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RECORD OF OBSERVATIONS AT AGINCOURT MAGNETIC OBSERVATORY 1959 - 1960

W. E. Ross, A. A. Onhauser and M. H. Onhauser

Price 25 cents

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AGINCOURT MAGNETIC OBSERVATORY

Geographic Latitude 43° 47′N Geographic Longitude 79° 16′W
Geomagnetic Latitude 55.0°N Geomagnetic Longitude 347.0°E

1959 - 1960

Introduction

Agincourt Magnetic Observatory has been in operation at the present site since 1898. It is situated about 13 miles northeast of downtown Toronto and one-half mile south of Agincourt.

W. E. Ross retired in June 1960 and was succeeded as officer-in-charge by A. A. Onhauser. Assistants during 1959-1960 were M. H. Onhauser for the full period, and G. Atkinson from October to December 1960.

Absolute Instruments

The absolute instruments and their corrections to International Magnetic Standard were as follows:

for D, I.M.S. = Elliott 48 −0.8′
for I, I.M.S. = Toepfer 89 −0.15′
for H, I.M.S. = QHM 258 +3.7γ
for H, I.M.S. = Schuster-Smith +0.0γ
for F, I.M.S. = Proton Precession Magnetometer +0.0γ
(4257.60 cps per oersted)

Variometers

Two photographic three-component, normal sensitivity sets, laCour and Ruska, were used for continuous recording. In July 1957 a three-component, visibly recording, electrical magnetometer, T613, built commercially to a Dominion Observatory design (Serson 1957) was installed. The scale values of these variometers are:

	H	D	Z
laCour	5.09 γ	0.92′	6.1 γ
Ruska	2.1 γ	1.09′	5.3 γ
Visibly recording magnetometer, T613	9.2 γ	2.2′	8.0 γ

The visibly recording magnetometer was used in the absence of any other low sensitivity set in the event of severe magnetic storms, also for determining at once the state, quiet or disturbed, of the magnetic elements.

Absolute observations were made at least once per week. Base-line values were adopted by fitting straight line segments to the observed values. The r.m.s. differences of the observed minus the adopted base-line values were 1.0′ in declination, 4 gammas in horizontal component in both 1959 and 1960, 27 gammas in vertical component in 1959, and 8 gammas in the vertical component in 1960. The only major discontinuity in the standard laCour base-line values occurred in the case of H on May 13, 1960, owing to an adjustment of the variometer.

Notes on the Tables

Greenwich Mean Time (U.T.) is used throughout.

Table 58 lists three-hour range indices in D, H, and Z as well as the K indices, which are sent regularly to the International Association of Geomagnetism and Aeronomy for publication. The magnetograms were also read each month for sudden commencements, bays, and pulsations, and the results sent to the I.A.G.A.

66975—2½

Annual Means

Year	D West		H	Z	I North		F
		′	γ	γ		′	γ
1938	7°	35.1	15310	56564	74°	51.3	58599
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
1955		16.4	562	194		31.3	309
1956		16.8	601	218		29.4	343
1957		19.1	642	203		26.8	339
1958		19.7	686	196		24.2	344
1959		18.8	739	207		21.2	369
1960		19.7	797	205		18.1	383

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Agincourt H = 15,000 γ + January 1959

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	721	721	721	719	719	719	722	724	725	726	724	722	719	709	690	663	655	664	681	700	721	734	735	735	711
2	Q	734	731	730	730	730	731	731	731	734	733	732	735	737	727	716	693	675	673	689	705	724	730	734	732	722
3		739	724	717	716	713	715	715	721	724	726	725	724	727	722	710	691	669	663	679	701	717	729	734	737	714
4		737	736	732	730	726	726	723	727	729	730	730	733	732	733	720	683	656	653	668	689	699	705	715	719	714
5		717	723	723	719	720	720	717	710	707	707	705	715	721	702	698	672	658	627	643	660	712	720	706	713	701
6	D	711	680	676	677	684	686	687	688	693	682	680	697	699	691	651	654	631	616	626	660	687	676	687	684	675
7	D	690	674	688	692	684	674	669	676	689	685	695	692	694	687	673	662	661	665	668	669	680	680	694	695	680
8		682	680	672	685	690	694	694	695	696	697	685	691	697	692	679	660	669	674	691	679	686	682	691	702	686
9	D	694	693	702	702	699	700	698	702	704	704	699	693	685	679	671	635	604	605	651	674	681	692	750	801	688
10	D	686	663	663	662	651	643	635	639	631	656	657	637	652	639	630	613	609	600	638	680	681	690	686	666	650
11		656	667	685	683	678	672	672	671	680	686	688	688	691	673	654	648	650	657	661	678	683	700	717	705	677
12		706	715	709	700	698	702	698	701	700	701	701	703	703	701	688	670	665	672	680	685	703	714	711	708	697
13		707	710	708	711	711	711	711	711	706	718	713	716	714	707	689	665	657	658	677	691	706	718	721	720	702
14		721	721	720	719	721	723	727	724	723	721	723	725	722	713	695	677	668	670	686	703	720	726	717	717	712
15		719	721	711	703	700	695	695	702	704	709	718	718	719	716	698	673	659	663	673	691	709	721	724	724	703
16		724	722	723	719	719	720	726	724	722	742	750	717	715	724	712	671	679	670	678	691	704	717	717	712	712
17		712	709	704	720	717	701	709	699	707	707	712	709	704	687	667	669	676	671	669	674	689	705	712	715	698
18		713	704	691	694	694	708	703	704	706	712	714	710	709	695	689	678	646	656	667	689	698	695	698	709	695
19		708	710	709	709	706	707	707	706	712	715	713	715	714	702	691	676	673	669	673	676	694	712	719	718	701
20	Q	718	717	719	720	721	724	724	727	725	725	725	721	718	707	695	676	670	678	689	698	709	718	729	729	712
21	Q	723	727	727	727	727	729	729	732	732	732	733	734	734	723	704	684	673	664	681	701	720	732	737	737	718
22		735	736	738	741	738	741	741	741	745	750	751	748	742	734	720	705	699	708	715	713	719	730	733	728	731
23		720	721	725	723	725	724	728	730	732	735	733	743	726	719	704	688	685	683	689	696	709	728	736	733	718
24	Q	728	720	725	726	724	726	730	730	728	729	730	728	730	728	716	697	688	693	704	707	723	733	733	733	721
25		731	730	730	733	734	734	735	735	738	743	741	754	753	734	707	688	649	648	673	688	695	709	704	702	716
26	D	710	713	714	714	700	698	703	707	709	714	722	704	673	705	693	674	662	667	665	670	680	690	697	701	695
27		701	705	705	707	715	718	715	709	716	722	705	713	723	721	710	685	663	667	672	690	700	708	711	714	704
28		715	711	710	712	713	711	711	715	715	716	714	717	715	703	686	676	678	686	704	724	731	735	722	722	710
29		724	721	724	726	726	726	719	715	703	708	716	724	727	716	697	673	683	689	696	693	721	727	736	729	713
30		734	734	729	718	719	711	706	716	721	721	722	727	727	714	694	676	666	678	696	715	729	737	738	734	715
31		736	732	719	720	719	707	704	684	693	709	719	719	711	697	679	668	664	670	688	704	712	721	726	725	705
Mean		714	712	711	712	710	710	709	710	711	715	715	715	714	706	691	672	663	663	676	690	705	713	718	719	703

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt D = 7° W + ... ′ January 1959

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	17.6	16.9	16.7	16.8	17.2	17.6	17.8	17.6	16.9	16.2	16.1	15.6	14.8	12.0	10.6	13.9	19.8	24.1	25.7	24.5	22.2	20.0	18.6	18.3	17.8
2 Q	17.6	17.0	16.7	16.9	16.8	17.3	17.6	17.6	17.2	17.0	17.0	16.1	14.7	11.5	11.9	13.3	17.5	21.8	23.0	23.4	22.6	20.2	18.7	18.2	17.6
3	18.4	17.6	17.4	17.3	17.6	16.7	16.1	17.8	17.6	17.0	17.1	16.7	14.9	12.6	10.9	12.8	16.3	22.0	24.5	25.8	24.2	21.3	20.0	19.4	18.0
4	19.3	17.4	16.7	15.8	15.8	15.3	15.7	15.2	15.1	14.2	13.9	13.1	13.4	11.6	08.9	10.7	16.3	23.1	26.3	26.6	25.9	23.6	21.3	19.1	17.2
5	17.6	15.9	15.7	16.9	17.9	17.2	16.6	16.7	16.6	16.8	14.5	19.3	15.9	14.3	17.5	14.7	17.3	22.6	27.3	27.7	29.1	28.8	26.8	25.8	19.6
6 D	29.0	17.5	15.4	14.4	14.4	16.9	17.6	16.7	17.9	16.1	25.7	19.7	16.0	14.4	15.3	18.0	22.3	27.7	30.1	30.7	26.3	24.4	21.6	21.3	20.4
7 D	21.3	17.4	16.7	13.5	14.1	13.8	14.4	13.0	13.3	16.0	18.5	18.4	15.7	13.4	14.7	18.8	21.3	21.7	22.8	24.7	26.2	24.4	21.5	22.8	18.3
8	22.7	18.3	17.1	16.1	17.6	17.9	18.4	18.3	17.5	17.9	23.6	21.7	17.5	13.3	12.7	17.0	20.4	23.6	24.5	26.8	28.3	25.0	25.2	25.1	20.3
9 D	25.9	21.9	15.7	17.9	18.8	17.2	17.4	16.9	17.7	18.7	16.4	16.4	16.9	17.9	17.9	17.9	18.8	29.1	29.7	28.0	28.7	26.4	28.9	22.3	21.0
10 D	25.0	15.9	15.1	15.7	14.5	14.5	17.1	15.1	17.5	15.3	21.9	33.8	33.2	25.6	21.3	32.6	27.1	26.9	27.4	26.1	24.4	24.3	26.2	25.9	22.6
11	20.3	16.6	18.7	18.8	18.5	18.2	17.8	14.2	15.1	17.8	18.0	17.5	15.2	13.3	14.2	19.0	22.2	23.5	24.1	26.1	24.2	23.6	24.3	25.8	19.4
12	22.3	19.6	19.7	17.7	17.0	18.8	19.0	17.9	16.8	16.4	16.7	16.1	14.4	13.0	13.2	16.4	19.8	22.3	22.5	23.5	23.6	21.3	18.9	18.8	18.6
13	19.0	18.0	16.9	16.8	18.6	19.4	19.5	18.2	18.6	20.5	14.2	14.8	14.2	11.4	10.2	12.9	20.9	26.0	26.7	25.2	23.4	21.3	19.6	18.7	18.5
14	17.9	17.8	17.8	17.7	17.9	18.4	17.9	17.6	16.8	17.1	15.9	15.7	14.2	11.1	07.8	13.6	19.4	23.4	25.1	24.4	23.1	21.0	20.3	20.3	18.0
15	19.6	17.7	16.6	16.9	19.1	16.9	16.7	18.1	20.8	19.4	15.0	15.8	14.0	12.3	13.1	17.8	20.4	22.4	24.2	24.4	22.6	20.3	19.0	18.8	18.4
16	17.7	17.9	17.8	18.0	17.6	17.9	17.9	17.4	20.6	20.0	13.3	23.4	24.1	19.0	15.4	18.2	22.5	25.9	27.7	26.8	24.9	23.4	21.2	18.9	20.3
17	18.2	17.8	15.9	15.1	17.6	16.8	19.5	20.1	15.1	16.1	20.3	18.8	20.4	14.6	22.2	29.7	26.7	24.2	23.7	24.5	23.5	22.2	20.2	19.7	20.1
18	18.7	18.6	14.0	16.1	17.0	21.0	18.7	17.4	17.8	17.0	17.2	18.6	16.6	13.3	13.2	16.7	22.1	25.8	24.9	23.4	22.6	19.4	18.5	19.5	18.7
19	18.8	17.5	16.6	12.9	17.5	17.6	18.0	17.5	16.7	17.1	16.1	16.0	16.1	12.1	12.1	15.5	18.0	20.5	22.5	24.3	23.0	21.6	20.7	20.1	17.9
20 Q	18.9	18.5	17.9	17.6	17.9	18.2	19.4	19.5	17.6	16.6	16.7	16.2	14.9	12.6	12.5	16.0	20.6	22.5	23.5	24.4	25.2	22.2	19.7	19.4	18.7
21 Q	18.7	17.8	17.9	17.8	17.8	17.9	17.7	18.7	16.8	16.0	15.8	15.6	14.4	12.8	11.4	14.0	17.7	20.3	24.4	26.1	24.9	22.0	19.8	19.1	18.1
22	18.4	17.6	17.6	16.6	15.2	18.8	17.3	16.1	17.5	14.2	12.2	12.9	13.0	11.8	11.4	14.8	17.7	20.2	21.4	22.1	22.4	21.0	19.6	19.3	17.0
23	18.8	16.2	17.0	16.1	16.7	17.7	17.1	17.2	17.0	16.8	17.1	17.7	15.0	11.9	09.8	12.9	15.5	17.9	21.3	24.1	24.4	21.7	19.7	20.3	17.5
24 Q	19.4	17.9	17.9	17.6	17.9	17.6	16.8	17.2	17.0	16.7	16.7	15.9	14.8	11.9	10.6	12.3	14.1	17.9	21.7	22.5	21.7	19.8	18.9	18.8	17.2
25	18.5	18.2	17.6	16.7	16.6	16.7	17.0	16.7	16.1	14.9	17.3	15.2	10.2	12.1	15.7	17.8	19.4	25.9	27.9	26.1	25.3	23.1	20.4	19.0	18.5
26 D	18.9	17.9	17.6	17.0	16.9	17.5	18.8	18.5	17.9	16.7	15.8	16.7	26.3	17.6	12.0	10.8	15.4	19.8	22.3	23.2	22.5	21.3	20.3	20.1	18.4
27	19.6	19.4	19.5	19.5	18.8	18.7	19.4	19.8	21.2	18.7	15.4	16.8	15.1	09.7	08.7	10.4	14.4	19.5	24.7	28.0	26.4	23.5	21.5	19.3	18.7
28	18.5	17.7	16.2	14.5	14.8	16.9	17.6	18.0	17.9	17.1	17.1	16.1	13.4	12.0	12.7	15.1	17.5	21.8	25.8	26.8	25.5	24.5	20.7	19.7	18.2
29	17.9	17.6	17.2	17.1	16.9	16.6	16.9	16.7	18.7	13.3	12.3	14.3	14.2	12.3	14.7	20.1	25.3	27.1	29.3	30.3	27.4	23.3	20.8	20.7	19.2
30	20.4	17.9	17.0	16.2	14.7	14.8	16.2	16.4	16.1	15.7	18.7	14.9	12.2	10.4	10.0	14.0	17.9	21.7	25.1	24.9	23.2	20.7	19.5	19.0	17.4
31	18.5	17.9	15.9	17.8	16.5	19.8	13.0	11.8	16.3	17.9	14.9	14.1	14.9	11.5	10.9	14.9	18.5	21.6	23.1	23.5	22.4	20.7	19.8	20.0	17.3
Mean	19.8	17.8	17.0	16.6	17.0	17.4	17.5	17.1	17.3	16.8	16.8	17.2	16.2	13.3	13.0	16.2	19.4	23.0	24.9	25.4	24.5	22.5	21.0	20.4	18.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Agincourt $Z = 56,000\ \gamma +$ January 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	188	188	187	186	184	184	186	187	186	186	185	186	187	187	183	183	183	192	195	197	195	193	189	189	188
2 Q	187	189	187	187	187	187	187	187	187	187	187	187	188	190	188	181	182	187	193	195	196	194	188	187	188
3	186	185	186	186	183	176	181	186	187	188	186	187	188	189	186	180	183	189	193	189	190	192	188	187	186
4	189	189	188	187	188	187	186	184	183	183	182	182	181	182	181	172	175	187	194	198	198	195	195	195	187
5	192	190	186	183	184	184	184	186	186	186	181	174	167	176	183	187	195	205	220	232	262	298	255	254	202
6 D	284	244	223	208	200	192	187	195	198	194	189	190	195	195	196	205	204	212	220	223	225	221	224	220	210
7 D	214	224	217	206	192	197	194	188	188	184	189	196	200	200	194	189	196	202	198	204	219	220	211	223	202
8	232	229	224	217	212	208	204	202	198	195	184	187	199	196	190	192	196	201	200	208	215	216	227	228	207
9 D	241	239	221	212	208	206	201	200	197	198	196	197	192	186	178	185	193	223	246	227	227	260	369	377	224
10 D	361	327	269	242	228	200	172	155	142	136	150	131	168	186	205	212	229	248	277	312	296	267	262	267	227
11	255	247	224	217	215	214	208	209	206	208	209	209	210	208	203	199	205	208	209	212	217	214	216	230	215
12	239	252	230	217	211	212	209	208	206	205	203	205	205	203	201	197	203	208	214	212	206	205	202	202	211
13	205	203	201	200	197	197	196	189	178	162	178	187	191	193	187	186	190	199	203	206	206	204	200	197	194
14	196	195	191	192	192	192	192	191	188	187	191	191	190	192	187	183	191	197	202	203	201	197	197	199	193
15	202	201	201	202	200	193	199	197	187	179	184	190	193	193	187	184	187	191	196	197	200	199	195	193	194
16	193	192	192	192	192	192	189	189	184	172	163	156	172	181	185	184	195	200	207	203	202	206	205	203	190
17	202	199	193	173	174	185	172	173	175	178	181	181	181	185	187	191	192	193	202	207	209	206	200	198	189
18	197	201	206	208	198	184	193	190	190	191	191	192	193	196	193	186	192	202	207	205	200	207	206	205	197
19	189	188	187	183	187	190	192	193	187	181	186	193	197	201	196	197	203	202	206	209	214	212	205	200	196
20 Q	200	198	196	196	195	193	193	192	192	193	193	193	195	195	187	182	191	193	192	192	196	197	196	193	193
21 Q	193	193	191	191	189	189	190	189	186	187	188	190	191	195	192	189	187	187	184	190	198	198	193	191	190
22	191	191	190	189	189	188	187	187	181	172	175	177	181	184	181	179	185	192	193	190	191	192	192	191	186
23	192	192	191	191	190	190	191	187	187	186	184	183	186	190	181	178	185	187	185	191	200	200	195	191	189
24 Q	190	191	190	189	190	190	187	186	187	189	189	189	191	191	186	185	191	184	186	187	190	192	190	189	189
25	187	189	187	187	187	187	187	187	187	186	182	181	181	186	178	178	182	199	211	224	213	203	200	199	191
26 D	200	200	197	196	198	203	203	201	200	198	196	181	151	170	178	181	193	192	193	201	205	203	201	200	193
27	201	201	199	199	196	196	195	191	184	186	187	198	200	202	191	184	193	197	203	209	207	203	201	205	197
28	208	209	212	209	208	203	201	200	198	194	193	193	195	193	189	191	196	200	199	206	205	203	202	205	201
29	202	197	196	195	193	192	192	182	170	165	177	189	193	199	195	192	191	186	187	200	209	208	207	206	193
30	205	202	205	206	202	201	196	197	198	196	187	187	190	190	187	189	190	195	196	197	200	198	192	190	196
31	193	193	199	200	195	145	153	168	165	154	173	181	189	193	195	192	195	198	202	205	201	196	193	194	186
Mean	210	208	202	198	196	192	191	190	187	184	185	186	188	191	189	188	193	199	204	207	209	210	210	210	197

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt — January 1959

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	21	52	737	16	48	652	85	18	07	25.9	14	32	9.9	16.0	19	30	198	14	52	181	17
2 Q	11	53	740	17	07	671	69	19	11	23.9	13	53	9.7	14.2	20	42	198	15	48	181	17
3	23	28	737	17	02	658	79	19	10	26.2	14	37	10.2	16.0	21	00	195	5	41	166	29
4	12	58	738	17	11	644	94	18	56	27.3	14	35	7.2	20.1	20	22	201	15	55	170	31
5	20	42	767	18	05	614	153	21	35	40.0	15	15	12.3	27.7	21	48	365	11	52	162	203
6 D	0	32	727	17	42	609	118	0	33	37.5	14	07	11.6	25.9	0	41	313	6	24	178	135
7 D	0	26	710	19	12	656	54	21	03	28.6	3	59	9.2	19.4	23	51	238	9	50	177	61
8	23	37	710	15	22	654	56	21	03	28.7	14	46	10.2	18.5	0	32	243	10	51	177	66
9 D	23	39	1155	16	30	588	567	22	41	47.1	23	37	7.5	39.6	23	36	442	15	19	170	272
10 D	0	01	726	17	16	588	138	11	29	39.0	9	45	10.2	28.8	1	00	440	11	39	114	326
11	22	04	721	0	20	637	84	23	52	29.7	14	27	11.5	18.2	0	01	278	6	10	197	81
12	21	17	733	15	45	658	75	0	01	28.3	14	17	11.0	17.3	1	25	270	15	46	191	79
13	22	55	723	16	47	652	71	19	06	27.6	14	12	8.7	18.9	20	04	208	9	08	157	51
14	6	08	739	17	00	665	74	18	47	25.8	14	20	3.8	22.0	19	34	204	15	20	181	23
15	22	02	726	17	07	656	70	19	17	25.1	14	10	12.1	13.0	0	48	205	9	19	178	27
16	9	48	755	17	24	655	100	19	07	29.6	10	30	11.1	18.5	22	05	215	11	38	141	74
17	3	45	745	15	30	653	92	15	50	32.6	3	36	9.3	23.3	20	13	211	3	53	155	56
18	5	08	720	17	00	625	95	17	10	26.8	2	52	9.6	17.2	21	49	212	5	04	168	44
19	23	52	720	17	28	665	55	19	31	25.3	13	36	9.8	15.5	21	02	215	9	37	175	40
20 Q	22	45	732	16	07	668	64	20	20	25.9	14	00	9.8	16.1	0	34	200	15	26	180	20
21 Q	23	02	742	17	13	653	89	19	32	26.3	14	06	9.6	16.7	21	05	201	18	00	181	20
22	9	55	752	16	18	697	55	19	17	22.5	13	17	10.2	12.3	17	49	195	9	05	167	28
23	22	26	740	17	07	682	58	20	23	24.9	14	45	7.6	17.3	21	05	203	15	20	176	27
24 Q	21	23	735	17	03	685	50	18	57	23.6	14	05	10.3	13.3	13	20	194	17	35	180	14
25	12	22	764	17	04	637	127	18	57	29.6	12	39	7.5	22.1	19	20	228	15	51	167	61
26 D	10	15	733	12	21	600	133	12	27	45.3	13	55	7,1	38.2	16	27	208	18	30	116	92
27	9	31	733	16	45	659	74	19	10	28.6	13	32	6.0	22.6	19	08	212	9	34	178	34
28	21	09	755	16	15	673	82	19	40	28.0	14	00	11.0	17.0	1	56	214	15	22	187	27
29	21	17	746	15	26	669	77	19	02	31.5	10	18	9.3	22.2	21	18	215	9	45	162	53
30	22	12	742	16	25	661	81	18	51	25.9	13	53	8.4	17.5	0	08	209	11	05	179	30
31	0	34	739	16	58	660	79	5	33	26.8	13	29	9.3	17.5	19	00	206	5	28	123	83
Mean			750			650	100			29.5			9.4	20.1			237			168	68
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 5 Agincourt — H = 15,000 γ + — February 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	720	711	721	716	706	712	721	718	719	719	726	729	721	698	673	663	662	661	675	693	707	721	724	723	706
2	721	723	721	720	709	684	703	680	691	689	707	711	698	698	695	669	659	653	662	684	695	707	724	713	696
3	695	714	703	704	705	698	704	706	708	704	695	709	716	705	678	677	691	676	667	679	689	727	714	708	699
4 D	713	703	699	701	712	696	696	711	714	706	703	714	705	706	714	706	666	661	684	699	683	693	747	709	702
5	705	709	705	708	699	700	703	702	711	701	701	708	703	686	681	655	666	671	684	696	706	710	715	699	697
6	678	696	703	705	710	710	709	712	712	702	703	721	705	695	676	669	682	676	674	664	684	710	719	720	697
7	711	714	710	706	711	711	714	714	716	714	712	714	702	695	695	673	663	669	680	704	715	719	722	724	704
8	724	724	725	724	719	724	724	724	731	728	725	721	721	714	701	691	685	690	699	714	735	708	709	712	716
9	695	677	674	670	696	686	680	645	609	676	696	701	702	687	680	675	666	668	679	693	709	714	722	717	684
10 Q	716	722	722	722	721	719	719	716	719	721	722	723	719	714	702	689	679	676	688	706	722	735	737	736	714
11	727	727	731	724	714	729	732	736	734	716	668	716	717	710	706	667	658	655	670	691	701	714	713	707	707
12	699	706	698	689	716	702	699	704	703	705	691	714	719	699	680	657	659	660	667	678	696	710	717	701	695
13	710	719	721	719	719	721	720	724	727	729	722	727	726	702	684	683	694	691	681	667	701	721	717	719	710
14	715	712	714	728	712	693	692	686	705	724	723	724	689	645	696	645	627	660	689	689	690	703	711	715	695
15	711	698	708	698	689	675	655	635	619	623	700	739	714	697	711	701	655	649	659	680	698	708	714	720	686
16 D	727	696	715	722	673	691	668	685	689	711	721	726	718	680	673	691	665	653	687	722	717	746	766	718	702
17	719	682	657	673	674	668	665	658	638	675	703	709	701	694	678	666	661	668	679	678	693	705	710	707	682
18 Q	711	717	720	722	720	722	721	720	719	720	722	720	717	706	690	676	669	666	682	700	710	715	717	726	709
19	726	717	717	715	697	690	696	696	705	706	714	719	719	721	714	712	706	693	684	689	704	710	716	721	708
20 Q	724	722	721	719	719	719	721	722	724	725	726	729	725	717	706	694	689	690	696	706	714	712	725	726	715
21 Q	730	730	729	729	727	728	726	729	724	729	726	729	726	721	707	699	694	690	698	705	706	710	721	726	718
22	734	742	736	726	706	704	711	721	722	727	726	736	730	724	704	696	703	701	711	726	728	726	731	730	721
23	722	729	724	716	721	703	701	710	673	686	710	705	722	713	698	686	684	694	706	717	721	724	727	731	709
24 Q	735	735	735	734	729	734	732	734	734	735	735	734	727	716	700	690	683	686	702	711	723	729	734	736	723
25 D	736	740	747	742	732	704	658	551	640	671	670	723	744	684	583	594	640	667	689	654	683	666	670	699	679
26 D	685	679	706	666	671	678	622	566	649	679	650	687	672	660	658	647	643	675	681	691	719	701	712	702	671
27	701	711	711	702	697	683	711	714	705	714	719	702	710	704	701	695	683	678	711	701	701	705	714	717	704
28 D	707	711	724	706	709	708	708	706	701	711	705	696	648	678	666	638	648	663	683	691	706	752	729	731	697
29																									
30																									
31																									
Mean	714	713	714	711	708	703	700	694	698	705	708	717	711	699	688	675	671	673	685	694	706	714	721	718	702

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt — D = 7° W + ... ′ — February 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	18.6	17.8	16.7	15.2	13.2	15.2	16.4	17.4	19.7	21.7	15.8	14.4	13.1	10.2	10.5	15.9	20.7	23.1	24.9	25.1	24.8	23.4	20.6	19.1	18.1
2	17.9	17.3	17.2	17.0	15.0	24.2	13.0	11.4	14.8	17.9	09.3	13.1	15.0	18.8	15.1	18.5	23.1	26.3	31.4	30.7	29.1	25.8	21.7	22.6	19.4
3	20.8	20.7	16.0	15.6	16.1	16.7	16.9	16.7	17.0	15.3	20.8	21.5	15.1	09.8	10.8	20.6	22.0	19.4	23.4	25.3	26.2	24.0	24.0	24.4	19.1
4 D	28.1	21.5	14.2	11.5	13.0	11.6	13.3	16.7	17.3	14.3	21.3	17.0	15.0	22.0	15.9	13.3	15.9	24.0	28.0	29.2	31.5	28.4	26.3	22.5	19.7
5	19.6	17.8	17.2	14.4	21.0	12.5	14.0	16.1	17.9	15.7	20.5	16.8	14.3	19.4	17.6	17.0	24.4	26.1	25.0	24.4	24.6	22.5	22.2	22.2	19.3
6	17.0	17.0	16.6	16.9	17.6	18.5	17.6	17.8	17.6	17.9	21.3	19.4	13.2	13.3	12.1	15.7	17.9	20.4	24.4	24.8	25.8	25.3	23.0	19.4	18.8
7	17.8	18.4	16.7	15.0	15.3	17.4	18.2	17.6	17.6	15.2	15.2	15.1	13.9	13.0	12.1	13.8	18.0	21.6	24.6	24.1	24.4	23.4	20.7	19.4	17.9
8	18.7	18.1	17.9	15.8	16.7	17.9	16.8	16.9	17.9	15.7	15.0	16.2	15.2	12.9	15.1	14.2	17.6	21.6	23.8	24.3	25.3	24.1	21.3	22.1	18.4
9	14.4	18.6	12.6	14.3	08.7	14.3	12.4	07.7	20.8	14.9	14.5	14.8	12.6	09.8	10.6	15.8	19.0	22.5	25.3	26.3	25.7	23.1	21.9	22.5	16.8
10 Q	21.3	18.8	17.9	17.2	17.3	17.6	17.7	18.0	18.5	17.8	17.1	16.3	15.1	13.3	12.1	12.0	16.7	19.7	22.0	24.1	23.3	22.7	21.3	20.0	18.2
11	19.4	17.9	16.9	16.7	13.3	16.8	16.9	16.5	13.5	14.9	05.1	04.7	19.8	26.8	22.5	17.5	21.1	24.0	24.9	25.4	24.1	22.5	20.7	21.3	18.5
12	20.2	19.4	17.7	13.3	19.9	15.9	15.7	16.7	18.4	18.0	21.4	18.2	13.3	09.9	09.3	15.5	16.2	19.8	23.5	25.1	24.1	23.2	20.9	16.9	18.0
13	18.2	18.7	17.0	16.5	15.8	16.8	17.9	17.6	17.8	17.7	20.4	18.8	16.1	13.3	18.9	17.8	18.7	18.7	22.0	27.1	25.9	22.8	20.5	18.5	18.9
14	19.4	16.4	14.4	10.3	13.9	12.1	09.7	11.0	16.4	17.9	17.0	16.1	21.9	32.3	22.6	15.5	26.5	29.6	28.1	26.6	26.5	24.3	20.3	18.9	19.5
15	17.5	15.2	15.1	11.4	07.6	11.0	17.9	21.6	32.0	29.9	07.0	08.5	11.0	19.3	17.3	15.9	18.5	22.4	25.7	26.1	23.3	23.1	21.6	20.7	18.3
16 D	19.1	13.3	09.1	17.3	07.5	18.5	10.6	07.8	09.3	14.5	15.4	15.0	13.9	16.2	29.8	22.1	22.7	27.7	24.8	17.0	19.8	21.2	16.0	26.0	17.3
17	27.3	16.9	17.2	10.7	13.9	12.5	11.9	12.9	24.0	18.9	20.0	24.0	25.4	22.3	19.4	17.5	21.2	21.6	20.8	21.7	21.9	21.2	20.1	20.2	19.3
18 Q	19.7	19.1	19.8	20.0	19.9	20.7	20.2	20.2	19.7	18.2	17.5	16.7	15.7	15.4	13.3	13.2	17.7	19.7	20.3	21.9	22.5	21.6	21.1	19.6	18.9
19	17.3	19.8	18.9	17.5	18.0	14.4	14.2	13.7	18.5	18.8	17.5	15.8	24.7	20.6	19.5	19.0	17.9	19.0	21.2	21.6	21.4	20.8	20.6	20.0	18.8
20 Q	19.4	18.8	18.1	17.9	18.4	18.1	18.3	18.4	17.0	16.1	15.7	15.2	15.3	14.3	13.7	14.6	15.8	18.4	20.2	21.2	20.6	20.7	20.8	20.2	17.8
21 Q	19.1	18.5	17.5	17.3	17.6	17.9	17.7	17.9	19.5	16.0	15.6	15.4	15.0	13.3	11.7	14.8	17.8	21.3	23.1	23.6	22.6	21.7	20.7	19.9	18.2
22	19.3	18.3	17.9	17.6	12.3	08.4	16.1	17.1	17.8	20.8	12.1	10.2	11.6	10.3	10.7	13.3	16.7	19.8	21.6	20.4	19.8	20.5	19.8	20.3	16.4
23	19.3	19.5	19.5	17.6	13.1	11.4	13.9	08.3	11.6	09.7	13.3	20.4	17.4	11.5	12.9	14.4	17.9	20.3	21.7	21.3	20.7	20.3	20.3	19.8	16.5
24 Q	19.3	18.7	18.5	18.5	18.4	18.5	18.5	17.9	17.6	16.8	16.6	16.6	14.4	13.4	12.4	14.8	18.1	21.5	24.3	24.9	23.6	22.1	20.0	19.4	18.5
25 D	18.8	17.9	16.9	16.9	14.5	10.8	15.6	14.8	09.9	12.0	14.5	10.9	15.8	16.6	16.2	37.2	25.4	22.5	27.3	29.3	25.0	25.4	24.9	27.1	19.4
26 D	22.5	21.6	17.1	12.0	09.6	13.1	12.1	25.9	08.7	15.7	19.6	17.6	14.8	14.0	11.1	16.0	19.9	21.2	24.3	25.8	23.4	26.1	26.9	24.9	18.5
27	20.0	17.9	16.4	15.2	18.1	23.8	15.2	15.0	14.9	16.9	18.8	15.1	10.7	06.9	11.4	11.2	19.9	18.6	25.4	25.3	27.0	25.0	22.5	23.1	18.1
28 D	18.5	16.9	17.9	19.4	15.7	17.9	18.5	17.2	16.0	19.0	19.2	17.5	34.1	34.2	24.1	29.0	26.3	24.8	25.3	27.6	27.1	20.6	23.1	19.4	22.1
29																									
30																									
31																									
Mean	19.6	18.2	16.8	15.7	15.1	15.9	15.6	16.0	17.2	17.1	16.3	15.8	16.2	16.2	15.3	17.0	19.8	22.0	24.2	24.7	24.3	23.1	21.6	21.1	18.5

