	197	182	187	200	199	204	204	201	200	199	199	200	204	211	217	217	216	215	214	204
28	210	208	204	203	181	142	193	202	203	204	203	190	187	193	196	198	199	201	201	206	207	210	210	214	199
29 D	216	206	204	172	175	172	137	148	154	164	191	200	200	199	198	199	201	205	209	212	211	213	213	212	192
30	211	207	205	197	192	187	177	168	168	180	193	196	201	201	201	201	204	209	210	212	216	215	211	210	199
31	209	209	207	204	199	193	188	187	188	200	204	204	203	199	199	198	199	200	207	211	215	219	217	210	203
Mean	213	211	208	204	201	193	188	190	193	198	202	203	203	202	202	203	204	206	208	211	214	216	215	214	204

Table 32. Agincourt — August, 1954.

Day	Horizontal Force						Declination						Vertical Force					
	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	35	551	16	19	467	84	9	48	29.4	3	11	8.6	20.8	20	35	218	10	27	182	36
2	20	31	547	15	45	489	58	19	17	24.0	3	34	0.7	23.3	20	30	225	3	15	171	54
3 Q	19	57	563	14	19	502	61	18	15	23.9	13	56	7.7	16.2	20	35	217	11	3	199	18
4 Q	19	0	562	14	55	497	65	17	48	24.9	12	29	7.5	17.4	18	59	219	7	35	154	65
5 Q	21	35	560	15	0	504	56	17	52	26.8	13	4	7.4	19.4	23	12	240	19	7	200	40
6 D	20	13	571	16	18	491	80	8	20	31.3	9	17	4.6	26.7	21	33	247	8	53	151	96
7	22	57	573	14	15	488	85	18	35	21.8	2	17	8.0	13.8	0	2	234	10	56	170	64
8 Q	2	20	548	14	57	511	37	19	29	20.4	12	39	7.2	13.2	0	31	216	7	20	183	33
9	21	58	548	23	58	499	49	17	18	22.2	12	41	7.9	14.3	23	59	228	18	30	194	34
10	20	4	557	15	48	502	55	7	15	26.8	0	2	7.3	19.5	0	2	227	7	25	175	52
11	2	55	542	11	50	500	42	17	10	23.0	2	42	6.9	16.1	1	14	221	2	14	184	37
12	20	27	547	15	17	510	37	17	28	24.0	11	31	7.7	16.3	21	28	219	7	59	183	36
13 Q	19	40	560	15	0	494	66	16	58	27.9	11	52	6.7	21.2	0	8	217	5	47	193	24
14	21	19	555	15	8	490	65	8	4	22.6	11	38	7.5	15.1	1	23	229	7	31	186	43
15	22	14	570	15	38	497	73	11	44	26.7	12	34	7.3	19.4	22	34	228	16	43	196	32
16	19	53	558	16	12	500	58	17	57	23.7	8	34	10.1	13.6	22	55	223	11	42	183	40
17	20	34	558	15	7	485	73	8	52	24.4	12	30	7.2	17.2	0	8	218	8	50	146	72
18	11	10	546	16	5	501	45	9	21	24.0	12	27	7.8	16.2	22	54	220	6	48	165	55
19	22	11	567	15	38	496	71	18	40	25.0	0	48	2.6	22.4	0	42	222	4	3	168	54
20	20	22	557	14	25	504	53	17	49	23.4	0	38	9.9	13.5	0	10	216	5	58	159	57
21	20	22	569	10	55	486	83	18	11	22.9	6	52	-4.1	27.0	20	20	220	6	52	126	94
22 D	20	56	556	3	2	483	73	18	18	24.4	5	0	-1.0	25.4	1	10	222	5	32	139	83
23	23	59	562	14	31	489	73	18	38	25.0	1	32	8.0	17.0	20	45	228	14	12	198	30
24 D	7	30	568	14	17	442	126	14	35	24.5	13	11	4.7	19.8	20	45	229	6	57	114	115
25	21	2	545	15	13	486	59	18	13	23.7	0	22	0.9	22.8	0	20	219	5	47	183	36
26 D	19	18	559	15	15	481	78	17	4	26.3	6	16	10.1	16.2	21	20	222	5	57	136	86
27	6	2	557	1	38	482	75	19	18	25.1	0	58	-4.8	29.9	19	59	222	6	13	175	47
28	21	55	559	15	15	497	62	17	45	25.0	23	59	2.8	22.2	23	57	223	5	22	114	109
29 D	3	41	560	18	45	490	70	8	45	27.8	0	30	-0.8	28.6	0	9	223	7	1	111	112
30	19	17	543	15	48	483	60	8	29	28.1	1	24	-0.1	28.2	21	0	220	7	57	162	58
31	21	20	568	14	20	487	81	18	33	28.5	12	43	6.9	21.6	21	19	226	6	0	184	42
Mean			558			492	66			25.1			5.3	19.8			224			167	57
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, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	542	530	528	531	537	532	530	529	527	523	525	531	528	499	493	491	501	517	522	524	539	540	522	512	523
2	502	510	503	537	523	508	514	533	526	526	508	519	515	503	486	479	478	495	518	537	544	537	523	528	515
3	524	532	532	532	532	531	530	534	522	521	534	501	527	521	496	463	481	516	532	514	523	534	532	508	520
4	522	519	523	526	530	515	526	526	529	529	533	515	515	515	517	488	500	522	537	543	543	536	535	533	524
5	517	501	518	520	525	514	509	522	526	531	507	512	517	506	490	488	499	510	522	534	541	544	537	532	518
6	521	523	532	532	528	529	532	526	529	532	534	532	526	516	501	476	476	516	533	544	544	541	528	523	524
7	520	519	509	491	518	519	517	523	517	528	528	522	509	501	498	497	498	501	527	540	534	526	518	522	516
8 Q	524	528	534	528	533	533	532	532	533	529	528	526	516	505	496	492	496	502	511	531	542	535	527	532	522
9	533	534	533	543	537	518	517	518	513	518	528	523	514	503	479	487	511	522	530	534	537	522	527	526	521
10	527	524	528	525	519	522	521	526	528	528	529	531	522	507	492	502	516	529	542	543	541	536	529	523	525
11	528	533	529	534	519	522	521	513	533	535	535	520	508	519	512	502	498	500	517	522	522	521	522	525	520
12 Q	528	528	528	528	529	530	529	527	528	529	524	532	523	508	503	499	504	515	526	534	538	535	534	532	524
13 Q	536	534	533	533	534	536	534	528	532	528	531	528	521	513	507	506	514	528	540	546	547	554	534	538	531
14 D	521	503	518	520	540	496	516	514	507	535	538	495	507	513	491	492	499	515	522	527	532	534	506	517	515
15	524	528	531	528	528	532	532	531	528	526	529	537	518	508	496	481	496	507	520	535	540	537	536	529	523
16	513	500	512	533	521	509	507	501	509	533	538	534	519	508	503	506	507	513	516	533	534	532	528	527	518
17	518	508	508	507	505	509	526	527	530	532	537	533	523	512	500	498	503	515	529	536	539	534	530	527	520
18	517	510	523	526	529	529	529	521	523	518	517	529	527	513	499	489	489	498	510	523	538	537	526	528	518
19 Q	532	536	535	531	530	525	521	527	533	536	538	534	528	522	514	516	519	524	521	526	533	526	533	543	528
20 D	546	544	533	513	505	514	511	518	522	522	523	524	510	494	493	453	474	513	503	537	528	522	492	501	512
21 D	514	521	517	533	507	498	514	514	502	496	520	522	512	500	502	498	507	519	530	522	526	530	523	512	514
22	519	522	525	527	527	524	526	523	525	529	530	522	523	510	503	504	503	509	522	526	536	537	532	533	522
23 Q	529	528	528	533	533	528	532	532	530	533	530	521	519	514	504	501	508	522	530	537	538	535	531	533	526
24	528	529	531	532	533	537	533	531	529	534	540	537	532	520	514	504	506	532	543	548	550	543	520	512	530
25	531	528	542	527	526	499	508	507	519	527	527	523	508	510	495	483	491	513	529	540	518	528	534	534	519
26	526	533	536	523	522	537	527	526	529	533	532	528	527	520	508	502	507	513	518	533	540	538	533	530	526
27	532	531	528	531	529	532	532	532	533	537	537	535	528	518	507	497	490	498	509	529	545	526	534	531	525
28	503	513	522	514	518	510	501	509	522	523	533	537	530	527	512	508	512	514	528	541	545	546	533	519	522
29 D	528	518	509	509	532	522	519	522	528	527	533	539	532	523	510	509	504	500	533	536	523	513	500	511	520
30	522	526	523	519	509	512	485	505	511	521	522	537	534	522	513	503	503	513	528	527	533	543	555	528	521
31																									
Mean	524	523	525	526	525	521	521	522	524	527	529	526	521	512	501	494	500	513	525	534	536	534	527	525	521

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

Table 34. Agincourt. (D.) West. 7° + . . . ′ September, 1954.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	15.2	10.9	12.3	14.4	17.3	14.8	13.4	16.0	14.6	11.8	13.9	10.9	7.4	9.6	18.8	23.4	26.9	25.6	24.6	26.6	20.9	18.2	15.7	7.7	16.3
2	1.5	13.7	7.5	7.1	14.6	17.9	27.5	17.8	12.9	12.8	18.0	12.9	8.8	9.9	14.0	19.1	23.6	24.8	25.1	22.2	19.6	18.3	14.8	13.4	15.7
3	15.6	16.3	16.6	16.2	16.0	16.9	17.2	21.1	16.4	17.2	12.0	15.4	16.0	10.9	14.1	19.1	17.9	26.5	24.2	26.3	21.9	19.4	17.7	10.4	17.6
4	9.9	15.0	14.2	15.7	19.0	10.6	14.0	15.6	13.3	12.8	11.8	11.5	14.9	15.8	14.8	16.5	26.3	22.8	22.5	20.1	18.1	16.9	15.5	15.4	16.0
5	15.6	9.3	13.9	14.8	16.8	14.6	22.1	16.3	16.6	12.0	12.8	12.8	11.0	11.9	15.5	19.0	22.4	22.7	22.5	20.1	17.5	16.2	15.8	16.4	16.2
6	14.6	15.5	16.5	17.0	16.4	18.2	18.7	13.9	13.7	13.6	12.8	10.5	9.9	10.5	13.0	19.2	28.2	28.6	28.2	23.1	15.9	20.4	17.3	16.4	17.2
7	15.6	14.2	13.3	10.9	16.5	13.7	15.6	22.3	19.4	17.4	12.8	11.0	11.2	11.9	14.7	17.4	20.0	21.7	21.6	18.1	17.3	15.6	16.4	13.7	15.9
8 Q	9.2	13.8	14.6	15.5	18.1	16.6	15.8	15.0	14.7	13.9	13.1	12.0	12.0	12.6	16.4	20.1	22.8	24.1	25.7	21.7	17.9	15.6	16.4	16.6	16.4
9	16.5	16.5	16.5	16.3	20.6	14.7	17.4	14.8	11.3	11.2	12.0	10.9	11.0	12.8	21.2	29.0	26.9	23.8	22.8	20.9	18.0	15.5	13.8	15.5	16.7
10	14.7	14.3	15.5	13.3	18.0	13.6	18.3	14.6	15.2	14.4	16.1	10.9	9.5	10.9	15.2	21.1	24.2	24.8	23.1	19.9	16.8	15.7	15.5	14.7	16.3
11	14.8	15.7	16.2	14.4	15.7	16.4	17.8	21.1	14.9	11.9	11.1	14.4	21.3	18.4	17.2	20.9	24.4	25.5	23.8	23.1	20.5	17.3	14.5	15.2	17.8
12 Q	15.2	15.5	16.2	15.7	16.2	16.4	17.7	13.7	13.2	10.3	14.0	12.0	8.6	9.9	14.5	19.4	22.8	24.1	23.6	21.1	18.2	16.7	15.7	15.1	16.1
13 Q	16.2	16.0	15.6	16.3	16.4	15.8	14.7	14.0	12.8	12.5	12.8	11.9	12.6	13.0	16.4	19.9	22.8	23.6	22.0	19.9	18.1	17.0	17.8	18.5	16.5
14 D	16.2	14.2	15.0	13.0	12.5	16.2	13.6	15.2	19.7	10.3	6.9	10.0	26.1	24.2	22.7	26.2	25.1	25.3	24.4	21.6	19.1	18.2	14.4	15.5	17.7
15	16.4	15.7	15.4	10.2	14.1	16.1	15.7	14.6	17.4	24.0	15.2	12.0	13.0	10.0	16.3	17.3	23.4	24.5	23.6	21.2	19.1	16.7	15.7	14.9	16.8
16	4.9	2.9	14.0	5.5	12.7	14.0	13.2	9.1	14.8	19.8	11.7	9.8	10.9	15.1	18.3	19.3	22.8	24.3	24.7	22.1	19.2	16.6	14.5	12.8	14.7
17	9.2	7.8	12.1	10.9	11.8	13.7	16.3	14.9	13.7	15.0	13.7	12.0	10.9	11.9	13.8	17.3	19.9	21.4	22.0	21.1	21.0	21.0	17.7	16.2	15.2
18	11.2	10.1	12.5	13.8	14.7	14.6	15.1	17.2	12.8	10.1	15.2	15.4	10.5	11.1	14.0	18.2	21.4	24.5	24.9	23.2	19.9	17.3	15.3	14.6	15.7
19 Q	15.4	15.4	15.2	15.6	14.6	10.0	15.5	19.3	17.7	14.5	12.9	11.9	11.8	11.9	14.1	16.5	19.0	21.2	22.3	21.1	19.8	18.3	16.9	16.2	16.1
20 D	15.5	16.1	7.3	11.0	13.8	13.0	19.1	19.8	16.5	12.5	13.3	12.9	18.4	23.6	22.9	22.4	25.6	26.3	27.4	22.0	15.3	18.8	17.4	7.9	17.4
21 D	8.9	16.3	9.1	12.9	22.3	24.9	12.8	15.6	16.8	25.2	23.4	19.9	17.9	20.2	18.9	21.9	22.9	23.9	20.7	22.1	19.2	17.5	17.3	14.2	18.5
22	14.8	13.3	16.3	17.1	16.1	15.6	14.8	16.5	18.3	15.5	14.7	16.9	15.9	17.3	17.1	20.2	22.0	22.1	21.6	20.1	17.6	17.5	17.4	16.5	17.3
23 Q	14.9	16.2	15.7	16.5	15.9	15.5	17.0	17.1	21.0	15.2	11.8	15.7	15.4	14.6	16.5	19.8	22.0	22.9	22.3	20.2	17.7	16.4	16.4	15.7	17.2
24	16.2	14.3	13.6	16.7	17.1	17.3	17.2	15.8	13.1	13.6	11.2	10.1	11.1	11.2	13.0	16.7	21.1	22.3	22.0	20.0	18.1	18.1	17.4	16.2	16.0
25	16.3	16.6	10.8	13.8	13.7	11.0	13.5	13.0	15.6	15.8	14.7	12.7	15.0	14.5	14.8	17.9	22.3	24.5	23.3	21.1	21.2	18.5	16.9	15.6	16.4
26	11.7	12.7	13.1	14.7	14.2	15.2	13.9	16.7	19.3	11.8	12.0	11.7	12.5	13.0	14.8	16.8	19.2	21.1	21.2	19.3	17.6	16.4	15.8	14.9	15.4
27	15.6	14.9	15.8	13.8	16.2	16.4	15.6	15.1	14.5	14.6	14.8	13.1	12.0	11.6	13.0	14.9	19.1	23.8	24.3	21.3	20.8	22.3	19.2	18.0	16.7
28	14.1	5.7	11.0	13.1	13.6	14.4	22.8	15.4	17.9	15.5	11.8	13.5	13.8	13.0	15.7	15.5	17.6	21.0	22.6	21.9	20.0	17.4	17.0	15.7	15.8
29 D	16.2	12.1	2.4	11.6	19.3	14.1	14.6	17.2	12.0	17.6	17.4	20.0	12.7	14.4	17.2	15.3	18.1	21.1	22.8	22.4	19.2	22.8	28.1	19.6	16.8
30	17.1	16.2	15.5	14.9	0.6	9.8	7.5	6.9	9.8	16.0	20.0	15.8	12.2	11.9	12.0	13.9	17.9	21.9	23.0	22.9	21.0	19.3	18.0	18.3	15.1
31																									
Mean	13.6	13.6	13.5	13.4	15.5	15.1	16.3	15.8	15.3	14.6	13.8	13.0	13.2	13.6	16.0	19.1	22.3	23.7	23.4	21.6	18.9	17.9	16.6	15.1	16.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 35. Agincourt. (Z.) 56,000 γ + September, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	210	206	204	204	190	181	181	184	187	195	204	202	200	194	194	196	207	216	216	231	246	258	269	288	211
2	229	231	205	148	168	170	131	178	199	202	193	203	204	203	203	204	205	211	215	217	217	222	230	223	200
3	218	211	207	204	204	199	183	170	180	171	166	158	188	187	187	198	208	206	213	217	229	228	234	246	201
4	223	217	211	204	170	165	172	193	203	205	204	197	194	193	188	192	200	204	203	205	210	210	211	211	199
5	211	215	207	181	160	178	148	159	181	194	190	193	185	193	198	201	204	209	212	212	209	207	205	206	194
6	206	207	203	196	199	193	179	193	200	200	201	200	199	197	193	194	200	208	213	258	259	245	237	238	209
7	223	223	219	210	152	176	187	152	168	189	199	199	197	199	199	204	203	208	213	213	216	217	211	212	200
8 Q	207	203	193	199	201	204	204	204	204	203	203	203	199	199	201	205	207	211	217	216	214	213	209	207	205
9	206	204	204	186	166	187	178	161	181	199	204	204	201	199	199	200	201	207	213	217	217	217	215	210	199
10	210	205	205	203	188	175	174	181	195	194	200	207	201	200	199	199	199	201	206	210	211	211	210	208	199
11	206	205	205	192	188	187	187	181	200	202	202	194	177	177	187	193	198	205	212	217	219	222	220	213	200
12 Q	210	206	205	204	204	203	200	202	206	199	201	198	196	197	199	201	205	207	211	212	212	210	205	205	204
13 Q	204	204	204	201	201	201	196	198	199	200	201	204	204	203	202	200	201	205	206	210	210	210	214	223	204
14 D	263	246	221	190	104	146	207	204	182	198	197	181	160	152	173	182	187	197	200	207	211	217	236	225	195
15	217	210	208	197	199	204	204	201	186	141	144	158	163	180	188	199	205	206	206	210	208	205	205	206	194
16	211	206	207	181	168	181	140	147	173	178	188	197	199	197	204	199	196	199	203	206	206	211	213	216	193
17	212	200	211	203	199	197	202	203	203	203	205	205	205	205	205	202	198	197	200	206	214	217	216	216	205
18	211	210	207	204	203	200	199	187	169	181	176	187	192	193	199	203	200	201	208	214	213	210	215	209	200
19 Q	205	205	204	204	201	193	201	186	193	193	199	199	199	198	198	196	194	195	193	205	211	212	207	205	200
20 D	203	202	199	170	190	187	178	166	186	181	184	181	184	186	188	194	207	236	243	269	305	252	244	231	207
21 D	210	205	199	164	153	108	164	193	180	161	159	156	180	187	193	199	206	210	224	222	220	210	210	210	188
22	211	207	209	207	205	206	204	199	193	193	194	194	197	199	206	206	205	205	210	213	213	211	206	205	204
23 Q	205	205	204	204	201	203	200	196	175	174	183	190	193	194	198	199	201	207	210	210	211	210	208	206	199
24	204	200	199	200	196	188	187	192	194	193	187	190	193	193	192	192	192	191	194	200	204	207	217	213	196
25	207	206	193	192	189	180	160	144	184	193	203	197	197	194	193	196	203	206	205	210	211	210	207	205	196
26	206	203	193	193	193	180	187	194	187	193	197	196	197	196	196	199	198	200	204	204	204	204	201	203	197
27	203	201	200	194	196	199	199	199	198	197	197	194	196	194	196	199	199	199	204	213	217	213	211	214	201
28	227	222	193	204	199	184	142	133	140	158	178	186	193	193	193	194	193	195	198	199	199	204	205	207	189
29 D	208	207	196	190	158	180	190	184	184	187	172	177	182	188	187	187	187	196	206	211	246	275	259	234	200
30	216	206	204	205	188	162	134	148	152	164	180	193	199	201	199	199	199	200	206	209	210	206	209	217	192
31																									
Mean	213	209	204	194	185	184	181	181	186	188	190	191	192	193	195	198	200	204	209	215	219	218	218	217	199