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

Table 7 Agincourt $Z = 56,000\ \gamma +$ February 1959

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		196	199	195	193	190	191	192	190	184	162	166	181	190	193	193	197	196	202	206	208	207	205	200	199	193
2		198	197	196	195	194	175	143	168	185	148	157	178	183	170	161	167	177	187	198	209	212	208	211	217	185
3		236	234	222	211	209	209	206	204	203	198	184	156	174	186	183	184	189	190	195	205	208	217	220	243	203
4	D	304	327	267	244	212	217	206	208	202	192	184	178	179	181	175	175	178	192	197	209	234	239	261	233	216
5		219	209	205	191	148	156	179	193	194	189	181	177	175	180	175	178	202	206	202	210	217	212	210	215	193
6		234	233	223	215	205	202	200	195	193	184	175	184	195	197	198	193	195	196	203	220	225	215	207	214	204
7		212	209	206	205	202	201	200	196	193	193	195	195	195	203	197	189	192	199	205	205	206	205	205	202	200
8		198	199	198	197	197	197	194	193	184	187	190	191	199	196	191	180	178	185	191	197	205	205	209	223	195
9		236	238	217	206	191	192	167	141	123	159	178	191	193	199	206	198	195	200	201	202	206	206	206	206	194
10	Q	210	208	207	205	202	200	199	198	197	198	198	198	199	200	191	186	191	196	197	202	205	202	198	194	199
11		196	196	195	194	202	199	195	195	178	061	005	131	163	159	155	163	178	200	212	223	217	218	217	229	178
12		224	214	208	205	147	189	198	199	196	186	153	175	192	191	191	195	203	206	212	220	220	218	219	215	199
13		213	208	203	202	196	193	196	196	197	193	186	195	188	188	200	200	198	206	213	223	221	214	220	217	203
14		217	219	215	193	189	193	185	177	181	193	196	202	177	184	191	181	213	233	224	215	215	215	218	213	202
15		214	219	220	186	146	141	134	150	123	042	059	139	164	183	181	175	183	213	229	220	214	211	208	206	173
16	D	207	220	217	208	156	139	142	159	182	209	209	201	202	190	171	165	183	219	223	292	279	294	331	315	213
17		324	318	213	195	207	200	195	175	119	154	173	176	177	184	192	198	201	206	215	217	214	212	212	208	204
18	Q	207	205	205	204	203	204	202	204	205	206	206	203	202	203	202	198	201	204	209	209	205	199	200	200	204
19		197	200	200	197	194	194	178	157	180	192	191	195	185	179	187	185	187	195	201	204	207	210	208	202	193
20	Q	199	201	200	199	198	198	199	198	197	197	198	199	199	202	203	204	206	207	208	207	203	201	202	202	201
21	Q	199	198	197	196	196	196	196	188	182	188	196	197	198	199	196	190	189	196	204	207	209	205	203	200	197
22		198	196	196	198	190	178	200	201	196	166	167	179	187	192	194	194	194	197	201	198	194	193	198	201	192
23		202	203	218	229	215	208	205	165	140	135	152	158	174	194	197	197	199	201	201	202	202	202	201	200	192
24	Q	199	198	197	197	195	196	195	195	196	195	197	196	197	197	195	192	191	195	198	196	198	200	198	195	196
25	D	195	195	193	192	191	179	144	-026	143	161	064	113	122	128	156	175	189	287	281	250	252	255	243	269	181
26	D	290	272	275	172	227	214	170	063	183	214	196	213	203	207	223	222	216	220	222	223	247	252	259	241	218
27		229	217	211	222	183	183	202	203	195	189	178	167	185	193	192	185	189	207	251	216	209	211	216	227	202
28	D	227	223	200	150	204	210	210	203	191	195	186	175	141	149	171	189	210	224	246	239	250	265	250	279	208
29																										
30																										
31																										
Mean		221	220	211	200	192	191	187	175	180	174	169	180	184	187	188	188	194	206	212	215	217	217	219	220	198

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt — February 1959

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +		Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	11	07	732	16	49	654	78	19	55	25.7	13	43	8.7	17.0	19	33	209	9	42	153	56
2	22	51	734	17	02	649	85	5	30	43.3	6	05	2.9	40.4	23	59	229	6	16	126	103
3	21	46	744	18	54	657	87	23	56	27.7	13	54	2.9	24.8	23	59	286	11	37	147	139
4 D	22	52	788	17	24	645	143	20	07	32.8	5	27	6.0	26.8	1	31	358	16	17	168	190
5	21	52	729	15	42	641	88	17	13	28.4	5	26	6.0	22.4	0	07	226	5	02	132	94
6	23	10	725	19	14	650	75	19	17	27.5	14	15	8.2	19.3	0	52	233	10	20	167	66
7	23	12	725	16	34	658	67	18	24	25.6	14	25	11.1	14.5	0	01	214	16	00	187	27
8	20	42	742	16	50	674	68	23	55	26.3	15	07	10.3	16.0	23	59	242	16	34	175	67
9	22	19	724	8	48	589	135	8	40	43.7	4	06	1.0	42.7	0	19	252	8	43	74	178
10 Q	21	24	744	17	17	675	69	19	34	25.0	15	26	9.7	15.3	0	45	214	15	25	184	30
11	8	02	770	15	16	623	147	13	31	35.1	11	15	-5.7	40.8	23	49	245	10	07	-103	348
12	4	10	749	15	58	647	102	4	27	37.9	3	58	-19.0	56.9	0	01	232	4	20	71	161
13	21	28	732	19	17	654	78	19	46	28.3	13	36	11.9	16.4	19	31	231	12	38	183	48
14	3	53	747	13	01	607	140	13	40	39.0	3	30	4.6	34.4	17	40	238	12	58	153	85
15	11	16	753	7	48	571	182	9	34	45.6	5	00	-1.1	46.7	18	11	231	9	50	-27	258
16 D	22	10	855	17	20	632	223	17	39	34.6	4	56	-6.3	40.9	22	07	411	5	06	79	332
17	0	34	734	8	03	617	117	8	10	30.7	2	44	5.1	25.6	1	38	353	8	38	83	270
18 Q	22	29	729	17	38	663	66	19	56	22.6	15	28	11.5	11.1	19	00	213	15	30	196	17
19	0	48	728	18	42	681	47	12	50	29.4	7	17	10.9	18.5	21	02	213	7	00	145	68
20 Q	11	46	730	16	28	687	43	19	33	21.6	14	58	12.4	9.2	18	20	209	9	21	194	15
21 Q	7	38	736	17	15	686	50	8	38	24.4	14	23	8.4	16.0	20	30	209	9	03	176	33
22	11	34	752	15	23	689	63	9	29	24.7	4	53	-5.8	30.5	4	35	211	9	48	152	59
23	4	52	735	8	33	652	83	2	51	23.3	7	46	3.2	20.1	3	09	232	9	24	123	109
24 Q	23	23	747	17	03	679	68	18	50	25.3	14	45	10.3	15.0	21	10	202	16	10	188	14
25 D	11	58	795	7	48	451	344	15	32	46.6	14	12	0.4	46.2	17	49	335	7	48	120	215
26 D	2	38	741	7	48	454	287	7	32	33.2	3	28	-3.6	36.8	2	37	332	7	40	-29	361
27	22	32	736	17	18	654	82	20	18	29.7	13	47	1.3	28.4	18	28	263	4	31	152	111
28 D	21	45	782	15	26	622	160	12	35	44.3	2	48	5.3	39.0	23	33	337	3	02	61	276
29																					
30																					
31																					
Mean			748			634	114			31.5			4.0	27.6			256			122	133
No. days			28			28	28			28			28	28			28			28	28

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 9 Agincourt H = 15,000 γ + March 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	695	690	696	696	685	669	663	668	680	696	665	706	721	701	653	616	644	663	690	693	708	722	706	703	685
2	703	724	717	705	699	699	699	704	707	674	674	691	695	686	675	678	686	680	685	698	727	722	711	717	698
3	720	706	716	706	733	710	707	702	706	716	716	702	703	707	705	677	658	663	673	702	724	740	727	723	706
4	729	722	724	719	721	724	719	722	716	719	722	719	710	715	705	686	680	676	696	705	719	708	720	724	712
5	731	725	727	716	708	712	718	719	721	724	729	725	716	702	686	672	678	680	685	698	729	725	730	724	712
6	727	720	714	721	727	725	726	733	731	732	733	733	729	722	710	704	696	695	703	720	742	751	750	760	725
7	768	762	754	749	749	747	749	739	742	743	739	738	739	737	722	704	699	708	724	737	748	751	740	725	738
8	720	717	711	722	728	719	721	727	729	736	736	737	735	730	722	706	696	709	719	729	737	747	744	740	726
9 Q	742	740	739	739	733	734	735	735	739	740	739	737	729	720	708	695	694	702	716	732	745	749	747	744	731
10 Q	742	742	740	740	739	742	745	747	745	745	747	746	739	728	710	696	691	694	704	720	735	744	749	749	732
11 Q	751	750	752	751	750	750	750	749	746	748	749	751	745	735	715	696	695	702	716	736	744	750	750	749	739
12	749	732	734	734	732	718	719	731	737	739	739	739	734	741	715	701	689	702	708	704	716	729	741	739	726
13	744	744	733	725	729	736	738	737	736	736	735	734	724	711	705	697	683	683	693	703	725	727	729	735	723
14	744	744	742	739	731	736	752	738	734	736	737	734	731	720	709	692	682	686	701	710	722	731	739	744	726
15	743	744	744	744	739	746	746	745	743	744	744	738	734	721	698	684	675	674	689	704	725	742	747	749	728
16 Q	744	747	750	751	751	752	752	750	750	752	753	748	740	726	709	702	705	709	722	734	749	757	754	751	740
17	752	754	754	745	743	748	739	742	747	749	749	748	743	735	722	714	708	712	720	729	739	745	749	749	739
18	750	749	749	750	755	764	756	755	753	750	747	748	745	740	735	734	734	732	742	752	751	751	765	749	748
19	753	754	751	752	751	749	749	750	751	751	752	749	744	738	724	710	714	724	741	746	750	746	746	751	744
20	753	751	749	746	748	749	750	752	751	751	749	748	738	724	710	714	718	730	746	752	747	748	745	745	742
21	749	750	751	755	753	755	752	752	753	754	746	745	742	725	717	701	692	695	709	723	732	746	738	739	736
22 Q	745	747	746	748	745	745	746	746	744	744	742	736	728	715	696	687	687	692	705	719	727	736	747	751	730
23	754	748	739	736	743	739	744	746	747	754	747	745	741	725	702	680	675	688	706	713	725	738	744	752	730
24	756	751	740	736	741	743	746	744	744	745	749	747	736	721	701	685	677	678	702	717	736	745	751	756	731
25	756	760	759	742	712	715	728	707	715	729	734	732	722	703	659	636	671	696	733	772	728	704	720	712	718
26 D	720	727	729	725	725	727	727	729	737	742	709	637	645	585	689	661	671	664	696	726	778	925	935	859	728
27 D	817	879	632	441	507	321	128	036	414	544	647	583	571	493	341	403	577	657	719	786	801	802	760	661	563
28 D	647	663	661	666	600	669	676	666	635	688	671	602	599	632	559	558	657	676	691	784	847	998	1090	800	697
29 D	815	715	649	642	647	556	619	600	636	595	607	621	624	616	624	614	641	671	691	708	710	702	704	709	655
30	708	704	707	706	697	684	656	703	676	647	709	693	697	697	676	671	669	669	685	714	725	744	735	727	696
31	725	729	724	713	717	714	712	710	704	707	723	719	708	699	696	681	678	682	704	740	757	761	771	734	717
Mean	740	738	727	718	717	710	705	703	715	720	724	717	713	702	684	674	681	690	707	726	740	754	758	741	717

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt — D = 7° W + ...′ — March 1959

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	18.9	15.7	15.7	05.7	10.4	10.7	20.3	18.1	11.1	12.1	17.5	17.9	16.9	12.0	14.4	19.1	23.5	24.0	26.9	27.1	25.3	20.7	21.1	21.7	17.8
2	18.9	18.8	15.3	14.8	18.2	16.1	18.1	10.2	11.1	17.0	22.6	21.1	13.0	12.5	16.7	17.9	19.5	20.4	22.9	24.1	19.8	21.4	21.6	19.4	18.0
3	18.6	16.7	19.6	12.9	08.1	16.6	14.8	14.3	24.2	16.9	14.9	17.1	17.3	13.3	13.2	11.0	16.2	18.8	23.0	24.5	26.2	22.5	23.1	21.0	17.7
4	20.8	19.2	19.1	17.6	17.4	16.8	21.6	22.5	17.1	12.4	12.9	14.5	18.3	16.5	12.1	14.8	18.9	22.1	23.3	25.3	26.7	24.6	22.1	20.9	19.1
5	19.8	16.6	17.0	17.6	15.3	15.1	16.7	19.4	21.7	18.0	15.9	15.1	12.6	11.1	11.0	15.7	20.7	23.9	29.0	29.8	26.5	24.9	23.5	21.2	19.1
6	19.0	17.7	16.7	16.7	16.9	16.9	16.7	17.8	18.5	17.6	17.1	15.4	13.8	12.9	11.2	14.2	19.7	23.4	25.4	25.6	25.0	23.0	21.0	19.7	18.4
7	18.8	19.1	18.2	18.6	17.9	18.1	18.1	15.9	15.6	16.0	16.6	15.7	12.5	11.1	11.1	14.3	19.1	25.2	28.8	29.6	29.0	25.9	27.1	24.1	19.4
8	24.0	14.3	12.0	13.0	14.8	12.2	13.8	14.8	16.1	16.7	16.9	15.7	13.4	12.1	11.1	11.5	17.2	22.1	23.2	24.4	24.7	23.5	21.0	20.3	17.0
9 Q	21.2	20.3	18.5	18.2	18.7	17.5	17.3	16.7	16.2	15.7	15.3	14.3	12.0	09.3	11.1	15.2	19.8	24.5	25.5	24.9	22.6	19.8	18.7	18.9	18.0
10 Q	19.0	18.5	18.2	18.0	18.0	18.0	17.7	17.6	17.2	16.0	14.9	13.5	11.5	09.3	09.4	13.0	17.3	21.2	22.9	23.4	22.9	21.4	20.0	19.9	17.4
11 Q	19.4	18.5	18.0	17.9	17.9	17.9	17.0	16.1	15.7	15.7	14.4	13.0	10.7	10.0	08.7	12.2	17.0	20.7	23.4	24.9	24.3	22.2	20.1	19.8	17.3
12	19.2	19.8	18.9	17.9	18.0	13.9	13.5	16.1	15.2	14.8	13.6	13.8	17.6	16.1	10.4	17.9	20.2	25.2	24.8	25.6	23.6	21.5	19.8	18.9	18.2
13	18.0	17.8	18.5	16.2	17.1	15.7	16.8	16.6	16.0	15.7	15.1	15.7	13.9	14.3	14.0	13.6	18.8	25.3	26.3	26.4	26.2	25.1	23.1	20.3	18.6
14	18.8	17.9	17.6	17.1	16.4	17.5	16.9	13.3	14.0	15.7	14.8	15.2	12.5	08.7	08.7	11.0	16.6	22.1	24.5	25.6	25.9	24.4	21.9	19.9	17.4
15	18.7	17.9	10.6	12.5	15.2	16.6	17.0	16.6	16.5	16.6	15.6	17.0	10.4	06.3	05.7	09.9	15.3	22.2	27.0	28.7	27.6	24.8	21.2	19.0	17.0
16 Q	15.4	18.0	17.1	16.7	16.5	14.5	15.0	16.1	16.2	16.0	15.1	13.4	11.5	09.9	10.9	14.2	18.4	21.6	24.5	26.0	25.8	23.6	21.3	19.6	17.4
17	18.0	17.6	17.1	16.9	17.0	15.1	14.8	14.0	15.5	15.8	15.6	15.4	12.2	09.4	09.6	11.4	13.9	17.1	22.2	24.2	23.2	20.3	17.9	19.0	16.4
18	18.5	18.1	18.3	17.9	18.2	20.2	19.1	18.6	19.4	17.7	15.3	14.8	12.6	10.2	10.9	13.8	17.0	21.2	23.5	24.1	22.9	21.3	19.7	18.8	18.0
19	18.4	17.6	17.4	17.3	16.7	15.6	14.9	15.3	15.2	15.1	16.0	13.3	10.7	10.8	10.0	14.4	18.5	21.9	23.6	24.2	22.5	21.6	20.7	20.2	17.2
20	19.0	18.4	17.5	17.1	17.1	16.5	15.7	15.4	14.2	14.1	14.4	14.8	13.7	12.0	12.1	15.8	18.9	21.3	22.2	21.3	21.3	20.8	19.9	19.9	17.2
21	19.0	18.6	19.0	18.3	17.6	17.3	16.8	16.4	16.5	15.4	13.9	13.5	11.8	09.7	11.5	13.1	20.9	26.8	27.2	25.6	23.3	21.4	20.0	20.3	18.1
22 Q	19.4	19.2	18.6	18.2	18.0	17.2	16.3	15.5	15.8	15.7	14.9	12.5	09.5	08.4	08.4	13.7	19.6	23.4	25.3	25.9	24.5	22.3	20.7	19.6	17.6
23	19.0	18.6	18.1	16.4	17.3	13.1	14.8	15.3	14.9	15.2	13.6	12.8	11.2	10.6	08.9	11.2	19.5	27.2	27.2	28.0	26.0	22.6	20.3	19.0	17.5
24	19.6	19.6	18.9	17.0	16.8	17.5	17.5	15.6	15.2	14.4	14.8	13.1	07.3	04.7	06.2	12.3	18.2	23.4	27.6	28.4	25.5	21.9	19.3	18.5	17.2
25	18.5	18.2	18.1	13.3	12.7	16.2	14.8	10.3	12.6	14.9	14.3	12.5	09.0	05.3	04.6	13.2	30.7	29.3	29.9	30.7	31.8	28.1	22.0	20.9	18.0
26 D	21.1	19.5	18.7	18.6	18.7	18.2	18.0	17.1	15.8	12.7	12.6	22.9	06.6	06.6	28.9	20.7	23.2	29.9	36.1	23.2	30.6	25.3	17.7	18.7	20.1
27 D	21.7	26.1	27.3	22.4	15.8	27.2	27.2	10.0	09.8	22.9	18.0	09.8	24.4	24.5	55.5	35.6	20.7	19.5	18.7	08.3	05.8	06.7	16.8	18.9	20.6
28 D	21.4	20.5	20.8	20.0	34.3	16.9	14.9	18.6	17.7	17.3	08.7	22.4	23.4	12.5	27.2	34.4	35.4	22.6	16.8	19.1	16.0	06.4	04.2	24.4	19.8
29 D	16.7	14.3	09.1	06.0	11.4	17.2	22.5	15.1	13.2	30.4	36.2	24.6	19.6	15.2	27.0	20.7	16.8	26.5	27.3	26.2	25.0	24.8	21.8	20.6	20.3
30	19.8	18.9	06.6	11.5	14.9	17.4	21.5	12.3	15.7	26.1	15.2	16.8	16.8	14.5	14.6	16.8	20.3	25.4	26.1	26.7	27.1	23.2	22.6	22.5	18.9
31	19.9	17.3	16.7	18.0	18.8	17.9	13.5	15.3	13.5	20.4	16.8	16.6	14.9	14.0	13.8	16.8	18.5	22.6	25.7	22.5	24.3	25.0	20.2	20.6	18.5
Mean	19.3	18.4	17.2	16.1	16.8	16.7	17.2	15.7	15.7	16.8	15.9	15.6	13.6	11.4	13.8	15.8	19.7	23.2	25.2	25.0	24.3	22.0	20.3	20.2	18.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Agincourt — Z = 56,000 γ + — March 1959

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	282	282	258	203	170	172	125	106	154	180	146	150	174	189	183	204	224	229	217	210	228	245	246	251	201
2	242	225	217	210	178	154	178	188	179	157	143	150	162	186	194	205	207	205	223	234	264	254	236	226	201
3	217	224	211	214	178	175	195	190	178	175	187	190	194	197	193	187	190	204	206	211	223	242	234	233	202
4	224	217	213	211	205	198	175	151	172	184	190	181	186	192	190	184	192	196	217	223	230	219	211	206	199
5	209	210	206	210	209	204	196	187	175	184	193	198	199	199	196	189	192	198	203	202	214	217	222	215	201
6	214	217	219	216	210	203	199	191	193	199	201	203	202	199	194	186	191	194	195	198	200	201	197	194	201
7	189	189	196	201	202	203	197	200	204	205	203	199	195	193	191	188	192	197	207	212	222	233	243	255	205
8	292	290	259	237	222	207	202	206	207	210	212	213	213	213	210	199	199	205	209	215	218	223	218	215	221
9 Q	212	215	215	215	213	211	209	207	205	204	205	206	208	204	199	195	200	205	207	209	211	209	205	203	207
10 Q	201	200	199	199	199	199	199	197	197	198	198	199	199	197	194	190	189	192	194	195	198	197	196	194	197
11 Q	196	195	194	193	192	193	192	191	191	192	193	195	198	195	188	187	191	197	200	200	201	197	196	193	194
12	194	203	204	199	196	192	199	199	197	194	182	191	192	186	186	197	193	198	198	201	204	205	205	201	196
13	198	200	200	201	201	188	193	194	194	195	194	197	197	201	200	196	197	199	199	198	202	210	213	208	199
14	201	198	196	195	197	198	171	180	181	187	192	197	202	199	196	189	191	192	190	192	194	196	201	201	193
15	197	195	192	182	189	192	192	192	192	192	190	192	192	192	188	183	186	187	190	192	196	200	201	201	192
16 Q	198	200	198	197	195	194	192	193	193	194	194	194	193	188	186	183	181	180	182	184	189	194	198	194	191
17	194	192	192	192	192	189	186	189	192	192	192	192	192	191	189	189	188	185	184	186	190	196	201	196	191
18	192	192	191	192	191	189	188	189	191	191	191	191	193	191	187	182	177	178	183	188	193	197	196	192	189
19	191	189	189	189	189	190	189	189	188	188	187	187	193	193	190	187	185	182	186	185	192	193	193	193	189
20	190	189	190	193	191	191	191	187	185	187	187	190	191	191	184	180	178	181	190	199	199	196	194	194	190
21	192	191	190	187	187	188	187	187	187	183	183	189	190	188	187	180	181	182	183	188	196	199	199	196	188
22 Q	192	191	190	189	188	188	189	189	189	189	188	190	193	191	187	178	177	179	181	187	193	197	201	201	189
23	192	193	197	200	196	184	184	193	190	184	188	197	199	199	196	190	190	193	193	195	200	205	201	198	194
24	196	197	200	200	196	193	189	192	193	193	194	195	193	191	188	185	183	193	206	208	207	204	196	191	195
25	189	188	186	198	206	205	194	186	202	203	202	203	203	199	188	189	196	203	209	249	248	222	206	196	203
26 D	200	199	197	194	192	194	195	195	196	194	152	059	102	139	109	173	194	210	248	289	301	393	383	308	209
27 D	316	385	092	127	226	196	068	-056	153	165	191	171	166	153	164	241	373	399	385	384	359	356	328	237	232
28 D	251	236	229	224	092	195	213	209	137	170	184	169	160	186	177	199	215	227	316	376	375	383	332	238	229
29 D	390	368	324	184	218	125	052	140	160	146	133	141	172	206	213	226	267	257	240	252	256	239	224	220	215
30	219	221	215	200	198	193	143	173	169	122	185	191	203	206	207	210	210	214	221	227	232	237	227	221	202
31	216	213	210	216	212	201	191	196	182	164	189	194	196	204	210	207	207	214	221	240	250	247	271	244	212
Mean	219	220	205	199	195	190	180	178	185	185	186	184	189	192	189	193	201	206	212	220	225	229	225	213	201

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt — March 1959

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	12	13	731	15	13	600	131	6	27	37.4	3	29	2.3	35.1	1	01	295	6	26	49	246
2	1	15	747	9	34	648	99	5	00	33.3	0	14	5.1	28.2	0	11	294	4	54	113	181
3	4	38	759	16	45	649	110	2	39	32.3	4	23	-6.9	39.2	21	23	254	4	53	151	103
4	0	13	735	18	00	672	63	20	05	27.4	14	41	9.7	17.7	20	18	235	8	19	143	92
5	20	48	739	15	15	668	71	18	59	31.0	14	25	9.4	21.6	22	20	223	8	40	161	62
6	23	10	763	16	41	694	69	19	04	26.5	14	16	10.8	15.7	2	40	221	16	57	185	36
7	0	37	772	15	55	696	76	19	32	30.2	13	58	9.7	20.5	23	59	265	15	40	187	78
8	21	33	750	16	38	691	59	0	38	27.6	2	05	0.2	27.4	1	58	318	5	37	193	125
9 Q	21	22	749	15	36	685	64	18	32	25.9	13	30	8.6	17.3	2	21	216	15	35	195	21
10 Q	23	59	751	16	40	689	62	19	43	23.7	13	32	8.5	15.2	0	50	202	16	10	187	15
11 Q	22	43	757	16	08	691	66	19	22	25.9	14	20	8.3	17.6	19	17	204	15	15	185	19
12	0	07	755	16	32	677	78	17	08	27.4	14	48	4.8	22.6	1	25	207	10	38	174	33
13	1	17	748	16	49	678	70	17	57	26.7	14	00	11.2	15.5	22	42	215	5	22	183	32
14	6	08	757	16	37	675	82	20	18	26.2	13	07	7.5	18.7	0	01	205	6	20	158	47
15	3	07	753	17	21	670	83	19	12	29.1	14	22	4.0	25.1	21	25	202	3	12	175	27
16 Q	21	43	763	15	28	701	62	20	02	26.7	13	22	9.6	17.1	2	20	201	17	07	179	22
17	2	33	755	16	18	653	102	19	30	24.6	13	32	8.4	16.2	22	38	203	6	57	182	21
18	22	16	775	22	38	709	66	18	50	24.4	13	46	8.9	15.5	22	06	207	22	38	172	35
19	1	00	756	15	15	705	51	19	12	24.9	14	44	8.3	16.6	21	30	196	16	57	179	17
20	19	27	756	14	42	703	53	18	01	22.6	14	42	10.6	12.0	19	55	201	16	50	176	25
21	9	01	759	17	02	682	77	18	02	27.8	13	28	7.6	20.2	21	22	203	15	34	176	27
22 Q	22	33	764	16	01	679	85	19	18	26.3	13	57	5.6	20.7	22	33	206	16	01	175	31
23	9	40	760	16	07	665	95	19	21	28.7	14	38	7.5	21.2	21	52	207	5	43	172	35
24	23	19	764	17	27	674	90	19	18	29.1	13	42	3.0	26.1	19	33	209	16	07	178	31
25	19	59	791	15	04	607	184	16	52	34.4	15	04	-0.4	34.8	19	58	265	14	55	176	89
26 D	21	43	1113	13	49	493	620	13	58	46.2	13	41	-3.0	49.2	21	37	506	11	18	-18	524
27 D	1	45	1290	(6	37	-193)	(1483)	6	10	136.1	6	48	-65.2	201.3	2	42	591	6	50	-211	802
28 D	22	23	1175	4	27	509	666	23	30	62.9	22	43	-9.6	72.5	22	07	242	23	14	9	233
29 D	0	13	945	2	36	330	615	10	55	42.6	2	44	-10.8	53.4	0	28	440	6	12	-23	463
30	21	48	753	9	21	619	134	9	11	33.9	3	02	4.2	29.7	21	21	241	9	16	72	169
31	22	34	785	16	48	672	113	18	40	26.6	8	48	11.2	15.4	22	27	294	9	44	152	142
Mean			805			622	183			33.8			2.9	30.9			257			135	122
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 13 Agincourt — H = 15,000 γ + — April 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	721	721	716	712	716	698	683	694	714	717	716	708	695	677	662	658	658	668	688	703	711	718	724	728	700
2	728	728	728	728	726	726	728	731	731	726	718	718	716	713	701	695	705	711	723	732	756	750	741	729	724
3	734	730	726	723	722	726	723	723	716	715	714	698	698	701	696	698	702	714	725	733	736	745	753	739	720
4	733	733	727	732	731	731	732	732	731	726	726	724	707	692	683	681	688	701	720	726	743	749	744	739	722
5 Q	739	739	739	741	734	736	737	738	741	741	739	731	721	705	691	675	677	693	706	716	733	749	751	753	726
6	752	740	742	744	746	748	747	745	746	746	747	747	738	726	702	679	674	685	707	732	735	735	732	743	731
7	749	747	743	743	741	740	735	735	740	738	736	731	724	718	702	688	691	700	725	749	755	762	766	743	733
8	732	725	718	715	718	716	715	721	711	700	711	717	702	725	710	668	659	663	699	733	732	781	763	808	718
9 D	837	724	726	737	691	578	640	710	698	712	736	738	726	715	700	689	674	678	696	723	752	783	750	750	715
10 D	753	744	744	718	724	728	694	621	580	704	727	719	669	638	639	631	631	681	646	683	717	724	690	693	687
11	694	691	702	710	698	684	674	685	706	712	715	713	717	711	694	678	684	699	727	738	748	764	738	722	708
12	714	732	725	726	727	730	734	726	729	732	732	726	711	701	690	681	675	686	694	708	718	738	726	727	716
13	729	723	730	734	739	739	737	737	746	744	740	732	728	719	703	687	675	677	694	711	737	742	734	740	724
14	734	738	717	729	734	737	735	734	735	738	737	734	725	709	696	705	709	715	721	732	742	743	744	749	729
15	736	731	726	732	733	737	739	739	737	738	737	733	726	714	698	698	709	716	734	719	731	740	744	742	729
16	743	737	733	737	740	738	740	744	751	747	747	743	739	717	693	690	702	717	734	741	747	753	752	751	735
17	749	749	751	752	751	751	752	749	749	747	743	742	734	717	714	710	714	715	729	734	732	743	751	755	739
18 Q	746	727	730	736	740	743	742	744	745	742	744	746	741	729	714	708	709	714	729	738	746	752	752	754	736
19 Q	754	754	755	754	754	754	754	752	757	760	753	747	742	737	729	727	737	752	744	754	748	749	744	749	748
20 Q	746	748	749	751	754	752	749	750	753	758	753	747	734	722	719	722	722	729	731	750	756	756	752	749	744
21	747	741	737	726	729	735	737	745	750	738	722	734	731	720	700	702	715	729	741	742	740	737	737	741	732
22 Q	740	743	740	740	742	742	742	742	744	745	744	741	730	712	698	692	695	709	727	740	745	750	749	747	733
23 D	747	746	747	747	746	749	747	748	747	753	765	753	750	731	721	688	690	724	746	808	1001	893	720	703	757
24 D	696	695	701	696	689	720	707	709	706	703	703	681	645	662	673	660	664	668	682	695	733	736	729	731	695
25	726	725	730	723	718	705	701	702	711	717	709	714	700	703	684	677	660	661	704	776	748	781	781	735	716
26	728	746	720	709	727	730	727	734	729	735	742	729	719	714	705	683	686	689	720	740	765	760	765	756	727
27	747	725	731	726	718	714	720	715	710	715	706	698	711	718	705	695	693	698	704	715	736	744	759	759	719
28	744	737	729	721	720	715	722	711	709	722	711	726	722	701	687	688	697	713	731	747	763	784	799	774	728
29 D	745	728	727	731	734	737	719	703	714	716	704	705	706	693	695	686	678	704	716	732	751	749	742	744	719
30	737	727	728	723	715	719	718	705	728	729	723	722	723	686	650	671	666	688	729	769	741	734	724	723	716
31																									
Mean	739	732	731	730	729	725	724	724	725	731	730	727	718	708	695	687	688	700	716	734	750	755	745	742	724

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt D = 7° W + ... ′ April 1959

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	21.4	17.8	18.2	20.7	17.0	13.4	12.3	14.4	18.7	18.4	18.3	17.0	15.9	14.1	15.9	18.9	21.3	23.7	25.0	24.6	23.4	22.0	21.3	21.4	19.0
2	20.6	19.7	20.1	19.6	19.1	18.5	17.8	17.2	16.8	16.7	15.8	16.1	13.6	10.4	10.4	16.9	22.1	25.0	26.5	26.2	26.3	25.5	25.0	23.2	19.5
3	19.7	20.2	18.7	19.1	18.7	17.8	17.5	16.9	14.8	16.3	15.9	16.8	15.3	11.3	12.8	16.3	21.8	26.0	25.6	23.8	21.7	19.9	19.1	19.6	18.6
4	20.5	22.4	18.2	16.2	18.1	17.6	16.7	15.7	15.8	14.8	15.7	12.2	10.5	11.3	14.6	20.0	23.5	27.8	28.5	28.1	26.1	23.5	21.4	20.5	19.2
5 Q	21.2	19.2	17.7	19.4	18.4	17.8	17.0	16.8	16.3	15.8	14.4	11.8	10.1	08.9	10.8	17.3	23.3	26.4	26.9	26.0	24.2	22.5	20.9	19.6	18.4
6	18.2	16.9	18.1	18.8	18.0	17.2	16.9	16.8	16.2	16.2	15.1	12.4	11.2	08.8	09.4	12.9	21.5	28.9	31.1	29.6	27.6	26.1	22.7	19.9	18.8
7	19.8	19.6	19.7	18.9	18.0	16.8	15.3	14.7	15.4	15.3	14.4	12.8	11.0	13.1	12.9	16.3	22.4	28.1	30.1	29.7	28.2	25.0	22.7	21.8	19.2
8	21.5	19.5	15.8	14.8	13.1	13.1	13.0	13.6	10.6	16.8	16.2	11.8	15.5	16.0	09.8	11.9	21.0	27.3	32.1	30.7	28.2	26.0	23.8	18.3	18.4
9 D	11.0	17.8	07.7	08.0	15.9	20.7	16.1	13.6	16.9	17.3	14.2	11.6	09.7	08.6	10.0	14.2	18.9	23.6	24.6	28.0	24.8	22.4	23.3	21.7	16.7
10 D	21.5	21.0	15.1	10.6	17.1	16.0	21.7	25.2	03.3	07.1	09.7	07.5	12.0	28.1	37.8	23.6	27.7	31.1	33.4	32.6	26.4	24.0	23.9	22.2	20.5
11	19.2	11.4	13.6	16.7	09.8	10.8	22.5	23.0	19.4	15.5	17.0	15.4	10.5	09.0	12.6	17.8	25.0	28.8	30.3	30.1	26.7	25.3	21.5	19.2	18.8
12	21.0	19.2	19.7	17.2	16.3	17.0	16.9	17.0	16.5	16.8	16.2	13.9	13.9	11.8	12.7	16.9	23.4	28.0	30.1	28.4	26.0	21.8	20.0	20.0	19.2
13	18.8	16.4	17.8	19.0	18.6	17.6	16.2	20.9	15.5	14.4	14.4	13.4	14.6	10.5	10.8	15.4	20.5	24.6	28.0	27.3	24.9	20.9	19.4	17.4	18.2
14	18.2	17.6	08.9	13.6	17.9	16.3	14.2	15.1	14.2	13.7	12.4	10.1	08.8	09.0	11.8	17.2	21.7	24.8	26.7	25.1	23.3	22.2	21.6	20.7	16.9
15	18.5	15.3	18.2	19.8	18.5	16.2	13.4	15.7	15.4	16.1	14.5	13.6	10.8	11.4	13.6	16.7	21.1	23.3	23.0	24.4	22.8	21.5	20.8	19.9	17.7
16	18.0	15.3	17.0	17.0	17.3	16.1	16.2	17.9	16.2	15.9	18.4	16.7	12.7	12.1	14.8	20.1	23.0	25.4	26.2	25.2	23.8	22.2	20.7	20.1	18.7
17	20.0	19.4	19.2	18.3	18.1	17.4	16.7	16.2	18.1	18.1	18.3	14.3	13.3	15.2	18.9	20.9	25.3	28.5	28.8	28.6	27.3	23.5	20.0	16.9	20.1
18 Q	17.0	17.0	16.0	17.1	17.6	17.0	16.8	16.3	16.1	15.7	14.6	13.0	10.9	10.5	12.5	16.1	21.2	24.0	25.5	25.2	24.6	23.3	21.6	20.3	17.9
19 Q	19.6	19.1	18.2	17.9	17.0	16.6	16.5	16.0	16.4	16.0	16.9	13.6	11.7	12.2	13.5	17.3	21.6	23.7	24.6	23.8	22.5	21.4	19.7	20.0	18.2
20 Q	19.1	19.0	18.8	17.9	17.6	17.0	15.7	15.9	15.5	16.0	14.2	11.8	09.2	12.4	13.7	17.3	21.8	24.9	26.7	26.2	24.6	22.1	20.6	19.3	18.2
21	17.1	17.8	18.2	14.6	13.0	15.3	15.8	17.0	13.6	14.4	14.7	11.0	09.6	10.1	12.0	18.5	21.1	22.8	23.9	22.8	21.6	20.6	20.3	19.3	16.9
22 Q	18.4	18.2	18.5	18.8	18.2	18.0	17.8	17.4	17.0	16.5	14.6	12.2	09.8	10.1	12.6	18.0	21.9	26.3	28.9	28.4	25.6	22.4	19.9	19.1	18.7
23 D	19.1	19.0	18.9	18.4	18.3	18.0	17.3	16.5	16.2	14.8	11.2	04.5	06.9	03.3	08.6	13.1	24.5	31.3	34.5	38.6	19.0	14.3	28.0	26.3	18.4
24 D	24.5	22.7	21.9	20.4	18.7	17.7	18.9	16.2	14.4	16.1	12.6	08.0	10.9	15.4	17.5	22.3	23.4	26.2	25.2	24.7	24.3	22.6	19.0	18.8	19.3
25	19.5	15.1	16.5	18.1	10.9	08.9	14.0	15.2	17.9	20.1	15.7	11.8	09.9	09.1	10.8	13.4	17.1	25.5	27.8	24.7	24.4	22.3	19.3	19.9	17.0
26	21.2	18.0	14.6	16.2	22.6	19.9	19.2	20.2	22.5	18.7	15.4	14.2	15.6	12.8	13.6	13.6	16.1	22.3	25.6	26.9	26.5	25.5	24.1	17.8	19.3
27	16.8	15.9	15.5	13.8	12.4	18.1	18.2	12.2	12.4	14.4	11.9	15.6	12.5	16.3	18.5	20.6	22.7	21.1	22.9	24.4	24.5	22.8	21.3	19.1	17.7
28	19.3	19.7	17.1	15.5	15.3	16.0	18.0	13.1	19.8	10.2	15.2	14.3	11.9	11.2	15.6	20.5	21.2	22.8	23.4	23.4	22.7	21.7	21.6	20.8	17.9
29 D	19.8	12.4	20.8	17.1	17.5	13.4	13.8	19.3	13.1	11.9	15.5	20.0	12.9	14.3	22.7	23.6	22.6	26.9	28.4	27.2	23.5	19.5	18.3	17.4	18.8
30	20.1	19.6	18.4	17.4	17.5	17.0	21.1	24.2	17.9	17.0	15.3	14.1	12.9	11.2	18.7	23.6	25.3	26.3	23.7	22.6	25.6	24.7	21.8	17.2	19.7
31																									
Mean	19.4	18.1	17.2	17.0	16.9	16.4	16.8	17.0	15.5	15.6	15.0	13.1	11.8	12.0	14.3	17.7	22.1	25.9	27.3	26.9	24.7	22.6	21.4	19.9	18.5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Agincourt $Z = 56{,}000\ \gamma +$ April 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	235	225	231	216	207	183	190	211	216	220	220	220	221	216	214	214	211	215	216	216	218	215	213	216
2	211	209	208	208	208	208	208	208	207	204	203	202	198	197	196	198	203	204	204	210	223	232	236	234	209
3	228	224	224	226	220	216	213	208	204	211	214	206	202	204	204	193	197	199	200	204	207	212	220	219	211
4	223	225	222	203	204	208	208	208	204	201	206	204	201	199	194	186	186	190	199	208	210	212	209	205	205
5 Q	203	204	201	200	201	201	200	201	201	200	202	201	199	196	196	194	197	199	207	209	208	206	205	204	201
6	202	202	203	203	202	200	199	198	198	198	200	201	201	198	193	193	190	196	211	220	222	223	215	209	203
7	204	201	199	198	198	200	200	202	200	200	200	198	198	196	195	190	186	190	200	205	216	221	224	228	202
8	234	242	245	233	221	215	208	193	156	159	173	181	187	181	186	181	190	198	212	221	227	248	287	361	214
9 D	357	282	299	292	159	110	134	173	155	160	202	209	215	214	209	205	199	200	207	215	217	235	230	218	212
10 D	213	208	242	240	224	208	150	051	-077	057	182	187	161	155	131	143	212	238	239	260	293	289	256	230	187
11	229	226	214	197	186	173	140	131	142	162	171	192	205	202	195	187	187	190	198	205	218	239	253	253	196
12	222	217	213	213	212	210	205	208	210	210	210	211	206	201	193	189	191	197	202	209	214	219	217	214	208
13	212	211	210	207	205	203	201	187	189	199	204	203	196	191	191	191	191	193	202	207	218	218	217	215	203
14	209	206	206	205	202	199	191	179	189	199	203	207	210	210	208	205	199	197	197	195	205	212	218	224	203
15	237	236	221	212	207	202	197	203	201	203	205	207	206	207	203	202	203	201	205	206	207	207	207	206	208
16	206	205	205	205	201	197	198	197	193	196	200	194	199	204	201	199	197	200	203	204	211	212	210	206	202
17	203	202	201	200	200	200	197	197	194	189	182	182	188	192	194	192	191	193	199	207	210	211	211	212	198
18 Q	213	215	209	203	201	199	197	197	196	197	199	203	200	198	192	183	179	172	180	188	194	199	201	199	196
19 Q	197	197	196	197	196	197	194	195	194	194	192	194	195	194	191	188	186	188	192	195	196	202	207	206	195
20 Q	203	198	196	196	196	195	194	194	194	194	195	195	193	187	177	170	169	174	185	194	199	201	199	197	191
21	197	199	194	188	185	187	194	196	187	166	161	179	188	194	192	194	188	188	194	197	201	199	201	199	190
22 Q	197	196	195	195	195	194	196	196	195	195	195	196	193	190	188	190	196	194	195	199	199	197	193	193	195
23 D	193	193	192	192	192	192	192	193	193	193	197	191	191	183	179	171	174	193	213	271	401	339	259	233	213
24 D	227	225	219	212	207	230	227	218	210	203	201	199	182	166	174	179	188	188	198	210	237	249	236	222	209
25	218	217	200	210	193	176	175	179	191	189	194	203	199	194	194	196	203	217	230	246	242	246	249	218	207
26	205	212	220	207	175	172	166	171	163	175	191	191	188	196	199	197	196	197	213	222	233	239	262	254	202
27	228	224	216	215	217	208	136	162	181	194	191	182	179	185	189	195	205	216	224	233	242	247	265	249	208
28	234	227	223	218	211	197	167	177	132	158	160	169	185	189	191	194	197	202	213	230	249	267	288	284	207
29 D	265	246	224	216	218	205	192	179	175	187	188	171	179	182	187	182	191	209	255	273	265	251	237	238	213
30	230	225	224	225	225	218	201	169	196	206	203	203	206	202	206	212	225	239	291	294	264	249	242	235	225
31																									
Mean	221	217	215	212	203	198	189	185	179	187	195	196	196	194	192	190	194	199	209	218	228	230	229	226	204

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt — April 1959

Day		Horizontal Intensity						Declination						Vertical Intensity					
		Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +		Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
		h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1		23	27	731	15	58	655	76	18	20	30.0	6	04	10.5	19.5	1	49	238	7	02	158	80
2		20	44	751	15	29	692	65	23	14	28.1	14	00	7.8	20.3	22	45	239	13	50	192	47
3		22	04	763	11	44	689	74	18	00	26.5	13	30	10.7	15.8	0	01	230	15	56	190	40
4		21	27	751	15	12	676	75	18	58	28.9	12	57	10.0	18.9	2	00	228	16	10	184	44
5	Q	23	27	755	16	00	666	89	18	12	27.5	13	39	7.7	19.8	19	05	212	16	00	191	21
6		0	17	754	16	56	669	85	18	48	32.1	13	30	8.1	24.0	21	20	224	16	48	186	38
7		21	58	769	15	35	682	87	18	08	31.1	12	30	9.3	21.8	23	59	231	16	31	181	50
8		23	58	835	17	05	651	184	18	18	33.7	11	58	8.0	25.7	23	35	392	9	56	137	255
9	D	0	29	1025	5	42	525	500	19	12	30.0	1	04	-3.3	33.3	0	23	408	5	41	42	366
10	D	11	06	774	8	14	432	342	14	31	69.2	8	46	-29.0	98.2	21	07	303	8	29	165	138
11		21	43	781	6	23	668	113	18	11	31.9	1	27	6.2	25.7	23	02	284	7	02	120	164
12		22	03	746	15	55	669	77	18	33	30.7	13	15	9.8	20.9	22	05	224	15	43	185	39
13		20	53	756	16	44	666	90	7	23	31.1	14	02	8.2	22.9	20	55	224	7	47	172	52
14		23	38	766	14	16	689	77	18	45	27.0	2	48	0.9	26.1	23	36	230	7	34	172	58
15		22	47	753	15	34	693	60	19	30	24.8	1	13	6.9	17.9	1	08	262	6	12	189	73
16		22	04	758	15	52	686	72	17	57	26.8	13	08	11.0	15.8	20	52	213	8	15	190	23
17		23	37	760	13	35	701	59	19	02	29.8	11	58	11.5	18.3	22	12	216	11	18	179	37
18	Q	23	43	757	16	07	702	55	18	22	26.2	13	23	10.2	16.0	1	12	218	17	35	168	50
19	Q	9	03	762	15	49	720	42	18	17	25.2	13	07	11.3	13.9	22	18	209	16	45	185	24
20	Q	20	29	760	15	07	716	44	18	40	27.4	12	52	8.4	19.0	0	01	205	16	25	165	40
21		0	01	755	14	37	688	67	18	43	24.1	12	44	8.4	15.7	20	58	204	10	15	148	56
22	Q	21	03	752	15	57	687	65	18	57	29.4	12	36	8.9	20.5	20	30	201	13	30	187	14
23	D	20	50	1123	15	00	659	464	19	34	43.0	13	36	-5.5	48.5	20	33	496	15	00	160	336
24	D	20	53	750	12	45	626	124	16	47	28.6	5	00	-1.9	30.5	21	41	257	5	05	147	110
25		22	05	808	17	05	654	154	18	29	28.6	5	00	-2.4	31.0	19	53	260	7	03	152	108
26		22	00	781	15	40	671	110	19	22	28.3	23	59	10.9	17.4	23	22	271	4	21	146	125
27		22	47	771	17	18	686	85	6	01	31.3	10	26	10.2	21.1	22	41	274	6	05	99	175
28		23	51	825	14	32	682	143	23	58	24.6	10	00	8.5	16.1	22	57	334	8	32	115	219
29	D	21	18	767	13	53	653	114	2	06	31.3	2	44	0.0	31.3	19	35	278	5	52	158	120
30		19	07	807	14	09	627	180	7	08	29.6	13	20	7.5	22.1	19	09	331	7	19	150	181
31																						
Mean				788			663	126			30.6			5.6	24.9			263			160	103
No. days				30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 17 Agincourt — H = 15,000 γ + — May 1959

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		725	729	733	732	734	735	736	734	740	734	729	727	725	715	697	688	687	698	712	728	754	763	752	748	727
2		741	742	736	723	721	726	734	747	744	745	742	739	730	716	705	702	711	725	743	760	775	768	749	755	737
3		752	754	754	750	749	752	752	757	759	754	752	751	750	744	728	709	722	747	760	765	783	768	759	750	751
4		752	753	758	755	755	752	760	760	772	765	750	752	751	745	734	744	760	769	768	769	776	806	794	801	763
5		801	743	749	739	726	726	729	729	738	732	724	714	705	684	691	701	705	714	730	736	742	741	742	741	728
6	Q	745	746	747	749	749	748	750	749	752	752	747	749	736	720	720	738	752	761	772	774	770	765	757	753	750
7		751	755	753	752	753	754	756	758	757	769	765	762	756	746	740	730	731	738	754	759	768	782	780	790	757
8	D	780	755	765	775	772	738	731	703	679	695	662	671	701	705	712	713	709	719	739	750	746	753	771	781	730
9		747	747	739	742	746	746	756	749	751	755	751	735	739	728	705	712	698	704	744	763	768	765	774	754	742
10		752	754	755	752	747	752	759	753	749	745	757	750	738	726	711	695	707	724	741	755	765	784	774	751	746
11		758	756	751	755	758	765	761	760	759	752	753	738	727	727	717	702	714	733	777	786	814	799	800	856	759
12	D	894	859	836	843	838	787	760	731	547	635	689	673	647	684	685	729	540	715	763	769	765	749	746	753	735
13		741	739	734	731	730	741	737	739	729	724	725	704	709	707	695	676	700	723	748	749	754	770	756	746	729
14	Q	745	741	739	734	737	740	741	740	740	741	744	737	723	707	724	732	751	755	762	762	752	752	750	746	741
15	D	744	755	758	742	739	738	738	752	764	750	734	732	735	695	714	710	728	723	752	774	791	815	830	759	749
16	D	761	729	700	705	686	643	555	622	662	706	726	720	709	705	703	702	716	730	734	751	756	751	765	747	708
17		743	743	740	740	739	743	747	739	740	730	731	723	721	726	720	704	695	719	746	759	765	763	765	765	738
18		766	749	744	752	710	706	729	724	715	720	714	731	721	705	704	706	724	732	741	767	760	782	777	757	735
19		748	748	741	742	729	739	741	744	739	724	709	707	714	721	702	689	700	724	748	769	779	782	771	746	736
20		753	740	747	748	746	746	743	740	739	738	734	737	737	728	714	706	707	734	762	779	785	776	773	754	744
21		760	755	757	773	752	743	736	737	737	731	731	734	734	732	711	707	705	719	732	744	754	763	765	747	740
22		754	770	758	742	748	752	752	744	733	742	747	742	734	710	693	703	737	732	755	756	769	795	781	796	748
23		771	744	738	737	744	749	755	757	752	743	737	740	730	724	712	707	719	735	745	768	762	751	747	766	743
24	D	776	757	742	746	752	752	654	659	694	713	688	701	706	675	701	679	692	716	734	754	812	858	985	868	742
25		824	751	752	732	744	734	725	701	700	721	737	731	721	713	697	692	701	727	754	751	770	771	769	754	736
26		760	756	745	742	741	744	745	745	743	742	737	742	737	735	731	728	734	743	750	763	769	768	776	771	748
27	Q	766	756	755	759	753	755	752	750	746	746	746	749	746	742	741	740	744	751	762	767	768	776	771	756	754
28	Q	757	761	765	762	761	765	760	759	759	761	755	750	747	746	746	752	761	773	786	794	790	788	781	773	765
29	Q	770	769	767	766	765	762	765	765	765	764	762	762	760	751	747	754	773	790	804	805	801	792	780	766	771
30		773	780	780	777	776	775	775	771	771	772	777	773	768	758	751	744	749	771	781	798	791	780	780	780	773
31		782	782	780	775	752	756	766	773	777	762	752	749	729	689	714	723	746	762	777	786	791	765	784	795	761
Mean		764	755	752	751	747	744	739	738	734	738	736	733	729	720	715	713	717	736	754	765	772	776	778	769	745

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt — D = 7° W + ... ' — May 1959

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	19.7	19.5	19.0	17.4	24.8	15.3	14.0	14.3	15.2	15.7	12.1	14.0	15.3	11.0	10.5	16.3	20.7	25.2	26.9	27.9	25.0	22.1	20.1	18.9	18.4
2	18.3	17.7	17.4	13.6	14.4	17.5	19.5	16.3	16.9	16.2	14.6	12.6	11.7	12.9	16.0	20.2	23.8	26.2	25.4	22.6	20.1	19.5	20.1	20.5	18.1
3	21.0	19.7	19.0	17.9	17.0	17.2	17.1	17.7	15.5	14.8	13.7	13.7	13.4	14.0	16.1	19.0	22.5	23.9	22.9	22.6	20.1	20.1	20.2	19.4	18.3
4	20.2	19.4	18.6	18.3	16.9	15.3	14.6	14.6	15.5	18.3	10.0	07.5	07.3	09.8	13.6	20.1	24.6	23.8	23.3	21.9	20.1	19.5	19.0	21.7	17.2
5	05.3	05.3	16.0	06.2	14.8	16.5	14.7	14.6	12.5	11.5	10.8	07.2	07.2	09.5	13.6	20.2	24.3	27.0	27.1	26.6	24.4	22.3	21.0	20.6	15.8
6 Q	20.0	19.6	19.6	18.7	18.0	17.7	17.2	16.8	16.1	14.2	12.5	10.5	09.9	13.1	17.6	24.8	28.3	29.9	29.8	27.3	23.8	21.0	19.2	19.1	19.4
7	19.4	18.3	18.5	18.9	18.2	17.7	16.9	16.4	15.4	13.4	10.1	07.9	07.7	09.1	11.8	15.5	21.0	25.3	26.9	25.3	23.8	20.9	18.3	16.3	17.2
8 D	12.7	15.5	16.9	17.0	06.5	04.8	07.4	18.0	02.7	15.0	13.2	16.8	10.2	12.6	07.1	12.3	19.9	24.0	26.1	26.4	25.7	21.9	18.9	14.8	15.3
9	18.1	17.5	12.9	15.7	17.2	17.2	16.4	15.3	17.5	16.2	14.6	11.9	11.0	10.0	11.0	18.3	20.5	23.9	28.7	28.2	24.0	22.0	19.0	16.5	17.6
10	16.5	18.2	18.0	16.6	16.6	16.1	17.4	19.0	17.5	23.6	15.6	09.4	07.9	08.4	12.0	17.4	21.0	24.0	29.3	28.2	25.4	23.0	18.2	18.1	18.3
11	14.4	11.9	17.6	17.3	17.0	18.1	24.7	16.3	16.5	19.3	17.4	11.9	09.9	07.3	12.2	16.5	20.2	22.6	21.8	23.7	22.0	18.1	18.3	15.1	17.1
12 D	16.2	10.6	15.4	00.0	26.1	09.9	15.0	25.0	42.4	12.3	14.4	09.7	12.7	09.2	13.6	16.5	00.6	38.2	28.7	24.2	21.9	21.5	15.6	16.3	17.3
13	19.0	19.4	20.2	20.1	16.0	19.4	20.2	21.5	28.8	21.2	17.2	17.2	13.2	13.2	14.3	16.5	19.3	21.6	23.6	22.6	19.0	13.5	16.4	19.2	18.8
14 Q	19.6	19.5	19.3	19.5	19.2	19.5	19.3	19.0	18.7	17.4	15.8	16.4	18.1	19.6	20.9	21.4	23.7	23.8	23.0	22.6	21.3	20.0	19.4	19.6	19.9
15 D	19.2	15.9	16.5	17.5	17.5	18.4	18.5	17.0	17.5	16.9	17.0	13.0	09.3	10.2	18.4	21.1	22.8	21.3	22.7	19.3	17.2	14.4	13.8	13.9	17.1
16 D	09.9	15.0	17.4	24.6	08.6	15.7	47.2	29.9	11.4	19.9	12.8	09.5	09.5	12.6	17.4	21.5	23.7	25.8	27.0	25.2	22.4	20.4	17.3	18.3	19.3
17	20.0	20.8	21.0	20.0	19.0	18.2	17.3	15.2	21.1	19.8	15.5	14.5	16.0	12.8	15.3	18.7	25.4	26.8	26.4	24.4	22.6	20.3	17.9	16.5	19.4
18	15.3	14.9	10.1	15.2	21.8	16.4	13.8	16.5	15.5	16.5	10.9	09.4	12.5	16.4	21.7	25.8	25.3	27.5	25.8	24.0	22.6	16.6	18.4	18.6	18.0
19	21.0	18.5	17.3	17.3	19.1	19.3	18.5	17.5	17.0	19.6	21.9	15.6	12.6	11.7	16.8	22.8	28.4	27.8	25.4	23.8	19.4	17.3	17.2	15.1	19.2
20	18.2	16.3	16.7	18.1	17.6	15.1	16.1	17.3	18.6	15.8	10.2	07.3	08.1	10.2	11.9	17.6	24.8	29.1	28.9	27.9	24.0	20.5	18.2	18.6	17.8
21	20.7	19.3	16.0	18.4	16.7	12.1	16.8	16.8	16.2	18.6	13.6	06.7	06.3	08.4	11.3	15.6	18.5	22.1	23.7	23.4	22.7	19.7	17.9	18.2	16.6
22	19.3	17.6	17.3	14.1	16.9	17.6	17.3	15.6	17.6	16.2	10.7	08.3	08.1	09.5	13.8	22.5	24.6	23.1	25.5	26.0	25.3	20.1	19.1	17.3	17.6
23	17.2	15.8	08.7	10.0	16.6	17.9	17.2	16.1	14.6	12.7	09.0	07.5	08.0	08.7	10.6	15.3	19.4	23.3	25.6	24.2	23.1	21.9	20.3	19.4	16.0
24 D	19.3	13.5	12.1	16.1	17.6	12.7	27.1	20.6	09.6	08.7	10.8	08.0	01.1	02.2	11.0	11.5	22.8	26.5	25.6	24.3	21.3	17.7	14.1	16.1	15.3
25	13.0	22.3	20.3	21.9	20.9	20.4	10.1	11.8	12.2	17.7	13.4	12.5	10.6	11.6	12.5	16.9	19.7	20.9	22.4	24.5	23.1	21.7	20.3	19.9	17.5
26	15.4	19.3	19.9	20.1	20.0	19.7	19.5	18.6	18.2	16.4	14.1	11.5	10.0	12.0	15.8	19.0	20.4	23.1	27.4	27.5	24.2	22.7	20.3	19.2	18.9
27 Q	19.1	19.4	20.9	19.4	17.6	18.2	17.8	17.3	16.1	14.0	12.4	10.6	11.2	10.9	13.4	16.8	12.1	22.9	24.4	24.0	22.7	20.9	19.7	19.7	17.9
28 Q	20.0	20.0	19.5	18.2	18.1	17.2	15.8	15.4	15.1	14.1	12.7	11.0	10.8	11.7	12.7	15.5	17.7	19.6	21.0	21.2	20.2	19.7	19.7	19.3	16.9
29 Q	20.0	20.2	19.7	19.1	18.4	17.7	17.1	16.6	16.3	15.7	14.1	12.7	12.8	14.6	18.0	22.6	25.8	26.9	26.5	24.5	22.3	20.9	18.9	18.9	19.2
30	19.7	19.4	18.6	17.6	17.3	16.9	16.8	16.2	15.4	14.3	12.2	06.9	05.4	06.3	10.7	18.5	21.6	23.7	24.2	22.7	21.5	19.7	17.9	16.8	16.7
31	16.3	17.4	17.1	14.6	14.5	13.3	16.3	17.7	17.8	15.2	11.4	07.2	05.3	06.5	15.5	21.9	25.7	25.9	26.4	23.4	19.3	20.4	18.4	15.8	16.8
Mean	17.6	17.3	17.3	16.8	17.4	16.4	18.0	17.5	16.8	16.2	13.4	10.9	10.0	10.8	14.1	18.7	21.8	25.0	25.6	24.5	22.3	20.0	18.5	18.0	17.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Agincourt $Z = 56,000\ \gamma +$ May 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	216	210	207	203	147	165	175	167	174	171	162	158	163	173	182	188	194	200	209	215	221	233	232	226	191
2	217	212	210	207	209	206	201	205	205	205	205	202	200	200	201	200	202	200	199	203	208	210	210	210	205
3	203	199	198	199	200	199	197	191	188	197	197	195	192	194	194	191	194	199	203	206	211	213	215	216	200
4	209	199	200	197	197	200	196	197	194	172	171	181	182	185	188	191	192	195	203	211	219	228	237	241	199
5	316	242	258	220	249	194	231	224	219	213	210	199	198	193	194	191	193	197	205	212	212	209	207	205	216
6 Q	205	201	201	201	200	202	201	201	200	201	201	196	195	191	188	191	199	200	197	196	197	197	195	194	198
7	195	197	196	196	196	197	197	196	196	197	197	196	193	188	188	189	191	189	195	197	197	202	203	203	195
8 D	211	210	202	197	143	097	149	083	069	095	074	121	160	173	184	191	188	182	188	197	202	201	210	222	165
9	210	210	220	210	200	191	179	191	197	200	202	191	190	191	185	189	193	194	202	205	208	211	216	212	200
10	208	202	200	196	195	189	172	160	172	172	184	196	197	197	197	193	195	197	207	199	197	211	219	207	194
11	206	206	202	200	193	193	196	165	169	172	179	174	179	191	194	186	182	193	207	210	229	224	217	237	195
12 D	229	269	254	227	169	131	141	089	-144	082	138	164	169	188	177	196	187	306	241	217	219	216	232	224	180
13	214	213	206	204	196	201	199	196	159	155	177	175	180	183	187	194	199	196	202	204	217	241	235	217	198
14 Q	210	207	206	204	202	203	204	202	204	205	204	197	187	183	180	180	186	187	194	203	205	208	203	202	199
15 D	204	206	198	192	194	199	199	201	198	165	161	141	165	189	202	187	172	194	230	246	274	313	332	304	211
16 D	256	234	170	138	095	101	008	089	138	186	216	219	211	207	207	213	222	225	229	230	234	232	246	239	189
17	222	212	207	207	205	205	200	193	191	182	187	183	176	183	188	189	204	213	221	218	221	216	211	211	202
18	216	212	193	198	101	124	156	108	142	163	189	200	197	191	185	185	194	205	218	232	239	270	260	230	192
19	210	207	200	193	199	203	201	202	203	188	133	138	149	169	177	185	195	197	206	222	233	240	247	240	197
20	218	217	211	206	200	191	191	197	196	197	198	193	191	188	186	187	188	195	208	225	249	252	243	231	207
21	222	225	213	212	204	189	192	205	207	203	188	192	191	188	188	185	181	189	209	229	243	256	249	225	208
22	210	211	212	212	208	205	201	188	182	180	194	194	197	193	188	179	181	188	202	209	221	241	242	249	204
23	241	243	206	197	199	199	188	182	188	187	194	199	199	198	197	191	189	191	200	213	224	229	225	221	204
24 D	219	222	217	215	210	166	032	095	114	173	115	112	160	172	174	170	181	187	194	204	234	316	382	348	192
25	339	252	254	226	214	192	141	134	133	182	209	212	205	203	207	211	208	211	218	216	230	241	246	237	213
26	230	211	205	205	202	201	200	202	202	203	201	202	199	203	203	199	202	210	214	215	216	214	218	216	207
27 Q	216	216	191	180	195	197	196	197	200	199	203	202	202	199	198	192	195	197	197	197	199	200	199	196	198
28 Q	196	196	197	197	197	194	194	195	195	196	196	196	195	191	188	188	188	188	189	189	187	189	192	194	193
29 Q	194	194	194	194	194	194	193	193	193	193	193	193	194	194	194	189	188	194	201	205	205	199	193	193	195
30	192	191	191	189	191	191	191	190	189	192	191	196	196	195	195	191	188	186	187	191	194	197	195	196	192
31	195	192	191	191	174	182	192	196	193	191	191	191	188	192	189	182	180	198	218	255	267	254	249	258	205
Mean	220	213	207	200	190	184	177	175	170	181	183	184	187	190	190	190	192	200	206	212	220	228	231	226	198

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Aginoourt — May 1959

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	21	52	777	16	11	681	96	4	25	29.8	14	19	8.7	21.1	21	50	240	4	30	137	103
2	20	08	785	15	40	701	84	17	36	27.0	3	49	10.8	16.2	0	01	219	12	05	197	22
3	20	25	788	15	50	702	86	17	30	25.0	12	05	12.7	12.3	21	38	219	8	07	182	37
4	21	53	854	13	58	728	126	16	49	25.6	11	17	6.1	19.5	23	59	262	9	40	156	106
5	0	41	833	14	26	654	179	17	45	28.1	3	33	-9.4	37.5	0	22	369	5	20	136	233
6 Q	19	08	776	13	51	711	65	17	21	30.9	12	07	8.8	22.1	0	20	206	14	14	187	19
7	23	32	808	15	25	728	80	18	20	27.3	12	00	6.7	20.6	21	56	211	15	21	185	26
8 D	23	03	834	8	00	671	163	11	12	34.4	8	47	-5.4	39.8	23	04	238	9	57	-9	247
9	22	50	786	14	39	666	120	18	22	30.9	14	30	5.6	25.3	2	41	224	14	23	174	50
10	22	07	804	13	43	647	157	18	24	31.1	12	09	5.5	25.6	22	08	230	9	35	149	81
11	23	41	939	15	50	698	241	6	42	34.0	13	27	5.3	28.7	23	36	258	6	50	133	125
12 D	0	46	952	8	49	80	872	8	56	76.7	3	42	-21.4	98.1	17	05	349	8	47	-372	721
13	21	12	778	15	55	664	114	8	50	33.9	13	31	11.8	22.1	21	30	247	8	58	124	123
14 Q	18	57	768	13	40	700	68	17	15	24.8	11	01	15.0	9.8	0	41	211	15	15	175	36
15 D	22	07	863	13	43	647	216	18	56	24.1	13	45	2.4	21.7	20	08	340	11	10	130	210
16 D	22	48	787	6	08	271	516	6	07	85.8	0	34	-2.9	88.7	0	27	297	6	05	-106	403
17	23	55	779	16	10	679	100	17	00	28.8	13	56	10.9	17.9	0	10	225	12	51	172	53
18	21	46	858	4	51	663	195	4	46	32.8	2	22	5.4	27.4	21	50	304	4	38	22	282
19	20	55	800	15	36	681	119	16	53	30.3	13	06	10.1	20.2	23	01	260	10	41	119	141
20	20	50	799	15	15	696	103	17	38	30.4	11	16	6.4	24.0	20	56	262	14	17	181	81
21	22	30	790	16	17	697	93	20	26	26.0	12	20	4.9	21.1	20	40	261	16	40	177	84
22	23	49	814	15	00	686	128	19	59	27.7	11	59	7.5	20.2	23	50	255	9	20	168	87
23	23	59	785	15	15	703	82	19	05	26.5	2	30	2.4	24.1	1	17	254	7	03	179	75
24 D	22	20	1064	6	45	563	501	6	56	36.8	12	57	-5.6	42.4	22	19	438	6	50	-100	538
25	0	22	931	7	42	678	253	19	15	25.1	0	34	5.3	19.8	0	22	429	8	27	111	318
26	22	55	782	14	29	724	58	18	35	29.0	0	41	7.3	21.7	0	20	241	12	30	196	45
27 Q	21	50	782	14	45	731	51	2	43	25.3	13	40	9.6	15.7	1	42	220	2	45	166	54
28 Q	20	00	798	13	49	742	56	19	20	21.6	11	55	10.0	11.6	4	00	199	20	44	185	14
29 Q	18	57	808	14	31	744	64	17	37	27.5	12	04	12.0	15.5	19	50	207	15	48	186	21
30	19	54	802	16	17	736	66	17	58	25.1	12	02	12.1	13.0	14	16	202	17	13	184	18
31	20	24	825	13	37	666	159	18	30	28.6	12	19	4.4	24.2	20	23	278	4	34	161	117
Mean			824			656	168			32.0			5.3	26.7			263			119	144
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 21 Agincourt — H = 15,000 γ + — June 1959