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 36. Agincourt — September, 1954.

Day	Horizontal Force						Declination						Vertical Force					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +		Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	21	24	568	13	53	474	94	19	31	31.0	23	58	-30.0	61.0	23	59	388	3	38	176	212
2	3	36	560	16	27	475	85	6	22	37.2	0	1	-27.4	64.6	0	1	306	6	23	108	198
3	19	7	546	15	38	453	93	16	46	30.7	23	52	-6.3	37.0	23	45	276	11	46	146	130
4	19	55	551	15	59	476	75	16	33	28.2	0	1	-0.9	29.1	0	1	230	5	19	154	76
5	4	8	551	15	38	482	69	6	31	26.4	1	19	5.6	20.8	1	48	217	6	54	134	83
6	21	27	581	16	11	461	120	18	13	34.4	12	42	9.2	25.2	19	52	296	6	29	176	120
7	20	20	547	3	14	483	64	4	23	29.2	4	41	4.3	24.9	0	1	234	4	19	122	112
8 Q	21	4	546	16	7	487	59	18	22	26.9	0	24	8.1	18.8	18	37	219	2	8	188	31
9	3	49	569	14	56	470	99	15	35	30.9	3	17	2.8	28.1	19	30	219	4	6	153	66
10	19	54	548	15	2	492	56	17	33	25.3	5	48	8.9	16.4	20	34	214	6	34	167	47
11	3	9	548	17	35	493	55	17	37	26.4	10	35	10.1	16.3	21	53	223	7	29	176	47
12 Q	20	56	541	15	29	496	45	17	30	24.9	12	38	7.2	17.7	19	5	214	12	30	194	20
13 Q	21	41	569	14	37	504	65	17	13	24.0	11	0	10.9	13.1	23	59	232	6	55	188	44
14 D	4	11	560	5	42	472	88	12	42	30.5	3	52	1.2	29.3	0	29	270	4	57	86	184
15	20	24	547	15	19	478	69	9	16	26.4	3	34	6.5	19.9	0	8	222	9	45	116	106
16	3	55	552	14	40	490	62	18	15	27.1	3	22	-3.4	30.4	21	55	217	6	36	126	91
17	20	33	547	1	54	490	57	18	24	22.3	0	52	3.6	18.7	0	38	219	5	10	188	31
18	21	49	543	16	33	484	59	18	18	24.8	0	57	4.1	20.7	21	27	222	8	26	162	60
19 Q	23	48	545	16	10	508	37	18	34	22.8	5	32	7.7	15.1	21	11	216	7	34	177	39
20 D	19	52	549	15	46	436	113	16	56	38.4	2	53	-7.3	45.7	20	22	357	7	30	148	209
21 D	3	5	574	9	15	472	102	5	3	36.1	2	55	-1.2	37.3	18	22	234	5	12	87	147
22	21	1	547	14	9	495	52	16	59	23.2	0	1	12.0	11.2	21	2	217	9	5	187	30
23 Q	20	8	542	15	31	496	46	8	38	24.7	10	47	11.0	13.7	20	54	212	8	35	165	47
24	20	13	564	15	45	493	71	18	5	23.0	11	38	9.3	13.7	22	52	224	6	4	184	40
25	19	35	552	15	19	477	75	16	55	25.2	2	30	4.0	21.2	21	23	216	6	4	140	76
26	5	39	552	15	25	496	56	8	13	24.3	1	47	7.3	17.0	0	4	211	5	45	161	50
27	20	38	550	16	42	485	65	17	30	25.2	14	3	10.1	15.1	19	29	224	3	38	190	34
28	21	35	552	6	23	485	67	6	51	28.3	1	52	-15.3	43.6	1	44	238	7	2	98	140
29 D	20	13	552	17	28	485	67	21	51	29.2	2	17	-2.8	32.0	21	36	293	4	22	141	152
30	22	25	562	6	39	466	96	18	34	23.7	4	36	-4.5	28.2	23	56	222	6	23	124	98
31																					
Mean			554			482	72			27.7			1.5	26.2			243			152	91
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, 1954.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	517	506	487	504	514	491	504	509	476	483	525	528	519	516	517	506	483	468	495	528	534	524	533	528	508
2	528	535	539	518	512	512	523	529	531	533	533	533	528	520	512	502	497	506	516	528	534	540	517	521	523
3 D	519	488	505	499	504	484	515	504	524	532	538	534	530	522	503	481	494	509	524	535	535	518	499	488	512
4	485	456	474	508	504	517	515	517	523	530	529	529	534	521	507	488	500	517	524	529	521	531	533	526	513
5	528	528	530	530	527	528	531	531	532	531	532	531	524	517	509	503	503	511	526	540	534	535	534	532	526
6	539	539	534	527	516	514	504	513	520	522	537	544	523	496	508	481	499	508	537	538	535	534	527	533	522
7	531	527	520	534	531	524	527	529	536	538	540	531	521	525	509	493	491	487	510	520	531	536	532	529	523
8	523	533	530	527	531	532	529	528	537	539	539	539	524	514	521	524	525	525	521	524	524	525	519	517	527
9 Q	522	525	524	523	518	533	531	524	532	533	533	532	528	521	518	511	514	526	538	545	543	535	535	534	528
10 Q	534	537	536	540	522	527	527	530	533	535	540	540	535	528	522	510	509	515	524	529	537	538	539	537	530
11	536	537	530	523	523	527	541	535	534	537	541	539	539	536	529	519	518	522	534	540	544	544	544	544	534
12 Q	544	543	543	541	541	541	541	542	543	544	544	543	538	530	519	513	515	521	532	542	544	546	549	549	538
13 Q	549	545	544	543	544	544	544	546	548	547	549	549	543	534	523	509	504	513	529	533	544	549	546	543	538
14	539	539	541	543	543	544	544	545	544	539	539	539	533	522	521	512	512	517	524	532	532	529	531	536	533
15 Q	536	535	538	541	538	536	541	539	538	536	548	545	543	534	523	508	504	509	524	540	544	544	545	546	535
16	539	544	544	544	544	544	542	539	542	548	549	548	543	532	504	482	509	514	528	537	537	538	536	536	534
17	532	531	529	529	523	524	532	536	540	540	538	538	530	528	519	508	500	510	522	534	542	538	531	529	528
18 D	524	525	503	493	503	510	518	490	518	542	540	516	535	513	491	493	467	497	519	523	530	533	533	524	514
19	525	531	533	534	524	523	531	529	515	543	531	514	524	529	515	499	509	513	524	534	535	539	537	532	526
20	525	517	539	530	523	530	529	537	529	534	542	545	527	523	519	516	510	507	512	518	520	525	528	525	525
21	523	523	529	531	534	532	534	533	531	532	533	538	531	524	518	514	519	523	529	528	531	534	536	536	529
22	534	533	533	534	531	539	533	529	530	537	546	544	539	530	520	517	513	516	523	530	532	526	524	529	530
23 D	511	511	514	520	519	525	530	532	524	498	511	520	511	521	509	499	505	517	503	509	515	527	510	503	515
24 D	479	463	473	480	428	452	439	444	480	515	522	515	516	515	505	495	474	482	515	525	514	508	520	523	491
25	511	513	482	475	489	443	478	510	499	512	510	514	513	515	503	500	509	509	515	525	532	535	532	530	506
26	520	531	535	530	530	529	534	532	530	535	537	539	538	525	514	501	508	517	521	522	530	535	535	531	526
27	528	529	529	534	532	540	540	542	540	525	535	544	539	526	500	496	519	526	527	530	534	536	535	533	530
28	525	524	535	529	528	533	534	533	534	534	535	535	529	517	508	500	501	514	525	534	540	538	539	539	528
29	537	537	537	539	540	539	540	542	544	540	540	536	530	519	505	500	505	516	529	539	540	543	535	519	531
30	514	501	494	489	480	505	530	530	533	536	536	535	529	515	504	506	510	517	522	529	525	515	527	528	517
31	524	520	525	530	535	537	542	535	538	530	533	537	528	502	496	491	504	512	530	530	520	505	520	525	523
Mean	525	523	523	523	520	521	526	526	528	532	536	535	530	522	512	502	504	511	523	531	533	532	531	529	524