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		766	748	744	740	739	732	740	739	741	748	749	750	745	735	734	734	741	751	750	761	781	787	779	768	750
2		754	764	760	764	767	751	744	757	746	743	738	740	723	731	725	702	730	747	746	779	786	784	811	807	754
3		769	749	742	742	737	753	745	757	755	748	750	747	734	714	693	702	703	716	737	754	772	761	760	776	742
4	D	781	766	747	755	760	776	748	728	752	739	744	744	747	745	741	748	752	770	776	781	826	779	798	816	763
5		753	744	747	744	741	735	744	749	751	754	761	752	745	734	727	705	697	716	731	742	756	767	779	771	744
6		771	768	766	765	765	770	771	768	768	774	763	766	757	746	754	743	745	735	744	768	778	786	781	760	763
7		753	757	765	772	770	755	760	762	765	762	761	761	754	760	747	748	756	771	777	789	786	782	781	776	766
8		777	776	776	766	767	767	771	780	764	758	765	765	766	764	752	743	760	765	781	772	786	776	775	772	768
9		780	780	773	773	765	766	759	767	755	731	718	718	738	755	741	732	730	752	766	760	768	776	779	767	756
10		781	760	752	789	746	737	750	751	753	747	755	753	751	746	746	745	748	753	752	761	770	769	770	768	756
11		768	762	762	765	765	765	773	765	769	795	778	774	784	780	744	751	740	783	784	779	786	780	767	768	770
12	Q	762	760	758	757	756	756	754	752	752	751	755	755	752	747	743	740	745	751	766	776	780	771	770	775	758
13	Q	768	771	768	771	767	766	763	765	764	767	768	765	757	747	739	739	747	761	777	791	791	794	782	776	767
14		776	778	774	775	772	770	767	768	768	768	770	754	735	741	747	757	752	768	786	795	795	803	795	789	771
15		768	773	774	775	771	773	762	741	748	753	752	746	747	747	734	725	727	739	754	767	780	775	771	769	757
16	Q	775	770	771	772	757	750	757	758	757	755	757	760	757	757	751	742	745	759	780	789	799	785	771	763	764
17	Q	769	770	768	767	767	766	765	766	768	771	772	770	766	761	757	754	758	767	793	809	828	834	799	774	776
18		772	778	776	776	762	767	772	762	760	752	752	743	736	743	743	747	735	751	763	776	790	774	776	783	762
19		774	779	777	775	770	771	760	758	760	763	763	766	751	751	743	740	745	751	776	791	790	778	783	783	767
20		787	777	778	774	776	776	776	772	768	770	772	769	756	749	725	721	736	757	777	778	794	795	803	791	770
21		776	775	774	774	772	769	767	760	756	756	758	760	756	748	738	738	758	778	796	808	812	800	794	780	771
22		782	776	781	774	773	768	775	772	773	769	763	747	745	750	746	736	743	774	803	805	800	798	798	790	773
23		787	780	776	774	778	787	776	774	771	775	768	766	753	746	746	733	742	756	787	806	824	851	854	800	780
24		778	770	744	708	732	737	740	741	745	742	742	739	730	726	719	711	711	726	764	806	812	816	806	773	751
25	Q	766	754	760	762	768	762	756	757	757	754	757	752	744	732	718	710	716	749	779	799	808	805	806	786	761
26		777	762	773	767	759	749	749	745	716	736	726	727	728	719	713	709	718	734	756	772	783	782	770	759	747
27	D	758	762	764	765	764	768	768	768	753	758	759	777	772	776	701	714	712	728	754	788	817	822	852	817	767
28	D	816	773	767	742	736	736	726	693	624	680	700	691	695	655	673	683	711	731	753	785	777	744	763	769	726
29	D	772	763	759	754	746	739	731	703	620	535	565	657	693	703	714	681	682	716	778	819	875	941	899	789	735
30	D	782	761	748	745	749	751	753	743	686	668	642	632	696	673	672	703	701	707	761	785	802	812	787	762	730
31																										
Mean		773	767	764	763	760	759	757	754	746	744	744	745	744	739	731	728	733	749	768	783	795	794	792	779	759

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt — D = 7° W + ... ' — June 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	15.6	16.8	16.4	16.6	14.0	15.7	15.4	16.0	15.2	14.4	09.8	08.2	09.0	09.1	12.4	16.3	20.8	23.1	24.5	23.9	22.0	20.2	19.2	16.2
2	20.0	19.8	19.8	19.3	16.7	18.1	23.6	15.1	14.6	12.7	09.6	10.3	11.8	12.0	13.7	18.1	24.3	25.1	29.2	27.3	24.2	21.3	16.8	16.7	18.3
3	11.5	14.6	15.2	13.7	27.8	16.9	14.2	13.8	17.7	19.5	15.3	12.8	09.7	07.5	09.6	17.0	21.2	26.7	27.9	27.0	24.1	23.3	21.3	19.7	17.8
4 D	19.0	14.3	17.1	19.9	18.6	16.6	14.2	11.9	09.2	03.6	05.4	04.6	04.9	08.1	10.1	12.6	18.1	23.3	24.3	23.2	19.4	22.4	18.3	18.7	14.9
5	18.5	18.3	13.3	14.1	15.5	16.4	18.5	18.9	17.5	16.1	13.3	11.7	10.1	09.4	13.7	17.7	26.1	30.5	29.6	28.9	27.0	25.3	20.1	18.3	18.7
6	17.6	18.7	18.8	17.6	16.5	16.8	17.0	18.7	18.8	15.2	13.6	07.9	08.3	11.1	12.0	13.0	19.5	22.1	26.6	24.6	20.6	18.9	16.0	15.7	16.9
7	15.7	17.6	18.5	17.6	14.8	16.2	17.6	18.2	17.9	15.6	13.6	11.4	10.3	11.9	12.3	16.3	20.6	23.3	23.0	24.9	22.8	21.5	19.1	18.0	17.4
8	17.8	18.0	17.6	17.6	17.7	17.6	17.5	22.1	20.8	15.6	11.0	07.3	06.1	07.0	10.5	15.1	21.6	21.9	20.3	23.0	22.2	21.5	18.2	16.5	16.9
9	14.7	15.3	17.0	16.3	11.8	16.8	16.5	17.4	25.8	24.7	23.8	19.6	14.8	08.9	07.0	11.3	18.9	24.4	24.3	27.0	25.9	20.4	16.7	17.5	18.2
10	15.8	12.5	13.8	15.4	16.3	12.2	16.0	18.5	19.6	22.1	14.2	09.6	07.5	06.9	08.7	13.1	16.6	20.4	24.5	26.3	25.0	24.0	20.7	17.0	16.5
11	15.4	16.7	16.7	16.1	18.1	18.8	18.8	17.9	17.6	19.4	15.3	18.7	10.4	07.0	07.2	18.9	21.9	26.1	26.0	25.7	22.6	19.8	18.6	17.0	17.9
12 Q	17.1	17.7	18.6	18.7	19.0	18.8	18.8	18.0	17.0	15.4	13.4	12.1	10.6	11.4	13.1	17.6	22.5	23.1	26.5	25.8	23.1	23.6	21.0	20.0	18.4
13 Q	18.9	18.9	18.5	18.1	18.3	16.9	17.6	17.7	17.1	16.1	14.5	12.5	10.0	10.0	12.6	17.1	21.7	24.0	24.9	25.3	24.4	22.6	21.1	20.2	18.3
14	20.0	19.5	18.5	18.6	18.3	17.8	16.7	16.2	15.8	14.7	12.6	10.6	12.4	15.2	16.6	21.2	21.8	24.1	23.6	21.4	19.6	16.8	15.0	15.8	17.6
15	17.7	18.0	18.5	18.5	18.0	17.0	15.3	15.0	18.0	14.3	11.4	07.2	07.5	10.3	13.2	17.8	21.0	23.5	24.5	24.1	21.2	20.9	19.0	19.4	17.1
16 Q	17.1	17.7	17.7	16.9	17.9	15.4	17.4	16.8	17.1	15.1	11.7	09.5	10.4	11.2	12.3	15.2	19.6	22.6	24.0	22.6	19.8	19.5	19.8	19.5	17.0
17 Q	18.6	18.5	18.9	18.7	18.5	18.1	17.4	16.7	16.7	15.4	13.3	10.8	09.7	08.8	09.7	13.7	18.9	22.7	25.7	28.1	26.9	23.6	22.3	20.3	18.0
18	20.1	19.7	19.9	18.2	19.2	18.5	18.5	18.0	14.4	11.7	08.9	05.5	04.7	07.5	10.7	16.2	20.8	24.7	27.9	30.4	28.1	24.7	21.7	19.7	17.9
19	18.6	18.0	18.9	12.6	17.7	16.8	14.0	15.8	15.0	14.4	11.2	07.5	06.3	07.8	11.3	17.2	20.4	24.3	27.2	28.8	27.6	25.3	21.2	18.9	17.4
20	17.6	14.0	17.1	19.6	19.1	18.5	17.9	16.8	15.5	13.5	10.8	08.3	06.1	04.8	08.4	14.1	21.1	25.8	28.3	30.8	29.2	25.3	22.1	18.9	17.6
21	17.7	19.4	19.5	18.9	18.8	18.8	18.5	15.7	15.8	13.7	10.4	06.3	06.3	07.0	07.9	13.2	23.8	29.2	33.0	31.8	28.6	24.2	20.8	18.9	18.3
22	18.0	19.4	16.2	17.1	17.3	18.5	18.5	17.8	16.2	10.9	05.3	04.8	00.6	03.7	06.6	12.8	19.6	25.4	27.2	28.8	27.0	25.9	22.8	19.9	16.7
23	17.6	18.9	18.1	17.7	17.6	18.0	16.7	16.1	15.9	14.1	10.8	08.3	07.3	06.7	09.7	11.9	16.8	19.9	24.4	27.8	25.3	22.4	18.0	15.5	16.5
24	18.1	10.5	12.3	10.6	15.0	16.7	21.5	25.1	21.5	17.0	13.1	10.1	08.5	09.0	11.9	19.2	24.0	26.3	26.7	25.2	25.8	22.3	19.4	18.6	17.9
25 Q	19.1	20.1	20.5	20.5	20.3	19.6	19.8	18.9	17.1	15.4	12.1	09.8	09.4	10.3	13.8	20.8	25.4	27.8	29.7	29.9	27.3	24.2	20.5	18.6	19.6
26	18.7	17.7	17.9	14.9	14.5	13.7	14.9	16.0	19.6	13.7	07.0	03.8	02.9	05.9	12.0	18.0	22.6	26.7	29.1	27.8	23.9	20.7	19.5	19.0	16.7
27 D	18.9	19.7	19.6	19.5	19.8	19.5	18.8	20.0	23.6	21.7	15.0	04.8	01.1	03.0	02.1	22.4	16.3	24.3	29.5	25.0	21.7	20.4	15.8	16.8	17.5
28 D	19.3	18.0	15.8	17.1	14.0	12.5	11.6	09.7	25.8	12.8	07.6	05.8	10.4	19.9	17.7	22.2	23.3	25.8	27.6	24.9	22.6	20.8	17.6	14.9	17.4
29 D	12.6	16.0	16.7	15.5	14.4	14.6	16.2	15.9	19.6	32.7	06.1	02.5	11.8	04.7	12.1	16.2	19.0	21.3	20.3	13.7	14.3	04.3	08.4	17.0	14.4
30 D	17.8	13.1	20.9	20.5	18.9	22.2	19.9	15.8	26.9	26.4	16.3	26.4	11.3	11.5	20.1	28.9	27.8	25.4	25.1	23.1	20.9	18.0	18.3	18.9	20.6
31																									
Mean	17.4	17.2	17.6	17.2	17.6	17.1	17.3	17.0	18.1	16.3	12.0	09.7	08.3	08.9	11.2	16.7	21.1	24.4	26.1	25.9	23.8	21.5	19.0	18.2	17.5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 23 Agincourt $Z = 56,000\ \gamma +$ June 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	222	217	212	210	205	205	201	205	208	210	210	203	197	196	191	191	193	194	191	198	211	218	218	206
2	211	205	199	194	191	191	160	166	166	180	183	186	180	179	172	169	181	186	194	213	231	234	253	266	195
3	246	221	211	192	121	151	174	186	187	179	174	169	176	182	188	193	185	191	200	213	227	227	217	207	192
4 D	205	222	218	203	196	155	113	132	163	156	164	169	179	180	177	167	168	177	188	197	227	230	247	278	188
5	266	230	206	195	185	174	191	199	201	203	203	202	198	193	194	190	194	191	196	201	206	215	214	212	202
6	205	199	199	194	191	189	187	192	180	187	182	191	187	180	175	176	185	185	192	199	200	215	222	219	193
7	213	204	197	194	180	182	191	192	192	194	194	194	191	187	182	180	177	176	180	186	189	194	197	197	190
8	197	194	192	193	191	191	189	169	140	172	182	187	188	191	187	182	182	177	186	187	201	207	217	211	188
9	205	199	193	187	172	151	174	185	163	096	116	133	138	156	167	160	167	163	173	182	191	205	216	205	171
10	174	212	209	150	149	174	185	188	188	185	186	194	192	188	188	186	185	181	183	193	197	196	194	200	187
11	203	197	194	194	191	191	191	189	191	188	161	156	139	157	163	180	183	189	185	189	197	202	203	200	185
12 Q	194	191	188	188	189	188	187	188	188	192	191	190	187	184	185	181	177	174	174	181	185	185	185	187	186
13 Q	186	187	186	186	185	185	186	187	187	188	189	190	188	185	186	185	182	176	180	187	190	197	194	192	187
14	191	189	187	188	188	187	187	187	188	188	188	188	187	185	182	177	175	173	170	169	180	197	203	205	186
15	199	195	191	188	187	179	172	144	138	164	183	183	182	181	182	180	177	179	185	186	189	188	188	193	181
16 Q	195	193	189	178	170	182	187	187	187	185	186	187	186	187	187	188	194	196	192	188	199	207	205	200	190
17 Q	195	194	191	191	191	191	191	192	191	194	194	194	196	197	194	187	174	169	180	180	187	205	210	205	191
18	198	195	198	195	198	199	194	188	178	188	198	199	189	183	186	183	183	182	181	190	204	214	211	202	193
19	198	195	194	190	191	169	175	188	192	192	187	186	186	186	182	182	183	177	178	188	194	191	192	195	187
20	195	197	192	191	188	187	188	188	188	190	192	191	183	181	176	173	173	173	180	180	181	186	197	201	186
21	197	192	188	189	188	188	183	182	189	195	197	195	198	198	189	184	186	174	170	173	183	190	195	192	188
22	193	189	189	189	188	189	187	181	167	175	180	172	172	177	170	166	167	165	168	174	172	176	186	192	178
23	195	192	192	187	175	163	174	178	183	189	189	188	184	180	178	173	173	168	186	198	225	256	278	257	194
24	224	226	140	085	157	165	163	168	189	196	198	199	199	199	205	207	199	199	217	232	219	214	214	215	193
25 Q	211	202	196	190	181	184	191	195	194	195	194	195	193	193	193	189	180	174	176	184	191	197	204	211	192
26	219	211	202	199	160	179	171	136	115	120	129	158	169	171	183	190	196	205	212	205	198	201	205	200	181
27 D	195	196	195	195	195	194	193	190	182	176	168	163	158	158	150	158	176	209	221	213	219	251	285	267	196
28 D	277	281	225	164	173	203	202	176	126	159	158	146	139	123	149	180	193	207	212	224	248	246	234	229	195
29 D	229	215	208	198	182	181	163	134	030	071	010	128	176	202	188	181	195	237	275	311	325	365	282	241	197
30 D	270	262	222	210	209	184	147	171	116	062	060	059	127	160	166	178	178	206	243	280	287	281	246	220	189
31																									
Mean	211	207	197	187	182	182	180	179	170	172	172	177	179	181	181	181	182	185	192	200	208	216	217	214	190

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt — June 1959

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	21	19	794	14	10	724	70	18	50	24.8	14	27	7.4	17.4	0	01	257	19	20	187	70
2	23	35	839	15	38	690	149	19	01	32.5	11	40	7.8	24.7	23	44	285	6	45	100	185
3	23	20	791	15	03	677	114	4	26	32.1	3	44	6.4	25.7	0	01	260	4	04	97	163
4 D	20	45	854	6	48	715	139	17	55	25.7	9	50	-0.8	26.5	23	52	312	6	19	97	215
5	0	01	802	16	33	678	124	18	08	31.0	2	48	7.0	24.0	0	08	325	5	05	156	169
6	21	26	807	17	24	724	83	18	45	27.3	11	20	7.1	20.2	22	38	228	15	29	170	58
7	19	24	793	15	13	682	111	19	50	26.2	12	31	9.7	16.5	0	01	220	5	55	156	64
8	18	15	822	14	55	730	92	7	53	23.9	11	57	5.6	18.3	22	30	222	8	20	133	89
9	0	20	807	10	46	690	117	9	00	37.1	14	21	3.7	33.4	22	05	218	9	10	71	147
10	3	45	825	4	53	719	106	3	57	40.5	3	30	3.5	37.0	2	42	219	3	48	93	126
11	9	11	820	14	54	673	147	11	51	28.0	14	55	3.1	24.9	9	11	212	12	13	132	80
12 Q	20	15	798	15	47	735	63	18	27	28.3	12	52	10.3	18.0	0	01	196	17	01	170	26
13 Q	21	30	798	15	13	733	65	19	32	25.6	13	23	8.4	17.2	21	31	200	17	29	174	26
14	21	56	812	12	52	726	86	18	00	24.9	11	55	7.5	17.4	23	31	211	18	35	166	45
15	20	45	785	16	08	717	68	19	04	25.1	12	00	5.7	19.4	0	20	200	8	49	123	77
16 Q	20	43	816	15	52	735	81	18	25	24.3	11	02	9.3	15.0	21	45	212	4	17	162	50
17 Q	21	45	848	15	32	750	98	19	23	29.3	13	28	8.5	20.8	21	48	215	16	58	165	50
18	20	27	800	14	07	722	78	19	43	30.9	11	46	3.8	27.1	21	45	217	8	43	170	47
19	20	07	797	15	58	711	86	19	37	29.8	12	38	5.0	24.8	0	42	199	5	32	156	43
20	20	23	812	15	32	713	99	19	57	31.8	13	10	3.3	28.5	23	49	202	15	18	169	33
21	20	21	830	15	34	730	100	18	33	34.7	12	07	5.1	29.6	22	46	202	18	07	166	36
22	19	33	823	15	35	732	91	19	24	30.2	12	30	0.8	29.4	23	50	202	8	14	161	41
23	22	40	922	15	34	718	204	19	01	30.3	13	16	4.8	25.5	22	42	320	5	23	157	163
24	21	49	830	3	07	560	270	3	09	83.1	3	37	-45.2	128.3	19	20	239	2	59	-188	427
25 Q	21	12	820	16	13	705	115	19	13	30.3	13	00	8.5	21.8	23	26	217	17	33	171	46
26	0	10	788	8	55	695	93	8	36	31.2	12	05	1.5	29.7	0	08	220	8	48	88	132
27 D	21	06	871	14	35	666	205	18	29	30.9	14	29	-2.6	33.5	22	25	287	14	22	142	145
28 D	0	10	821	8	21	558	263	3	23	32.0	4	05	4.1	27.9	0	56	309	8	47	100	209
29 D	21	39	980	9	20	464	516	9	11	41.8	10	49	-7.2	49.0	21	25	406	8	03	93	313
30 D	21	00	825	11	22	606	219	11	22	37.9	1	27	5.1	32.8	1	22	300	11	35	11	289
31																					
Mean			824			689	135			32.1			3.2	28.8			244			125	119
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 25 Agincourt — H = 15,000 γ + — July 1959

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	754	752	751	752	748	745	748	751	743	739	735	732	729	724	718	716	727	737	761	775	784	788	779	788	749
2		771	765	748	729	703	705	695	740	732	735	733	729	727	722	716	708	727	750	769	775	778	773	772	763	740
3	Q	764	770	773	765	763	761	759	760	755	757	758	756	755	757	757	761	759	758	764	776	780	784	780	780	765
4		778	778	780	780	779	778	778	778	779	769	760	756	768	774	762	740	749	788	820	801	841	800	785	782	779
5		766	774	775	780	761	754	771	786	776	772	774	774	778	751	744	742	743	748	763	778	789	805	797	784	770
6		779	775	775	775	773	772	774	777	779	770	763	761	756	743	766	768	755	756	767	780	784	803	799	781	772
7		781	778	765	771	772	775	773	780	779	754	756	764	761	741	728	721	729	751	772	779	782	785	778	774	765
8		777	775	776	764	759	761	764	770	765	751	759	758	749	738	728	742	753	756	768	790	799	782	782	777	764
9		770	775	774	772	756	735	725	753	766	763	763	758	739	741	754	744	726	750	772	774	782	760	771	798	759
10		791	755	770	782	776	771	765	759	763	780	775	780	772	754	746	743	743	755	783	795	791	786	785	780	771
11		791	782	771	758	754	761	763	750	760	758	760	754	743	734	733	739	722	791	765	823	836	840	857	923	778
12		965	781	766	780	765	760	758	752	750	750	753	739	698	691	709	718	715	731	745	760	776	782	796	783	759
13	Q	770	773	768	767	757	760	760	755	756	760	761	755	746	732	721	710	734	747	761	772	786	785	809	771	759
14		779	773	777	775	768	759	761	762	747	738	734	736	731	711	717	729	723	716	728	754	772	786	784	778	752
15	D	804	802	781	760	742	738	747	742	684	(048	023)	354	(176)	303	420	405	394	827	(652	1458	1351	1219	1219)	982	735
16	D	812	634	582	630	666	663	660	647	651	666	661	659	652	637	639	655	673	694	735	771	766	783	838	833	692
17	D	749	727	726	746	740	715	708	711	708	690	689	669	664	647	662	658	626	617	945	1214	1249	1356	944	944	796
18	D	812	888	837	647	270	465	590	405	434	533	686	656	692	690	687	677	697	720	766	809	857	880	865	804	682
19		782	745	706	720	694	707	698	719	712	708	700	716	699	691	677	653	670	715	754	783	791	789	791	776	725
20		756	759	754	739	745	745	747	731	716	724	724	724	725	720	706	697	694	708	733	763	776	781	788	783	739
21		745	749	755	771	764	755	757	762	762	761	752	743	729	716	706	691	705	718	741	764	767	788	781	780	748
22		763	767	759	760	756	759	756	751	758	757	756	747	740	720	699	692	722	742	761	775	781	817	803	782	755
23		790	757	748	753	758	763	762	749	751	752	752	753	737	737	722	718	728	747	761	773	780	762	763	783	754
24		768	760	763	766	768	766	757	742	746	753	768	745	761	741	735	728	754	771	768	828	765	814	825	787	766
25	D	763	765	760	741	742	730	748	748	737	718	741	744	738	719	697	719	732	752	784	802	804	792	839	770	754
26		753	758	765	756	761	748	738	737	716	738	738	735	726	706	704	704	727	730	766	781	745	810	778	819	752
27		759	744	769	748	751	749	747	718	737	725	715	730	730	720	715	701	711	725	745	779	810	837	767	768	746
28		754	765	753	747	753	757	759	760	754	750	746	734	740	723	720	713	725	751	753	773	789	790	782	766	752
29	Q	762	763	761	762	746	740	767	760	754	748	753	738	732	718	701	693	701	727	751	763	773	781	773	765	747
30	Q	767	767	768	761	764	763	763	761	761	758	757	758	747	733	716	703	722	742	758	773	789	792	786	776	758
31		744	771	778	774	758	768	762	757	758	751	743	759	748	740	731	725	724	729	751	769	790	826	791	760	760
Mean		779	765	759	753	736	740	744	738	735	715	719	726	716	709	708	704	710	740	796	816	825	828	813	798	753

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt — D = 7° W + ... ′ — July 1959

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	20.1	20.7	19.2	21.9	20.6	19.9	19.5	22.5	21.7	19.5	16.6	13.7	12.0	11.9	14.9	20.4	23.5	26.2	25.5	23.6	22.7	21.5	19.4	16.0	19.7
2	17.1	18.3	18.1	14.4	16.1	12.1	13.4	21.6	21.7	18.6	13.6	11.5	10.8	09.8	12.5	20.7	25.7	26.2	27.2	26.9	26.0	24.2	22.1	21.3	18.7
3 Q	20.9	20.0	19.5	20.8	20.3	19.5	19.5	19.0	18.0	16.3	14.4	12.4	11.7	09.8	09.5	13.5	17.9	22.3	25.0	26.2	27.5	27.1	24.5	21.5	19.1
4	19.7	19.2	19.5	19.0	19.5	19.0	18.6	17.9	16.4	15.7	10.7	09.7	08.9	09.4	11.9	15.2	25.5	27.3	26.3	25.9	27.0	24.1	20.8	18.6	18.6
5	17.7	18.3	18.8	16.7	11.6	13.9	19.8	17.6	18.9	15.9	15.8	08.9	05.9	11.6	13.9	17.7	21.4	25.4	26.8	27.5	25.4	20.8	20.0	19.0	17.9
6	17.8	17.7	16.6	15.4	14.8	15.9	17.7	18.4	20.3	23.2	14.8	08.1	08.5	10.5	12.6	13.2	17.1	21.1	23.5	28.2	28.1	24.7	20.9	19.5	17.9
7	15.5	16.3	13.4	09.4	15.4	18.1	17.1	19.5	26.4	24.6	15.2	13.5	08.4	09.4	10.3	16.2	20.7	22.7	24.8	22.9	23.2	21.1	19.5	17.7	17.6
8	16.8	17.5	16.6	11.9	16.6	15.5	16.0	18.5	19.8	16.9	13.0	15.2	06.6	09.1	13.0	19.8	21.0	24.1	29.3	28.9	25.2	23.5	19.8	17.1	18.0
9	17.0	17.8	16.7	14.8	11.1	13.3	23.6	17.0	15.8	17.2	13.9	10.8	13.7	15.5	09.9	14.1	17.4	25.4	24.1	23.1	21.8	22.6	20.8	15.4	17.2
10	11.7	09.8	09.8	12.5	09.0	14.4	14.8	13.2	16.0	16.1	14.4	11.7	08.4	10.6	13.9	16.8	17.8	19.9	22.6	24.1	24.5	22.1	21.2	19.7	15.6
11	17.5	09.4	13.9	18.6	12.4	14.3	16.8	15.6	16.4	15.3	12.1	12.1	11.3	09.6	08.7	11.4	14.4	16.7	19.6	24.3	25.2	19.2	14.3	09.7	15.0
12	07.8	15.1	17.7	18.5	19.0	20.4	19.9	19.5	20.7	15.8	13.0	13.6	13.4	10.8	11.8	16.5	21.0	26.1	30.5	31.7	29.4	25.8	22.8	19.9	19.2
13 Q	18.4	18.9	19.3	19.6	22.0	19.4	18.6	20.4	27.5	18.0	12.6	10.8	11.7	11.6	13.0	18.9	24.1	26.3	27.5	28.1	27.1	24.4	20.3	19.8	19.9
14	18.6	16.6	15.1	14.0	15.1	22.3	19.4	22.1	22.7	16.7	16.3	13.4	07.9	07.4	12.1	11.4	14.5	20.4	26.7	28.1	27.0	23.8	20.3	18.6	17.9
15 D	16.0	14.9	16.0	12.1	21.1	18.9	19.8	20.9	50.5	24.1	81.8	-11.1	-04.7	-23.1	-09.3	12.8	-28.6	-04.9	15.1	-11.1	-19.4	-11.1	-13.9	22.0	03.7
16 D	25.2	33.0	36.2	33.6	25.3	27.8	33.7	34.9	31.5	27.5	25.0	20.6	18.8	17.9	19.1	20.0	25.2	28.6	28.1	24.6	26.6	26.9	17.2	13.5	25.9
17 D	19.7	23.4	24.0	21.1	22.9	18.1	20.9	20.5	20.0	24.4	16.2	15.4	13.9	13.8	13.0	17.9	19.0	06.9	08.9	-03.2	-03.5	-04.1	31.2	23.1	16.0
18 D	17.9	21.9	10.9	35.8	39.3	39.3	51.4	49.6	38.2	39.7	21.4	15.9	08.9	10.6	10.6	08.6	20.9	26.3	25.1	23.6	20.9	18.9	21.6	22.0	25.0
19	22.6	16.3	19.4	15.9	22.2	22.2	25.4	24.7	28.2	23.2	20.4	13.0	10.7	11.4	11.5	14.9	18.6	19.5	19.0	22.2	21.0	19.8	19.5	19.8	19.2
20	18.2	19.4	19.0	15.8	18.1	17.1	22.3	18.5	23.2	21.5	16.7	13.8	09.8	07.2	08.5	13.1	17.1	22.8	26.2	27.0	27.4	25.3	22.6	17.4	18.7
21	17.7	20.0	18.0	16.4	15.3	14.0	17.7	22.5	20.6	15.9	12.1	10.8	11.5	08.9	12.4	17.1	20.4	24.0	29.6	31.4	30.9	24.2	23.5	20.9	19.0
22	18.2	13.6	19.4	18.4	17.9	15.3	24.8	24.5	20.6	16.5	12.0	09.5	06.9	06.2	08.5	16.1	20.8	22.5	24.9	27.1	28.0	23.6	18.6	18.8	18.0
23	14.9	14.1	18.3	18.4	17.1	14.9	16.4	15.9	17.7	17.7	16.6	12.1	09.7	08.8	10.5	14.8	19.9	23.3	25.8	28.7	29.6	28.3	27.8	23.3	18.5
24	19.9	18.0	20.8	19.9	19.7	18.7	15.4	14.9	18.5	19.5	16.2	10.2	08.4	06.7	10.3	14.0	17.2	18.0	22.3	24.6	26.6	24.5	20.8	20.7	17.7
25 D	20.8	18.5	17.1	18.2	16.9	25.4	16.3	16.9	24.6	29.4	18.9	12.1	10.2	09.8	11.2	12.5	17.7	18.6	17.6	18.6	22.8	23.6	20.7	22.4	18.4
26	23.5	21.3	20.1	15.9	17.7	14.9	25.0	27.3	28.1	17.8	15.0	11.1	08.5	06.9	13.3	16.9	21.1	21.5	21.7	23.0	16.1	17.5	20.8	11.8	18.2
27	20.4	13.1	15.1	15.0	17.0	15.5	16.1	28.8	24.4	20.9	18.3	14.9	10.4	10.3	13.3	16.6	20.6	23.0	27.1	26.8	24.9	17.7	20.7	20.0	18.8
28	16.9	09.3	16.6	17.8	20.4	20.6	22.8	22.3	18.7	16.7	16.1	18.3	13.0	12.1	15.1	18.6	23.2	24.4	26.8	27.3	26.8	24.6	21.5	19.5	19.6
29 Q	19.7	16.1	17.6	08.8	15.0	22.8	22.4	19.5	18.7	16.7	14.4	12.4	10.2	09.8	13.0	16.5	21.3	25.4	27.1	27.8	26.7	24.8	21.4	19.7	18.7
30 Q	19.9	19.7	20.1	18.9	20.0	20.0	19.8	19.0	18.3	17.0	14.8	11.3	10.4	10.8	13.3	17.9	23.2	26.3	27.8	28.1	27.6	23.5	20.8	19.7	19.5
31	19.5	19.6	17.9	18.9	15.0	17.0	14.9	20.4	14.6	18.2	25.3	11.2	07.0	08.4	12.3	16.2	22.1	25.1	27.7	27.5	26.1	18.9	17.1	17.3	18.3
Mean	18.3	17.7	18.1	17.7	18.2	18.7	20.6	21.4	22.5	23.1	18.0	11.8	09.8	09.2	11.4	15.8	18.8	19.1	20.3	24.0	23.2	21.1	20.0	18.9	18.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Agincourt — Z = 56,000 γ + — July 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	207	204	200	185	183	190	191	182	188	196	197	197	200	202	204	201	199	200	197	195	201	204	213	228	198
2	226	218	194	188	138	152	100	123	147	177	196	204	199	194	194	188	188	189	189	192	197	196	195	197	183
3 Q	200	200	201	201	197	196	196	196	196	196	197	199	197	190	185	182	182	185	191	190	190	191	191	193	193
4	193	194	191	191	191	191	191	191	192	188	179	178	175	177	173	166	174	176	182	183	200	214	232	232	190
5	234	219	203	191	138	154	157	142	171	182	172	163	178	178	175	172	177	188	200	206	213	219	213	206	185
6	198	196	195	189	191	188	189	186	186	172	171	179	184	178	171	170	178	180	187	197	203	205	207	207	188
7	209	204	201	192	188	190	191	191	161	125	159	164	173	179	181	180	181	184	191	192	198	201	198	197	185
8	198	196	196	197	183	178	189	185	145	141	156	173	191	192	192	184	185	183	191	201	209	209	208	208	187
9	203	201	196	191	165	146	087	119	165	166	185	192	178	159	172	179	177	183	182	189	207	209	211	216	178
10	226	225	215	203	161	184	178	151	178	191	203	204	201	197	199	189	173	178	186	186	189	195	197	197	192
11	204	210	201	196	184	168	161	183	189	195	199	198	190	180	183	189	180	182	181	197	197	205	231	295	196
12	397	329	244	228	206	190	191	193	192	198	205	199	174	168	188	199	196	198	190	196	204	207	214	221	214
13 Q	220	216	215	194	190	190	184	175	161	185	196	198	192	187	193	191	199	204	212	214	217	214	229	222	200
14	217	211	201	184	163	147	189	168	135	156	165	156	165	177	186	199	207	208	217	216	215	210	205	202	187
15 D	215	228	215	205	175	184	185	176	(-229	-327	-138	173	-144	-052	-022)	149	338	(588	-449)	161	013	321	265	248	103
16 D	279	080	116	049	177	202	202	199	221	234	236	240	240	244	247	258	255	552	254	266	246	254	271	266	220
17 D	235	223	222	213	161	169	154	180	186	150	176	178	185	188	202	211	222	300	321	429	526	543	373	390	256
18 D	283	318	270	094	-046	-023	-080	116	048	124	215	240	257	252	254	254	253	252	274	300	321	315	282	279	202
19	252	241	224	230	193	200	191	200	198	203	211	230	229	241	249	251	263	267	278	269	266	266	260	248	236
20	243	226	216	211	206	202	179	177	162	175	194	213	223	224	221	214	212	209	210	221	218	224	236	262	212
21	249	231	223	183	179	193	194	182	198	209	210	209	200	199	203	203	209	217	223	224	228	241	236	236	212
22	228	221	216	212	206	209	180	187	203	211	213	214	210	204	207	205	199	199	200	211	211	227	243	236	211
23	243	216	219	214	180	133	150	191	203	209	216	216	206	206	209	202	195	197	204	217	228	225	219	227	205
24	224	221	217	215	209	205	202	205	203	199	217	219	214	206	203	193	187	193	205	230	237	255	260	255	216
25 D	237	222	209	228	195	187	193	204	170	132	190	206	210	204	204	212	210	218	245	282	275	262	284	254	218
26	234	238	217	137	168	198	181	158	199	174	201	214	206	207	210	210	223	228	242	260	296	293	275	275	218
27	245	226	163	176	196	178	168	131	156	162	187	204	212	217	232	226	222	219	226	232	248	268	230	223	206
28	223	210	206	209	210	209	179	176	198	208	204	189	187	189	190	189	195	203	215	224	229	231	242	228	206
29 Q	223	213	211	187	177	170	167	203	209	211	213	211	212	209	204	195	198	205	210	212	217	214	212	211	204
30 Q	212	213	206	208	208	208	208	208	208	210	210	210	209	208	205	200	201	204	210	217	220	214	210	204	209
31	206	207	209	209	157	169	180	183	193	200	176	188	196	200	205	207	213	220	225	225	226	244	251	242	205
Mean	231	218	207	191	175	176	169	176	166	166	184	199	189	190	194	199	206	220	193	224	227	241	235	236	201

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt — July 1959

Day	Horizontal Intensity							Declination							Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	23	10	796	14	48	712	84	17	48	27.0	11	57	11.6	15.4	23	10	231	4	10	174	57
2	20	33	781	6	32	666	115	18	05	27.4	5	32	7.2	20.2	0	06	227	6	47	52	175
3 Q	21	34	787	17	00	752	35	20	40	28.1	14	16	8.4	19.7	3	09	203	15	49	179	24
4	20	55	864	15	29	669	195	16	58	29.2	10	48	7.3	21.9	22	32	243	15	25	159	84
5	21	45	817	14	26	719	98	19	50	29.6	12	47	3.3	26.3	0	41	236	4	52	111	125
6	22	05	823	13	23	734	89	19	45	30.1	11	21	5.1	25.0	22	08	214	9	32	164	50
7	3	45	789	15	14	703	86	8	57	33.2	3	17	1.9	31.3	0	10	214	9	14	99	115
8	20	25	807	14	44	714	93	17	54	32.1	12	51	-3.8	35.9	23	05	214	8	38	123	91
9	23	49	807	6	11	713	94	6	24	28.1	4	30	7.5	20.6	23	48	225	6	41	55	170
10	0	14	827	16	03	738	89	19	57	25.3	4	28	1.7	23.6	0	15	234	4	35	113	121
11	23	58	994	16	34	654	340	20	04	27.5	16	31	3.3	24.2	23	59	392	6	00	136	256
12	0	25	1012	13	45	673	339	18	55	32.5	0	12	-7.2	39.7	0	58	466	13	31	161	305
13 Q	22	28	826	15	11	699	127	8	12	31.0	11	21	9.1	21.9	22	30	238	8	16	149	89
14	21	35	806	13	41	696	110	19	04	29.0	12	32	5.3	23.7	0	01	229	5	21	116	113
15 D	(18	40	1906)	(10	45	-318)	(2224)	(9	15	160.9	(18	00	-156.5)	(317.4)	(17	25	789)	(18	40	-876)	(1665)
16 D	0	47	902	1	53	384	518	1	34	61.7	1	20	-65.4	127.1	0	55	315	1	21	-151	466
17 D	(21	08	1809)	16	58	277	(1532)	(22	58	24.9)	20	48	-57.1	82.0	(20	47	748)	9	30	130	618
18 D	2	20	1196	(6	50	384)	(812)	(6	57	140.5)	2	32	-19.4	(159.9)	21	36	342	(4	55	-534)	(876)
19	20	02	824	15	50	637	187	0	13	48.1	0	10	-1.4	49.5	0	07	326	0	12	141	185
20	22	53	808	16	26	674	134	19	58	28.4	13	14	5.6	22.8	23	30	266	8	32	144	122
21	21	04	813	15	09	681	132	20	05	33.2	13	25	6.5	26.7	0	01	263	3	56	157	106
22	21	49	839	15	32	682	157	6	48	29.1	13	20	4.8	24.3	22	40	251	6	28	165	86
23	0	06	806	14	49	714	92	20	12	30.2	0	47	-0.6	30.8	0	41	283	5	37	111	172
24	19	34	853	15	27	718	135	20	40	29.1	13	53	3.0	26.1	22	10	268	16	38	179	89
25 D	22	41	873	14	40	674	199	9	28	34.8	14	16	6.4	28.4	22	48	293	9	13	82	211
26	20	31	874	15	22	669	205	8	00	33.9	13	21	4.5	29.4	20	32	309	3	18	91	218
27	21	10	889	15	44	685	204	7	35	33.3	2	01	2.1	31.2	21	11	295	7	44	106	189
28	22	14	797	15	25	704	93	18	55	28.3	1	15	2.8	25.5	22	21	245	6	53	159	86
29 Q	21	08	783	16	04	688	95	5	54	29.7	3	33	5.9	23.8	0	09	225	6	18	151	74
30 Q	20	57	801	15	18	701	100	19	03	28.4	12	41	9.8	18.6	19	55	221	15	17	197	24
31	22	03	853	15	41	713	140	19	09	29.9	13	04	5.1	24.8	22	04	261	4	26	188	73
Mean			915			629	286			39.2			-5.9	45.1			299			72	227
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Agincourt — H = 15,000 γ + — August 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	760	752	751	748	763	760	754	740	756	763	767	765	756	754	750	724	734	738	764	780	791	789	781	788	760
2	779	751	755	736	718	712	742	756	758	758	755	760	753	734	709	691	712	722	746	783	790	786	768	769	748
3	766	761	754	745	754	766	757	702	764	777	764	743	736	737	730	724	735	758	775	803	786	783	773	761	756
4	755	757	759	754	755	762	767	764	765	751	735	743	717	720	697	730	736	741	758	772	779	797	797	767	753
5	762	763	765	762	760	761	762	758	760	764	765	759	750	738	710	718	742	740	768	788	795	782	776	768	759
6	767	766	763	787	763	758	771	778	783	776	775	763	746	735	728	716	740	742	767	787	795	781	775	768	764
7	761	750	755	763	756	761	768	769	763	765	766	756	754	741	733	714	708	738	758	774	797	795	802	781	760
8	758	755	762	766	770	774	775	772	767	755	751	748	737	739	770	708	731	734	754	765	780	794	810	790	761
9	764	753	752	764	767	769	769	767	765	770	765	739	737	713	691	692	716	714	714	738	757	747	752	757	744
10	763	763	761	742	754	757	761	757	762	761	759	750	783	764	762	720	723	743	763	767	760	766	775	782	758
11	764	763	759	751	755	761	769	773	769	768	766	763	756	743	718	698	723	759	772	777	778	782	769	772	759
12 Q	753	779	775	772	768	767	767	767	769	766	763	755	749	738	727	715	716	742	768	777	777	777	777	782	760
13 Q	766	772	777	777	777	767	763	768	769	772	773	763	752	742	723	729	745	767	793	810	802	791	787	784	770
14 Q	778	783	784	779	762	768	770	773	777	768	763	759	749	726	718	723	741	759	773	777	793	788	788	790	766
15	775	788	785	774	782	782	782	780	779	768	762	766	758	739	715	719	754	793	794	819	825	824	812	782	777
16 D	796	764	766	769	793	780	735	558	522	521	604	519	435	465	576	615	599	737	822	961	966	1050	1058	1054	728
17 D	589	614	522	188	368	399	471	567	568	549	487	532	629	633	636	652	673	745	814	802	820	847	789	752	610
18	736	744	758	778	769	708	686	698	731	742	744	741	731	687	676	669	699	720	728	753	786	752	761	767	732
19	759	765	744	742	713	726	697	717	732	734	732	736	725	721	714	708	722	745	753	748	767	764	766	763	737
20 D	764	764	768	764	803	792	766	809	787	774	753	752	741	725	726	727	738	745	753	781	802	791	776	796	767
21 D	764	762	768	759	747	769	764	756	743	728	741	747	741	719	706	692	685	708	753	800	825	833	791	787	754
22	759	737	744	753	761	751	726	731	758	761	756	754	742	731	713	702	696	717	746	784	824	817	787	763	751
23 D	771	767	758	757	760	735	732	751	756	744	738	781	722	706	689	703	695	690	718	749	772	813	787	791	745
24	765	757	753	748	761	751	756	731	720	744	737	739	734	728	709	700	729	760	782	791	798	784	791	783	752
25	775	763	760	764	781	767	758	756	757	752	736	734	733	724	697	684	700	729	751	763	776	791	787	766	750
26	769	770	768	771	774	774	774	758	757	762	758	757	744	729	716	723	735	747	761	783	787	787	775	773	761
27 Q	772	766	764	769	769	769	770	762	761	761	761	756	751	733	719	713	723	740	759	772	779	776	775	771	758
28 Q	771	771	771	773	773	774	773	770	769	771	771	765	751	730	710	703	722	748	772	786	791	789	784	784	763
29	791	791	781	777	777	778	771	772	773	777	777	765	747	732	696	707	745	752	768	767	774	767	777	780	764
30	786	777	779	781	792	791	787	779	778	767	747	738	728	712	692	679	690	708	727	754	760	769	769	770	752
31	771	773	778	765	773	776	774	776	771	757	745	738	723	723	722	709	713	728	747	767	776	778	768	756	754
Mean	762	759	756	744	752	751	749	746	748	746	742	738	729	718	709	703	717	739	762	783	794	796	790	784	751

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt D = 7° W + ... ' August 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	15.8	14.3	10.8	16.2	14.5	15.1	30.7	13.5	13.5	11.6	11.1	08.5	07.0	09.8	11.3	17.9	21.6	25.6	25.9	24.2	21.5	18.5	16.2	16.2
2	16.6	16.9	13.9	15.9	12.5	19.1	14.3	14.8	13.2	15.2	12.1	08.6	07.2	09.7	12.9	17.9	23.3	26.2	29.1	26.0	23.2	21.2	20.1	17.9	17.0
3	18.7	16.7	10.3	12.1	16.1	18.3	24.7	45.2	20.2	14.3	13.7	14.2	17.0	15.9	20.5	25.4	28.9	31.4	29.3	26.8	26.2	23.5	20.7	19.2	21.2
4	18.9	18.5	18.3	17.0	18.5	20.7	21.2	22.0	19.8	25.3	22.3	12.1	18.7	10.8	17.1	25.3	26.2	28.3	28.1	25.9	24.9	21.7	16.4	16.1	20.6
5	18.5	19.4	18.5	19.0	19.5	18.7	19.1	20.0	19.0	18.0	15.4	12.9	10.7	13.5	15.9	24.5	29.6	28.5	28.0	24.1	21.9	19.5	18.1	17.4	19.6
6	17.8	17.6	17.7	18.2	15.8	16.2	23.5	19.9	22.8	22.5	13.7	12.8	12.6	07.5	10.2	15.5	19.2	23.1	31.5	30.6	24.5	19.6	15.0	08.5	18.2
7	11.2	15.8	15.2	09.6	13.6	17.7	19.8	19.7	19.2	18.1	15.8	15.8	09.7	06.4	10.9	16.6	22.5	25.5	27.7	26.5	21.6	19.5	15.5	13.7	17.0
8	14.9	17.0	17.6	18.0	18.8	18.7	22.9	21.4	22.6	16.8	17.7	10.9	12.8	07.3	09.1	17.1	20.8	23.5	25.9	31.1	26.3	22.9	18.3	15.3	19.0
9	16.6	14.6	16.1	20.1	20.1	19.8	19.4	23.7	25.8	19.2	16.2	22.0	10.7	10.9	14.3	26.4	28.2	28.2	26.8	28.2	23.7	23.5	20.4	18.6	20.6
10	18.6	19.8	14.4	03.6	08.0	17.5	19.5	20.1	18.9	17.2	14.3	11.2	08.9	10.2	16.3	23.4	26.8	31.2	28.4	28.7	28.1	23.8	20.5	17.1	18.6
11	15.8	16.5	15.8	13.7	17.2	22.4	21.5	17.9	17.1	16.2	13.3	10.5	08.7	09.8	12.8	17.3	24.6	25.0	26.1	26.4	25.4	23.2	21.2	20.5	18.3
12 Q	19.0	18.6	19.0	19.2	18.8	17.6	19.2	20.0	19.5	16.0	14.1	11.7	09.7	09.0	10.9	18.9	25.5	29.5	29.2	28.2	26.4	24.5	22.5	19.9	19.4
13 Q	21.1	20.8	19.9	19.8	17.8	16.1	17.1	18.1	17.7	16.2	14.8	12.1	09.1	09.6	12.8	22.4	26.9	26.7	26.4	24.7	23.6	22.2	20.0	19.9	19.0
14 Q	21.1	20.7	19.9	18.3	18.2	17.4	16.9	16.5	16.0	15.4	10.3	07.4	06.0	05.8	10.6	17.7	23.5	25.9	28.8	28.9	25.0	23.3	20.3	19.0	18.0
15	20.0	20.1	14.2	17.7	18.6	18.0	17.7	16.6	15.4	10.9	06.2	04.3	03.2	04.9	08.5	22.4	27.3	30.4	30.2	30.3	29.7	28.1	22.4	25.1	18.4
16 D	24.0	24.6	22.7	20.4	21.2	18.0	14.3	19.2	12.9	15.8	16.1	36.5	16.7	47.7	30.4	20.3	26.6	31.0	20.3	14.1	06.3	10.6	25.1	17.0	21.3
17 D	29.5	09.7	16.7	25.9	17.8	14.2	53.4	21.9	16.7	09.7	25.1	23.6	14.8	17.2	28.8	34.1	32.3	33.2	23.2	25.0	20.1	10.8	18.3	20.3	22.6
18	20.9	20.7	20.5	22.5	20.0	09.8	17.7	28.6	19.1	14.2	12.7	06.8	05.4	05.6	14.4	22.9	26.4	26.3	28.6	27.7	24.6	24.0	20.8	15.7	19.0
19	20.8	20.1	14.4	22.7	13.2	10.9	14.6	17.2	21.1	19.0	17.2	12.4	09.9	10.9	14.2	19.0	25.1	26.8	26.8	29.1	27.5	26.1	26.1	23.1	19.5
20 D	19.7	19.7	19.2	15.0	06.5	15.4	15.3	14.9	08.5	09.1	05.4	02.9	03.4	06.2	11.1	19.9	24.5	27.3	30.4	30.4	28.6	26.8	23.6	19.5	16.8
21 D	18.7	18.9	19.0	15.5	12.3	19.1	18.1	15.9	14.1	23.9	18.9	08.4	06.2	07.1	12.2	18.9	20.8	26.9	25.5	25.0	21.4	21.2	20.1	15.4	17.6
22	12.8	15.3	15.7	15.3	17.7	24.0	18.3	24.3	18.1	18.5	17.1	12.2	08.9	08.0	09.1	16.2	21.6	32.8	34.9	32.7	27.3	24.7	24.7	23.3	19.7
23 D	18.9	12.6	18.1	17.2	13.4	15.2	15.9	21.8	19.1	20.0	18.9	11.2	10.5	05.2	07.6	16.0	17.9	24.9	29.7	31.0	28.7	24.9	20.4	16.6	18.2
24	16.3	17.7	11.1	13.1	17.7	13.1	16.7	17.2	27.3	20.9	15.5	12.5	11.9	11.2	13.0	21.1	23.1	23.4	23.5	24.2	23.6	24.5	22.8	22.0	18.5
25	21.4	25.8	21.2	19.1	16.2	20.6	18.1	21.7	20.3	20.9	22.6	16.5	12.7	10.2	12.8	20.7	28.1	30.5	30.7	28.7	26.0	22.7	20.6	18.9	21.1
26	17.7	20.4	20.5	20.5	19.5	19.9	18.5	21.8	24.6	19.0	14.8	11.2	09.3	10.0	13.9	20.9	24.9	26.8	27.8	28.2	26.3	24.2	23.0	20.6	20.2
27 Q	17.1	12.9	18.5	19.4	19.3	18.7	19.0	17.3	18.9	16.6	14.7	12.1	10.4	10.9	13.7	20.0	25.1	29.0	30.4	28.9	25.3	22.3	20.1	20.0	19.2
28 Q	20.4	20.3	20.0	19.5	19.2	18.9	19.0	18.1	16.7	16.1	14.3	11.6	09.4	09.4	13.7	20.6	26.9	29.2	28.9	27.2	23.5	20.0	18.9	19.5	19.2
29	19.9	20.6	20.5	18.9	18.9	20.1	18.6	16.3	17.2	17.6	18.6	16.7	08.5	13.2	20.9	20.0	29.2	31.7	29.7	23.5	14.5	11.8	08.9	12.1	18.7
30	19.5	19.7	20.4	21.1	22.5	24.1	25.6	27.1	26.4	24.2	17.7	11.9	07.6	09.7	08.8	16.0	27.1	30.4	30.8	27.6	24.6	21.4	19.5	19.5	21.0
31	19.6	19.8	19.1	17.7	19.6	19.0	19.3	19.4	20.7	19.7	17.1	15.6	06.4	16.6	16.3	21.3	27.4	28.1	27.8	27.1	23.2	19.7	16.4	15.9	19.7
Mean	18.7	18.3	17.5	17.3	16.9	17.9	19.8	20.9	18.8	17.4	15.4	12.9	09.8	10.9	14.0	20.3	25.1	27.9	28.1	27.2	24.1	21.7	20.0	18.2	19.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Agincourt — Z = 56,000 γ + — August 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	239	229	218	187	144	180	191	090	182	207	215	208	193	187	189	190	194	207	221	223	223	221	223	224	199
2	234	235	228	209	154	119	127	157	202	216	220	218	214	213	215	204	211	216	223	223	223	224	218	217	205
3	215	218	212	199	205	205	172	060	171	203	205	196	181	181	187	190	190	196	199	217	223	223	219	213	195
4	209	209	210	210	207	207	196	197	207	186	161	188	175	173	174	174	177	189	205	218	235	251	263	236	202
5	214	211	209	209	207	206	195	200	207	211	211	210	211	212	208	215	216	210	217	215	220	229	230	230	213
6	215	215	212	180	180	189	189	196	194	186	211	201	175	178	178	174	181	203	232	240	258	255	256	255	206
7	242	229	218	191	194	194	183	184	208	213	214	204	199	203	205	212	216	220	214	214	232	242	246	239	213
8	229	222	219	216	210	206	169	178	172	183	188	204	196	191	189	192	191	196	200	203	208	215	233	242	202
9	243	234	230	218	214	212	210	190	167	192	189	189	194	171	181	182	189	200	226	258	281	266	245	225	213
10	218	215	220	275	271	206	214	213	212	212	215	212	209	206	210	206	200	201	209	224	221	225	226	227	219
11	228	227	221	212	217	182	189	197	206	211	212	210	205	207	206	169	171	206	206	210	214	216	214	212	206
12 Q	210	210	210	210	206	205	203	201	204	203	207	203	203	201	201	199	197	197	203	209	211	209	212	221	206
13 Q	213	210	209	209	209	205	207	209	208	209	213	207	204	200	201	201	197	198	211	217	217	216	215	211	208
14 Q	204	205	206	207	210	210	209	209	208	203	202	207	209	208	205	203	204	201	206	207	210	209	207	207	206
15	203	206	198	203	204	204	204	202	202	191	201	207	207	203	197	197	193	201	202	210	226	249	283	251	210
16 D	290	256	281	210	211	209	156	043	051	126	144	055	049	128	185	222	247	342	337	450	398	399	360	314	228
17 D	143	136	163	068	-068	-061	-050	038	057	076	115	126	199	220	188	212	240	272	257	235	277	332	301	266	156
18	246	233	199	143	141	123	093	076	171	216	232	235	230	216	220	214	222	227	240	243	257	242	244	240	204
19	222	224	235	176	126	175	172	179	202	217	226	228	223	219	219	222	213	213	222	222	231	228	228	223	210
20 D	227	223	229	222	170	188	194	219	208	213	210	213	208	209	204	193	190	191	193	199	210	208	208	222	206
21 D	242	243	227	219	223	205	222	175	193	170	175	202	211	216	218	223	228	234	245	255	276	275	266	273	226
22	232	233	224	204	191	147	086	119	193	215	222	229	229	225	222	223	217	217	219	220	242	257	252	228	210
23 D	227	223	224	228	195	173	178	185	209	209	215	215	206	206	209	223	222	235	249	245	251	249	251	255	220
24	229	231	223	215	194	169	204	173	152	179	200	222	220	218	217	212	212	211	207	208	213	223	235	240	209
25	227	218	216	216	188	169	196	206	209	203	200	206	204	206	210	221	226	228	222	222	223	228	230	229	213
26	226	218	214	214	207	198	193	190	186	198	206	212	212	214	215	218	218	221	218	220	220	222	214	213	211
27 Q	215	212	212	212	210	210	204	206	207	212	215	216	216	216	213	212	210	213	218	218	220	217	209	212	213
28 Q	214	214	214	209	206	207	206	206	206	207	209	206	204	201	200	202	200	204	206	211	212	210	207	207	207
29	208	207	206	207	207	207	206	205	206	205	205	207	208	207	203	201	202	207	214	222	230	234	230	220	211
30	217	208	207	207	205	203	203	207	210	207	210	213	216	211	205	199	202	213	220	226	227	222	216	208	211
31	211	211	208	210	208	208	207	206	193	175	179	165	181	182	182	186	202	211	218	236	245	249	244	238	206
Mean	222	218	216	203	189	183	178	171	187	195	201	200	200	201	202	203	206	215	221	230	237	240	238	232	208

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt — August 1959

Day		Horizontal Intensity						Declination						Vertical Intensity					
		Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +		Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
		h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1		20	19	807	15	52	701	106	7	32	36.0	13	01	3.9	32.1	0	07	245	6	32	31	214
2		0	10	798	15	32	683	115	18	44	32.5	6	26	4.5	28.0	1	02	241	5	46	74	167
3		19	50	833	7	24	647	186	7	17	60.5	2	17	8.7	51.8	20	57	230	7	25	31	199
4		21	57	814	14	27	681	133	9	57	32.3	13	40	8.7	23.6	22	30	274	10	10	62	212
5		20	49	803	15	12	693	110	16	34	31.2	12	09	9.7	21.5	21	35	233	6	45	184	49
6		20	55	841	15	50	684	157	19	03	36.4	23	59	-0.7	37.1	20	56	271	3	50	44	227
7		20	38	812	15	42	699	113	18	26	29.3	0	05	-2.2	31.5	0	00	258	7	12	164	94
8		22	25	793	15	16	695	98	19	45	28.1	13	42	4.8	23.3	23	39	248	6	27	50	198
9		22	26	819	14	52	667	152	19	41	31.7	2	07	6.1	25.6	21	14	287	11	29	134	153
10		19	25	793	13	37	695	98	17	07	32.8	3	26	-2.2	35.0	3	12	240	3	47	188	52
11		21	17	789	15	55	693	96	5	20	25.9	12	48	6.3	19.6	0	30	230	5	22	172	58
12	Q	23	24	790	16	17	710	80	17	25	30.0	13	42	8.5	21.5	23	25	221	17	15	194	27
13	Q	20	10	822	14	56	717	105	16	28	27.8	12	33	7.4	20.4	20	13	220	17	10	194	26
14	Q	22	55	798	14	00	710	88	18	55	30.3	13	57	5.0	25.3	4	25	214	17	27	197	17
15		22	09	915	15	03	668	247	17	33	32.1	12	34	1.0	31.1	22	10	312	14	52	180	132
16	D	21	42	1202	12	27	299	903	13	22	61.5	9	13	-19.4	80.9	21	48	547	9	21	-73	620
17	D	21	07	869	3	32	-259	1128	3	30	140.5	3	25	-49.8	190.3	3	13	420	6	08	-377	797
18		3	42	805	6	43	621	184	7	40	32.0	13	10	2.9	29.1	20	26	262	6	45	11	251
19		22	10	805	6	40	680	125	3	32	32.7	4	47	7.3	25.4	2	42	240	4	58	94	146
20	D	20	50	886	13	57	700	186	20	44	32.8	4	20	-8.3	41.1	20	42	241	4	15	118	123
21	D	21	23	873	15	53	670	203	9	48	31.5	23	40	-3.1	34.6	23	41	306	6	36	145	161
22		20	09	857	16	46	683	174	18	34	37.1	0	32	0.6	36.5	21	52	261	6	49	51	210
23	D	22	00	837	17	21	656	181	19	50	33.1	13	25	-3.1	36.2	23	45	272	6	00	141	131
24		20	30	810	8	24	683	127	8	09	38.1	5	40	8.8	29.3	23	24	246	8	15	107	139
25		21	56	809	15	31	669	140	18	40	31.5	13	04	8.8	22.7	21	57	236	5	11	151	85
26		20	57	804	14	12	762	42	18	49	29.4	0	03	8.6	20.8	0	00	238	8	17	178	60
27	Q	20	15	781	15	33	712	69	18	30	30.5	12	52	9.4	21.1	20	55	222	6	35	204	18
28	Q	23	55	793	15	27	705	88	17	33	30.0	12	30	8.6	21.4	20	20	212	15	00	199	13
29		0	13	793	15	27	664	129	17	31	34.1	22	24	7.2	26.9	21	47	235	15	32	191	44
30		4	31	795	15	59	665	130	18	24	31.4	12	35	5.9	25.5	20	55	232	15	58	194	38
31		20	18	791	15	15	706	85	18	37	30.0	12	28	4.7	25.3	21	31	251	11	23	152	99
Mean				830			644	186			37.2			1.9	35.3			263			109	154
No. days				31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 33 Agincourt — H = 15,000 γ + — September 1959

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		756	750	747	753	756	752	749	737	752	754	748	735	732	713	698	677	681	702	746	777	769	768	752	760	740
2		769	739	729	723	737	719	688	723	674	640	727	743	730	711	688	675	667	699	715	747	757	795	762	743	721
3		743	748	753	752	748	753	750	757	746	745	758	750	738	721	700	696	714	724	735	754	782	797	877	1120	765
4	D	800	770	794	579	533	579	521	375	258	533	696	687	710	701	649	579	639	712	749	763	737	787	825	757	654
5		731	712	710	741	736	737	728	707	725	724	752	740	713	703	704	706	707	720	738	761	778	806	815	786	737
6		768	734	761	745	745	752	744	748	748	756	755	757	745	720	701	693	691	707	732	752	766	772	769	765	743
7	Q	760	755	756	755	757	759	760	762	766	760	756	752	743	737	722	708	706	715	747	763	771	778	778	772	752
8	Q	772	768	768	765	762	766	763	763	765	756	760	758	745	731	717	709	705	727	738	755	771	776	781	774	754
9	Q	773	773	771	767	760	765	765	765	765	762	759	755	740	721	711	703	723	748	762	781	782	784	779	770	758
10	Q	778	775	775	772	771	772	769	768	768	771	772	771	762	747	742	744	752	762	773	773	781	793	792	770	769
11		773	776	771	770	770	760	765	767	762	767	761	744	744	737	729	726	731	741	759	780	781	783	785	784	761
12		758	763	772	768	773	764	762	764	764	765	761	760	747	732	717	706	715	742	755	761	770	775	775	776	756
13		772	770	777	775	771	774	774	775	774	776	777	767	758	742	732	731	739	762	778	786	789	811	780	761	769
14		758	771	762	762	761	751	750	744	754	753	757	755	754	726	712	723	743	756	773	783	788	777	763	778	756
15		778	780	783	776	774	774	767	758	764	767	770	761	759	744	737	734	739	761	784	785	795	763	768	776	767
16		780	769	763	749	762	770	764	760	764	764	765	763	752	734	712	713	727	754	766	774	778	775	774	783	759
17		784	791	788	784	780	779	779	775	773	770	768	774	763	751	718	723	748	766	787	800	818	735	761	770	770
18		778	769	777	768	765	769	770	768	764	756	758	762	753	737	725	735	748	768	769	772	773	786	791	769	764
19		763	764	790	768	735	759	759	753	753	753	754	748	753	737	729	734	745	755	768	778	784	784	784	779	759
20	D	773	774	753	772	744	744	736	733	755	773	779	771	714	691	714	712	724	708	717	743	775	786	776	751	747
21	D	729	743	767	724	698	574	495	574	591	680	719	698	696	673	663	647	658	699	747	770	780	758	752	758	691
22	D	771	758	717	694	691	538	550	420	559	596	642	693	721	702	680	707	736	739	746	761	758	748	754	754	685
23		754	765	761	761	773	763	757	743	765	751	758	743	740	730	704	678	695	722	752	745	762	773	775	750	747
24		739	746	746	737	752	748	750	756	744	763	765	755	729	663	718	701	700	707	723	752	771	758	759	766	740
25	D	752	765	737	721	721	713	723	716	740	735	747	743	736	698	680	679	671	715	745	768	755	761	785	749	731
26		754	738	725	739	750	755	751	747	750	762	765	756	723	747	738	706	692	704	740	752	780	768	763	749	744
27		750	750	755	759	764	750	720	752	751	765	740	756	760	734	703	708	697	718	730	745	758	776	760	759	744
28		766	744	738	755	756	758	751	745	738	767	767	758	744	730	723	728	727	730	740	750	772	761	773	761	749
29	Q	766	754	761	766	764	761	766	767	773	766	774	769	758	743	738	734	737	741	754	763	771	774	766	765	759
30		775	769	771	772	769	771	775	773	771	774	783	773	748	729	735	743	751	750	755	773	781	776	761	757	764
31																										
Mean		763	759	759	749	746	738	730	723	726	740	753	750	740	723	710	705	714	732	751	766	774	776	778	777	745