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

Table 38. Agincourt. (D.) West. 7° + . . . ′ October, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1D	16.5	14.8	11.1	3.7	22.7	21.2	15.8	12.7	13.1	10.3	9.2	14.8	14.7	13.9	13.2	16.4	18.0	21.9	25.6	22.7	20.1	15.8	15.6	16.5	15.8
2	15.7	9.0	13.4	13.2	18.0	12.9	14.8	15.6	15.0	15.4	15.2	14.2	12.9	11.8	11.9	14.5	18.1	21.1	22.1	21.2	19.5	16.3	15.7	19.1	15.7
3D	14.4	2.0	10.2	14.1	11.2	15.4	15.7	15.7	13.6	12.1	13.8	13.8	13.0	12.8	15.1	22.1	22.9	22.8	25.4	22.2	20.5	20.0	16.3	13.4	15.8
4	7.5	0.0	8.3	13.1	16.6	22.4	14.7	16.4	13.8	13.2	15.2	16.7	13.6	11.0	12.1	15.8	22.2	23.2	22.8	22.0	21.0	17.9	16.3	15.3	15.5
5	15.6	15.4	15.7	17.6	17.5	16.6	16.6	15.9	16.4	15.8	16.4	14.8	13.8	13.6	14.1	15.8	20.2	23.2	23.9	22.0	20.0	17.4	18.4	15.6	17.2
6	15.9	16.2	16.3	11.8	8.0	9.0	12.1	15.6	19.3	18.9	13.6	12.3	13.4	19.1	21.4	22.7	25.5	25.7	20.7	20.2	18.4	17.6	16.9	15.9	16.9
7	16.2	15.8	14.5	13.9	14.7	15.1	15.1	14.5	14.5	14.5	15.1	16.5	22.5	15.1	14.7	16.7	19.2	23.2	23.2	21.2	20.7	18.7	17.4	16.4	17.1
8	14.5	12.1	15.9	14.0	15.9	14.4	14.0	15.8	14.5	14.3	14.7	14.8	16.7	23.2	21.7	21.3	17.6	19.1	19.3	19.4	19.2	18.3	16.2	12.7	16.7
9Q	15.7	16.1	16.0	14.9	14.3	19.2	15.1	12.2	14.6	14.2	14.4	14.2	13.8	13.3	13.7	15.3	17.4	19.2	19.5	18.3	17.3	16.9	17.0	16.4	15.8
10Q	15.6	16.3	16.2	10.3	14.8	14.1	14.7	13.5	12.8	14.6	14.3	13.7	13.0	12.9	13.0	15.4	18.3	20.2	20.4	19.2	17.8	16.6	16.6	16.5	15.5
11	14.0	16.3	15.7	15.2	15.0	16.1	18.1	12.8	15.1	13.3	15.1	15.6	17.5	14.8	14.2	16.0	18.1	20.6	20.6	19.7	18.7	17.5	16.9	16.2	16.4
12Q	16.1	16.0	15.7	15.9	15.9	15.9	15.6	15.5	15.5	15.2	15.1	14.4	12.7	11.4	11.1	13.1	17.4	21.3	21.6	20.7	18.9	17.1	16.3	15.6	16.0
13Q	15.5	15.4	15.6	16.1	16.1	16.1	16.1	15.4	15.2	14.7	14.8	13.6	12.8	12.5	12.7	13.4	16.7	20.5	22.2	32.0	20.0	17.5	17.0	16.6	16.2
14	15.8	15.1	15.3	15.2	15.3	15.9	15.7	15.3	14.3	14.2	15.6	14.9	14.1	15.1	16.4	17.9	20.7	22.5	24.0	23.3	21.3	21.0	18.7	16.7	17.3
15Q	15.9	15.1	14.1	15.4	15.1	15.6	16.6	14.4	14.7	19.5	17.0	14.5	15.1	12.1	11.0	14.0	18.7	22.2	22.6	21.0	18.3	16.8	16.3	16.2	16.3
16	15.1	15.6	15.7	15.8	16.0	16.0	15.9	15.6	15.8	13.0	13.8	13.7	12.5	11.8	11.1	21.1	25.8	25.1	25.6	23.2	19.7	18.3	18.1	16.6	17.1
17	15.6	13.0	14.1	13.8	11.8	13.4	15.6	18.1	16.2	14.7	15.1	14.8	13.6	12.1	11.1	12.7	17.7	20.4	21.0	20.6	19.9	20.8	22.0	18.3	16.1
18D	12.5	9.1	12.1	6.5	9.4	5.9	-1.9	5.2	20.8	15.5	14.0	32.7	20.3	16.6	26.2	22.9	21.0	23.2	20.8	19.7	18.0	16.9	16.1	16.5	15.8
19	16.1	16.0	14.4	8.7	14.7	16.9	18.8	16.5	18.4	18.3	17.5	23.2	23.7	20.2	18.5	21.5	23.7	24.8	22.9	20.2	19.3	17.3	17.4	17.0	18.6
20	16.5	15.1	10.7	15.1	15.6	16.2	16.0	18.7	15.1	16.1	23.0	27.8	24.3	18.3	15.1	15.8	21.1	23.2	23.2	22.0	20.5	18.3	13.0	15.6	18.2
21	16.0	15.5	16.1	16.4	16.5	16.3	17.3	18.8	15.6	14.2	18.9	16.4	14.8	13.5	14.2	18.1	20.2	20.3	20.2	18.8	17.7	17.5	17.0	16.1	16.9
22	16.0	15.5	15.9	16.0	15.6	16.1	15.5	14.9	10.7	13.1	15.2	13.1	12.1	13.2	14.0	17.6	19.4	25.0	26.0	26.1	22.9	25.5	24.8	25.6	17.9
23D	20.1	12.8	13.0	13.3	14.2	15.8	16.4	16.2	11.6	12.3	11.0	10.5	12.4	12.0	13.2	19.9	24.6	23.2	25.9	25.6	23.5	26.5	23.2	22.9	17.5
24D	13.9	10.7	11.7	12.0	4.0	2.1	14.5	11.5	6.0	12.6	15.8	17.3	30.1	25.0	20.2	21.2	24.2	31.2	25.8	23.7	23.8	18.6	17.1	15.6	17.0
25	13.9	14.9	7.5	5.4	11.3	27.2	23.7	18.1	21.9	15.4	20.2	20.2	21.9	14.6	17.2	17.2	19.1	21.1	20.2	18.8	17.4	16.4	16.2	16.5	17.3
26	16.7	15.6	16.4	16.5	17.3	16.3	19.1	19.8	21.9	13.5	12.4	12.0	12.1	13.0	14.3	18.2	25.5	25.7	25.3	24.0	19.9	16.8	15.7	15.4	17.6
27	15.2	15.1	15.7	14.8	18.5	20.2	17.4	16.3	12.8	25.3	15.5	12.2	10.2	12.1	16.1	26.5	24.8	23.3	22.1	20.1	18.4	17.1	16.4	16.0	17.6
28	15.6	15.8	11.2	14.8	15.0	18.9	17.4	17.1	17.1	16.7	17.1	15.6	13.7	12.1	12.2	16.2	19.8	21.3	21.6	20.2	18.5	17.5	16.6	15.6	16.6
29	15.6	15.4	15.0	14.9	15.7	16.0	16.1	16.1	15.2	15.5	14.8	16.8	13.6	11.2	12.8	15.5	17.9	21.4	21.8	20.3	18.2	16.0	17.1	18.1	16.3
30	16.6	13.1	7.5	10.5	4.6	17.8	17.4	16.6	18.4	16.8	15.6	14.1	13.0	13.8	18.3	19.0	19.5	21.0	21.6	20.4	20.2	18.1	18.3	16.8	16.2
31	15.8	14.7	14.6	15.1	16.1	16.1	17.1	14.7	16.0	15.4	19.6	15.1	12.9	16.4	20.2	21.6	24.8	26.5	26.7	23.8	24.0	21.0	18.1	15.6	18.4
Mean	15.3	13.7	13.7	13.3	14.4	15.8	15.7	15.3	15.3	15.1	15.4	15.9	15.5	14.5	15.2	17.9	20.7	22.7	22.7	21.4	19.8	18.3	17.4	16.7	16.7

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 39. Agincourt. (Z.) 56,000 γ + October, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	219	223	210	146	049	111	166	084	075	089	141	182	198	204	199	199	197	229	227	219	211	216	211	205	176
2	205	199	187	194	181	176	193	200	201	201	201	203	204	204	201	199	199	199	199	202	205	212	217	229	200
3 D	224	211	194	205	191	171	137	140	162	187	200	204	204	203	200	201	199	199	199	206	210	227	255	276	200
4	252	202	206	220	196	160	174	181	194	198	197	198	199	200	199	199	200	201	207	211	210	211	210	206	201
5	206	205	205	193	181	194	199	199	199	196	199	199	199	202	199	197	197	199	204	206	211	211	206	207	201
6	206	203	201	200	189	175	187	182	159	142	156	174	190	194	195	188	193	200	209	205	205	206	206	206	190
7	206	206	212	177	153	153	153	161	161	161	153	153	141	135	194	200	200	199	200	203	206	206	208	208	181
8	209	200	205	205	171	156	142	148	171	171	177	171	171	171	194	194	193	193	194	200	202	205	210	212	186
9 Q	211	209	207	205	206	182	182	188	198	200	201	201	201	201	200	200	198	198	196	196	200	200	202	201	199
10 Q	201	200	200	189	188	195	197	194	196	200	200	200	201	201	200	196	194	194	197	200	204	204	202	202	198
11	201	200	201	200	201	195	177	185	189	191	195	198	197	196	197	197	195	196	199	201	202	202	201	201	197
12 Q	200	200	199	198	198	198	198	198	198	198	198	198	198	197	195	192	189	193	195	199	199	200	198	198	197
13 Q	199	199	199	198	198	198	198	197	195	194	195	196	198	199	199	194	189	190	197	201	203	202	201	201	197
14	201	200	200	199	199	195	195	196	195	195	195	196	197	197	196	192	192	196	202	207	213	212	207	204	199
15 Q	202	202	200	196	196	196	191	195	195	194	189	195	195	198	200	199	199	202	206	206	206	202	200	201	199
16	201	200	199	199	199	199	197	196	192	191	195	196	199	199	198	200	201	208	212	211	211	208	206	205	201
17	205	202	202	198	190	194	198	198	195	195	196	201	202	201	201	197	198	198	199	203	207	208	212	218	201
18 D	220	209	232	223	219	143	131	136	156	179	179	157	171	185	190	195	209	218	212	208	207	206	207	208	192
19	208	206	202	188	190	193	194	197	190	189	191	183	183	190	193	197	197	203	210	208	207	204	204	205	197
20	207	212	197	201	202	202	190	155	143	149	154	155	162	194	194	187	190	195	201	203	209	210	209	207	189
21	209	208	207	203	202	202	199	191	193	193	193	190	194	193	193	191	192	196	202	202	206	203	202	202	199
22	202	201	200	199	198	188	181	179	178	184	187	200	202	201	200	190	190	192	202	210	213	219	234	264	201
23 D	273	245	230	217	209	207	208	205	196	171	160	187	182	186	184	182	186	202	213	233	249	262	304	326	217
24 D	316	290	261	207	168	100	066	044	109	161	145	156	162	160	179	182	197	233	225	220	230	229	212	214	186
25	215	224	168	204	194	110	140	176	192	182	174	195	191	200	200	204	207	211	211	211	211	210	208	208	194
26	208	203	198	202	203	197	191	179	174	194	204	204	202	197	196	201	206	210	213	216	214	212	210	208	202
27	208	205	205	198	196	192	201	204	194	155	139	188	192	197	199	200	204	205	208	209	209	206	206	206	197
28	206	208	203	200	197	197	202	203	203	202	203	205	208	208	207	203	204	210	210	210	209	205	204	203	205
29	200	200	200	199	199	198	198	198	198	199	199	200	203	204	203	200	201	204	205	205	208	208	207	214	202
30	222	232	221	162	186	187	187	203	205	207	208	208	209	205	204	203	199	202	204	206	212	220	219	215	205
31	215	215	214	210	205	192	180	195	204	199	201	201	199	200	193	188	192	200	205	211	216	245	228	218	205
Mean	215	210	205	198	189	179	179	178	181	183	185	190	192	194	197	196	197	202	205	207	210	212	213	215	197

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 40. Agincourt — October, 1954.

Day	Horizontal Force						Declination						Vertical Force					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +		Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	4	44	581	4	0	429	152	4	58	45.6	3	4	-26.4	72.0	17	55	256	4	30	-10	266
2	1	58	559	16	13	488	71	4	35	22.9	1	43	3.0	19.9	23	53	246	5	13	170	76
3 D	20	52	557	5	29	453	104	18	10	27.0	1	26	-2.4	29.4	23	45	293	7	30	124	169
4	12	6	540	1	51	421	119	5	29	26.5	1	55	-14.7	41.2	0	15	282	2	33	135	147
5	20	48	549	16	58	500	49	18	0	24.5	12	56	12.7	11.8	20	47	222	3	36	175	47
6	11	30	549	15	26	466	83	17	14	31.1	4	16	5.6	25.5	18	40	212	9	42	136	76
7	3	50	547	17	13	473	74	18	12	24.4	3	10	6.1	18.3	0	30	227	12	15	100	127
8	11	0	540	13	10	501	39	13	30	23.7	1	5	6.7	17.0	0	50	253	4	50	132	121
9 Q	18	40	545	16	6	508	37	5	9	24.7	7	14	11.5	13.2	0	8	212	6	21	177	35
10 Q	3	33	549	15	55	505	44	18	11	22.0	3	15	4.1	17.9	20	33	206	4	0	179	27
11	19	55	545	16	15	514	31	13	6	21.8	7	28	11.5	10.3	4	30	205	6	27	170	35
12 Q	23	5	550	15	47	511	39	18	0	22.1	14	10	10.4	11.7	0	50	200	16	30	188	12
13 Q	21	55	554	16	9	501	53	19	11	22.9	13	36	12.0	10.9	21	55	206	16	35	188	18
14	7	42	548	15	35	508	40	19	2	25.2	12	23	13.4	11.8	20	57	217	16	3	189	28
15 Q	22	33	550	16	35	503	47	18	5	23.3	14	29	10.1	13.2	18	30	207	10	17	184	23
16	10	54	550	15	34	474	76	16	12	28.2	14	11	9.3	18.9	18	22	213	9	2	189	24
17	20	46	548	16	23	497	51	22	32	22.9	4	4	9.4	13.5	23	36	219	5	32	188	31
18 D	10	42	548	16	50	447	101	11	39	41.9	6	6	-8.5	50.4	2	6	240	5	53	86	154
19	21	30	551	15	16	443	108	11	39	27.0	3	39	2.0	25.0	20	3	213	11	58	171	42
20	2	35	561	17	24	504	57	11	29	28.7	2	20	-5.7	34.4	2	15	225	8	10	137	88
21	11	1	543	15	44	513	30	7	4	24.7	13	36	12.3	12.4	1	10	209	6	29	189	20
22	10	46	550	16	55	507	43	19	15	28.2	8	20	9.9	18.3	23	47	278	8	6	171	107
23 D	22	1	550	22	17	481	69	22	10	35.0	10	34	6.4	28.6	23	7	356	10	12	143	213
24 D	19	35	531	3	37	398	133	17	29	33.7	5	13	-7.2	40.9	0	14	345	7	7	25	320
25	1	48	554	5	39	409	145	6	5	32.0	2	18	1.9	30.1	1	21	244	5	6	85	159
26	1	42	550	15	43	492	58	16	55	26.7	1	36	9.7	17.0	19	38	220	8	17	166	54
27	7	54	554	15	35	486	68	9	43	35.2	13	2	8.0	27.2	20	40	214	10	20	102	112
28	2	14	545	16	22	497	48	18	11	22.1	2	10	5.5	16.6	18	1	213	4	7	192	21
29	8	45	546	15	32	497	49	17	43	22.1	13	45	10.8	11.3	23	59	220	7	58	197	23
30	10	46	538	3	50	459	79	5	48	24.3	2	52	-7.9	32.2	1	57	238	3	30	135	103
31	6	10	550	15	25	483	67	18	03	29.1	12	1	11.8	17.3	21	46	260	6	15	171	89
Mean			549			479	70			27.4			4.2	23.2			237			148	89
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, 1954.