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt — D = 7° W + ... ′ — September 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	18.3	15.6	15.4	17.2	16.7	17.4	22.7	15.5	15.4	14.9	12.6	15.8	09.5	11.2	16.1	20.6	27.4	33.5	29.3	26.9	23.1	18.7	17.4	18.7	18.7
2	16.7	09.1	13.4	13.9	08.7	19.8	31.8	16.6	22.3	12.0	02.7	06.7	08.4	09.5	16.4	23.1	26.6	29.6	28.7	26.7	24.1	21.0	19.5	20.7	17.8
3	15.5	17.7	19.2	16.7	13.0	16.7	20.4	17.2	21.8	23.5	13.5	11.1	09.8	10.1	13.0	19.2	26.2	28.7	31.5	31.7	24.9	21.7	18.8	05.4	18.6
4 D	07.5	17.7	09.3	25.7	27.5	10.0	33.3	18.0	45.3	15.5	08.5	08.0	12.3	07.6	14.6	35.2	44.8	40.0	28.8	26.4	24.9	21.4	11.5	12.3	21.1
5	16.7	11.9	10.2	18.0	20.5	20.9	27.1	32.5	25.3	28.8	18.8	13.1	13.0	16.9	18.7	21.3	26.4	29.7	29.9	29.2	29.8	24.3	11.5	15.0	21.2
6	14.3	19.0	15.1	14.9	16.4	21.5	24.2	22.7	22.3	18.7	17.9	13.7	11.5	12.9	13.2	17.4	23.4	28.1	29.6	27.8	25.5	22.8	21.1	20.5	19.8
7 Q	20.6	19.5	20.7	20.2	20.0	20.0	19.5	18.0	16.9	16.7	17.1	13.5	10.8	09.4	11.2	16.9	20.9	28.7	29.6	28.7	26.3	23.9	22.0	20.9	19.7
8 Q	20.4	20.0	19.5	18.2	16.8	17.0	19.4	18.9	15.2	15.8	18.5	14.3	13.0	13.0	14.4	19.8	25.3	26.9	29.7	28.8	25.4	23.5	21.6	18.5	19.7
9 Q	20.6	20.3	19.5	19.6	19.0	18.9	18.8	17.7	17.1	16.4	15.2	12.3	11.3	11.3	14.2	19.2	25.3	27.1	26.9	25.9	23.7	22.4	20.8	21.0	19.4
10 Q	20.8	20.6	20.0	20.0	18.9	17.1	17.4	17.0	16.4	15.4	14.3	11.6	10.4	10.4	14.1	18.0	21.4	23.5	25.2	24.1	22.3	21.9	22.9	24.5	18.7
11	23.2	21.5	19.8	14.7	13.5	16.8	15.9	16.1	14.4	14.3	14.3	13.8	15.8	15.2	16.6	20.4	23.3	26.0	25.9	24.2	22.5	21.6	21.4	21.6	18.9
12	21.3	22.0	19.8	19.6	19.8	18.9	16.6	14.4	16.2	16.1	15.6	14.1	12.9	13.3	16.9	20.7	24.7	24.4	23.9	23.3	23.4	22.5	23.1	22.3	19.4
13	20.1	18.3	18.9	21.1	19.7	18.8	17.9	16.8	16.7	15.2	14.3	13.2	12.2	13.1	15.1	19.5	23.4	25.3	25.9	24.2	22.8	23.5	20.7	24.3	19.2
14	23.5	21.2	20.6	19.7	18.1	17.7	16.7	24.5	09.8	10.6	12.0	13.0	13.1	12.4	20.6	25.3	27.0	28.3	28.0	25.3	22.9	22.3	21.3	20.1	19.8
15	22.5	20.7	20.6	20.7	19.8	18.8	15.2	14.1	12.5	10.8	11.3	09.3	11.5	13.3	18.7	23.3	26.9	29.9	28.4	25.3	23.4	20.7	19.8	21.4	19.1
16	20.5	15.2	25.2	14.8	14.9	18.0	17.7	16.1	16.1	15.1	14.3	12.2	11.5	10.8	14.0	22.4	27.0	27.0	27.2	25.2	21.7	19.7	20.1	20.5	18.6
17	20.5	20.7	19.8	19.8	18.2	17.7	16.7	12.1	12.5	13.1	15.3	12.1	09.7	10.3	13.2	24.3	26.3	28.8	27.9	26.6	28.9	27.2	25.7	23.5	19.6
18	20.5	18.8	19.7	20.6	19.7	18.6	16.2	15.2	14.5	19.8	17.9	12.5	09.5	12.2	19.4	25.5	26.3	26.9	28.0	28.7	23.4	21.0	19.4	15.3	19.6
19	17.9	19.8	21.6	21.6	26.0	13.4	18.7	17.7	14.9	15.0	14.3	10.0	09.0	08.5	13.7	17.9	21.9	24.7	25.2	23.5	21.4	19.7	19.8	18.9	18.1
20 D	18.7	17.9	10.9	16.8	15.6	14.3	05.7	16.1	13.1	19.5	19.5	34.9	26.2	24.3	35.1	32.8	31.0	33.4	33.6	28.0	17.5	17.8	18.0	16.1	21.5
21 D	15.1	12.5	17.0	07.5	20.7	29.2	17.4	07.9	30.9	26.8	21.6	20.2	18.5	19.9	16.2	25.0	30.1	27.2	25.4	27.5	28.9	23.6	23.1	19.9	21.3
22 D	18.9	07.8	26.7	08.3	27.4	34.5	21.8	59.8	28.5	36.2	32.4	16.2	14.4	14.4	22.1	27.3	32.4	28.2	26.2	23.2	19.9	19.2	19.2	19.3	21.4
23	17.8	19.7	20.5	19.5	25.4	20.2	15.0	21.7	21.1	12.1	12.5	16.3	13.8	14.6	18.4	23.5	31.4	27.2	24.5	24.9	23.1	19.8	22.5	17.1	20.1
24	21.1	18.6	20.1	16.3	17.7	22.3	16.8	18.8	21.2	20.5	17.5	14.6	21.2	32.3	31.6	34.2	27.6	26.7	28.2	26.1	24.6	21.2	20.5	19.9	22.1
25 D	19.2	22.2	15.0	11.2	11.1	17.9	16.4	09.8	15.9	17.0	24.2	19.2	16.2	21.0	27.6	30.7	28.2	29.8	29.3	28.2	23.0	19.4	17.3	19.0	20.4
26	20.0	14.2	14.3	17.1	20.6	18.7	20.8	24.2	19.0	15.4	16.0	18.0	26.4	19.9	18.5	18.7	23.5	27.8	27.3	26.0	24.3	24.0	22.8	16.7	20.6
27	18.4	19.0	17.8	19.7	19.9	15.4	21.7	14.9	13.2	18.0	28.3	21.7	20.9	21.8	23.8	27.1	27.9	28.4	27.2	27.0	23.3	23.4	20.9	20.1	21.7
28	19.6	14.8	15.0	18.4	18.1	16.9	10.5	10.5	18.9	20.5	14.4	14.2	15.3	17.6	22.4	26.1	25.9	27.5	30.1	28.5	23.4	22.0	21.0	21.1	19.7
29 Q	21.9	20.8	20.4	20.3	19.4	18.6	18.0	17.3	16.4	19.9	15.2	14.1	15.5	16.8	21.3	25.8	25.3	24.3	23.2	22.4	20.6	19.0	20.5	20.8	19.9
30	19.1	18.2	21.0	20.1	19.1	17.8	16.7	15.0	16.3	17.8	20.9	15.9	13.4	17.4	24.7	28.8	29.8	31.0	27.4	28.2	27.0	25.6	22.4	20.4	21.4
31																									
Mean	19.1	17.8	16.4	17.2	18.7	18.8	18.9	18.6	18.7	17.7	16.4	14.5	13.9	14.7	18.5	23.3	26.9	28.3	27.7	26.4	23.9	21.8	20.2	19.2	19.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Agincourt — Z = 56,000 γ + — September 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	232	231	226	219	211	202	158	179	190	186	184	189	192	194	196	200	208	227	244	262	287	279	249	228	216
2	226	233	239	206	078	125	119	114	075	082	156	205	217	228	226	224	225	233	239	261	275	288	262	244	199
3	239	228	220	214	206	202	197	202	190	151	187	206	208	213	214	220	228	233	250	260	262	252	348	444	232
4 D	359	270	266	159	133	005	048	-001	195	086	171	225	253	244	238	244	266	262	281	300	316	330	381	337	224
5	300	276	187	232	230	208	194	176	197	184	215	221	216	221	221	225	230	240	258	270	258	267	327	319	236
6	312	243	198	185	198	173	196	198	214	218	226	227	223	224	223	227	232	232	235	241	242	238	234	231	224
7 Q	225	223	222	221	219	218	220	221	221	217	221	221	216	217	218	216	220	226	230	232	231	225	221	219	222
8 Q	216	215	215	215	215	215	212	206	207	207	213	212	207	200	201	205	211	219	226	234	234	232	228	226	215
9 Q	220	217	215	215	217	216	215	215	213	210	212	213	213	210	210	216	220	220	219	224	223	221	219	213	216
10 Q	214	213	210	211	211	211	211	211	211	210	211	210	207	205	206	202	196	199	206	205	210	214	224	221	210
11	217	214	218	224	212	224	221	220	220	214	207	204	197	205	205	208	214	217	216	220	222	224	224	235	216
12	248	236	210	214	224	227	220	216	216	215	213	217	216	216	214	212	220	223	222	226	223	218	217	220	220
13	223	224	219	217	217	215	211	211	210	211	212	213	213	211	210	208	206	206	209	218	224	232	254	254	218
14	236	229	239	227	221	226	221	168	186	221	223	223	218	219	218	217	217	221	224	224	231	234	225	225	221
15	225	225	221	221	221	221	221	211	203	219	219	215	218	211	215	213	215	223	227	223	240	250	234	225	222
16	223	234	249	249	226	215	222	228	227	221	221	221	223	221	219	220	221	224	224	226	225	221	216	219	225
17	217	218	217	218	217	209	204	211	215	209	205	200	203	200	199	201	206	211	215	228	248	255	240	234	216
18	232	237	230	236	229	221	216	219	216	201	188	201	206	206	208	213	217	222	231	244	240	241	269	284	225
19	343	338	265	225	108	205	230	235	228	227	223	216	204	212	212	213	220	228	232	228	225	222	221	218	228
20 D	216	213	216	213	185	162	161	149	135	168	161	101	106	145	155	176	196	231	243	268	326	321	316	337	204
21 D	280	224	158	225	197	064	034	073	128	177	204	194	203	195	225	236	243	277	298	276	274	287	257	262	208
22 D	269	302	266	194	008	-118	-007	052	017	071	099	176	219	216	227	241	244	236	255	262	258	242	238	239	175
23	237	232	230	227	198	196	206	186	165	180	198	208	211	214	218	221	234	248	261	268	287	299	299	285	230
24	260	243	218	228	194	164	198	208	199	212	222	226	214	200	199	212	221	227	249	261	269	272	252	247	225
25 D	253	197	239	205	211	200	167	152	132	157	178	183	209	220	209	214	236	269	278	277	280	294	293	261	221
26	246	248	244	239	230	224	203	184	172	188	201	193	195	208	213	215	224	232	241	248	261	254	254	256	224
27	258	250	244	242	236	221	178	201	198	215	177	177	187	194	203	212	224	236	244	253	257	258	259	246	224
28	239	237	239	240	233	226	201	205	193	190	201	218	226	227	231	234	236	239	243	238	240	240	244	242	228
29 Q	239	241	226	222	227	230	228	225	219	206	201	214	220	224	227	226	229	234	239	236	234	235	232	231	227
30	228	224	227	225	224	224	221	220	220	218	196	196	210	220	221	222	229	232	242	259	262	258	258	250	229
31																									
Mean	248	237	226	219	198	184	184	183	187	189	198	204	208	211	213	216	223	231	239	246	252	253	256	255	219

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt — September 1959

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	19	52	797	17	07	660	137	17	26	37.2	12	27	8.1	29.1	20	32	293	6	08	146	147
2	21	25	811	9	28	614	197	6	08	34.5	10	13	-3.9	38.4	21	43	299	9	02	59	240
3	23	37	1304	15	45	684	620	18	32	34.7	23	40	-22.2	56.9	23	28	488	9	08	130	358
4 D	0	10	906	3	55	24	882	3	44	63.4	3	53	-21.6	85.0	0	12	410	3	59	-272	682
5	22	12	872	2	13	677	195	7	40	37.3	22	55	3.3	34.0	23	41	359	2	10	115	244
6	0	59	820	16	40	665	155	18	09	30.0	2	11	1.1	28.9	0	55	387	2	26	142	245
7 Q	23	10	782	16	55	691	91	17	36	30.6	13	23	7.8	22.8	18	43	234	13	09	213	21
8 Q	22	34	786	16	24	700	86	18	42	30.5	14	12	11.7	18.8	19	52	237	14	02	196	41
9 Q	22	10	789	15	25	701	88	16	49	27.4	13	15	10.5	16.9	19	20	226	14	33	207	19
10 Q	21	05	799	13	52	736	63	23	49	25.8	12	28	9.3	16.5	22	48	229	16	25	194	35
11	19	17	799	13	08	706	93	17	53	26.9	4	01	7.5	19.4	23	59	246	12	49	191	55
12	1	57	792	15	22	696	96	3	08	27.6	12	50	10.6	17.0	0	37	255	3	03	183	72
13	21	47	820	13	53	729	91	18	01	26.4	12	27	11.3	15.1	22	55	266	16	25	204	62
14	21	13	809	15	02	695	114	17	15	29.6	9	05	7.8	21.8	2	10	245	7	39	150	95
15	20	09	1018	16	22	716	302	17	40	31.7	13	26	5.8	25.9	21	15	255	8	04	187	68
16	20	25	785	15	56	697	88	2	27	31.7	4	24	4.5	27.2	3	00	265	5	07	199	66
17	20	11	848	14	21	708	140	21	01	33.5	12	52	7.1	26.4	21	20	261	14	15	191	70
18	22	01	830	14	19	703	127	19	16	31.5	12	39	4.7	26.8	23	58	329	10	04	163	166
19	2	32	825	4	11	605	220	4	08	53.7	0	14	2.9	50.8	0	13	362	4	05	-92	454
20 D	22	08	819	13	37	641	178	14	23	47.0	6	43	-1.3	48.3	23	33	357	12	16	80	277
21 D	20	34	809	6	27	426	383	4	48	43.1	1	50	0.5	42.6	0	11	357	6	30	-46	403
22 D	0	31	796	6	58	70	726	7	17	110.6	2	15	-35.0	145.6	1	52	352	5	06	-293	645
23	22	07	793	15	48	670	123	16	51	35.0	9	41	10.6	24.4	23	00	314	7	56	157	157
24	20	50	795	13	40	646	149	14	04	39.2	4	47	13.0	26.2	20	55	286	5	20	145	141
25 D	22	03	816	16	19	655	161	1	12	40.0	7	24	3.5	36.5	22	03	322	1	08	101	221
26	20	25	791	16	46	684	107	12	24	30.1	1	51	7.0	23.1	20	27	257	8	44	153	104
27	21	40	780	16	39	690	90	10	44	33.3	7	57	11.3	22.0	20	20	262	6	52	140	122
28	22	12	783	14	21	716	67	18	39	31.6	6	25	6.3	25.3	22	20	238	8	35	182	56
29 Q	22	04	782	15	40	679	103	15	29	26.3	10	27	13.7	12.6	1	07	247	10	12	193	54
30	19	56	789	13	11	728	61	17	40	33.7	12	23	12.2	21.5	19	57	267	10	42	188	79
31																					
Mean			832			634	198			37.1			3.6	33.5			297			117	180
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 37 Agincourt — H = 15,000 γ + — October 1959

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	753	748	745	739	721	673	664	555	727	724	687	701	725	725	704	707	725	741	737	758	760	761	751	760	720
2		766	760	754	748	744	693	730	723	729	772	779	774	763	745	729	723	735	748	777	782	792	790	783	783	755
3	D	781	779	774	771	768	766	755	694	703	755	758	748	751	748	715	694	713	729	769	800	883	830	838	745	761
4	D	748	722	725	695	590	730	735	715	623	725	740	711	669	672	677	718	717	733	751	766	765	752	772	754	717
5		741	742	726	715	718	733	751	750	753	759	762	755	733	740	737	719	724	731	741	753	761	762	741	750	742
6	D	723	743	739	711	713	657	651	601	659	672	743	758	715	707	711	684	689	725	740	774	749	747	760	760	714
7		759	754	757	762	743	756	761	765	763	762	761	755	758	743	728	719	723	737	755	765	773	769	760	771	754
8		767	775	780	770	766	767	767	772	772	773	766	769	759	744	732	725	726	732	743	757	769	773	774	775	761
9		774	770	780	774	774	778	778	777	774	773	775	776	769	759	747	734	735	742	749	757	763	778	779	777	766
10	Q	776	772	773	775	772	772	775	775	777	779	781	782	774	762	750	739	740	741	759	766	770	776	781	783	769
11	Q	781	786	784	782	781	777	777	776	782	780	780	779	772	764	755	750	753	762	776	786	785	782	780	782	775
12		787	785	785	784	785	785	785	785	786	786	786	785	775	766	753	750	753	761	774	785	775	770	773	782	777
13	Q	782	784	786	785	785	783	782	786	785	785	790	793	785	769	754	744	744	754	775	785	787	786	785	787	778
14		783	785	786	783	785	785	782	784	789	783	777	780	780	780	760	746	740	749	750	764	773	781	778	772	774
15		764	766	774	772	767	771	766	770	768	773	775	776	765	751	733	729	734	744	758	767	777	774	769	775	763
16	Q	778	774	779	779	777	777	780	781	780	780	778	775	765	751	740	726	734	750	768	773	775	782	784	790	770
17		794	795	793	792	792	790	789	787	788	786	790	788	777	770	754	745	751	774	784	787	791	781	787	784	782
18		782	768	752	756	753	764	759	765	741	725	730	769	750	735	732	721	703	729	741	759	762	756	764	753	749
19		759	768	764	753	750	766	763	763	765	766	763	769	756	737	723	709	706	721	736	756	774	780	785	770	754
20		757	780	779	776	775	776	776	762	770	774	774	770	761	747	729	719	721	733	766	774	774	775	777	781	764
21		781	780	779	776	774	781	782	780	780	782	784	779	765	757	746	739	738	741	749	761	774	780	770	764	768
22		769	767	761	759	760	755	758	769	763	775	777	779	761	742	730	734	715	736	749	756	757	764	755	744	756
23		756	742	733	752	749	761	768	765	771	768	765	772	760	746	738	736	740	746	755	766	770	772	776	778	758
24		778	778	778	775	777	778	781	778	775	786	785	786	778	763	770	771	762	764	766	770	781	773	778	773	775
25		772	762	750	731	750	757	762	745	759	761	763	786	776	757	751	738	743	751	756	760	770	767	762	747	757
26		753	753	762	763	765	746	717	732	751	762	776	785	767	748	699	701	717	738	754	757	764	757	749	764	749
27		768	768	765	763	762	763	766	750	760	765	770	775	773	757	743	740	734	742	757	771	776	775	778	777	762
28	Q	775	780	777	777	775	776	780	773	778	785	786	782	776	767	763	756	749	751	761	771	780	783	784	786	774
29		787	786	781	778	776	775	776	780	782	785	788	788	781	773	761	755	760	767	775	778	777	778	785	795	778
30		804	768	741	760	778	779	773	774	780	788	789	786	788	770	760	755	762	765	768	767	771	752	753	737	769
31	D	755	767	756	755	753	750	756	765	760	758	765	746	756	756	725	711	724	746	739	753	751	778	736	736	750
Mean		769	768	765	762	757	759	760	752	758	766	769	770	760	750	737	730	733	745	757	769	775	774	772	769	759

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt D = 7° W + ... ' October 1959

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	14.1	16.2	18.7	18.3	11.3	21.4	15.9	37.5	05.2	09.3	14.9	28.7	20.0	19.6	23.6	32.9	29.1	28.8	27.0	23.3	21.4	20.8	20.1	20.9	20.8
2	20.1	20.5	21.3	18.7	11.8	16.5	11.4	10.0	25.4	13.7	10.9	12.7	15.0	14.1	17.1	21.4	23.8	25.9	25.4	25.5	23.3	22.4	22.9	23.2	18.9
3 D	22.4	21.3	20.5	21.1	19.7	15.5	13.8	10.0	14.0	09.5	11.8	14.7	17.8	18.9	21.8	27.0	30.0	31.9	30.3	24.4	13.6	20.4	20.8	14.0	19.4
4 D	26.4	14.4	13.6	10.4	50.6	08.5	14.9	15.0	47.6	19.0	14.9	19.8	22.3	26.0	26.0	25.8	28.7	30.3	27.3	24.1	24.3	20.8	21.7	22.0	23.1
5	20.4	15.3	06.7	14.0	12.6	11.3	16.8	17.2	16.0	18.5	22.4	16.7	20.1	24.0	20.6	23.9	27.3	26.0	30.0	25.6	24.2	17.5	21.7	18.8	19.5
6 D	17.6	19.0	13.1	24.5	20.8	11.2	14.5	07.6	13.2	20.7	25.1	16.4	20.5	23.3	27.0	26.5	27.9	27.1	29.0	26.7	26.9	22.4	23.3	22.7	21.1
7	19.6	14.1	17.4	13.7	18.2	27.3	20.0	18.1	15.4	16.0	18.8	17.9	15.6	15.3	15.9	19.9	23.7	27.1	28.3	27.1	26.0	22.3	16.3	20.6	19.8
8	19.0	17.8	18.7	19.1	17.3	18.4	19.1	18.3	18.1	17.9	21.5	17.3	15.6	14.6	14.7	17.9	20.0	22.9	24.3	24.9	24.2	22.7	21.5	20.8	19.4
9	20.1	16.6	19.2	19.1	19.4	19.1	19.3	17.4	15.8	15.5	16.3	16.1	15.7	15.3	14.7	17.6	21.2	23.7	25.7	26.4	25.2	23.9	21.6	21.2	19.4
10 Q	21.0	20.8	20.5	19.7	19.1	18.5	18.8	17.9	17.7	17.9	17.6	17.1	15.3	14.5	15.6	18.8	22.3	24.5	26.2	26.5	25.3	24.2	23.5	22.4	20.2
11 Q	21.4	20.7	20.0	19.7	19.1	18.8	17.8	17.1	16.9	17.2	17.2	17.0	16.1	15.0	15.2	17.6	19.3	22.0	22.5	21.9	21.8	21.9	22.5	21.4	19.2
12	19.4	20.0	19.4	18.7	18.6	17.9	17.9	17.2	16.6	16.1	15.6	15.0	13.2	12.7	13.1	15.4	18.3	23.1	24.4	25.2	26.4	25.6	22.5	20.9	18.9
13 Q	19.8	19.1	19.1	18.3	17.9	16.9	16.1	15.4	16.0	15.4	14.9	13.7	12.5	11.3	11.7	14.8	19.3	23.7	25.7	24.0	21.7	20.1	20.4	21.1	17.9
14	20.6	19.8	19.0	17.9	18.3	18.0	16.8	17.9	16.0	13.9	14.7	16.9	13.0	17.0	13.2	14.5	19.5	22.8	25.7	26.4	24.8	23.4	23.6	22.9	19.0
15	20.3	19.1	17.2	15.1	13.0	15.7	17.2	17.2	16.2	17.0	17.2	16.4	15.3	15.0	13.4	18.1	19.7	22.0	23.8	24.5	22.2	18.9	22.8	21.5	18.3
16 Q	20.0	19.1	17.9	18.4	18.8	18.2	17.9	18.0	17.2	16.8	16.3	15.4	13.5	12.7	13.9	17.8	22.4	24.3	24.7	23.7	22.6	20.9	20.6	20.0	18.8
17	18.9	18.2	17.9	17.3	16.8	17.8	17.2	16.1	16.5	13.3	17.3	13.2	11.5	14.1	13.5	19.4	23.7	26.5	27.1	25.2	25.4	25.3	26.2	23.3	19.2
18	22.2	20.5	06.0	16.8	16.9	19.3	19.1	18.5	18.6	26.4	20.6	12.6	08.6	10.6	15.4	15.1	19.1	23.7	23.7	24.5	25.3	22.6	20.6	20.3	18.6
19	18.3	16.5	16.9	15.3	22.7	16.5	15.4	16.8	17.8	18.1	22.0	17.7	14.5	12.4	12.9	16.3	21.1	24.8	27.3	25.8	24.3	23.1	21.4	20.8	19.1
20	15.8	19.4	19.1	18.8	18.9	18.2	16.6	17.2	12.5	15.2	15.5	16.8	15.9	14.5	15.9	18.4	22.1	25.3	26.6	25.7	23.7	22.0	20.9	20.2	19.0
21	19.3	19.2	19.0	19.0	19.1	18.7	19.1	18.7	18.8	17.8	17.2	15.7	14.2	14.6	14.2	16.2	20.1	22.1	22.8	23.7	22.5	22.0	22.8	20.2	19.0
22	20.2	19.1	18.5	17.9	15.5	16.4	20.1	19.1	15.5	16.2	20.9	27.9	25.1	23.2	20.8	24.4	21.7	25.2	22.9	21.2	21.4	21.8	23.5	18.8	20.7
23	18.7	15.1	15.5	14.6	14.2	17.2	18.9	17.8	20.5	17.2	22.0	16.2	14.5	14.2	15.4	17.4	20.8	23.3	24.6	23.7	23.1	22.9	22.0	21.2	18.8
24	20.2	20.0	20.0	19.8	19.3	18.2	18.6	18.1	18.7	16.4	14.8	16.0	16.0	17.1	20.5	18.9	21.0	23.4	24.4	23.5	22.8	22.5	22.5	22.0	19.8
25	21.5	20.2	20.0	16.9	15.1	15.3	15.5	10.2	13.3	10.7	17.2	22.8	23.4	17.9	20.1	19.1	25.1	24.5	23.8	21.4	20.0	19.8	20.9	22.3	19.0
26	21.8	20.0	19.0	18.2	12.8	13.7	14.5	09.2	15.1	21.0	16.1	15.2	16.1	17.8	22.4	30.1	31.7	29.8	27.1	26.0	24.1	21.9	19.0	19.3	20.1
27	19.2	19.4	18.5	16.9	20.5	22.5	16.8	14.6	16.8	11.9	13.8	15.6	15.6	16.5	17.4	19.4	22.4	24.2	23.4	22.5	21.7	21.0	20.9	20.6	18.8
28 Q	20.0	19.1	19.2	19.1	19.0	18.4	14.7	18.0	19.8	14.6	14.1	14.7	15.1	14.5	15.0	16.2	19.6	21.5	22.9	22.9	22.1	21.5	20.7	19.8	18.4
29	19.2	19.1	18.8	18.1	19.2	19.1	16.9	16.3	16.3	14.6	14.2	15.7	15.2	15.0	14.6	17.0	19.7	22.4	22.9	21.9	20.9	20.5	20.3	18.8	18.2
30	20.1	18.9	22.5	10.0	19.1	18.7	18.3	18.8	17.8	16.0	15.1	15.1	13.3	14.6	16.2	16.7	18.9	21.0	24.6	25.2	25.6	26.7	26.7	22.7	19.3
31 D	19.2	19.2	20.5	20.4	20.9	17.3	18.6	22.7	15.6	17.2	10.6	24.2	35.3	29.3	24.8	30.2	31.0	28.9	29.7	29.4	25.2	27.3	22.8	17.9	23.3
Mean	19.9	18.6	17.9	17.6	18.6	17.5	17.1	16.9	17.4	16.2	16.8	17.1	16.6	16.6	17.3	20.2	22.9	24.9	25.6	24.6	23.3	22.2	21.8	20.7	19.5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Agincourt — Z = 56,000 γ + — October 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	246	240	244	218	197	157	129	149	197	165	084	067	158	202	219	224	229	245	252	274	282	295	274	244	208
2	240	244	245	235	166	138	198	196	180	203	223	225	229	229	229	230	229	228	238	237	237	234	232	229	220
3 D	227	227	227	230	231	199	167	179	161	213	227	219	207	210	215	222	238	262	308	317	362	361	339	320	244
4 D	366	326	300	233	-036	204	227	196	091	154	198	201	210	238	233	226	230	229	233	251	269	267	280	288	225
5	277	259	250	245	242	253	256	242	236	231	221	216	220	222	223	229	228	238	254	262	272	314	275	275	248
6 D	294	262	224	161	141	161	151	080	129	059	092	167	199	231	231	230	238	253	252	258	272	269	254	250	202
7	248	245	241	236	229	202	214	226	224	224	226	238	233	234	235	236	236	234	235	238	239	245	248	242	234
8	239	229	221	222	226	222	226	228	228	228	226	226	226	227	227	228	228	229	234	234	233	233	231	231	228
9	230	227	228	225	227	227	222	211	209	218	222	223	224	227	226	227	229	229	230	234	237	236	235	233	226
10 Q	234	234	235	234	231	230	228	227	227	227	227	227	225	226	223	220	218	220	223	223	223	225	227	227	227
11 Q	227	228	227	227	227	229	227	227	225	225	224	223	222	221	218	212	211	216	222	225	226	227	229	230	224
12	228	227	224	225	223	223	223	223	222	222	221	221	221	221	217	213	213	218	221	223	223	227	225	225	222
13 Q	223	222	222	222	221	221	219	219	221	221	221	222	221	220	219	221	222	222	224	224	224	222	220	222	221
14	223	223	222	222	221	221	221	218	217	215	215	211	211	214	214	214	219	224	229	230	230	232	238	242	222
15	255	254	241	229	227	226	224	222	220	224	223	223	221	219	217	216	216	215	217	221	232	236	234	230	227
16 Q	226	225	223	222	222	222	222	222	222	221	222	222	221	218	213	205	210	213	214	218	219	221	219	220	219
17	220	218	218	218	218	219	221	219	216	201	201	200	206	208	210	202	205	211	212	217	222	226	236	233	215
18	247	261	277	236	233	232	230	219	181	120	143	194	213	217	216	213	222	236	240	240	242	243	247	249	223
19	240	230	231	226	157	199	219	222	220	218	222	223	225	225	222	216	217	221	230	231	229	228	226	226	221
20	228	225	222	221	219	217	207	191	194	209	213	219	222	222	224	222	219	220	223	224	223	222	222	222	218
21	219	219	217	217	219	216	215	217	218	218	217	219	220	219	221	217	217	220	222	224	225	225	224	224	220
22	225	222	223	223	220	218	205	167	195	187	182	181	187	199	213	224	226	236	242	247	250	256	256	258	218
23	247	243	244	236	228	229	227	220	198	182	182	197	215	219	219	217	217	219	223	225	225	225	225	225	220
24	223	224	223	225	225	224	223	220	217	217	218	220	223	223	223	214	209	212	218	225	229	227	228	229	222
25	228	231	229	205	232	227	202	195	214	208	198	198	201	216	222	220	229	225	229	231	234	229	233	247	220
26	255	253	244	233	208	214	181	170	194	157	174	213	214	214	218	225	234	235	237	237	236	237	243	243	220
27	238	236	237	236	205	164	200	188	170	183	205	220	220	222	227	227	221	227	238	236	232	228	226	225	217
28 Q	223	223	222	223	223	223	214	218	217	214	214	217	220	220	220	214	213	217	224	226	226	222	221	220	220
29	219	218	218	219	220	217	213	215	218	215	214	217	219	220	220	218	217	217	219	225	220	218	219	218	218
30	214	242	239	232	221	222	222	223	221	218	214	213	214	214	217	217	217	220	223	227	236	255	284	293	229
31 D	250	236	231	232	226	223	223	208	189	193	183	181	170	174	192	208	214	226	242	261	269	334	287	293	227
Mean	241	237	234	225	208	212	211	205	202	200	202	208	213	218	220	220	222	226	233	237	241	246	243	242	223

66975—7½

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt — October 1959

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	21	23	789	7	08	333	456	7	06	67.8	4	47	-0.7	68.5	21	56	304	11	16	26	278
2	20	28	806	5	42	656	150	8	32	31.5	3	31	-0.2	31.7	2	10	248	5	13	91	157
3 D	22	05	1036	7	58	668	368	17	21	36.6	23	05	-0.6	37.2	22	06	160	7	02	143	17
4 D	3	44	785	4	26	468	317	4	22	92.6	3	53	-15.5	108.1	0	50	413	4	12	129	284
5	20	58	802	3	11	692	110	18	12	33.7	2	43	1.1	32.6	21	24	356	11	40	215	141
6 D	3	37	795	5	51	480	315	2	59	49.0	8	16	0.2	48.8	0	08	331	10	07	-8	339
7	20	19	790	16	02	715	75	5	08	30.0	1	22	8.9	21.1	0	05	254	5	58	192	62
8	2	26	784	15	42	721	63	19	36	25.2	14	04	13.1	12.1	0	01	244	3	02	211	33
9	6	57	784	15	54	728	56	19	48	27.2	1	35	13.7	13.5	20	56	239	8	05	205	34
10 Q	23	27	785	15	34	734	51	18	40	27.1	12	43	14.2	12.9	2	37	237	16	25	217	20
11 Q	20	18	789	15	36	749	40	18	00	22.8	14	15	14.5	8.3	19	25	231	16	40	209	22
12	19	30	795	14	41	745	50	20	18	27.6	14	40	10.9	16.7	21	40	233	15	08	209	24
13 Q	11	24	798	15	34	739	59	18	22	26.0	13	28	10.8	15.2	19	09	228	7	04	216	12
14	8	13	791	16	15	731	60	19	11	27.2	12	48	3.5	23.7	23	59	247	12	17	205	42
15	21	07	789	16	03	725	64	18	59	25.2	3	55	8.7	16.5	0	45	260	17	31	212	48
16 Q	23	59	793	15	25	724	69	17	23	25.2	13	54	12.4	12.8	0	27	228	15	24	202	26
17	22	21	808	15	14	739	69	18	25	29.1	12	38	6.8	22.3	22	15	243	9	28	192	51
18	0	04	796	10	00	662	134	9	10	34.5	2	33	-0.8	35.3	2	10	340	9	57	88	252
19	22	55	791	16	00	702	89	4	08	34.1	1	00	4.4	29.7	0	01	243	4	27	143	100
20	6	43	783	15	48	716	67	18	27	27.2	8	25	10.1	17.1	0	50	230	8	05	179	51
21	21	50	794	16	18	735	59	22	27	24.4	13	58	13.2	11.2	21	41	230	6	20	213	17
22	0	57	787	16	41	696	91	11	14	29.2	8	29	12.3	16.9	23	10	263	7	16	137	126
23	8	42	780	2	01	720	60	10	16	27.3	2	01	10.9	16.4	0	01	253	10	45	172	81
24	20	41	792	13	48	750	42	18	02	24.6	10	25	13.9	10.7	20	45	232	16	00	205	27
25	11	41	794	3	27	719	75	16	31	27.4	7	15	5.3	22.1	23	59	252	7	07	162	90
26	11	20	792	14	55	677	115	16	11	37.5	6	45	3.3	34.2	0	55	262	6	56	54	208
27	11	56	782	16	36	729	53	5	09	27.8	9	44	8.7	19.1	2	41	242	5	24	151	91
28 Q	6	25	789	16	23	747	42	19	00	23.8	9	50	13.4	10.4	19	45	228	6	38	205	23
29	23	51	825	15	22	703	122	8	27	23.4	10	05	13.5	9.9	19	27	225	15	45	211	14
30	10	53	794	21	49	717	77	22	32	31.8	3	20	-9.8	41.6	23	05	340	13	38	206	134
31 D	21	22	812	15	13	694	118	12	21	43.1	23	46	7.6	35.5	21	43	397	11	02	162	235
Mean			801			688	113			32.9			6.7	26.2			264			166	98
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 41 Agincourt — H = 15,000 γ + — November 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	744	740	742	742	726	704	720	644	651	643	748	760	713	709	729	715	707	719	740	747	739	748	745	729	721
2 D	730	719	699	688	677	706	701	605	706	742	767	761	714	701	713	718	694	697	713	737	760	755	752	761	717
3 D	759	732	742	761	731	730	712	731	722	704	742	768	757	717	689	664	693	700	720	729	740	751	745	745	728
4	754	756	757	756	756	760	748	757	735	737	735	730	737	742	725	697	695	725	743	732	745	747	755	740	740
5	759	731	730	747	732	709	727	649	705	760	739	755	757	732	725	728	722	738	748	754	766	775	781	778	739
6	765	747	756	755	761	760	760	757	765	766	761	771	784	763	743	722	719	717	730	748	752	740	768	775	754
7	775	776	775	766	781	774	777	771	768	773	775	773	763	750	739	719	711	724	727	747	749	762	777	782	760
8	783	782	776	768	750	756	761	766	770	771	771	783	786	763	736	741	740	734	721	739	755	771	777	779	762
9	776	774	775	782	779	780	780	782	784	787	787	788	784	772	765	755	746	743	755	774	776	774	779	781	774
10	776	768	773	774	771	777	768	773	776	783	778	776	772	768	760	747	743	745	757	761	778	783	780	784	770
11 Q	778	771	774	774	774	774	773	774	772	774	778	781	778	766	754	747	740	742	750	762	771	775	783	780	769
12 Q	782	781	774	776	771	776	778	781	781	782	782	784	783	775	769	766	761	767	775	777	783	787	789	784	778
13	781	779	781	779	778	774	769	771	774	778	781	789	793	784	765	765	771	768	780	790	798	808	796	778	780
14	780	784	759	755	761	769	767	763	757	782	781	772	758	757	741	727	728	729	748	757	765	771	774	768	761
15 Q	766	769	766	774	768	774	774	774	774	773	770	771	768	759	752	747	741	743	748	756	762	769	772	775	764
16	776	774	775	771	770	772	774	777	773	776	775	776	769	754	740	741	736	727	740	746	752	759	760	763	762
17	766	761	753	764	761	751	760	769	772	774	776	780	766	765	750	731	722	723	735	749	758	761	763	761	757
18	761	752	749	744	736	751	755	754	751	756	766	776	766	754	741	736	733	735	731	744	756	760	764	765	752
19	766	766	765	765	763	761	763	757	748	771	764	769	766	759	733	716	720	733	743	756	763	768	769	766	756
20 Q	767	758	755	768	766	767	769	769	767	771	775	779	774	763	753	740	739	743	752	761	764	774	779	781	764
21	782	779	776	769	763	764	766	767	768	774	774	779	777	752	750	753	747	730	733	741	753	763	761	760	762
22	739	746	742	738	759	757	760	760	768	769	772	771	775	776	763	748	740	737	741	757	768	774	778	772	759
23	753	737	740	750	776	738	669	614	718	715	704	746	746	726	697	715	727	739	746	750	752	772	774	774	732
24 Q	773	768	756	765	763	768	771	772	774	777	779	779	776	762	750	743	746	742	750	756	764	774	774	776	765
25	772	769	772	771	770	771	771	776	776	775	779	779	784	785	776	759	753	752	755	763	768	760	758	753	769
26	763	769	762	756	757	757	754	766	772	760	771	803	778	762	756	757	760	763	768	778	782	777	779	779	768
27	774	777	774	772	769	764	755	753	766	766	769	766	766	763	765	765	765	765	767	762	772	779	786	792	769
28 D	805	812	814	855	633	363	510	735	672	712	531	721	750	738	724	714	715	721	726	721	728	728	726	726	703
29	728	723	718	731	738	740	738	740	742	740	735	746	746	725	713	721	720	716	715	726	736	752	751	748	733
30 D	748	740	730	741	744	749	753	729	723	723	769	762	724	743	700	683	694	699	724	732	743	746	752	740	733
31																									
Mean	766	761	759	762	753	743	746	745	751	757	758	770	764	753	741	733	731	734	743	752	760	765	768	766	753