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	523	521	515	528	514	516	540	530	531	530	535	543	539	529	501	480	520	525	506	512	504	515	519	514	520
2 D	492	508	496	500	532	522	520	522	525	520	524	530	519	490	505	517	516	515	513	516	525	520	517	514	515
3 D	508	526	524	512	503	502	501	511	508	533	536	536	529	523	513	498	505	520	525	531	529	531	531	530	519
4	529	529	531	530	527	535	531	531	534	525	524	529	533	523	514	510	506	514	525	531	536	539	540	531	527
5	515	520	516	514	515	527	530	526	522	536	539	537	530	525	518	510	511	513	515	524	531	535	535	534	524
6	524	526	521	517	525	522	529	524	529	531	535	538	535	525	521	520	519	519	515	526	526	530	530	530	526
7	531	527	534	536	534	539	540	539	539	540	542	542	540	534	528	526	527	530	534	539	541	542	540	537	536
8	535	534	535	537	538	540	540	540	541	544	547	546	543	536	526	519	520	527	535	539	539	539	540	541	537
9 Q	540	539	536	531	535	540	536	539	544	545	545	545	544	537	527	515	520	528	537	533	539	539	538	535	536
10 Q	530	526	532	533	532	531	535	536	537	539	539	541	540	535	530	524	520	521	531	538	541	543	544	544	534
11	544	541	536	543	538	541	542	544	545	541	545	546	542	530	525	515	516	524	535	544	546	549	551	550	539
12	550	545	540	532	543	544	544	543	545	545	546	539	531	531	532	521	517	520	530	533	535	542	540	541	537
13	539	532	534	536	540	538	541	541	542	542	542	542	538	527	519	513	516	527	541	547	545	546	544	541	536
14	536	535	535	534	541	541	541	540	540	541	544	544	542	536	532	522	523	527	534	537	540	539	532	525	536
15 Q	533	536	537	537	536	539	539	541	541	540	540	540	537	531	527	528	531	535	538	549	546	545	545	543	538
16 Q	541	540	540	539	539	539	540	541	541	543	543	544	542	538	533	531	531	535	543	547	552	553	552	551	542
17 Q	550	549	547	545	542	544	545	546	551	549	548	551	548	543	541	538	536	537	543	549	550	550	552	549	546
18	547	543	546	546	546	545	545	549	549	550	555	558	556	552	544	546	546	554	563	564	562	563	555	548	551
19	546	542	534	521	520	528	537	538	541	544	545	547	545	540	534	532	521	531	535	527	531	526	535	537	535
20 D	535	525	521	521	524	526	530	521	532	535	539	554	545	525	536	528	521	521	525	523	530	535	536	535	530
21	531	526	524	522	530	531	532	535	536	537	540	540	538	525	523	521	521	527	532	540	540	536	529	526	531
22	533	532	528	532	529	523	526	523	513	539	541	540	539	533	530	524	523	526	532	538	543	544	544	543	532
23	543	543	535	534	531	538	537	540	540	542	542	546	550	545	532	505	503	533	533	528	539	532	535	536	535
24	530	530	532	529	534	530	534	539	544	542	543	548	544	536	532	530	530	537	542	540	549	550	551	552	539
25	551	550	546	537	542	539	543	545	548	551	555	554	558	554	549	544	541	543	553	557	556	556	555	543	549
26	550	551	552	547	541	542	548	549	552	554	556	557	559	559	551	538	532	533	543	553	559	556	556	550	550
27	552	549	548	544	536	538	547	556	557	561	563	561	559	550	541	533	528	540	547	547	559	564	563	559	549
28	555	549	547	547	548	551	552	553	555	556	557	557	552	554	547	537	531	531	538	542	545	547	546	547	548
29	549	552	551	551	550	551	552	550	553	552	552	556	558	552	533	527	551	547	552	550	562	561	554	543	550
30 D	534	544	548	540	552	528	542	544	547	549	552	550	544	542	540	533	532	527	527	540	555	556	557	539	542
31																									
Mean	536	536	534	532	534	534	537	538	539	542	544	545	542	535	529	523	524	529	534	538	542	543	542	539	536

MAGNETIC DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42. Agincourt. (D.) West. 7° + . . . ′. November, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	14.3	13.1	4.6	8.2	13.0	13.3	12.0	14.5	15.3	19.1	18.6	15.4	14.6	17.4	19.1	26.4	26.3	22.7	25.5	26.2	24.6	21.7	17.6	13.9	17.4
2 D	11.5	5.6	5.8	10.0	9.6	9.0	14.0	16.2	15.7	18.0	18.3	14.7	16.8	23.2	23.7	18.0	18.4	21.1	21.1	20.0	18.3	18.3	17.3	16.5	15.9
3 D	13.5	9.4	13.7	11.1	18.5	11.0	17.1	22.4	26.0	16.6	13.7	14.0	13.5	13.6	14.4	17.6	20.2	22.0	21.2	18.7	18.1	16.6	16.1	61.1	16.5
4	14.8	14.6	15.6	15.5	15.1	16.1	16.7	16.4	16.4	15.9	17.4	16.8	15.1	14.2	15.5	18.1	19.5	21.0	20.2	19.1	18.1	17.1	16.3	16.5	16.7
5	14.1	13.6	12.9	15.7	16.1	17.5	17.1	15.8	23.8	18.9	14.4	14.4	16.4	13.8	14.0	15.7	17.1	17.6	18.5	17.9	16.8	16.3	16.1	16.1	16.3
6	14.1	14.8	14.1	15.8	16.5	14.3	14.8	15.3	15.6	15.6	14.0	14.6	15.0	14.7	15.9	16.8	19.0	19.8	20.2	19.1	18.8	18.3	17.1	15.1	16.2
7	14.8	13.9	14.9	15.4	16.5	17.1	16.6	16.1	15.5	15.6	15.1	14.5	14.4	13.1	13.5	15.7	17.5	19.0	19.0	18.2	17.5	15.9	15.9	15.9	15.9
8	15.1	12.7	15.7	16.1	16.2	16.2	16.1	16.1	15.8	15.4	13.9	13.7	13.8	13.6	15.1	17.0	19.8	21.8	22.4	21.0	17.9	16.6	16.2	15.8	16.4
9 Q	15.6	15.4	15.6	14.4	15.4	16.1	15.4	15.4	15.4	14.8	14.5	14.1	13.6	12.8	13.1	15.6	17.7	19.1	20.0	19.2	17.5	16.7	16.0	16.0	15.8
10 Q	15.0	14.2	15.5	15.6	16.0	15.6	16.5	16.4	15.9	15.6	15.8	14.8	14.0	13.0	13.5	15.5	17.3	18.1	18.5	17.8	16.7	16.5	15.9	15.5	15.8
11	15.5	15.4	15.6	12.9	15.2	16.2	16.3	16.1	15.4	16.3	16.5	12.8	12.7	14.1	13.2	15.8	19.1	21.2	22.0	19.8	17.5	16.3	15.6	14.9	16.1
12	14.1	14.1	14.8	9.9	13.7	15.6	16.7	15.9	15.8	14.9	13.8	13.1	13.9	13.9	14.6	16.1	18.3	20.5	21.9	22.1	20.3	19.1	16.7	15.4	16.0
13	14.5	13.5	14.4	14.8	15.0	16.3	16.3	15.7	15.4	14.6	14.1	13.9	13.0	12.4	12.9	15.0	17.3	18.8	19.4	18.7	17.4	15.9	15.9	15.2	15.4
14	14.2	15.6	14.6	13.0	14.6	16.8	16.3	15.6	15.5	15.8	15.0	14.2	13.2	12.2	12.5	16.2	20.6	22.0	22.7	22.2	20.2	17.8	15.5	13.5	16.2
15 Q	15.1	14.7	14.9	15.3	15.8	16.2	16.3	16.2	16.1	15.8	15.6	15.1	14.6	14.1	14.6	16.5	18.4	19.2	19.3	18.1	16.9	16.7	16.1	15.6	16.1
16 Q	15.3	15.0	15.0	15.1	15.3	15.6	15.7	15.6	15.5	15.3	15.0	14.7	14.2	13.9	14.3	15.7	17.6	18.8	19.2	18.8	17.8	16.8	15.8	15.1	15.9
17 Q	14.8	14.7	14.9	14.8	14.9	14.9	15.0	15.1	15.1	14.7	14.8	14.8	14.8	14.9	14.0	15.7	17.0	18.0	18.4	17.6	17.1	16.3	16.0	15.6	15.6
18	15.5	14.8	14.5	14.7	15.1	15.3	15.2	15.2	15.2	14.8	14.1	13.6	13.1	12.8	14.7	16.5	17.8	17.2	17.1	16.6	16.8	17.0	16.8	16.3	15.5
19	16.1	15.8	15.8	8.0	13.3	14.4	15.2	15.4	15.1	14.2	14.4	14.7	14.5	13.2	14.0	15.9	19.2	21.5	20.2	20.9	22.1	19.4	18.5	17.5	16.2
20 D	16.1	14.5	15.0	12.7	14.5	14.1	16.7	19.1	17.4	12.1	11.3	12.8	13.9	21.9	22.3	21.0	21.0	21.4	21.7	21.7	21.2	18.6	16.8	15.5	17.2
21	15.6	14.1	10.3	15.3	15.8	16.3	16.4	16.5	15.6	17.9	14.7	14.8	14.7	15.6	17.9	18.4	18.7	19.1	19.2	17.6	16.3	16.1	17.2	12.0	16.1
22	15.8	17.3	17.3	15.6	17.2	18.2	18.3	20.0	25.6	18.5	17.3	16.7	15.9	15.5	13.8	16.4	19.9	21.3	21.2	19.5	17.3	16.1	15.4	15.2	17.7
23	14.8	14.1	13.7	13.9	15.6	22.6	15.2	16.3	15.7	15.6	15.9	14.8	12.4	12.0	13.0	19.2	31.4	28.3	23.5	23.4	22.2	20.9	18.0	15.5	17.8
24	14.8	13.8	16.3	14.7	15.8	15.6	19.3	18.8	15.5	14.8	15.6	14.8	14.2	14.0	15.6	17.4	20.5	20.7	20.0	17.9	16.6	16.3	15.6	15.4	16.4
25	15.4	15.5	15.8	15.7	16.3	15.2	16.7	19.2	15.2	14.7	14.3	16.6	17.5	12.9	13.8	16.9	19.2	20.7	20.3	19.3	17.0	15.9	16.5	15.8	16.5
26	14.7	15.2	15.2	15.3	14.7	16.2	16.7	16.7	18.0	15.8	14.7	13.8	16.5	14.1	13.5	16.2	18.3	19.3	19.1	18.6	18.1	18.3	18.0	17.1	16.4
27	16.3	15.4	15.4	15.4	14.0	17.1	17.3	16.8	16.1	15.3	14.5	14.7	14.5	14.1	14.0	16.1	18.3	18.9	20.1	20.0	18.1	15.6	15.0	14.5	16.1
28	14.5	14.9	15.1	14.5	15.0	15.3	15.6	15.7	15.6	15.2	14.7	15.6	19.3	18.4	13.5	13.5	16.6	18.9	19.3	18.6	18.1	17.2	17.1	13.8	16.1
29	14.3	14.1	14.3	15.0	15.0	15.3	15.3	15.1	15.1	15.0	14.9	16.1	16.4	13.8	14.9	19.1	20.1	20.2	20.2	20.2	20.2	16.9	15.7	15.8	16.4
30 D	13.9	13.3	13.3	11.0	19.1	11.0	16.5	16.2	15.4	14.7	14.7	14.2	15.1	13.8	14.7	16.1	18.3	20.0	21.1	19.3	18.1	17.0	15.8	15.0	15.7
31																									
Mean	14.8	14.1	14.2	13.8	15.3	15.5	16.1	16.5	16.7	15.7	15.0	14.6	14.7	14.6	15.0	17.0	19.3	20.3	20.4	19.6	18.4	17.3	16.4	15.4	16.3

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 43. Agincourt. (Z.) 56,000 γ + November, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	214	214	209	191	187	165	170	192	198	198	193	191	191	189	186	203	199	201	206	222	234	228	220	219	201
2 D	247	185	216	199	146	149	195	204	205	198	198	203	198	193	201	192	194	201	206	211	215	217	218	222	200
3 D	221	207	204	195	157	145	143	165	169	191	192	192	194	199	200	198	201	204	205	208	208	207	207	207	192
4	207	207	206	205	205	201	203	205	204	204	201	200	200	199	197	197	199	204	207	208	209	209	205	205	204
5	210	210	211	210	205	201	206	205	196	192	199	202	205	205	205	201	205	208	208	209	209	210	210	207	205
6	208	209	209	210	200	187	185	193	200	205	203	205	205	205	205	205	205	205	207	211	211	212	212	212	204
7	210	210	207	205	205	205	205	205	205	205	204	203	203	202	200	200	200	201	203	206	206	205	204	204	204
8	204	203	203	202	202	202	202	202	202	202	200	200	200	200	199	193	193	194	196	200	207	208	206	205	201
9 Q	204	204	205	205	205	205	204	204	204	200	200	200	200	199	195	194	194	196	199	202	204	205	205	205	202
10 Q	205	207	205	205	203	202	203	204	204	202	202	202	202	200	197	189	189	191	195	201	201	201	201	200	201
11	199	199	199	193	194	198	199	199	199	199	197	197	199	199	196	192	192	193	198	205	205	202	200	199	198
12	198	198	199	194	177	197	198	199	200	199	198	197	195	193	190	186	186	192	197	201	204	203	202	202	196
13	202	202	201	199	196	199	199	199	199	198	198	198	199	199	198	198	202	204	204	204	201	200	200	200	200
14	201	203	204	203	200	200	200	200	200	200	200	200	199	198	194	188	192	195	200	201	203	204	206	210	200
15 Q	206	203	201	200	200	200	200	200	200	200	200	200	200	200	194	188	188	191	195	200	200	199	199	199	199
16 Q	199	199	199	198	198	198	198	198	198	197	197	197	197	197	195	193	191	194	196	197	197	197	196	196	197
17 Q	196	196	196	195	195	195	195	195	195	194	194	194	194	193	190	187	189	192	195	197	196	196	196	195	194
18	195	196	196	195	195	195	195	195	195	194	194	193	193	191	189	189	190	192	194	194	194	195	194	195	194
19	197	199	206	207	200	200	200	200	201	197	195	195	195	194	193	188	187	194	197	201	206	211	211	207	199
20 D	205	206	211	201	209	204	197	179	160	171	178	181	184	188	190	193	195	202	209	213	213	211	208	206	197
21	207	207	207	207	205	204	204	204	201	201	201	201	201	201	202	198	198	198	204	207	206	204	205	208	203
22	205	205	201	197	197	197	194	195	181	189	197	197	199	199	194	191	191	194	196	201	201	198	198	198	196
23	198	198	198	197	197	181	190	195	196	196	196	196	196	193	188	188	194	196	199	204	208	207	207	208	197
24	206	203	201	202	199	199	199	195	196	196	197	197	195	196	194	186	189	192	197	201	201	198	198	197	197
25	196	195	195	198	196	195	196	194	195	195	195	194	191	192	188	185	186	190	195	196	196	195	196	199	194
26	198	198	198	195	195	195	195	195	195	195	195	195	195	190	188	187	189	194	200	202	201	198	198	200	196
27	202	199	198	200	200	199	197	197	196	196	195	193	193	194	192	190	192	196	198	202	206	197	196	196	197
28	195	195	196	196	196	196	196	196	196	195	193	192	190	187	185	186	190	192	198	202	206	204	205	205	195
29	202	197	196	196	196	196	195	195	196	195	195	192	190	190	185	193	193	193	198	201	202	202	205	208	196
30 D	210	208	205	197	152	175	195	202	203	202	202	199	202	202	196	190	192	192	200	205	206	205	205	207	198
31																									
Mean	205	202	203	200	194	193	195	197	196	197	197	197	197	196	194	192	193	196	200	204	205	204	204	204	199

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 44. Agincourt — November, 1954.

Day	Horizontal Force						Declination						Vertical Force					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	7° Maximum West +			7° Minimum West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	6	21	550	15	7	449	101	15	7	26.5	2	51	-5.0	31.5	20	22	245	5	43	157	88
2 D	1	14	591	1	0	410	181	1	1	23.6	1	13	0.1	23.5	1	12	320	1	25	84	236
3 D	1	26	549	7	49	484	65	16	58	23.1	1	27	6.8	16.3	1	21	232	6	39	122	110
4	22	39	544	16	33	502	42	17	3	21.2	5	0	11.3	9.9	0	38	210	14	42	193	17
5	9	54	546	15	24	509	37	8	48	26.0	2	50	10.6	15.4	2	8	213	9	17	189	24
6	6	18	539	18	17	509	30	18	15	21.0	0	57	12.1	8.9	21	22	216	6	24	181	35
7	10	37	545	1	25	521	24	17	58	19.2	13	25	12.9	6.3	1	40	211	15	57	199	12
8	10	18	549	15	50	516	33	18	52	23.0	1	31	10.8	12.2	21	10	211	16	2	193	18
9 Q	9	8	547	15	51	510	37	18	11	20.5	3	55	11.2	9.3	4	9	207	15	23	193	14
10 Q	22	58	545	17	8	517	28	18	36	19.0	13	40	12.2	6.8	1	30	209	16	26	187	22
11	21	50	552	15	42	512	40	18	0	22.5	3	28	10.3	12.2	19	22	205	3	50	187	18
12	4	14	552	16	53	511	41	20	5	22.7	3	57	2.2	20.5	20	58	207	3	19	169	38
13	19	51	552	15	43	510	42	18	32	20.0	13	52	11.5	8.5	16	49	206	3	44	194	12
14	4	12	543	15	22	522	21	19	6	23.5	3	54	9.0	14.5	23	30	212	15	0	193	19
15 Q	19	36	551	14	42	524	27	18	18	19.8	14	41	13.5	6.3	0	1	207	15	55	187	20
16 Q	22	18	554	16	12	531	23	18	18	19.4	14	41	13.1	6.3	1	25	200	16	10	188	12
17 Q	22	3	556	16	35	533	23	18	35	18.8	14	11	13.6	5.2	19	56	200	15	2	187	13
18	21	52	573	14	36	536	37	16	10	18.5	13	12	11.7	6.8	21	49	200	17	28	188	12
19	11	37	550	2	40	505	45	17	19	22.2	3	29	0.5	21.7	22	15	213	15	40	185	28
20 D	11	46	559	7	40	511	48	13	55	24.8	10	4	10.2	14.6	19	57	216	8	44	150	66
21	20	5	545	13	59	518	27	17	40	20.2	23	58	5.6	14.6	2	8	212	9	39	196	16
22	22	15	549	8	20	494	55	8	15	28.5	3	25	12.9	15.6	0	1	209	8	15	173	36
23	12	4	555	16	15	478	77	16	49	37.7	13	43	9.4	28.3	20	8	213	5	31	169	44
24	23	50	554	1	13	524	30	6	45	22.3	1	48	12.8	9.5	0	32	207	15	10	185	22
25	12	35	562	3	38	533	29	7	20	22.0	13	26	12.0	10.0	23	32	201	16	28	185	16
26	12	27	563	17	13	528	35	17	11	19.8	14	5	12.2	7.6	19	59	207	15	17	186	21
27	11	0	568	16	44	522	46	5	47	21.1	4	50	9.8	11.3	19	55	208	16	37	185	23
28	10	59	561	16	46	524	37	12	35	21.6	23	27	11.0	10.6	23	13	210	15	25	183	27
29	19	8	568	15	0	510	58	15	28	21.8	14	9	12.0	9.8	23	59	210	14	35	184	26
30 D	3	55	581	4	32	518	63	4	24	29.5	3	53	1.2	28.3	0	10	214	4	22	127	87
31																					
Mean			555			509	46			22.7			9.3	13.4			214			176	38
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, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	533	547	546	545	550	550	549	554	555	554	557	556	554	548	542	529	530	535	547	556	560	560	560	553	549
2	550	552	549	545	547	549	549	550	553	555	552	550	549	545	538	535	534	533	544	552	557	557	553	544	548
3	542	544	543	542	546	546	547	550	553	556	557	559	559	553	548	543	541	542	545	550	553	557	552	553	549
4	554	552	552	550	551	550	552	551	554	550	548	557	556	555	554	550	547	547	552	554	562	561	559	556	553
5	555	552	547	549	549	549	551	552	554	554	552	549	549	546	542	533	527	527	538	547	549	552	549	551	547
6	552	552	547	548	548	546	544	547	547	547	555	555	554	550	542	538	534	536	542	551	553	555	556	556	548
7 D	552	556	551	548	551	555	559	560	550	556	558	560	558	556	552	551	544	545	547	545	546	545	547	549	552
8	543	545	533	541	547	537	537	537	537	539	540	540	542	543	547	542	541	543	549	553	556	556	550	545	544
9	545	542	544	533	529	534	536	541	546	552	542	546	547	547	544	539	537	540	547	551	551	553	552	549	544
10 Q	544	544	542	537	539	541	544	547	547	548	550	550	548	546	542	538	538	542	546	548	548	550	550	546	545
11 Q	544	543	544	544	544	546	547	547	547	548	549	550	547	544	542	538	538	539	546	554	558	557	557	555	547
12	554	551	550	546	545	549	543	539	542	548	547	547	548	548	546	543	538	539	555	554	548	555	540	531	546
13	533	534	538	541	543	541	543	544	545	546	543	545	544	542	538	533	533	539	540	538	536	546	545	543	541
14 Q	543	542	543	545	543	543	543	543	543	543	543	543	541	534	525	517	522	533	539	543	547	551	553	552	541
15 Q	550	548	547	548	547	547	546	546	546	547	546	544	543	539	532	523	522	529	538	544	549	553	553	552	543
16 Q	550	548	546	543	545	545	547	548	549	551	551	549	549	546	541	535	538	544	553	554	558	561	560	559	549
17 D	559	558	555	548	548	543	554	536	517	517	540	550	538	538	548	541	528	530	534	535	542	543	536	532	541
18 D	508	517	501	509	514	525	530	531	532	533	535	543	543	541	535	535	528	527	528	535	538	540	525	537	529
19	539	538	533	534	540	540	541	544	549	553	552	549	549	546	540	539	537	535	530	529	529	532	538	537	540
20 D	534	530	529	527	527	540	539	540	544	546	546	545	549	554	555	541	530	528	528	529	536	544	530	543	538
21	545	544	540	535	537	539	542	544	545	546	549	547	546	549	548	537	529	526	524	528	541	548	549	544	541
22	538	534	538	537	539	539	547	546	546	544	541	542	543	543	540	534	531	530	532	534	539	543	543	543	539
23	542	543	540	542	542	542	542	541	545	546	545	548	548	547	548	544	543	540	539	542	548	548	548	548	544
24	546	544	544	542	541	542	544	548	549	548	548	550	552	551	546	544	545	545	545	551	555	557	557	552	548
25	547	546	546	545	547	548	548	545	550	554	551	549	548	544	534	533	535	534	534	540	541	540	546	544	544
26	542	539	535	534	537	540	544	549	552	551	549	549	548	540	534	526	531	539	552	557	560	560	565	559	545
27 D	537	523	524	533	536	542	543	550	549	548	550	554	549	540	544	540	535	538	540	542	447	548	539	540	541
28	533	540	531	533	551	538	542	544	545	545	545	543	549	549	543	535	528	537	544	551	557	560	559	557	544
29	552	549	547	545	546	549	547	549	552	551	545	549	555	550	537	530	536	548	556	556	555	550	549	545	548
30	544	541	539	539	540	541	541	545	546	553	549	556	557	544	535	532	542	554	560	564	563	560	552	551	548
31	555	552	550	548	544	544	545	547	548	549	550	546	545	533	524	524	540	553	562	564	563	560	558	558	548
Mean	544	544	541	541	542	543	545	546	546	548	548	549	549	546	541	536	535	538	543	547	550	552	549	548	545

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

Table 46. Agincourt. (D.) West. 7° + . . . ′ December, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	12.1	14.1	14.0	14.1	17.6	16.5	16.7	16.1	16.1	15.6	15.1	14.9	14.7	13.3	13.4	15.6	18.3	19.8	19.4	18.1	16.7	16.1	15.6	15.0	15.8
2	14.6	14.0	15.0	15.8	16.1	16.7	16.6	17.0	15.6	15.6	14.2	16.1	16.5	14.1	14.3	16.1	18.3	20.0	20.1	18.5	17.1	16.4	16.6	15.2	16.3
3	12.9	15.1	14.7	14.7	15.3	16.5	16.5	16.7	16.1	15.1	14.2	13.9	13.7	13.2	14.2	15.5	16.5	17.4	17.0	17.4	16.6	16.1	16.1	16.0	15.5
4	15.5	15.1	15.1	15.2	15.6	15.6	16.0	16.0	16.0	14.5	16.1	17.9	16.1	13.7	14.8	15.2	16.9	18.3	19.8	19.1	17.9	17.4	16.2	15.5	16.2
5	15.2	15.3	14.2	15.2	15.1	15.7	16.1	16.2	16.1	16.0	15.6	15.5	15.4	14.7	14.0	15.6	20.0	22.1	22.1	20.5	18.7	17.5	16.4	15.6	16.6
6	15.4	14.6	14.8	14.9	14.9	14.9	14.7	15.2	15.3	16.2	15.7	14.6	14.7	13.4	12.8	13.8	16.1	17.5	18.8	18.3	17.1	16.5	16.1	16.5	15.6
7 D	12.0	14.5	14.7	14.5	14.7	14.0	16.1	13.4	13.0	14.5	14.7	15.7	14.2	13.0	12.1	13.8	16.1	18.3	18.8	19.2	18.8	19.2	15.2	14.7	15.2
8	14.7	14.5	15.2	15.0	15.5	15.9	16.1	16.0	15.9	15.8	14.6	14.3	14.8	14.7	15.7	17.0	18.5	19.0	18.4	18.0	17.8	17.5	17.2	16.7	16.2
9	15.8	15.2	14.9	15.9	16.6	16.0	16.7	17.2	18.0	14.3	15.0	15.8	15.2	15.3	17.1	18.3	18.7	19.1	18.5	18.2	17.6	16.8	16.6	15.9	16.6
10 Q	15.6	15.9	16.3	16.0	16.7	17.3	18.7	19.4	16.5	15.4	14.9	15.8	15.4	15.0	14.9	16.2	17.0	17.6	17.1	17.0	17.0	16.6	16.0	15.8	16.4
11 Q	15.5	14.9	15.4	15.8	16.0	16.1	16.4	16.3	16.2	15.9	15.8	15.6	15.3	14.8	14.4	15.4	17.1	18.6	18.8	18.0	17.3	16.7	15.9	15.5	16.2
12	15.0	15.0	15.3	15.8	16.0	17.5	15.6	17.0	17.5	14.0	13.7	14.9	15.2	14.0	14.5	16.7	18.5	20.9	22.0	21.1	19.0	20.2	20.0	19.4	17.0
13	15.9	13.8	14.0	15.1	17.1	17.3	17.1	17.0	16.6	16.0	15.7	16.0	15.8	15.0	14.9	16.8	18.1	19.7	20.8	21.0	19.4	19.4	19.3	18.5	17.1
14 Q	16.6	15.3	15.5	16.8	16.5	16.8	17.0	17.0	16.8	16.7	16.7	16.7	16.0	14.8	15.1	17.3	19.4	21.1	20.9	19.6	18.4	17.4	16.7	16.2	17.1
15 Q	15.8	15.9	15.8	16.3	16.1	16.2	16.4	16.5	16.4	16.3	16.0	16.0	16.0	15.8	15.6	16.7	19.1	20.6	20.9	20.0	18.5	17.5	16.7	16.1	17.0
16 Q	15.8	15.5	15.7	16.0	15.8	16.2	16.7	16.7	16.5	16.0	15.5	15.9	15.3	14.5	14.5	16.5	17.6	19.0	18.8	18.0	17.0	16.2	15.8	15.4	16.3
17 D	15.0	14.4	13.9	15.3	15.8	15.8	14.0	8.8	9.3	9.0	10.9	13.0	25.2	22.0	21.8	19.4	20.9	20.6	21.2	18.6	17.6	17.6	18.3	18.5	16.5
18 D	15.0	9.1	13.8	9.9	15.2	14.2	16.9	17.2	17.4	17.7	18.1	16.0	15.2	15.0	17.1	18.4	19.5	19.5	20.4	19.0	18.2	18.5	16.4	18.2	16.5
19	15.8	14.8	15.0	15.2	16.7	17.2	17.5	17.1	17.0	16.3	15.8	16.7	16.4	14.9	17.7	18.8	18.6	18.9	18.3	18.0	18.6	18.3	18.5	16.1	17.0
20 D	15.1	15.3	14.8	14.9	15.8	15.9	19.4	16.3	15.9	15.9	15.8	17.2	20.4	13.6	12.2	15.1	16.9	18.4	19.4	20.0	18.6	17.1	14.0	14.8	16.4
21	14.9	14.7	14.9	15.3	15.7	15.9	16.6	16.7	16.8	16.7	16.5	16.7	17.0	14.2	14.1	15.6	16.7	17.4	17.7	18.0	18.2	17.2	16.8	16.8	16.3
22	14.9	11.5	15.6	15.7	15.8	16.6	17.0	16.4	16.7	17.4	16.7	16.0	15.4	14.2	13.6	14.7	16.0	17.6	18.4	17.7	17.0	16.8	16.3	15.7	16.0
23	15.0	15.0	15.4	14.8	14.9	15.8	15.9	15.9	16.5	16.7	18.3	16.8	16.6	15.2	13.2	14.6	16.5	18.6	20.1	18.7	17.5	16.4	16.1	15.8	16.3
24	15.9	16.0	16.0	15.8	15.9	15.8	15.8	15.6	15.6	15.7	16.0	15.2	14.0	14.6	15.6	16.3	16.4	17.5	17.8	17.1	16.7	16.2	15.5	15.3	15.9
25	15.5	15.8	15.8	15.9	15.8	16.0	16.0	16.1	17.3	16.0	15.9	16.0	15.0	14.0	15.2	15.8	16.6	18.5	19.2	17.1	16.7	16.7	16.0	15.4	16.2
26	15.0	16.0	16.0	15.7	16.0	16.6	15.9	16.0	16.3	16.5	16.9	15.9	14.8	13.6	14.1	17.2	19.3	20.3	18.7	17.1	15.9	15.6	14.8	15.1	16.2
27 D	15.3	12.1	12.9	17.3	17.2	16.4	15.7	16.0	16.7	16.7	19.5	16.8	18.5	32.5	22.9	20.5	20.5	21.2	20.3	18.3	16.7	17.5	15.8	15.7	18.0
28	15.7	14.9	15.1	14.0	15.7	17.0	16.8	16.6	16.9	17.6	21.1	18.4	14.0	12.9	13.1	16.9	18.0	19.4	19.4	18.5	17.0	15.8	15.2	14.9	16.4
29	15.4	15.9	16.0	16.1	16.8	16.4	16.5	16.7	16.8	16.7	18.1	15.8	14.0	14.1	16.3	18.6	20.8	22.3	21.1	18.6	16.9	15.8	15.3	14.9	16.9
30	14.8	15.2	15.8	15.8	16.7	16.7	15.8	15.9	15.7	14.5	13.2	11.0	12.7	14.9	16.4	19.2	21.5	21.7	20.0	17.1	16.0	16.7	16.3	15.0	16.2
31	15.9	15.5	15.8	15.9	16.2	16.6	16.5	16.5	16.2	16.0	15.7	15.6	15.3	15.0	17.0	19.3	21.2	22.2	20.4	17.8	14.9	15.2	15.2	15.2	16.7
Mean	15.1	14.7	15.1	15.3	16.0	16.2	16.4	16.2	16.1	15.7	15.9	15.7	15.8	15.2	15.2	16.7	18.2	19.5	19.5	18.5	17.5	17.1	16.3	16.0	16.4

TERRESTRIAL MAGNETIC FORCE: VERTICAL COMPONENT

Mean values for periods of sixty minutes, Universal Time

Table 47. Agincourt. (Z.) 56,000 γ + December, 1954.