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt D = 7° W + ...' November 1959

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	14.5	15.6	13.7	17.6	13.6	11.7	15.2	34.7	23.4	27.0	13.5	31.8	29.8	28.3	25.4	26.2	23.3	24.9	21.9	18.6	18.8	17.5	18.2	18.2	21.0
2 D	15.7	14.2	01.9	10.1	14.5	09.0	13.3	42.4	32.8	12.7	16.5	22.3	29.8	34.9	25.6	24.8	29.8	29.4	25.4	23.4	20.7	22.8	22.4	19.1	21.4
3 D	13.7	16.4	12.3	20.1	14.1	22.9	24.3	14.2	16.8	29.2	22.3	16.7	15.4	16.0	17.7	20.5	25.5	21.8	24.3	24.0	24.4	19.0	23.3	20.0	19.8
4	20.3	20.0	19.9	20.0	19.2	20.0	19.9	22.5	19.8	23.7	24.4	30.1	33.2	25.2	20.2	24.6	34.6	32.9	28.5	25.3	17.9	21.5	18.0	17.7	23.3
5	14.5	15.2	10.7	17.2	28.0	20.9	21.5	23.4	20.9	16.3	22.0	20.1	17.9	16.3	14.7	19.1	20.7	21.7	22.7	23.1	21.0	20.8	20.6	19.9	19.6
6	19.7	10.8	14.2	19.1	20.1	21.6	27.4	18.1	17.3	16.5	24.3	20.9	20.2	16.0	16.3	18.0	21.8	25.8	28.0	25.4	23.7	20.9	20.9	21.0	20.3
7	20.0	19.2	19.1	18.5	15.1	18.2	19.9	19.3	20.0	19.1	17.5	17.9	16.4	15.1	15.1	17.3	22.2	24.3	27.3	26.4	24.8	23.9	21.6	20.0	19.9
8	19.1	18.3	18.2	11.7	16.3	17.9	21.6	20.0	17.9	18.1	21.0	18.8	17.8	15.7	19.7	20.6	19.0	20.6	23.6	25.5	23.7	21.8	20.6	19.3	19.4
9	18.8	19.1	19.0	18.2	17.3	18.7	19.0	18.2	17.9	17.3	17.4	17.2	16.3	14.2	13.4	15.1	17.2	21.8	25.2	26.3	25.4	25.6	24.3	23.0	19.4
10	21.7	19.8	17.9	16.4	17.1	15.6	16.0	16.5	16.9	15.5	15.5	16.4	17.0	14.4	13.6	14.3	17.3	22.7	24.8	25.4	25.0	24.4	23.2	21.9	18.7
11 Q	21.2	18.4	17.7	17.8	18.2	17.9	18.3	18.0	17.3	18.0	17.7	17.2	16.0	14.1	13.4	14.8	17.2	20.6	22.7	23.7	23.5	22.8	22.8	21.5	18.8
12 Q	20.0	19.1	18.7	18.2	16.9	17.0	17.9	18.3	18.8	17.8	17.2	17.9	16.8	15.8	15.3	15.6	17.2	21.6	24.2	23.7	22.8	22.5	22.5	23.0	19.1
13	20.7	18.8	18.8	18.1	18.3	18.7	15.1	17.3	17.9	17.2	18.0	16.5	16.0	12.2	10.9	15.6	16.5	20.9	24.3	25.1	25.4	26.4	27.0	23.7	19.1
14	22.7	19.9	16.5	16.6	16.3	17.2	18.8	19.2	24.6	19.6	15.5	16.4	22.9	19.8	22.4	21.6	25.1	26.1	24.6	23.9	23.7	22.3	22.5	20.0	20.8
15 Q	18.2	17.5	18.0	17.2	18.9	19.1	19.1	18.8	18.2	17.3	17.9	17.0	15.9	15.5	15.5	18.8	21.7	23.6	23.6	23.0	21.6	20.6	19.1	19.0	19.0
16	19.2	18.9	19.0	19.2	19.5	19.4	19.2	18.8	18.1	17.5	16.8	16.8	16.0	13.7	17.5	22.7	23.6	27.0	29.1	27.1	27.5	27.1	23.8	19.7	20.7
17	18.1	18.2	17.8	12.3	13.8	18.2	19.5	19.5	18.8	16.9	16.3	23.7	23.4	17.1	16.1	16.2	18.8	21.3	22.2	21.5	20.7	20.0	19.4	19.8	18.7
18	20.1	21.0	19.1	18.3	16.9	18.1	19.2	18.4	15.5	16.5	14.2	16.5	16.2	15.0	22.2	22.0	22.8	24.3	28.9	27.3	25.1	22.4	21.0	19.1	20.0
19	18.6	18.4	18.1	18.3	18.4	16.8	23.7	16.9	20.5	20.3	16.5	16.3	18.3	17.1	18.3	21.3	22.8	24.5	25.3	24.0	22.2	20.6	19.7	19.8	19.9
20 Q	18.3	15.5	17.9	17.9	18.2	18.9	19.1	19.7	20.0	19.1	18.0	16.8	15.5	15.1	15.5	16.9	19.7	21.9	22.4	22.1	21.4	21.0	20.0	19.1	18.8
21	18.7	18.6	18.5	17.3	16.5	18.0	17.7	18.6	18.8	21.1	17.3	20.6	28.5	34.5	31.2	28.3	26.6	24.8	24.1	26.0	24.2	23.7	25.2	27.0	22.7
22	16.8	18.8	16.7	09.6	16.4	17.4	17.8	18.6	20.6	16.0	16.4	15.6	19.8	17.8	16.2	17.9	20.3	23.6	24.7	24.1	23.9	21.2	20.0	21.3	18.8
23	12.9	21.4	13.3	15.0	20.0	13.3	15.6	26.2	13.0	15.1	34.4	23.4	26.1	22.5	26.4	30.7	29.0	28.3	26.1	24.3	22.1	20.4	19.5	19.1	22.0
24 Q	18.4	18.8	16.5	17.8	18.5	19.0	21.0	19.8	18.6	17.3	17.3	16.8	14.9	15.6	17.9	21.1	22.4	23.7	25.2	24.8	23.8	23.4	21.1	20.2	19.7
25	20.2	17.9	16.9	17.8	18.3	19.2	18.3	19.8	20.2	15.9	12.3	18.1	23.4	19.7	20.6	22.5	24.2	25.6	26.8	26.9	26.6	24.8	24.2	21.5	20.9
26	19.3	18.4	17.3	17.9	14.7	16.3	18.2	26.0	15.6	13.9	27.3	19.9	16.5	14.6	14.7	17.3	20.9	21.5	21.4	20.9	19.9	19.9	21.5	21.6	19.0
27	22.5	19.1	17.7	17.3	17.9	18.3	15.6	16.4	18.1	17.0	17.4	16.9	17.6	16.8	16.8	18.8	20.9	22.7	23.7	23.7	23.5	22.7	21.9	22.4	19.4
28 D	22.6	18.4	09.2	04.1	28.0	25.9	23.1	22.9	16.1	21.3	26.0	24.5	13.0	16.9	19.3	21.9	22.9	24.3	24.9	22.5	23.9	21.4	24.0	21.4	20.8
29	19.0	18.2	16.9	19.0	20.1	23.3	24.4	23.4	20.9	21.4	30.7	26.9	21.4	20.9	19.7	24.6	24.8	24.4	25.5	24.8	22.7	21.9	20.7	20.7	22.3
30 D	19.3	18.3	16.2	17.9	18.9	19.9	19.9	23.4	24.3	27.0	09.2	20.0	24.3	28.6	28.3	28.2	33.5	32.6	29.5	26.4	24.3	24.6	24.2	16.1	23.1
31																									
Mean	19.2	18.1	16.3	16.6	18.0	18.3	19.3	21.0	19.3	18.7	19.0	19.7	19.9	18.7	18.7	20.6	22.7	24.3	25.0	24.3	23.1	22.3	21.8	20.5	20.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Agincourt — Z = 56,000 γ + — November 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	263	250	244	237	217	189	205	114	083	058	147	153	168	177	217	222	242	250	263	267	261	258	256	267	209
2 D	267	252	210	173	175	169	181	077	091	163	183	200	189	204	233	246	250	261	281	279	294	294	280	292	218
3 D	267	273	229	206	229	156	166	176	153	135	205	230	226	229	244	248	250	258	281	274	275	291	269	250	230
4	242	237	235	233	232	217	205	183	190	199	187	187	208	218	231	239	254	256	254	286	304	296	273	269	235
5	253	258	255	236	205	201	203	121	169	204	182	216	233	241	248	243	238	236	232	233	236	234	233	232	223
6	233	237	237	239	229	217	176	206	227	225	218	223	218	225	231	238	245	243	250	257	254	254	251	240	232
7	233	229	229	231	217	218	222	226	227	229	225	227	229	229	225	227	231	231	236	243	251	242	235	229	230
8	227	226	226	216	226	224	215	214	219	221	218	216	216	218	221	227	223	224	230	237	237	234	230	228	224
9	226	226	226	226	224	225	224	224	224	224	222	221	221	221	221	216	215	219	223	226	237	243	238	237	225
10	240	242	238	237	237	234	229	229	228	224	220	221	220	215	211	207	206	209	218	221	230	234	233	231	226
11 Q	236	238	232	228	224	225	226	226	224	223	221	225	227	229	230	228	222	226	228	229	231	231	232	230	228
12 Q	226	229	231	231	230	228	226	226	224	223	222	223	221	223	225	224	218	215	221	223	224	224	227	229	225
13	228	227	228	229	227	226	224	225	225	224	223	219	221	218	212	215	210	212	215	216	224	226	230	232	222
14	245	285	288	275	254	232	215	213	171	204	209	209	213	218	212	213	225	227	237	238	244	244	240	238	231
15 Q	234	233	233	227	228	227	226	225	226	225	224	222	223	224	223	223	226	227	229	232	230	228	227	225	227
16	223	222	221	221	220	220	220	220	219	218	218	219	221	224	227	224	226	234	239	242	244	242	242	234	227
17	230	227	229	221	206	214	223	229	229	226	223	213	209	215	221	224	227	231	234	234	230	229	227	227	224
18	225	227	230	226	225	226	221	214	212	208	208	218	226	226	230	228	226	226	241	245	235	231	231	227	226
19	227	228	227	226	224	220	215	190	195	196	207	214	214	215	214	214	219	221	224	225	227	227	227	226	218
20 Q	226	228	230	227	224	222	218	219	221	222	221	221	221	221	219	216	214	218	221	225	224	222	223	222	222
21	219	220	220	220	220	220	220	220	219	215	212	202	188	188	193	206	222	229	240	244	243	240	243	266	221
22	268	245	233	206	215	224	224	221	212	212	220	220	221	219	214	212	215	221	228	231	230	227	227	228	224
23	240	290	303	293	158	164	157	135	195	184	125	167	186	202	216	228	231	237	242	246	252	240	233	231	215
24 Q	229	232	234	233	231	231	227	228	228	229	227	227	227	227	225	225	227	225	230	233	231	231	229	228	229
25	228	230	229	228	227	226	225	224	210	204	208	207	203	197	197	199	208	219	229	232	233	233	238	243	220
26	236	232	233	231	227	223	220	194	198	203	178	171	189	207	215	217	221	225	228	227	227	225	229	236	216
27	250	238	233	231	231	230	227	231	231	227	226	223	221	220	216	213	216	218	224	228	233	229	229	250	228
28 D	249	313	372	310	090	050	-109	208	199	223	061	220	244	245	246	243	240	246	255	261	267	267	262	259	218
29	255	245	238	236	238	233	234	238	240	232	189	189	203	220	235	243	245	246	245	252	250	250	243	241	235
30 D	240	239	238	235	234	233	231	202	153	139	183	177	198	205	210	225	224	256	261	258	250	250	263	271	225
31																									
Mean	239	242	240	232	217	211	203	202	201	204	200	209	213	217	222	224	228	232	238	241	244	243	240	241	224

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt — November 1959

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	11	47	770	8	51	561	209	8	58	48.4	10	13	4.4	44.0	0	07	279	9	30	9	270
2 D	23	49	796	7	38	522	274	7	53	54.5	2	41	-8.4	62.9	23	28	317	7	39	-1	318
3 D	0	14	798	16	11	648	150	9	21	38.9	0	08	0.9	38.0	21	05	303	5	56	111	192
4	22	34	771	16	10	666	105	12	15	40.9	23	59	4.1	36.8	19	54	323	7	16	167	156
5	22	16	784	7	15	610	174	7	05	39.1	0	02	-4.8	43.9	0	01	275	7	06	95	180
6	12	10	798	21	33	706	92	6	13	32.8	1	25	5.9	26.9	21	57	264	6	19	159	105
7	4	37	791	16	10	705	86	18	32	28.3	4	35	10.9	17.4	20	31	257	5	07	205	52
8	3	27	792	18	45	712	80	19	40	26.1	3	40	8.0	18.1	19	57	239	3	34	201	38
9	22	58	790	16	54	737	53	20	40	28.3	14	02	10.1	18.2	21	05	249	16	45	213	36
10	21	36	797	17	00	738	59	20	52	26.3	10	03	12.3	14.0	1	13	243	16	40	204	39
11 Q	0	01	787	16	58	685	102	19	23	24.1	14	19	11.7	12.4	1	05	239	10	09	219	20
12 Q	22	42	795	17	05	755	40	18	58	25.4	15	03	13.4	12.0	2	58	233	17	33	213	20
13	21	59	820	14	55	746	74	22	02	28.7	14	56	5.8	22.9	23	48	235	14	57	206	29
14	10	31	794	16	31	713	81	12	36	30.1	10	53	9.6	20.5	1	36	305	8	20	177	128
15 Q	3	08	779	17	07	740	39	18	00	24.3	14	12	14.1	10.2	0	30	235	11	38	221	14
16	8	09	780	17	16	718	62	18	16	29.8	13	48	11.8	18.0	20	27	246	8	12	216	30
17	11	47	789	16	38	719	70	11	28	26.0	3	23	6.1	19.9	18	50	237	4	43	194	43
18	11	37	778	18	24	714	64	18	55	32.3	10	18	13.1	19.2	19	03	255	9	50	202	53
19	9	30	778	15	48	708	70	18	25	26.1	10	01	13.7	12.4	0	10	229	7	42	176	53
20 Q	23	58	784	15	44	735	49	18	42	22.6	1	32	12.8	9.8	2	23	233	16	15	213	20
21	12	02	789	18	02	721	68	13	22	36.9	3	54	13.6	23.3	23	55	294	12	45	184	110
22	22	37	782	0	26	721	61	19	18	25.6	3	45	-0.6	26.2	0	01	291	3	58	176	115
23	4	10	832	7	00	515	317	10	18	41.1	4	36	-2.6	43.7	4	12	325	4	39	216	109
24 Q	11	34	781	17	19	739	42	18	50	26.0	2	25	13.0	13.0	2	41	238	14	25	222	16
25	12	43	794	23	32	749	45	18	48	27.3	10	37	11.9	15.4	23	23	246	13	43	195	51
26	11	21	810	7	08	746	64	6	24	31.4	9	21	12.1	19.3	23	59	247	10	37	166	81
27	23	52	862	7	03	743	119	0	14	29.5	23	56	11.4	18.1	23	53	287	15	53	210	77
28 D	3	45	963	5	52	-167	1130	5	55	91.2	5	47	-24.9	116.1	2	26	433	5	55	-609	1042
29	12	02	757	2	34	702	55	10	55	32.8	2	28	15.0	17.8	0	03	257	10	51	174	83
30 D	10	57	792	15	48	662	130	9	11	55.3	10	26	5.9	49.4	23	10	294	9	26	108	186
31																					
Mean			798			666	132			34.3			7.0	27.3			270			148	122
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 45 Agincourt — H = 15,000 γ + — December 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	752	754	742	748	728	734	736	730	733	728	707	738	750	748	749	728	716	729	740	752	745	755	760	754	740
2	742	745	752	745	750	740	752	744	750	750	748	771	780	744	729	717	733	733	734	718	742	745	761	750	745
3 D	733	737	741	742	734	707	683	681	734	684	784	748	733	781	735	717	745	757	764	762	764	744	732	752	737
4	750	754	747	737	748	761	761	758	763	767	774	778	772	770	765	756	746	749	756	762	764	759	767	772	760
5 D	773	770	769	770	771	770	772	769	749	755	784	795	783	703	693	624	650	674	694	762	800	762	741	742	745
6	738	736	739	739	757	732	737	738	741	755	763	762	762	749	738	724	721	719	724	737	752	765	770	767	744
7 Q	762	752	756	764	757	759	763	762	763	764	766	767	769	766	756	751	754	748	749	752	762	767	769	775	761
8	775	776	772	769	764	765	767	769	768	766	769	769	772	767	756	744	744	748	768	779	775	772	779	780	767
9	782	782	780	775	776	768	763	770	773	780	779	781	773	759	749	738	733	736	756	771	785	791	788	794	770
10 Q	790	789	785	785	782	782	781	778	778	778	779	780	778	768	757	743	740	750	763	767	780	782	787	790	775
11 Q	788	787	786	785	780	770	767	775	778	782	782	782	780	775	768	759	758	762	769	776	785	787	789	785	777
12	788	790	780	765	765	773	770	775	769	779	778	780	779	770	768	763	759	759	766	777	782	767	767	767	772
13	762	753	744	743	759	762	762	767	770	773	778	774	773	768	754	744	741	736	755	776	793	787	771	761	763
14 D	753	741	722	722	713	730	722	697	686	656	749	787	768	728	751	728	714	717	714	738	755	754	751	759	731
15	761	757	770	757	750	705	744	728	729	744	759	772	767	769	757	740	724	731	739	762	772	780	757	756	751
16	766	762	761	762	770	773	780	769	763	761	775	786	782	767	757	748	730	739	746	758	766	766	763	759	763
17	757	765	765	764	768	770	772	770	769	773	775	780	778	770	763	748	744	746	751	755	769	778	781	779	766
18	774	775	777	775	776	778	784	793	774	771	785	785	784	780	765	754	749	749	759	767	782	783	785	780	774
19	782	775	764	753	748	757	754	757	759	775	784	783	767	773	768	757	745	736	737	751	763	773	776	770	763
20	764	757	766	763	764	770	774	773	778	782	780	785	787	780	769	756	741	729	734	755	767	775	776	772	767
21 Q	772	771	771	772	771	778	779	778	781	772	783	787	786	777	764	748	741	745	757	771	777	779	782	781	772
22 Q	779	778	775	776	779	779	782	782	784	786	787	788	788	776	758	741	732	733	752	771	791	793	785	783	774
23	788	784	786	782	783	771	753	766	767	771	771	773	771	761	745	726	695	712	739	743	769	780	777	772	762
24	758	755	754	755	754	755	760	758	750	734	758	774	781	768	755	748	730	728	748	760	776	786	790	785	759
25	769	761	758	755	758	773	774	779	776	780	779	776	781	774	760	742	734	739	748	758	771	779	780	778	766
26	775	780	776	769	790	765	764	765	773	771	775	777	801	790	748	718	728	738	735	760	774	765	758	758	765
27 D	764	765	754	745	749	772	757	759	765	774	726	758	776	765	754	728	702	729	730	738	752	764	764	744	751
28 D	773	749	755	768	765	746	745	753	753	766	760	759	776	776	724	712	708	722	723	728	753	760	764	759	750
29	755	770	760	751	765	763	764	749	763	768	775	758	770	779	765	745	731	740	750	755	769	772	773	767	761
30	776	776	774	768	771	769	764	776	772	779	784	788	780	771	747	747	748	753	755	764	764	773	775	776	769
31	776	773	773	772	779	781	779	774	780	784	784	780	777	766	758	744	736	745	760	769	770	780	784	784	771
Mean	767	765	763	761	762	760	760	759	761	762	770	775	775	766	752	737	731	736	746	758	770	772	771	769	760

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt D = 7° W + ... ′ December 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	21.0	18.9	11.7	15.1	16.4	27.2	20.3	29.1	22.6	20.1	28.1	21.0	28.4	23.0	21.9	19.9	24.7	25.0	23.2	23.0	22.0	22.1	20.4	19.8	21.9
2	18.6	16.9	15.5	16.6	17.9	23.8	18.4	21.1	25.0	25.7	21.9	32.1	23.8	28.3	26.1	27.2	29.7	26.5	26.6	26.6	27.4	21.9	19.3	18.9	23.2
3 D	16.2	16.4	15.7	10.8	11.0	10.6	19.2	34.7	32.4	27.8	12.6	29.5	31.2	36.7	29.2	25.7	26.0	23.6	25.4	24.7	23.8	27.3	23.7	20.1	23.1
4	18.2	17.1	16.2	12.2	18.1	19.2	18.1	19.2	20.3	20.7	16.4	16.4	17.4	17.7	16.5	18.0	20.3	22.6	24.8	22.7	21.1	22.1	20.9	19.9	19.0
5 D	19.0	18.4	18.3	18.8	18.9	19.2	19.5	18.2	20.1	24.7	19.2	16.7	34.7	29.4	31.8	27.6	38.8	27.5	26.0	31.1	32.6	32.0	27.8	22.7	24.7
6	20.1	18.3	18.6	14.6	23.9	17.3	17.0	16.9	19.9	18.4	17.7	16.5	16.1	15.3	16.2	18.0	20.2	23.2	24.8	24.7	23.2	22.1	20.8	21.6	19.4
7 Q	22.0	19.7	19.2	18.0	19.3	20.1	20.4	20.2	18.4	18.7	18.3	18.2	17.8	16.9	16.9	20.9	21.9	21.7	22.8	22.9	22.5	21.9	21.7	20.9	20.1
8	19.4	18.9	18.2	18.3	20.1	18.3	19.4	18.4	18.0	16.9	16.5	16.4	16.9	16.5	16.5	17.6	19.8	23.6	25.4	23.8	22.9	24.3	24.8	21.9	19.7
9	19.2	18.0	17.3	17.1	17.1	18.0	17.7	16.5	18.0	17.4	15.5	16.5	15.9	16.0	16.5	18.9	21.5	24.4	25.1	23.9	22.4	21.5	19.3	19.2	18.9
10 Q	19.2	18.0	17.9	17.4	17.5	18.1	17.7	18.0	17.3	17.7	17.3	17.5	17.2	16.1	16.1	18.0	20.7	22.3	24.5	23.7	22.4	21.5	20.2	19.0	19.0
11 Q	18.0	17.0	17.0	17.1	17.5	18.0	16.1	17.0	17.3	16.5	17.3	16.8	17.1	16.2	15.5	16.4	20.2	21.8	22.9	21.6	20.9	20.3	20.7	19.8	18.3
12	18.6	17.4	18.2	13.4	18.0	16.9	18.4	18.1	18.0	18.0	14.6	14.4	15.2	17.3	15.7	16.4	18.0	20.9	22.6	23.5	25.0	27.2	30.2	26.4	19.3
13	19.7	10.9	13.0	15.1	16.4	17.8	19.2	18.9	18.4	18.8	17.9	17.3	17.3	16.2	16.3	17.5	19.3	22.7	25.1	24.6	25.5	28.4	28.8	22.7	19.5
14 D	16.9	16.7	17.0	16.1	12.6	16.0	16.9	23.0	21.6	29.2	21.4	27.5	17.5	27.5	31.6	24.8	23.7	22.9	25.4	23.8	23.9	22.7	21.0	18.9	21.6
15	17.9	16.9	11.6	17.1	17.7	23.1	21.8	19.0	12.7	15.5	15.2	14.0	17.7	17.2	16.2	19.3	22.0	22.9	27.5	25.0	22.8	21.2	21.8	16.6	18.9
16	18.6	17.4	11.8	16.9	20.7	23.4	21.1	18.9	16.1	17.8	22.4	16.4	14.4	17.8	20.1	21.0	25.6	29.2	27.2	26.2	26.5	23.9	21.0	21.0	20.6
17	19.8	16.5	16.7	16.8	17.6	18.9	20.4	22.3	17.5	15.6	17.0	17.0	17.1	14.7	14.0	15.6	18.6	21.1	23.6	24.5	24.5	22.3	20.4	18.8	18.8
18	16.5	16.8	16.4	17.3	18.0	18.9	20.4	26.3	17.7	15.7	15.4	15.8	20.7	18.6	13.7	15.8	17.8	19.4	21.9	23.5	23.6	21.8	21.6	19.0	18.9
19	17.1	17.3	16.5	17.0	15.9	15.5	20.1	26.3	23.8	24.0	19.3	23.5	23.1	25.9	22.7	21.8	20.7	23.0	24.2	23.3	23.0	21.2	19.8	19.2	21.0
20	18.9	16.5	17.0	16.6	14.8	18.4	19.7	19.3	18.9	18.3	18.9	17.9	17.3	15.8	15.1	16.6	19.3	23.4	25.3	24.9	23.2	22.5	21.4	20.3	19.2
21 Q	18.8	17.0	15.7	17.9	18.4	20.5	21.1	20.3	19.2	18.0	17.8	16.9	16.2	14.1	12.9	14.5	18.6	22.0	23.4	23.2	22.1	21.6	20.7	20.2	18.8
22 Q	19.0	18.0	16.4	16.5	17.7	18.4	18.9	18.7	18.2	17.6	16.9	16.0	15.2	13.3	12.4	14.6	17.4	21.6	23.6	22.8	22.5	22.0	21.3	18.9	18.2
23	18.6	16.5	15.6	16.2	16.1	14.3	18.6	16.9	15.7	16.9	16.7	15.1	16.0	12.8	12.3	12.7	17.2	30.0	28.4	24.5	25.6	24.8	22.8	27.5	18.9
24	25.5	16.2	14.0	16.3	17.5	17.9	16.6	18.2	23.3	25.4	25.7	22.6	15.3	14.2	13.7	15.6	17.6	20.8	22.7	23.8	23.0	21.1	19.4	18.0	19.4
25	16.9	17.5	17.5	16.2	17.9	19.9	22.4	19.8	18.1	21.7	18.7	16.9	15.4	13.9	13.8	17.6	20.8	23.4	24.8	25.5	23.2	20.8	19.3	18.4	19.2
26	18.2	17.4	17.3	17.2	13.7	18.7	19.1	18.1	18.4	17.5	17.4	29.4	18.5	15.3	20.4	22.1	26.0	26.7	26.5	27.3	24.1	22.6	20.6	19.3	20.5
27 D	11.1	15.5	14.1	20.4	18.1	21.0	16.6	18.9	16.0	22.8	38.7	26.7	18.5	20.2	20.8	20.0	20.8	22.2	23.8	25.4	22.2	22.1	21.0	10.1	20.3
28 D	10.8	16.6	17.4	16.5	18.3	24.7	18.2	18.0	20.9	16.4	18.3	27.3	16.5	14.4	26.6	35.5	30.0	27.3	27.2	29.6	25.6	22.7	20.2	19.0	21.6
29	17.9	13.7	16.7	12.9	10.8	19.1	19.2	25.1	23.0	19.0	20.6	23.6	24.6	17.9	20.1	20.8	21.0	22.2	23.7	23.7	22.1	21.4	20.2	17.1	19.8
30	18.0	18.3	18.3	18.1	17.4	20.8	23.9	24.8	14.7	18.7	17.2	23.3	34.0	22.0	25.8	31.0	30.0	27.1	23.9	23.1	22.6	20.2	19.3	18.9	22.1
31	18.3	17.6	17.6	17.6	18.6	19.9	20.3	24.5	18.5	17.5	21.0	19.3	17.1	16.2	18.1	19.7	22.9	24.4	23.4	22.1	21.7	20.9	20.1	19.6	19.9
Mean	18.3	17.1	16.3	16.4	17.2	19.2	19.2	20.8	19.4	19.6	19.1	20.0	19.5	18.6	18.9	20.0	22.3	23.7	24.7	24.5	23.6	22.8	21.6	19.8	20.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Agincourt — Z = 56,000 γ + — December 1959

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	264	250	237	215	234	177	197	183	179	164	131	170	186	207	220	224	238	245	249	252	244	240	238	239	216
2	238	243	234	228	193	179	219	208	203	210	183	158	195	209	225	242	250	244	249	262	274	268	247	253	226
3 D	250	237	208	203	211	174	117	110	115	055	096	128	146	172	189	215	231	228	241	250	253	280	271	255	193
4	250	250	249	261	254	234	233	231	225	222	224	227	226	224	219	219	225	229	231	233	234	238	235	233	234
5 D	232	231	231	231	231	231	231	226	213	203	228	191	197	194	201	233	306	339	374	341	346	332	273	261	252
6	252	250	256	255	237	233	247	243	234	232	238	237	234	234	228	236	243	248	252	255	251	246	240	240	243
7 Q	243	250	253	245	240	239	239	238	238	238	237	236	235	236	231	227	226	229	231	236	239	238	238	238	238
8	236	236	235	235	235	236	235	234	232	231	227	232	234	235	237	233	234	235	235	235	238	236	240	239	235
9	236	234	231	229	230	232	234	232	232	234	226	228	226	228	228	228	232	235	240	241	241	238	233	232	232
10 Q	232	232	230	232	232	234	230	232	229	229	229	228	228	228	227	223	226	230	234	236	238	233	232	230	231
11 Q	229	228	226	227	226	229	234	232	232	228	228	226	224	223	220	218	225	220	223	227	226	226	226	226	226
12	226	226	230	220	223	228	229	227	222	209	214	221	220	222	222	223	221	218	225	226	231	242	268	272	228
13	272	262	234	242	237	232	232	228	229	228	227	226	226	226	224	222	222	223	227	230	232	241	331	303	240
14 D	275	275	273	226	216	224	208	156	111	130	172	183	214	216	211	215	229	242	270	258	253	250	246	244	221
15	241	239	234	229	223	172	156	165	181	203	203	222	230	227	226	224	234	237	245	246	241	241	241	247	221
16	246	241	236	233	228	218	209	215	208	215	211	211	222	221	220	217	226	237	239	241	246	241	245	244	228
17	247	247	239	235	233	230	229	220	217	220	225	227	227	228	228	220	220	223	227	230	234	235	232	234	229
18	234	233	230	228	226	223	216	191	202	208	207	209	212	208	205	206	211	220	223	226	231	228	230	232	218
19	234	234	232	230	222	205	193	185	184	179	173	183	192	208	200	203	211	218	228	234	234	232	230	229	211
20	230	234	230	224	223	225	223	224	225	224	223	223	221	221	218	217	220	229	235	232	230	229	228	228	226
21 Q	227	227	226	225	223	220	217	223	222	222	222	222	222	222	216	209	214	221	223	225	222	223	225	225	222
22 Q	225	227	226	221	223	222	222	222	221	221	220	221	221	222	220	217	216	221	223	226	227	226	226	227	223
23	227	225	223	223	222	217	214	226	223	227	226	223	225	226	222	216	217	242	250	238	238	238	245	271	229
24	302	278	260	246	239	236	231	229	211	184	196	212	204	214	217	223	226	232	234	233	234	233	228	228	230
25	226	226	226	225	219	212	221	221	217	209	209	220	222	223	221	220	223	228	232	236	235	230	229	228	223
26	226	225	225	225	208	203	205	218	223	223	220	203	189	202	205	214	224	231	235	243	247	241	242	255	222
27 D	251	247	243	214	176	189	203	203	180	189	136	198	214	216	214	217	251	259	257	259	263	250	243	261	222
28 D	254	258	251	247	232	180	193	209	205	211	209	190	204	214	208	228	241	266	284	273	262	258	257	253	233
29	248	230	232	229	220	223	229	209	198	183	212	204	214	223	217	217	228	234	236	235	235	233	233	233	223
30	234	232	230	229	222	217	210	208	208	211	217	211	200	201	208	211	217	229	233	232	231	231	230	230	220
31	228	227	227	228	226	222	220	212	206	216	217	217	222	228	228	226	231	236	234	230	228	228	225	225	224
Mean	242	240	235	230	225	216	215	212	207	205	205	209	214	218	218	221	230	236	243	243	243	242	242	242	226