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	209	206	203	200	192	199	202	202	202	202	200	200	200	196	192	189	190	196	199	202	202	200	200	200	199
2	200	199	199	200	200	200	200	200	200	199	199	199	199	199	197	197	199	203	208	208	207	203	202	202	201
3	202	202	202	202	202	202	202	202	200	198	198	198	197	196	193	190	193	196	199	202	201	200	197	199	199
4	198	198	198	197	197	197	197	196	196	196	196	192	193	195	192	190	191	192	195	199	201	200	199	199	196
5	199	202	202	202	200	199	199	199	199	197	197	197	197	197	197	192	195	201	206	203	203	203	202	201	199
6	200	200	200	197	197	197	197	197	197	197	197	195	197	196	195	195	198	200	202	203	203	203	203	205	199
7 D	202	203	202	205	202	198	196	195	195	200	198	200	198	200	205	200	203	206	208	212	212	212	213	212	203
8	213	214	214	208	197	207	211	211	211	210	210	210	208	207	205	202	201	204	206	207	210	211	213	213	209
9	213	213	209	211	211	208	211	212	210	205	207	208	208	206	202	201	203	207	207	207	208	208	210	210	208
10 Q	208	208	208	209	209	209	206	204	207	207	207	207	207	207	205	202	202	205	206	203	204	204	204	204	206
11 Q	204	204	204	202	202	202	202	202	202	202	202	201	201	201	199	193	193	198	200	200	201	201	200	200	201
12	199	199	199	200	201	198	194	199	197	199	199	200	199	195	192	189	191	196	200	200	203	206	208	218	199
13	224	219	213	210	207	199	199	199	199	204	203	204	204	204	203	202	202	204	205	207	207	212	212	214	206
14 Q	212	212	212	208	206	206	206	206	206	204	203	203	205	205	200	201	202	204	206	208	208	209	208	208	206
15 Q	208	208	208	207	207	207	207	207	206	206	205	205	205	205	204	193	194	199	206	207	207	204	204	202	205
16 Q	202	202	202	201	201	200	200	200	200	199	198	198	198	199	194	192	194	195	198	199	199	198	196	196	198
17 D	196	195	194	195	197	196	175	136	142	146	187	186	182	187	192	184	189	193	198	201	201	201	201	205	186
18 D	215	217	211	198	165	193	200	202	202	199	202	202	202	199	198	194	196	201	205	205	205	204	207	211	201
19	206	205	205	204	204	202	202	202	202	199	197	197	196	196	195	193	192	197	202	204	206	208	206	205	201
20 D	205	206	206	205	202	194	186	194	199	199	199	196	193	191	186	182	188	193	198	199	200	200	203	202	197
21	200	199	198	196	195	195	195	196	196	196	195	194	194	192	188	187	189	193	196	197	200	200	198	198	195
22	199	199	199	199	197	196	193	193	194	195	196	197	198	199	195	193	195	196	195	198	200	200	200	200	197
23	199	199	199	197	196	195	196	197	197	195	195	194	195	193	193	193	191	191	194	198	199	199	199	199	196
24	199	199	199	199	199	199	199	199	197	196	196	196	195	192	190	194	195	196	199	198	195	196	196	196	197
25	197	197	198	197	197	197	197	197	193	192	194	195	195	195	195	197	194	193	197	201	200	201	201	201	197
26	201	201	201	201	201	200	199	199	199	199	199	199	199	199	200	200	198	200	199	196	201	201	200	200	199
27 D	199	217	212	207	201	198	198	199	199	198	196	190	190	182	180	182	184	195	200	202	204	204	205	206	198
28	210	209	206	204	198	200	201	200	200	199	195	193	197	195	194	194	198	201	204	204	200	199	199	198	200
29	198	198	198	199	199	198	198	198	198	198	197	198	197	194	193	196	197	198	201	201	201	200	199	199	198
30	198	198	198	199	198	199	198	198	194	188	188	191	191	191	194	196	200	200	200	200	198	195	195	199	196
31	198	198	198	198	198	198	198	198	198	196	196	196	198	198	198	199	197	198	200	200	196	194	195	195	197
Mean	204	204	203	202	199	200	199	198	198	197	198	198	198	197	196	194	195	198	201	202	203	202	202	203	200

DAILY EXTREMES OF TERRESTRIAL MAGNETIC ELEMENTS

Table 48. Agincourt — December, 1954.

Day	Horizontal Force						Declination							Vertical Force					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ
1	22	39	574	15	55	524	50	4	8	22.5	0	20	10.3	12.2	0	5	210	15	56	186	24
2	20	29	563	16	30	525	38	18	11	20.7	1	12	12.5	8.2	20	30	208	15	0	193	15
3	11	52	564	0	1	534	30	18	12	18.1	0	18	11.0	7.1	7	30	203	14	48	190	13
4	20	56	568	16	10	544	24	18	20	20.2	13	25	12.0	8.2	21	27	202	15	27	187	15
5	0	13	557	17	22	523	34	17	22	22.9	2	32	12.9	10.0	18	22	208	15	48	191	17
6	20	30	562	16	30	532	30	18	40	19.2	14	38	11.0	8.2							
7 D	6	50	564	16	40	538	26	21	25	20.9	0	42	8.6	12.3							
8	20	18	557	2	50	532	25	17	55	19.2	4	22	11.0	8.2	2	30	216	1	35	189	27
9	19	40	555	4	37	527	28	17	42	19.4	13	35	12.6	6.8	1	8	216	15	12	200	16
10 Q	10	27	553	3	40	536	17	7	19	20.3	10	42	14.0	6.3	3	46	211	15	5	201	10
11 Q	20	23	558	17	20	536	22	18	15	19.3	1	9	14.0	5.3	1	5	206	16	2	192	14
12	18	48	561	23	23	528	33	18	9	22.6	10	7	12.8	9.8	23	46	223	15	20	188	35
13	21	57	552	0	31	529	23	19	30	22.0	1	23	12.2	9.8	0	48	228	14	44	199	29
14 Q	22	23	554	16	4	513	41	17	35	21.8	2	47	13.1	8.7	0	1	213	15	0	198	15
15 Q	22	39	554	16	21	519	35	18	27	21.2	2	51	15.1	6.1	2	10	209	16	13	193	16
16 Q	21	44	562	15	15	533	29	17	44	19.5	14	34	14.0	5.5	3	12	203	15	10	192	11
17 D	6	38	569	8	22	504	65	12	22	28.4	8	5	5.0	23.4	23	20	206	9	20	124	82
18 D	12	47	548	0	37	487	61	4	24	24.9	1	28	-2.2	27.1	1	14	248	4	36	158	90
19	9	22	556	21	6	523	33	14	34	20.3	13	41	13.2	7.1	21	25	210	16	15	189	21
20 D	14	11	561	22	32	514	47	12	5	22.7	13	39	10.3	12.4	22	55	207	15	25	177	30
21	14	5	557	18	37	519	38	20	10	18.7	14	4	12.3	6.4	0	54	203	15	1	184	19
22	6	41	554	1	1	525	29	6	40	18.5	1	10	8.7	9.8	20	42	202	6	58	189	13
23	21	13	553	18	33	536	17	18	27	20.4	14	42	12.6	7.8	22	40	201	17	17	190	11
24	22	3	560	3	4	539	21	18	2	18.3	12	23	13.7	4.6	18	51	201	14	5	189	12
25	9	1	555	14	57	526	29	18	33	19.9	13	32	13.0	6.9	20	48	204	17	4	190	14
26	22	39	568	15	21	524	44	17	32	20.8	13	47	12.3	8.5	3	38	203	23	15	193	10
27 D	12	17	561	13	10	505	56	10	19	42.8	1	4	7.2	35.6	1	29	232	13	46	170	62
28	22	20	564	16	22	522	42	10	40	23.0	3	15	11.2	11.8	0	44	213	11	6	190	23
29	18	55	561	15	0	527	34	18	2	23.0	12	19	12.9	10.1	18	50	203	13	50	192	11
30	19	56	569	15	2	529	40	17	1	22.2	11	23	10.2	12.0	19	53	200	9	53	186	14
31	20	45	566	15	23	519	47	17	27	22.9	20	42	14.1	8.8	18	35	201	21	25	192	9
Mean			560			525	35			21.8			11.3	10.5			210			187	23
No. days			31			31	31			31			31	31			29			29	29

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

HORIZONTAL FORCE (gammas) (All Days)

Table 49. Agincourt. 1954.

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	+2	-1	0	0	-1	-1	-3	-2	-2	+2	+4	+5	+4	+2	-3	-9	-10	-7	-1	+5	+7	+7	+5	+3
February	-1	+2	+3	+5	+2	+1	-1	+1	0	+3	+1	+5	+7	+3	-6	-15	-11	-6	-2	+3	+4	+6	+6	+1
March	-1	-1	-1	-1	+2	+3	-1	+1	+1	+2	+5	+5	+1	-5	-10	-16	-15	-8	+1	+8	+12	+12	+10	+2
April	+1	0	0	0	-2	0	0	-3	0	0	0	-2	-4	-12	-20	-21	-14	-4	+6	+12	+17	+18	+13	+7
May	+1	-1	-1	-1	+1	-1	0	-1	-1	-3	-2	-3	-7	-13	-18	-18	-10	+1	+11	+14	+14	+15	+9	+6
June	+4	+4	+1	-1	+1	+1	0	-1	0	0	0	-2	-6	-12	-19	-21	-16	-5	+5	+13	+14	+12	+9	+7
July	+2	+2	0	0	0	+1	0	+2	+1	0	0	-2	-5	-13	-20	-22	-14	-2	+8	+13	+15	+14	+11	+7
August	+2	-1	+2	+3	+2	+5	+3	+5	+2	+2	+2	0	-5	-15	-24	-25	-17	-5	+7	+14	+17	+15	+11	+7
September	+3	+2	+4	+5	+4	0	0	+1	+3	+6	+8	+5	0	-9	-20	-27	-21	-8	+4	+13	+15	+13	+6	+4
October	+1	-1	-1	-1	-4	-3	+2	+2	+4	+8	+12	+11	+6	-2	-12	-22	-20	-13	-1	+7	+9	+8	+7	+5
November	0	0	-2	-4	-2	-2	+1	+2	+3	+6	+8	+9	+6	-1	-7	-13	-12	-7	-2	+2	+6	+7	+6	+3
December	-1	-1	-4	-4	-3	-2	0	+1	+1	+3	+3	+4	+4	+1	-4	-9	-10	-7	-2	+2	+5	+7	+4	+3
Year	+1.1	+0.3	+0.1	+0.1	0.0	+0.2	+0.1	+0.7	+1.0	+2.4	+3.4	+2.9	+0.1	-6.3	-13.6	-18.2	-14.2	-5.9	+2.8	+8.8	+11.2	+11.2	+8.1	+4.6
Winter	0.0	0.0	-0.8	-0.8	-1.0	-1.0	-0.8	+0.5	+0.5	+3.5	+4.0	+5.8	+5.2	+1.2	-5.0	-11.5	-10.8	-6.8	-1.8	+3.0	+5.5	+6.8	+5.2	+2.5
Equinox	+1.0	0.0	+0.5	+0.8	.0.0	0.0	+0.2	+0.2	+2.0	+4.0	+6.2	+4.8	+0.8	-7.0	-15.5	-21.5	-17.5	-8.2	+2.5	+10.0	+13.2	+12.8	+9.0	+4.5
Summer	+2.2	+1.0	+0.5	+0.2	+1.0	+1.5	+0.8	+1.2	+0.5	-0.2	0.0	-1.8	-5.8	-13.2	-20.2	-21.5	-14.2	-2.8	+7.8	+13.5	+15.0	+14.0	+10.0	+6.8

DECLINATION (minutes) (All Days)

Table 50. Agincourt. 1954.

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	+1.2	+1.8	+1.7	+1.3	+0.8	+0.1	-0.3	-0.1	+0.2	+0.8	+1.2	+1.0	+1.6	+2.2	+1.8	-0.3	-2.2	-3.7	-4.1	-3.4	-1.9	-1.0	-0.1	+0.4
February	+1.6	+2.2	+2.4	+2.0	+1.8	+1.4	+0.9	+0.4	+0.5	+0.8	+0.4	+0.4	+2.1	+2.7	+1.8	-0.7	-2.7	-3.7	-4.8	-4.1	-3.2	-2.1	-1.3	+0.8
March	+1.6	+4.0	+3.2	+2.8	+2.4	+1.1	+0.4	-0.5	+0.5	+0.5	+1.7	+2.9	+3.6	+3.4	+2.3	0.0	-3.0	-5.1	-5.9	-5.7	-4.4	-3.4	-2.1	+0.1
April	+1.2	+1.3	+2.7	+1.4	+0.9	+0.5	+0.1	+0.7	+1.6	+3.0	+3.6	+4.5	+5.0	+4.6	+1.9	-1.3	-4.4	-6.1	-6.6	-6.0	-4.8	-3.1	-1.7	+0.8
May	-0.4	+0.9	+1.3	+1.4	+0.6	+1.0	+0.7	+1.3	+2.5	+3.4	+4.0	+5.2	+5.4	+4.0	+2.3	-1.3	-4.2	-5.5	-6.1	-5.7	-4.6	-3.0	-1.9	-1.2
June	-0.7	0.0	+0.8	+0.9	+0.6	+0.6	+0.9	+1.0	+1.4	+2.1	+4.0	+5.9	+6.4	+5.5	+3.7	+0.1	-3.7	-5.8	-6.5	-5.8	-4.8	-3.3	-1.6	-0.7
July	0.0	+0.2	+0.3	+1.3	+1.4	+0.9	+0.5	-0.4	+1.1	+2.1	+3.2	+4.5	+5.5	+5.1	+3.3	-0.6	-3.7	-5.1	-5.3	-5.2	-4.1	-2.7	-1.2	-0.3
August	+1.9	+2.8	+2.0	+2.0	+1.3	+1.0	+0.5	-0.1	-0.2	+1.3	+3.1	+4.7	+6.0	+4.9	+2.0	-1.6	-5.0	-7.2	-7.4	-5.8	-3.8	-1.8	-0.7	+0.6
September	+2.8	+2.8	+2.9	+3.0	+0.9	+1.3	+0.1	+0.6	+1.1	+1.8	+2.6	+3.4	+3.2	+2.8	+0.4	-2.7	-5.9	-7.3	-7.0	-5.2	-2.5	-1.5	-0.2	+1.3
October	+1.4	+3.0	+3.0	+3.4	+2.3	+0.9	+1.0	+1.4	+1.4	+1.6	+1.3	+0.8	+1.2	+2.2	+1.5	-1.2	-4.0	-6.0	-6.0	-4.7	-3.1	-1.6	-0.7	0.0
November	+1.5	+2.2	+2.1	+2.5	+1.0	+0.8	+0.2	-0.2	-0.4	+0.6	+1.3	+1.7	+1.6	+1.7	+1.3	-0.7	-3.0	-4.0	-4.1	-3.3	-2.1	-1.0	-0.1	+0.9
December	+1.3	+1.7	+1.3	+1.1	+0.4	+0.2	0.0	+0.2	+0.3	+0.7	+0.5	+0.7	+0.6	+1.2	+1.2	-0.3	-1.8	-3.1	-3.1	-2.1	-1.1	-0.7	+0.1	+0.4
Year	+1.1	+1.9	+2.0	+1.9	+1.2	+0.8	+0.4	+0.4	+0.8	+1.6	+2.2	+3.0	+3.5	+3.4	+2.0	-0.9	-3.6	-5.2	-5.6	-4.8	-3.4	-2.1	-1.0	+0.3
Winter	+1.4	+2.0	+1.9	+1.7	+1.0	+0.6	+0.2	+0.1	+0.2	+0.7	+0.8	+1.0	+1.5	+2.0	+1.5	-0.5	-2.4	-3.6	-4.0	-3.2	-2.1	-1.2	-0.4	+0.6
Equinox	+1.8	+2.8	+2.0	+2.6	+1.6	+1.0	+0.4	+0.6	+1.2	+1.7	+2.3	+2.9	+3.2	+3.2	+1.5	-1.3	-4.3	-6.1	-6.4	-5.4	-3.7	-2.4	-1.2	+0.6
Summer	+0.2	+1.0	+1.1	+1.4	+1.0	+0.9	+0.6	+0.4	+1.2	+2.2	+3.6	+5.1	+5.8	+4.9	+2.8	-0.8	-4.2	-5.9	-6.3	-5.6	-4.3	-2.7	-1.4	-0.4

VERTICAL FORCE (gammas) (All Days)

Table 51. Agincourt. 1954.

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	+3	+6	+4	+2	+1	0	-2	-4	-4	-4	-3	-2	-2	-2	-5	-7	-5	-2	+1	+3	+4	+3	+4	+4
February	+13	+13	+9	+3	+1	-4	-7	-10	-9	-7	-10	-11	-6	-5	-6	-8	-6	-3	+2	+4	+9	+11	+15	+16
March	+15	+11	+5	+3	-5	-8	-12	-16	-12	-11	-8	-4	-4	-4	-5	-8	-7	-3	+2	+6	+11	+12	+15	+15
April	+15	+12	+5	-9	-11	-11	-12	-11	-6	-3	-2	-4	-6	-6	-6	-8	-7	-3	+1	+7	+12	+16	+19	+18
May	+11	+9	+7	+2	-4	-6	-6	-5	-3	-1	0	-1	-2	-4	-6	-8	-8	-8	-5	0	+6	+9	+11	+11
June	+6	+5	+3	0	0	-2	-5	-3	-1	+1	+1	+1	-1	-3	-5	-7	-6	-7	-5	-1	+3	+5	+7	+8
July	+10	+8	+6	+3	-2	-7	-9	-11	-6	-1	0	-4	-4	-3	-1	-1	-3	-3	0	+4	+6	+9	+10	+11
August	+9	+7	+4	0	-3	-11	-16	-14	-11	-6	-2	-1	-1	-2	-2	-1	0	+2	+4	+7	+10	+12	+11	+10
September	+14	+10	+5	-5	-14	-15	-18	-18	-13	-11	-9	-8	-7	-6	-4	-1	+1	+5	+10	+16	+20	+19	+19	+18
October	+18	+13	+8	+1	-8	-18	-18	-19	-16	-14	-12	-7	-5	-3	0	-1	0	+5	+8	+10	+13	+15	+16	+18
November	+6	+3	+4	+1	-5	-6	-4	-2	-3	-2	-2	-2	-2	-3	-5	-7	-6	-3	+1	+5	+6	+5	+5	+5
December	+4	+4	+3	+2	-1	0	-1	-2	-2	-3	-2	-2	-2	-3	-4	-6	-5	-2	+1	+2	+3	+2	+2	+3
Year	+10.3	+8.3	+5.2	+0.7	-4.2	-7.3	-9.2	-9.6	-7.2	-5.2	-4.1	-3.8	-3.5	-3.7	-4.1	-5.2	-4.3	-1.8	+1.7	+5.2	+8.6	+9.8	+11.2	+11.4
Winter	+6.5	+6.2	+5.0	+2.0	-1.0	-2.5	-3.5	-4.5	-4.5	-4.0	-4.2	-4.2	-3.0	-3.2	-5.0	-7.0	-5.5	-2.5	+1.2	+3.5	+5.5	+5.2	+6.5	+7.0
Equinox	+15.5	+11.5	+5.8	-2.5	-9.5	-13.0	-15.0	-16.0	-11.8	-9.8	-7.8	-5.8	-5.5	-4.8	-3.8	-4.5	-3.2	+1.0	+5.2	+9.8	+14.0	+15.5	+17.2	+17.2
Summer	+9.0	+7.2	+5.0	+1.2	-2.2	-6.5	-9.0	-8.2	-5.2	-1.8	-0.2	-1.2	-2.0	-3.0	-3.5	-4.2	-4.2	-4.0	-1.5	+2.5	+6.2	+8.8	+9.8	+10.0

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

HORIZONTAL FORCE (gammas) (Quiet Days)

Table 52. Agincourt. 1954.

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	+1	+1	+1	-2	-2	-3	-3	-2	-1	+1	+3	+2	-1	-4	-10	-11	-9	-2	+3	+7	+9	+8	+7
February	+1	0	-1	-1	-1	-1	0	+1	0	+2	+2	+4	+2	-2	-5	-8	-10	-7	-5	+3	+5	+8	+8	+4
March	+1	0	-3	-5	-3	0	+1	0	-1	+1	+1	+2	+2	-2	-8	-11	-12	-5	+2	+9	+11	+10	+6	+3
April	-2	+3	+2	+5	+5	+1	0	-2	-1	0	0	-1	-5	-11	-19	-22	-14	-3	+7	+16	+15	+12	+8	+5
May	+6	+5	+2	+5	+5	+2	+2	+3	+3	+3	+2	-1	-6	-13	-23	-25	-17	-6	+3	+11	+13	+12	+7	+6
June	+3	+5	+2	-2	0	0	+1	0	+2	0	0	0	-6	-11	-17	-16	-9	-2	+5	+10	+13	+11	+6	+5
July	+5	+6	+6	+4	+2	+1	+1	0	+1	-1	0	-4	-10	-18	-22	-24	-16	-3	+9	+16	+15	+14	+11	+7
August	+2	+2	+2	+1	+1	+2	+3	+4	-1	0	-2	-1	-6	-15	-23	-24	-16	-2	+9	+19	+18	+13	+9	+5
September	+6	+7	+7	+6	+7	+5	+4	+3	+5	+5	+4	+2	-5	-14	-22	-24	-19	-10	-2	+7	+11	+8	+3	+7
October	+5	+5	+5	+5	0	+3	+4	+3	+6	+6	+9	+8	+3	-5	-13	-24	-26	-18	-6	+3	+7	+7	+7	+6
November	+2	+1	+1	-1	-1	0	+1	+2	+4	+5	+4	+6	+3	-3	-8	-13	-12	-9	-2	+3	+6	+6	+6	+3
December	+3	+2	+1	0	0	+1	+2	+2	+2	+3	+3	+2	+1	-3	-9	-15	-14	-9	-2	+2	+5	+7	+7	+6
Year	+3.1	+3.1	+2.1	+1.5	+1.1	+1.0	+1.3	+1.1	+1.5	+1.9	+2.0	+1.6	-2.1	-8.2	-14.4	-18.0	-14.7	-6.9	+1.3	+8.5	+10.4	+9.7	+7.1	+5.3
Winter	+2.8	+1.0	+0.5	-0.2	-1.0	-0.5	0.0	+0.5	+1.0	+2.2	+2.5	+3.5	+2.0	-2.2	-6.5	-11.5	-11.8	-8.5	-2.8	+2.8	+5.5	+7.2	+7.0	+5.0
Equinox	+2.5	+3.8	+2.8	+2.8	+2.2	+2.2	+2.2	+1.0	+2.2	+3.0	+3.5	+2.8	-1.2	-8.0	-15.5	-20.2	-17.8	-9.0	+0.2	+8.8	+11.0	+9.2	+6.0	+5.2
Summer	+4.0	+4.5	+3.0	+2.0	+2.0	+1.2	+1.8	+1.8	+1.2	+0.5	0.0	-1.5	-7.0	-14.2	-21.2	-22.2	-14.5	-3.2	+6.5	+14.0	+14.8	+12.5	+8.2	+5.8

DECLINATION (minutes) (Quiet Days)

Table 53. Agincourt. 1954.

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	+0.6	+0.9	+0.7	+0.7	+0.1	+0.2	-0.8	+0.1	+0.6	+0.8	+0.6	+0.8	+1.3	+1.8	+2.0	+0.4	-1.4	-3.2	-3.1	-2.3	-1.2	-0.3	+0.2	+0.6
February	-0.2	+0.6	+0.8	+1.3	+1.3	+0.4	0.0	+0.2	+1.0	+1.4	+1.7	+1.9	+2.5	+1.9	+1.9	+0.9	-1.0	-2.5	-3.6	-3.7	-3.2	-1.8	-1.2	-0.9
March	-0.6	+1.3	+2.0	+1.4	+0.8	+0.9	+1.0	+0.9	+1.1	+1.4	+2.1	+2.7	+3.3	+3.6	+2.8	+0.6	-2.5	-4.4	-5.1	-4.1	-3.3	-2.2	-1.9	-1.6
April	+0.2	-0.5	-0.6	-0.9	+0.5	+1.1	-0.3	+0.8	+2.1	+2.5	+3.6	+4.8	+4.8	+4.1	+2.7	-0.4	-3.5	-5.4	-5.6	-4.7	-3.5	-1.8	-0.3	+0.2
May	-0.4	0.0	+0.2	+0.5	0.0	+0.7	+0.8	+0.8	+1.7	+2.8	+4.6	+5.5	+5.7	+4.5	+2.6	-0.7	-3.9	-5.8	-6.3	-5.5	-4.0	-2.5	-1.1	-0.5
June	-0.6	0.0	+1.1	+1.8	+0.8	+0.1	+0.4	+0.8	+1.3	+1.4	+3.1	+5.0	+5.7	+4.5	+2.6	+0.1	-2.9	-5.2	-6.0	-5.3	-4.1	-2.5	-1.2	-0.7
July	-0.5	-0.5	+0.1	0.0	+0.9	+0.3	+0.1	-0.1	+0.1	+2.0	+4.2	+5.8	+6.6	+6.3	+4.2	-0.2	-3.6	-5.0	-5.2	-5.5	-4.3	-3.0	-1.9	-0.9
August	+0.5	+0.9	+1.1	+1.1	+0.6	+1.5	+0.8	-1.2	0.0	+2.5	+3.2	+5.6	+6.8	+6.0	+3.1	-0.8	-5.0	-7.5	-7.1	-5.6	-3.6	-2.3	-0.7	+0.2
September	+1.5	+0.4	+0.4	0.0	-0.3	+1.1	0.0	+0.4	+0.4	+3.0	+3.4	+3.8	+4.4	+4.2	+1.0	-2.4	-5.1	-6.3	-6.3	-3.9	-1.3	+0.3	+0.6	+0.8
October	+0.2	+0.1	+0.4	+1.4	+0.7	-0.2	+0.3	+1.7	+1.4	+0.3	+0.8	+1.9	+2.5	+3.5	+3.7	+1.7	-1.7	-4.7	-5.3	-4.3	-2.5	-1.0	-0.6	-0.3
November	+0.6	+1.0	+0.6	+0.7	+0.3	+0.1	0.0	0.0	+0.2	+0.6	+0.7	+1.1	+1.6	+2.2	+2.0	+0.1	-1.7	-2.8	-3.2	-2.4	-1.3	-0.7	0.0	+0.4
December	+1.0	+1.4	+1.1	+0.6	+0.6	+0.2	-0.3	-0.5	+0.2	+0.6	+0.9	+0.6	+1.0	+1.6	+1.6	+0.1	-1.6	-2.9	-2.8	-2.1	-1.2	-0.5	+0.2	+0.5
Year	+0.2	+0.5	+0.7	+0.7	+0.5	+0.5	+0.2	+0.3	+0.8	+1.6	+2.4	+3.3	+3.8	+3.7	+2.5	0.0	-2.8	-4.6	-5.0	-4.1	-2.8	-1.5	-0.7	-0.2
Winter	+0.5	+1.0	+0.8	+0.8	+0.5	+0.2	+0.1	0.0	+0.5	+0.8	+1.0	+1.1	+1.6	+1.9	+1.9	+0.4	-1.4	-2.8	-3.2	-2.6	-1.7	-0.8	-0.2	+0.2
Equinox	+0.3	+0.3	+0.6	+0.5	+0.4	+0.7	+0.2	+1.0	+1.2	+1.8	+2.5	+3.3	+3.8	+3.8	+2.6	-0.1	-3.2	-5.2	-5.6	-4.2	-2.6	-1.2	-0.6	-0.2
Summer	-0.2	+0.1	+0.6	+0.8	+0.6	+0.6	+0.5	+0.1	+0.8	+2.2	+3.8	+5.5	+6.2	+5.3	+3.1	-0.4	-3.8	-5.9	-6.2	-5.5	-4.0	-2.6	-1.2	-0.5

VERTICAL FORCE (gammas) (Quiet Days)

Table 54. Agincourt. 1954.

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	+1	+1	+1	+1	+1	0	0	0	0	-1	-1	-1	-1	-4	-4	-3	+1	+1	+3	+3	+2	+1	0
February	+7	+6	+4	+2	0	0	0	-1	-1	-2	-3	-3	-3	-5	-7	-7	-7	-5	-1	+2	+4	+4	+5	+5
March	+9	+6	+2	+4	-1	+1	-2	-3	-4	-3	-2	-1	-1	-3	-4	-7	-7	-5	-2	+1	+2	+4	+8	+10
April	+9	+5	+3	+1	-5	-6	-5	-8	-2	+1	+1	+1	-1	-1	-3	-7	-7	-5	-3	+1	+4	+7	+9	+8
May	+3	+1	+2	-1	-3	-1	0	-1	-1	0	+1	0	-2	-4	-6	-6	-4	-4	-1	+3	+6	+6	+6	+4
June	+5	+3	+3	+2	0	+2	+2	+3	+2	+2	+2	+2	-1	-4	-5	-9	-9	-7	-4	-1	+1	+2	+3	+5
July	+3	+2	0	0	-1	-1	-2	-1	-2	+1	+2	+1	-1	-4	-1	-2	-6	-7	-3	+2	+3	+5	+6	+5
August	+7	+5	+4	0	0	-2	-4	-13	-10	-3	-1	-2	-2	-4	-4	-1	+1	+2	0	+2	+4	+6	+7	+8
September	+6	+4	+1	+2	+1	0	-1	-4	-7	-8	-5	-4	-5	-4	-4	-3	-2	+1	+4	+6	+7	+6	+4	+4
October	+3	+3	+2	-2	-2	-5	-6	-4	-2	-1	-2	0	0	+1	+1	-2	-4	-2	+1	+3	+6	+4	+4	+4
November	+2	+2	+2	+1	+1	+1	+1	+1	+2	0	0	0	0	0	-4	-7	-7	-5	-1	+2	+2	+2	+3	+2
December	+1	+2	+2	0	0	0	0	0	0	0	0	0	0	+1	-2	-6	-5	-2	+1	+2	+2	+2	+1	+1
Year	+4.6	+3.3	+2.2	+0.8	-0.8	-0.8	-1.4	-2.6	-2.1	-1.0	-0.6	-0.6	-1.4	-2.2	-3.3	-5.0	-5.0	-3.2	-0.6	+2.2	+3.6	+4.2	+4.7	+4.7
Winter	+2.5	+2.8	+2.2	+1.0	+0.5	+0.5	+0.2	0.0	+0.2	-0.2	-0.8	-1.0	-1.0	-0.8	-3.8	-6.0	-5.5	-2.8	0.0	+2.2	+2.8	+2.5	+2.5	+2.0
Equinox	+6.8	+4.5	+2.0	+1.2	-1.8	-2.5	-3.5	-4.8	-3.8	-2.8	-2.0	-1.0	-1.8	-1.8	-2.5	-4.8	-5.0	-2.8	+0.2	+2.8	+4.5	+5.2	+6.2	+6.5
Summer	+4.5	+2.8	+2.2	+0.2	-1.0	-0.5	-1.0	-3.0	-2.8	0.0	+1.0	+0.2	-1.5	-4.0	-3.8	-4.2	-4.5	-4.0	-2.0	+1.5	+3.5	+4.8	+5.2	+5.5

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

HORIZONTAL FORCE (gammas) (Disturbed Days)

Table 55. Agincourt. 1954.

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	-6	-4	+2	-3	-2	-5	0	-4	+2	+3	+6	+6	+1	-7	-6	-8	-9	-3	+7	+11	+4	+7	+5
February	-1	+1	+4	+10	+2	-2	0	+5	-3	0	-9	+5	+11	+4	-7	-31	-15	+1	+3	+7	+5	+6	+8	-2
March	-5	-9	0	+8	+9	+12	-17	-5	-3	+3	+8	+9	+5	-5	-16	-27	-20	-13	0	+6	+21	+18	+21	-1
April	+3	-4	-7	-3	-24	-10	-3	-11	+4	-2	-5	-8	-6	-10	-17	-17	-7	+3	+9	+19	+23	+35	+27	+13
May	+1	-5	-4	-8	-12	-7	-4	-1	+1	-3	-6	-6	-9	-13	-13	-10	-3	+8	+15	+12	+25	+22	+14	+6
June	+8	+6	-1	-1	+4	+5	-4	-3	-1	0	+2	-2	-6	-7	-17	-20	-15	-3	+6	+11	+9	+12	+8	+9
July	+1	+5	-3	-3	-2	-7	-6	-3	-1	+1	-3	-3	-5	-11	-20	-21	-14	-1	+14	+18	+21	+18	+15	+7
August	+4	-5	-2	-1	-2	+4	-2	+7	+1	+3	+6	+3	-8	-20	-27	-23	-18	-5	+8	+18	+22	+18	+9	+10
September	+6	-1	-2	-1	+2	-9	-3	-1	-2	+2	+10	+6	+1	-10	-17	-26	-17	-1	+10	+17	+18	+17	-1	+1
October	-1	-12	-14	-11	-16	-17	-8	-13	-5	+5	+19	+15	+14	+10	-2	-12	-22	-12	+6	+18	+20	+17	+14	+9
November	-7	-1	-5	-6	-1	-7	+1	0	+3	+8	+12	+17	+10	-4	-7	-14	-7	-4	-6	-1	+3	+6	+7	+1
December	-6	-6	-11	-9	-7	-1	+3	+2	-2	-1	+5	+10	+7	+6	+8	+2	-6	-5	-3	-1	+4	+7	-2	+3
Year	+0.4	-3.1	-4.1	-1.9	-4.2	-3.4	-4.0	-1.9	-1.0	+1.5	+3.5	+4.2	+1.7	-4.9	-11.8	-17.1	-12.7	-3.4	+4.9	+10.9	+15.2	+15.0	+10.6	+5.1
Winter	-3.0	-3.0	-4.0	-0.8	-2.2	-3.0	-0.2	+1.8	-1.5	+2.2	+2.8	+9.5	+8.5	+1.8	-3.2	-12.2	-9.0	-4.2	-2.2	+3.0	+5.8	+5.8	+5.0	+1.8
Equinox	+0.8	-6.5	-5.8	-1.8	-7.2	-6.0	-7.8	-7.5	-1.5	+2.0	+8.0	+5.2	+3.5	-3.8	-13.0	-20.5	-16.5	-5.8	+6.2	+15.0	+20.5	+21.8	+15.2	+5.5
Summer	+3.5	+0.2	-2.5	-3.2	-3.0	-1.2	-4.0	0.0	0.0	+0.2	-0.2	-2.0	-7.0	-12.8	-19.2	-18.5	-12.5	-0.2	+10.8	+14.8	+19.2	+17.5	+11.5	+8.0

DECLINATION (minutes) (Disturbed Days)

Table 56. Agincourt. 1954.

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+2.7	+3.0	+4.3	+2.1	+1.8	+1.6	+0.1	-0.3	-0.3	+2.1	+3.5	+1.4	+1.5	+1.6	-0.1	-2.3	-3.0	-5.2	-6.6	-6.1	-2.6	-0.5	+0.5	+0.8
February	+2.5	+3.0	+2.8	+2.4	+3.3	+4.0	+3.9	+2.1	-0.7	-1.5	-2.6	-3.6	+2.5	+4.0	+1.9	-2.8	-4.9	-3.9	-4.5	-4.6	-4.1	-1.8	-0.3	+2.8
March	+6.9	+8.4	+3.3	+4.5	+4.6	-0.2	+0.4	-4.6	-0.3	-0.2	+2.2	+2.6	+3.5	+5.0	+2.2	-2.2	-5.0	-8.0	-8.1	-8.2	-5.5	-4.9	-1.9	+5.6
April	+4.3	-0.6	+4.1	+0.8	-1.6	+1.2	+0.2	-1.9	+2.0	+5.0	+5.3	+6.1	+4.9	+5.1	+1.8	-1.8	-5.2	-6.4	-8.0	-8.2	-7.4	-3.5	-2.4	+6.1
May	-0.2	+3.9	+3.6	+5.6	+4.3	+1.8	+0.3	+1.2	+2.2	+3.0	+3.8	+3.6	+4.4	+2.5	+0.4	-2.7	-5.0	-5.8	-7.3	-7.3	-5.0	-3.7	-2.2	-1.3
June	-0.9	+1.3	+1.4	+0.8	+1.0	+1.4	+3.7	+2.2	+2.5	+1.6	+3.6	+5.7	+4.2	+3.9	+2.5	-1.1	-4.7	-6.0	-7.0	-5.9	-5.0	-2.9	-1.4	-0.8
July	-0.4	-0.1	+2.4	+3.7	+2.2	+1.5	+1.2	-1.0	+3.0	+3.0	+0.8	+3.2	+4.5	+3.4	+2.5	-2.5	-5.5	-6.1	-5.6	-5.0	-3.7	-1.9	+0.1	+0.1
August	+2.9	+3.7	+4.2	+3.7	+2.2	+2.0	+0.5	-0.6	-2.0	+1.8	+4.8	+6.4	+6.4	+3.6	+0.2	-3.0	-6.1	-8.4	-8.5	-6.6	-4.4	-2.5	-0.9	+0.5
September	+4.0	+4.4	+9.0	+5.6	+1.0	+1.4	+3.2	+1.0	+1.8	+2.1	+2.5	+2.7	+0.8	-1.2	-3.0	-4.8	-6.8	-7.6	-7.2	-6.3	-2.2	-2.6	-1.2	+3.3
October	+2.4	+7.8	+6.0	+7.5	+5.0	+5.1	+5.0	+4.7	+3.8	+4.1	+3.8	-1.4	-1.8	+0.2	-1.5	-4.5	-6.3	-8.7	-9.1	-7.3	-5.8	-4.3	-2.6	-2.0
November	+2.9	+5.5	+6.2	+6.1	+1.7	+4.9	+1.4	-1.1	-1.4	+0.5	+1.2	+2.3	+1.8	-1.5	-2.4	-3.3	-4.4	-5.0	-5.7	-4.8	-3.7	-2.1	-0.4	+0.9
December	+1.9	+3.3	+2.4	+2.0	+0.7	+1.2	0.0	+2.1	+2.0	+1.7	+0.7	+0.8	-2.2	-2.6	-0.7	-0.9	-2.2	-3.0	-3.4	-2.4	-1.3	-1.3	+0.8	+0.3
Year	+2.4	+3.6	+4.1	+3.7	+2.2	+2.2	+1.7	+0.3	+1.0	+1.9	+2.5	+2.5	+2.5	+2.0	+0.3	-2.7	-4.9	-6.2	-6.8	-6.1	-4.2	-2.7	-1.0	+1.4
Winter	+2.5	+3.7	+3.9	+3.2	+1.9	+2.9	+1.4	+0.7	-0.1	+0.7	+0.7	+0.2	+0.9	+0.4	-0.3	-2.3	-3.6	-4.3	-5.0	-4.5	-2.9	-1.4	+0.2	+1.2
Equinox	+4.4	+5.0	+5.6	+4.6	+2.2	+1.9	+2.2	-0.2	+1.8	+2.8	+3.4	+2.5	+1.8	+2.3	-0.1	-3.3	-5.8	-7.7	-8.1	-7.5	-5.2	-3.8	-2.0	+3.2
Summer	+0.4	+2.2	+2.9	+3.4	+2.4	+1.7	+1.4	+0.4	+1.4	+2.4	+3.2	+4.7	+4.9	+3.4	+1.4	-2.3	-5.3	-6.6	-7.1	-6.2	-4.5	-2.8	-1.1	-0.4

VERTICAL FORCE (gammas) (Disturbed Days)

Table 57. Agincourt. 1954.

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	+12	+12	+6	+6	+3	-2	-9	-17	-16	-12	-6	-4	-2	-5	-7	-8	-3	+3	+7	+9	+8	+10	+8
February	+22	+24	+13	-2	-4	-17	-14	-13	-23	-21	-36	-36	-16	-6	-2	-3	+2	+3	+5	+8	+19	+26	+38	+34
March	+29	+30	+17	+3	-11	-11	-35	-55	-28	-20	-11	-7	-8	-3	-3	-4	-3	+4	+14	+16	+21	+17	+23	+26
April	+33	+31	+27	-45	-36	-20	-16	-24	-5	-6	-6	-10	-15	-10	-7	-9	-11	-7	0	+18	+25	+32	+34	+30
May	+18	+13	+7	-3	-3	-6	-9	-6	-5	-6	-6	-5	-5	-7	-9	-12	-9	-6	-4	+3	+9	+13	+19	+18
June	+8	+5	+1	-2	-2	-7	-18	-9	-1	+2	+2	0	-2	-3	-6	-10	-6	-4	+1	+6	+10	+13	+12	+11
July	+16	+13	+11	+2	-16	-27	-21	-14	-4	+3	-1	-14	-13	-9	-3	-2	-1	+2	+6	+9	+12	+15	+17	+18
August	+14	+12	+4	-2	-4	-27	-34	-24	-21	-11	0	+3	+1	-3	-2	0	+1	+5	+8	+12	+16	+20	+17	+16
September	+23	+17	+7	-13	-38	-37	-14	-12	-15	-15	-16	-21	-19	-19	-15	-10	-3	+8	+15	+25	+42	+38	+39	+33
October	+52	+38	+28	+2	-30	-50	-55	-74	-56	-38	-30	-17	-11	-6	-3	-1	+5	+24	+23	+25	+31	+37	+47	+56
November	+21	+5	+11	0	-28	-30	-18	-10	-11	-6	-5	-5	-4	-3	-3	-2	-1	+2	+8	+15	+18	+17	+15	+16
December	+7	+11	+8	+5	-3	-1	-6	-12	-10	-9	-1	-2	-4	-5	-5	-9	-5	0	+4	+6	+7	+7	+8	+10
Year	+20.8	+17.6	+12.2	-4.1	-14.1	-19.2	-20.2	-21.8	-16.3	-11.9	-10.2	-10.0	-8.3	-6.3	-5.2	-5.8	-3.2	+2.3	+6.9	+12.5	+18.2	+20.2	+23.2	+23.0
Winter	+14.2	+13.0	+11.0	+2.2	-7.2	-11.2	-10.0	-11.0	-15.2	-13.0	-13.5	-12.2	-7.0	-4.0	-3.8	-5.2	-3.0	+0.5	+5.0	+9.0	+13.2	+14.5	+17.8	+17.0
Equinox	+34.2	+29.0	+19.8	-13.2	-28.8	-29.5	-30.0	-41.2	-26.0	-19.8	-15.8	-13.8	-13.2	-9.5	-7.0	-6.0	-3.0	+7.2	+13.0	+21.0	+29.8	+31.0	+35.8	+36.2
Summer	+14.0	+10.8	+5.8	-1.2	-6.2	-16.8	-20.5	-13.2	-7.8	-3.0	-1.2	-4.0	-4.8	-5.5	-5.0	-6.0	-3.8	-0.8	+2.8	+7.5	+11.8	+15.2	+16.2	+15.8