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt — December 1959

Day		Horizontal Intensity						Declination						Vertical Intensity					
		Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +		Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
		h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1		9	28	779	10	22	659	120	5	19	36.8	2	46	2.7	34.1	0	27	269	10	24	107	162
2		12	39	794	19	49	702	92	11	12	39.1	2	23	12.9	26.2	20	37	282	11	33	136	146
3	D	10	45	810	7	02	641	169	7	17	45.5	3	11	3.0	42.5	21	55	296	5	53	13	283
4		11	27	782	3	49	727	55	18	27	25.7	3	55	6.1	19.6	3	26	274	9	02	216	58
5	D	16	52	964	15	56	603	361	13	50	45.6	18	58	11.8	33.8	12	55	520	11	06	168	352
6		4	40	790	18	14	707	83	4	50	37.6	3	25	7.8	29.8	3	18	269	4	48	203	66
7	Q	23	57	778	1	35	740	38	19	18	23.6	14	04	15.7	7.9	1	42	258	16	46	225	33
8		19	50	785	17	21	732	53	18	39	26.2	5	24	16.2	10.0	22	52	241	10	30	227	14
9		23	37	799	16	14	729	70	18	08	25.6	7	21	11.2	14.4	20	09	245	10	31	221	24
10	Q	1	15	793	15	53	735	58	18	55	26.0	4	28	15.2	10.8	20	29	240	15	38	220	20
11	Q	21	43	791	15	25	753	38	18	30	23.5	15	28	12.0	11.5	6	45	235	15	18	214	21
12		1	34	795	3	21	750	45	22	50	32.0	3	29	0.6	31.4	23	27	276	3	28	206	70
13		20	25	807	17	23	725	82	22	19	36.2	1	43	6.3	29.9	22	38	356	2	06	211	145
14	D	12	35	801	9	26	587	214	14	05	38.3	4	41	8.9	29.4	1	55	293	8	56	73	220
15		11	13	788	16	13	738	50	18	32	29.2	2	20	6.8	22.4	23	41	250	6	31	114	136
16		11	18	790	16	41	721	69	17	09	30.0	2	42	7.0	23.0	22	48	248	8	27	198	50
17		23	02	783	16	51	741	42	7	18	25.4	14	09	10.7	14.7	0	34	250	8	00	214	36
18		7	03	801	16	55	744	57	7	10	30.7	10	55	11.0	19.7	1	00	236	7	28	184	52
19		19	54	793	18	00	729	64	7	17	35.8	9	04	11.8	24.0	0	42	238	10	07	167	71
20		12	32	788	17	20	725	63	18	02	26.1	4	18	13.4	12.7	18	32	237	15	38	212	25
21	Q	11	40	787	16	38	685	102	18	26	23.8	14	16	12.3	11.5	19	46	228	15	21	208	20
22	Q	20	54	798	16	40	727	71	18	43	24.0	14	23	11.1	12.9	22	50	229	16	04	214	15
23		0	20	801	16	39	683	118	23	49	37.1	15	30	5.8	31.3	23	58	312	6	37	203	109
24		22	22	793	16	49	723	70	0	01	30.2	13	31	10.9	19.3	0	01	311	10	12	172	139
25		10	02	795	16	43	731	64	19	15	26.4	14	19	12.0	14.4	19	20	236	10	15	199	37
26		12	26	805	15	39	714	91	11	47	39.5	4	17	9.9	29.6	23	53	281	11	58	173	108
27	D	10	03	800	10	46	653	147	10	36	45.0	23	58	-5.8	50.8	0	01	281	10	44	111	170
28	D	13	05	788	16	46	678	110	15	10	41.4	0	02	-5.8	47.2	18	18	294	5	33	139	155
29		1	19	786	16	16	727	59	7	32	28.5	1	13	0.6	27.9	0	50	251	9	36	83	168
30		11	52	793	15	05	739	54	12	33	35.9	8	36	12.4	23.5	17	58	236	8	41	195	41
31		23	22	786	16	53	734	52	7	44	29.1	13	17	15.3	13.8	18	02	236	8	05	202	34
Mean				798			709	89			32.3			8.7	23.6			271			175	96
No. days				31			31	31			31			31	31			31			31	31

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

HORIZONTAL INTENSITY (gammas) (All Days)

Table 49 Agincourt 1959

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+11	+9	+8	+9	+7	+7	+6	+7	+8	+12	+12	+12	+11	+3	-12	-31	-40	-40	-27	-13	+2	+10	+15	+16
February	+12	+11	+12	+9	+6	+1	-2	-8	-4	+3	+6	+15	+9	-3	-14	-27	-31	-29	-17	-8	+4	+12	+19	+16
March	+23	+21	+10	+1	0	-7	-12	-14	-2	+3	+7	0	-4	-15	-33	-43	-36	-27	-10	+9	+23	+37	+41	+24
April	+15	+8	+7	+6	+5	+1	0	0	+1	+7	+6	+3	-6	-16	-29	-37	-36	-24	-8	+10	+26	+31	+21	+18
May	+19	+10	+7	+6	+2	-1	-6	-7	-11	-7	-9	-12	-16	-25	-30	-32	-28	-9	+9	+20	+27	+31	+33	+24
June	+14	+8	+5	+4	+1	0	-2	-5	-13	-15	-15	-14	-15	-20	-28	-31	-26	-10	+9	+24	+36	+35	+33	+20
July	+26	+12	+6	0	-17	-13	-9	-15	-18	-38	-34	-27	-37	-44	-45	-49	-43	-13	+43	+63	+72	+75	+60	+45
August	+11	+8	+5	+7	+1	0	-2	-5	-3	-5	-9	-13	-22	-33	-42	-48	-34	-12	+11	+32	+43	+45	+39	+33
September	+18	+14	+14	+4	+1	-7	-15	-22	-19	-5	+8	+5	-5	-22	-35	-40	-31	-13	+6	+21	+29	+31	+33	+32
October	+10	+9	+6	+3	-2	0	+1	-7	-1	+7	+10	+11	+1	-9	-22	-29	-26	-14	-2	+10	+16	+15	+13	+10
November	+13	+8	+6	+9	0	-10	-7	-8	-2	+4	+5	+17	+11	0	-12	-20	-22	-19	-10	-1	+7	+12	+15	+13
December	+7	+5	+3	+1	+2	0	0	-1	+1	+2	+10	+15	+15	+6	-8	-23	-29	-24	-14	-2	+10	+12	+11	+9
Year	+14.1	+10.2	+7.4	+4.9	+0.5	-2.4	-4.0	-7.1	-5.2	-2.7	-0.2	+1.0	-4.8	-14.8	-25.8	-34.2	-31.8	-19.5	-0.8	+13.8	+24.6	+28.8	+27.8	+21.7
Winter	+10.8	+8.2	+7.2	+7.0	+3.8	-0.5	-0.8	-2.5	+0.8	+5.2	+8.2	+14.8	+11.5	+1.5	-11.5	-25.2	-30.5	-28.0	-17.8	-6.0	+5.8	+11.5	+15.0	+13.5
Equinox	+14.0	+13.0	+9.2	+3.5	+1.0	-3.2	-6.5	-10.8	-5.2	+3.0	+7.8	+4.8	-3.5	-15.5	-29.8	-37.2	-32.2	-19.5	-3.5	+12.5	+23.5	+28.5	+27.0	+21.0
Summer	+17.5	+9.5	+5.8	+4.2	-3.2	-3.5	-4.8	-8.0	-11.2	-16.2	-16.8	-16.5	-22.5	-30.5	-36.2	-40.0	-32.8	-11.0	+18.8	+34.8	+44.5	+46.5	+41.2	+30.5

DECLINATION (minutes) (All Days)

Table 50 Agincourt 1959

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-1.1	+0.9	+1.7	+2.1	+1.7	+1.3	+1.2	+1.6	+1.4	+1.9	+1.9	+1.5	+2.5	+5.4	+5.7	+2.8	-0.7	-4.3	-6.2	-6.7	-5.8	-3.8	-2.3	-1.6
February	-1.1	+0.3	+1.7	+2.8	+3.4	+2.6	+2.9	+2.5	+1.3	+1.4	+2.2	+2.7	+2.3	+2.3	+3.2	+1.5	-1.3	-3.5	-5.7	-6.2	-5.8	-4.6	-3.1	-2.6
March	-1.1	-0.2	+1.0	+2.1	+1.4	+1.5	+1.0	+2.5	+2.5	+1.4	+2.3	+2.6	+4.6	+6.8	+4.4	+2.4	-1.5	-5.0	-7.0	-6.8	-6.1	-3.8	-2.1	-2.0
April	-0.9	+0.4	+1.3	+1.5	+1.6	+2.1	+1.7	+1.5	+3.0	+2.9	+3.5	+5.4	+6.7	+6.5	+4.2	+0.8	-3.6	-7.4	-8.8	-8.4	-6.2	-4.1	-2.9	-1.4
May	+0.1	+0.4	+0.4	+0.9	+0.3	+1.3	-0.3	+0.2	+0.9	+1.5	+4.3	+6.8	+7.7	+6.9	+3.6	-1.0	-4.1	-7.3	-7.9	-6.8	-4.6	-2.3	-0.8	-0.3
June	+0.1	+0.3	-0.1	+0.3	-0.1	+0.2	+0.2	+0.5	-0.6	+1.2	+5.5	+7.8	+9.2	+8.6	+6.3	+0.8	-3.6	-6.9	-8.6	-8.4	-6.3	-4.0	-1.5	-0.7
July	-0.1	+0.5	+0.1	+0.5	0.0	-0.5	-2.4	-3.2	-4.3	-4.9	+0.2	+6.4	+8.4	+9.0	+6.8	+2.4	-0.6	-0.9	-2.1	-5.8	-5.0	-2.9	-1.8	-0.7
August	+0.4	+0.8	+1.6	+1.8	+2.2	+1.2	-0.7	-1.8	+0.3	+1.7	+3.7	+6.2	+9.3	+8.2	+5.1	-1.2	-6.0	-8.8	-9.0	-8.1	-5.0	-2.6	-0.9	+0.9
September	+0.8	+2.1	+3.5	+2.7	+1.2	+1.1	+1.0	+1.3	+1.2	+2.2	+3.5	+5.4	+6.0	+5.2	+1.4	-3.4	-7.0	-8.4	-7.8	-6.5	-4.0	-1.9	-0.3	+0.7
October	-0.4	+0.9	+1.6	+1.9	+0.9	+2.0	+2.4	+2.6	+2.1	+3.3	+2.7	+2.4	+2.9	+2.9	+2.2	-0.7	-3.4	-5.4	-6.1	-5.1	-3.8	-2.7	-2.3	-1.2
November	+1.0	+2.1	+3.9	+3.6	+2.2	+1.9	+0.9	-0.8	+0.9	+1.5	+1.2	+0.5	+0.3	+1.5	+1.5	-0.4	-2.5	-4.1	-4.8	-4.1	-2.9	-2.1	-1.6	-0.3
December	+1.8	+3.0	+3.8	+3.7	+2.9	+0.9	+0.9	-0.7	+0.7	+0.5	+1.0	-0.1	+0.6	+1.5	+1.2	+0.1	-2.2	-3.6	-4.6	-4.4	-3.5	-2.7	-1.5	+0.3
Year	-0.12	+0.96	+1.71	+1.99	+1.48	+1.30	+0.73	+0.52	+0.78	+1.22	+2.67	+3.97	+5.04	+5.40	+3.80	+0.32	-3.04	-5.47	-6.55	-6.44	-4.92	-3.12	-1.76	-0.74
Winter	+0.15	+1.58	+2.78	+3.05	+2.55	+1.68	+1.48	+0.65	+1.07	+1.32	+1.58	+1.15	+1.42	+2.68	+2.90	+0.92	-1.68	-3.88	-5.32	-5.35	-4.50	-3.30	-2.12	-1.05
Equinox	-0.40	+0.80	+1.85	+2.05	+1.28	+1.68	+1.52	+1.98	+2.20	+2.45	+3.00	+3.95	+5.05	+5.85	+3.05	-0.22	-3.88	-6.55	-7.42	-6.70	-5.02	-3.12	-1.90	-0.98
Summer	-0.12	+0.50	+0.50	+0.88	+0.60	+0.55	-0.80	-1.08	-0.92	-0.12	+3.42	+6.80	+8.65	+8.18	+5.45	+0.25	-3.58	-5.98	-6.90	-7.28	-5.22	-2.95	-1.25	-0.20

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Agincourt 1959

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+13	+11	+5	+1	-1	-5	-6	-7	-10	-13	-12	-11	-9	-6	-8	-9	-4	+2	+7	+10	+12	+13	+13	+13
February	+23	+22	+13	+2	-6	-7	-11	-23	-18	-24	-29	-18	-14	-11	-10	-10	-4	+8	+14	+17	+19	+19	+21	+22
March	+18	+19	+16	-2	-6	-11	-21	-23	-16	-16	-15	-17	-12	-9	-12	-8	0	+5	+11	+19	+24	+28	+24	+12
April	+17	+13	+11	+8	-1	-6	-15	-19	-25	-17	-9	-8	-8	-10	-12	-14	-10	-5	+5	+14	+24	+26	+25	+22
May	+22	+15	+9	+2	-8	-14	-21	-23	-28	-17	-15	-14	-11	-8	-8	-8	-6	+2	+8	+14	+22	+30	+33	+28
June	+21	+17	+7	-3	-8	-8	-10	-11	-20	-18	-18	-13	-11	-9	-9	-9	-8	-5	+2	+10	+18	+26	+27	+24
July	+30	+17	+6	-10	-26	-25	-32	-25	-35	-35	-17	-2	-12	-11	-7	-2	+5	+19	-8	+23	+26	+40	+34	+35
August	+14	+10	+8	-5	-19	-25	-30	-37	-21	-13	-7	-8	-8	-7	-6	-5	-2	+7	+13	+22	+29	+32	+30	+24
September	+29	+18	+7	0	-21	-35	-35	-36	-32	-30	-21	-15	-11	-8	-6	-3	+4	+12	+20	+27	+33	+34	+37	+36
October	+18	+14	+11	+2	-15	-11	-12	-18	-21	-23	-21	-15	-10	-5	-3	-3	-1	+3	+10	+14	+18	+23	+20	+19
November	+15	+18	+16	+8	-7	-13	-21	-19	-23	-20	-24	-15	-11	-7	-2	0	+4	+7	+14	+17	+20	+19	+16	+17
December	+16	+14	+9	+4	-1	-10	-11	-14	-19	-21	-21	-17	-12	-8	-8	-5	+4	+10	+17	+17	+17	+16	+16	+16
Year	+19.7	+15.7	+9.8	+0.6	-9.9	-14.2	-18.8	-21.2	-22.3	-20.6	-17.4	-12.8	-10.8	-8.2	-7.6	-6.3	-1.5	+5.4	+9.4	+17.0	+21.8	+25.5	+24.7	+22.3
Winter	+16.8	+16.2	+10.8	+3.8	-3.8	-8.8	-12.2	-15.8	-17.5	-19.5	-21.5	-15.2	-11.5	-8.0	-7.0	-6.0	0.0	+6.8	+13.0	+15.2	+17.0	+16.8	+16.5	+17.0
Equinox	+20.5	+16.0	+11.2	+2.0	-10.8	-15.8	-20.8	-24.0	-23.5	-21.5	-16.5	-13.8	-10.2	-8.0	-8.2	-7.0	-1.8	+3.8	+11.5	+18.5	+24.8	+27.8	+26.5	+22.2
Summer	+21.8	+14.8	+7.5	-4.0	-15.2	-18.0	-23.2	-24.0	-26.0	-20.8	-14.2	-9.2	-10.5	-8.8	-7.5	-6.0	-2.8	+5.8	+3.8	+17.2	+23.8	+32.0	+31.0	+27.8

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

HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 52 Agincourt 1959

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	+8	+6	+8	+7	+7	+9	+10	+12	+12	+12	+12	+11	+11	+2	-13	-34	-45	-42	-28	-14	+3	+13	+17	+17
February	+7	+9	+10	+9	+8	+9	+8	+8	+8	+10	+10	+11	+7	-1	-15	-27	-33	-35	-23	-10	-1	+4	+11	+14
March	+10	+11	+11	+12	+9	+10	+11	+11	+11	+11	+12	+9	+2	-9	-27	-39	-40	-35	-22	-6	+6	+13	+15	+14
April	+8	+4	+5	+7	+7	+8	+7	+8	+10	+12	+9	+5	-4	-16	-27	-33	-30	-18	-10	+2	+8	+14	+12	+11
May	0	-2	-2	-2	-3	-2	-3	-4	-4	-3	-5	-7	-14	-23	-21	-13	0	+10	+21	+24	+20	+19	+12	+2
June	+3	0	0	+1	-2	-5	-6	-5	-5	-5	-3	-5	-10	-16	-23	-28	-23	-7	+14	+28	+36	+33	+21	+10
July	+8	+10	+8	+6	0	-2	+4	+2	-2	-3	-3	-8	-14	-23	-33	-39	-27	-13	+4	+16	+27	+31	+30	+21
August	+4	+11	+11	+11	+6	+6	+5	+5	+6	+4	+3	-4	-13	-30	-44	-47	-34	-12	+10	+21	+25	+21	+19	+19
September	+9	+7	+8	+7	+5	+6	+6	+7	+9	+5	+6	+2	-9	-23	-32	-39	-34	-20	-4	-9	+17	+23	+21	+13
October	+5	+6	+6	+6	+5	+4	+6	+5	+7	+9	+10	+9	+1	-10	-21	-30	-29	-22	-6	+3	+6	+8	+10	+12
November	+6	+2	-3	+3	+1	+4	+5	+6	+6	+7	+9	+11	+8	-3	-12	-19	-22	-20	-13	-6	+1	+8	+11	+11
December	+6	+4	+3	+5	+2	+2	+3	+3	+5	+7	+8	+9	+8	+1	-11	-24	-27	-24	-14	-4	+7	+10	+11	+11
Year	+6.2	+5.7	+5.4	+6.0	+3.8	+4.1	+4.7	+4.8	+5.2	+5.5	+5.7	+3.6	-2.2	-12.6	-23.2	-31.0	-28.7	-19.8	-5.9	+3.8	+12.9	+16.4	+15.8	+12.8
Winter	+6.8	+5.2	+4.5	+6.0	+4.5	+6.0	+6.5	+7.2	+7.8	+9.0	+9.8	+10.5	+8.5	-0.2	-12.8	-26.0	-31.8	-30.2	-19.5	-8.5	+2.5	+8.8	+12.5	+13.2
Equinox	+8.2	+7.0	+7.5	+8.0	+6.5	+7.0	+7.5	+7.8	+9.2	+9.2	+9.2	+6.2	-2.5	-14.5	-26.8	-35.2	-33.2	-23.8	-10.5	-2.5	+9.2	+14.5	+14.5	+12.2
Summer	+3.8	+4.8	+4.4	+4.0	+0.2	-0.8	0.0	-0.5	-1.2	-1.8	-2.0	-6.0	-12.8	-23.0	-30.2	-31.8	-21.0	-5.5	+12.2	+22.2	+27.0	+26.0	+20.5	+13.0

DECLINATION (minutes) (Quiet Days)

Table 53 Agincourt 1959

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	-0.5	+0.2	+0.4	+0.6	+0.4	+0.2	0.0	-0.2	+0.8	+1.4	+1.4	+2.0	+3.2	+5.7	+6.5	+4.0	-0.1	-3.4	-5.8	-6.3	-5.5	-3.0	-1.2	-0.9
February	-1.4	-0.4	0.0	+0.2	0.0	-0.2	-0.2	-0.2	-0.1	+1.3	+1.8	+2.3	+3.2	+4.4	+5.7	+4.4	+1.1	-1.8	-3.7	-4.8	-4.2	-3.4	-2.4	-1.5
March	-1.3	-1.4	-0.5	-0.2	-0.3	+0.5	+0.9	+1.2	+1.3	+1.7	+2.6	+4.2	+6.5	+8.2	+7.9	+3.9	-0.9	-4.7	-6.8	-7.5	-6.5	-4.3	-2.6	-2.0
April	-0.8	-0.2	+0.4	+0.1	+0.5	+1.0	+1.5	+1.8	+2.0	+2.3	+3.4	+5.8	+7.9	+7.5	+5.7	+1.2	-3.7	-6.8	-8.2	-7.6	-6.0	-4.0	-2.2	-1.4
May	-1.1	-1.1	-1.2	-0.3	+0.4	+0.6	+1.2	+1.6	+2.2	+3.6	+5.2	+6.4	+6.1	+4.7	+2.1	-1.6	-4.5	-6.0	-6.3	-5.3	-3.4	-1.9	-0.7	-0.7
June	+0.1	-0.3	-0.6	-0.2	-0.5	+0.5	+0.1	+0.6	+1.2	+2.8	+5.2	+7.3	+8.2	+7.9	+6.0	+1.4	-3.4	-5.8	-7.9	-8.1	-6.0	-4.5	-2.6	-1.5
July	-0.4	+0.3	+0.3	+1.4	-0.2	-0.9	-0.6	-0.7	-1.5	+1.9	+4.8	+7.3	+8.2	+8.6	+6.7	+1.9	-2.6	-5.9	-7.2	-7.4	-7.0	-4.9	-1.9	+0.1
August	-0.8	+0.3	-0.5	-0.3	+0.3	+1.2	+0.7	+1.0	+1.2	+2.9	+5.4	+8.0	+10.1	+10.0	+6.6	-1.0	-6.6	-9.1	-9.8	-8.6	-5.8	-3.2	-1.4	-0.7
September	-1.4	-0.8	-0.6	-0.2	+0.6	+1.2	+0.9	+1.7	+3.1	+2.6	+3.4	+6.3	+7.3	+7.3	+4.4	-0.5	-4.2	-6.6	-7.4	-6.5	-4.2	-2.7	-2.1	-1.6
October	-1.5	-0.8	-0.4	-0.1	+0.2	+0.7	+1.8	+1.6	+1.4	+2.5	+2.9	+3.3	+4.4	+5.3	+4.6	+1.9	-1.7	-4.3	-5.5	-4.9	-3.8	-2.8	-2.6	-2.0
November	-0.3	+1.2	+1.3	+1.3	+0.9	+0.7	0.0	+0.2	+0.5	+1.2	+1.5	+1.9	+3.3	+3.9	+3.6	+1.6	-0.6	-3.2	-4.5	-4.4	-3.5	-3.0	-2.0	-1.5
December	-0.5	+0.9	+1.6	+1.5	+0.8	-0.1	+0.1	+0.1	+0.6	+1.2	+1.4	+1.8	+2.2	+3.6	+4.1	+2.0	-0.9	-3.0	-4.6	-4.0	-3.2	-2.6	-2.0	-0.9
Year	-0.82	-0.18	+0.02	+0.32	+0.26	+0.45	+0.53	+0.72	+1.06	+2.12	+3.25	+4.72	+5.88	+6.42	+5.32	+1.60	-2.34	-5.05	-6.48	-6.28	-4.92	-3.36	-1.98	-1.22
Winter	-0.07	+0.48	+0.82	+0.90	+0.52	+0.15	-0.02	-0.25	+0.45	+1.28	+1.52	+2.00	+2.98	+4.40	+4.98	+3.00	-0.12	-2.85	-4.65	-4.86	-4.10	-3.00	-1.90	-1.20
Equinox	-0.12	-0.80	-0.22	-0.10	+0.25	+0.85	+1.28	+2.10	+1.95	+2.28	+3.08	+4.90	+6.52	+7.08	+5.65	+1.62	-2.62	-5.60	-6.98	-6.62	-5.12	-3.45	-2.38	-1.75
Summer	-0.06	-0.20	-0.50	+0.15	0.00	+0.35	+0.35	+0.01	+0.78	+2.80	+5.15	+7.25	+8.15	+7.80	+5.35	+0.18	-4.28	-6.70	-7.80	-7.35	-5.55	-3.62	-1.65	-0.70

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Agincourt 1959

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	0	+1	-1	-1	-1	-1	-2	-1	-1	-1	+1	+2	-2	-6	-3	-1	0	+2	+5	+5	+2	+1
February	+4	+2	+2	+1	0	0	-1	-3	-4	-3	-1	-1	0	+1	-2	-6	-4	0	+4	+5	+4	+2	+1	-1
March	+4	+5	+4	+3	+2	+1	+1	0	0	0	0	+1	+2	0	-5	-9	-8	-5	-3	-1	+3	+3	+3	+1
April	+7	+6	+4	+2	+2	+1	0	+1	0	0	+1	+2	0	-3	-7	-11	-11	-10	-4	+1	+3	+5	+5	+4
May	+8	+7	+1	-1	+1	+2	+1	+1	+2	+2	+3	0	-2	-5	-7	-8	-5	-3	-1	+2	+2	+2	0	-1
June	+7	+4	+1	-2	-6	-3	-1	0	0	+2	+2	+2	+1	0	0	-3	-8	-11	-9	-5	+1	+9	+10	+10
July	+12	+8	+6	-6	-10	-10	-10	-8	-9	-1	+2	+2	+1	-2	-3	-7	-5	-1	+3	+5	+8	+6	+10	+11
August	+3	+2	+2	+1	0	0	-2	-2	-1	-1	+1	0	-1	-3	-4	-5	-6	-5	+1	+4	+6	+4	+2	+4
September	+5	+4	0	-1	0	0	-1	-2	-4	-8	-6	-4	-5	-7	-6	-5	-3	+2	+6	+8	+8	+8	+7	+4
October	+4	+4	+4	+3	+2	+3	0	+1	0	-1	-1	0	0	-1	-4	-8	-8	-5	-1	+1	+1	+1	+1	+2
November	+4	+6	+6	+3	+1	0	-2	-1	-1	-2	-3	-2	-2	-1	-1	-3	-5	-4	0	+2	+2	+1	+1	+1
December	+3	+5	+5	+3	+1	+1	+1	+2	0	0	-1	-1	-2	-2	-5	-9	-6	-4	-1	+2	+3	+2	+2	+1
Year	+5.2	+4.6	+2.9	+0.6	-0.7	-0.5	-1.2	-1.0	-1.6	-1.0	-0.3	-0.2	-0.6	-1.8	-3.8	-6.7	-6.0	-3.9	-0.4	+2.2	+3.8	+4.0	+3.7	+3.1
Winter	+3.2	+3.8	+3.2	+2.0	+0.2	0.0	-0.8	-0.8	-1.8	-1.5	-1.5	-1.2	-0.8	0.0	-2.5	-6.0	-4.5	-2.2	+0.8	+2.8	+3.5	+2.5	+1.5	+0.5
Equinox	+5.0	+4.8	+3.0	+1.8	+1.5	+1.2	0.0	-1.0	-1.0	-2.2	-1.5	-0.2	-0.8	-2.8	-5.5	-8.2	-7.5	-4.5	-0.5	+2.2	+3.8	+4.2	+4.0	+2.8
Summer	+7.5	+5.5	+2.5	-2.0	-3.8	-2.8	-3.0	-2.2	-2.0	+0.5	+2.0	+1.0	-0.2	-2.5	-3.5	-5.8	-6.0	-5.0	-1.5	+1.5	+4.2	+5.2	+5.5	+6.0

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

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Agincourt 1959

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+20	+7	+11	+12	+6	+2	0	+4	+7	+10	+13	+7	+3	+2	-14	-30	-45	-48	-28	-7	+4	+8	+25	+31
February	+24	+16	+28	+17	+9	+5	-20	-46	-12	+6	0	+19	+7	-9	-32	-35	-38	-26	-5	+1	+12	+21	+35	+22
March	+74	+69	+8	-31	-32	-77	-103	-126	-45	-13	-6	-36	-34	-60	-92	-95	-28	0	+32	+74	+103	+164	+173	+81
April	+41	+12	+14	+11	+2	-13	-14	-17	-26	+3	+12	+4	-16	-27	-29	-44	-47	-24	-18	+13	+76	+64	+11	+9
May	+58	+38	+27	+29	+25	-1	-45	-40	-64	-33	-33	-33	-33	-40	-30	-26	-56	-12	+12	+27	+41	+52	+86	+49
June	+38	+19	+13	+8	+7	+10	+1	-17	-57	-68	-62	-44	-24	-34	-44	-39	-33	-14	+20	+48	+75	+75	+76	+47
July	+56	+31	+6	-27	-100	-69	-41	-81	-89	-201	-172	-115	-147	-133	-111	-109	-107	-10	+245	+279	+274	+274	+210	+135
August	+16	+14	-4	-73	-27	-25	-27	-32	-46	-58	-56	-55	-67	-71	-54	-43	-43	+4	+51	+98	+116	+146	+120	+116
September	+63	+60	+52	-4	-24	-72	-97	-138	-121	-38	+15	+16	+14	-8	-30	-37	-16	+13	+39	+60	+59	+66	+77	+52
October	+20	+19	+15	+2	-24	-17	-20	-66	-38	-6	+6	0	-9	-11	-26	-29	-19	+2	+15	+38	+49	+41	+39	+18
November	+36	+28	+25	+37	-18	-70	-41	-32	-26	-16	-9	+34	+11	+1	-10	-22	-20	-14	+4	+13	+22	+25	+23	+20
December	+16	+9	+5	+7	+3	+2	-7	-11	-6	-16	+18	+26	+24	+8	-11	-41	-39	-23	-18	+3	+22	+14	+7	+8
Year	+28.5	+26.8	+16.7	-1.0	-14.4	-27.1	-34.5	-50.2	-43.6	-35.8	-22.8	-14.8	-22.6	-31.8	-40.2	-45.8	-40.9	-12.7	+29.1	+53.9	+71.1	+79.2	+73.5	+49.0
Winter	+24.0	+15.0	+17.2	+18.2	0.0	-15.2	-17.0	-21.2	-9.2	-4.0	+5.5	+21.5	+11.2	+0.5	-16.8	-32.0	-35.5	-27.8	-11.8	+2.5	+15.0	+17.0	+22.5	+20.2
Equinox	+49.5	+40.0	+22.2	-5.5	-19.5	-44.8	-58.5	-86.8	-57.5	-13.5	+6.8	-4.0	-11.2	-26.5	-44.2	-51.2	-27.5	-2.2	+17.0	+46.2	+71.8	+83.8	+75.0	+40.0
Summer	+42.0	+25.5	+10.5	-15.8	-23.8	-21.2	-28.0	-42.5	-64.0	-90.0	-80.8	-61.8	-67.8	-69.5	-59.8	-54.2	-59.8	-8.0	+82.0	+13.0	+126.5	+136.8	+123.0	+86.7

DECLINATION (minutes) (Disturbed Days)

Table 56 Agincourt 1959

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	-3.9	+2.0	+4.0	+4.4	+4.4	+4.1	+3.1	+4.1	+3.2	+3.6	+0.5	-0.9	-1.5	+2.4	+3.9	+0.5	-0.8	-4.9	-6.3	-6.4	-5.5	-4.0	-3.6	-2.3
February	-2.0	+1.1	+4.3	+4.0	+7.3	+5.0	+5.4	+2.9	+7.1	+4.3	+1.4	+3.8	+0.6	-1.2	-0.1	-4.1	-2.7	-4.6	-6.6	-6.4	-6.0	-5.0	-4.1	-4.6
March	-0.2	+0.5	+1.4	+5.2	+1.6	+1.7	-0.9	+3.9	+6.2	+0.6	+1.3	+0.0	+1.6	+5.6	-10.9	-6.4	-4.2	-4.8	-5.4	-1.2	-0.8	+3.0	+3.4	-1.1
April	-0.4	+0.2	+1.8	+3.8	+1.2	+1.6	+1.2	+0.6	+7.3	+5.3	+6.1	+8.4	+8.2	+4.8	-0.6	-0.6	-4.7	-9.1	-10.7	-11.3	-4.9	-1.8	-3.8	-2.6
May	+1.4	+2.7	+1.2	+1.8	+1.6	+4.5	-6.2	-5.3	+0.1	+2.3	+3.2	+5.5	+8.7	+7.5	+3.3	+0.3	-0.9	-10.3	-9.2	-7.1	-4.9	-2.3	+0.9	+1.0
June	-0.6	+0.7	-1.1	-1.6	-0.2	-0.1	+0.8	+2.3	-4.1	-2.5	+6.9	+8.1	+9.1	+7.5	+4.5	-3.5	-3.9	-7.1	-8.4	-5.0	-2.8	-0.2	+1.3	-0.3
July	-2.1	-4.6	-3.1	-6.4	-7.3	-8.1	-10.6	-10.8	-15.2	-31.2	-14.9	+7.2	+8.4	+12.0	+8.9	+3.4	+6.9	+20.7	+24.8	+7.3	+8.3	+7.0	+2.4	-2.8
August	-2.6	+2.2	+0.2	+0.5	+5.1	+2.9	-4.1	+0.6	+5.0	+3.6	+2.4	+2.8	+9.0	+2.6	+1.3	-2.5	-5.1	-9.4	-6.5	-6.0	-1.7	+0.4	-2.2	+1.6
September	+5.3	+5.6	+16.1	+10.6	+0.7	-0.2	+2.2	-1.2	-5.6	-1.8	-0.1	+1.5	+3.6	+3.7	-1.9	-9.1	-12.2	-10.6	-7.5	-5.5	-1.7	+0.8	+3.4	+3.9
October	+1.6	+3.5	+4.3	+2.6	-3.1	+6.8	+6.0	+3.0	+2.4	+6.2	+6.1	+0.8	-1.6	-2.0	-3.1	-6.9	-7.8	-7.9	-7.1	-4.0	-0.7	-0.8	-0.2	+2.1
November	+4.0	+4.6	+10.5	+7.3	+3.4	+3.3	+2.1	-6.3	-1.5	-2.2	+3.7	-1.8	-1.2	-3.7	-2.1	-3.1	-5.8	-5.4	-4.0	-1.8	-1.2	+0.2	-1.2	+2.2
December	+7.5	+5.6	+5.7	+5.7	+6.5	+4.0	+4.2	-0.3	+0.1	-1.9	+0.2	-3.3	-1.4	-3.4	-5.7	-4.5	-5.6	-2.4	-3.3	-4.7	-3.4	-3.1	-0.5	+4.1
Year	+0.67	+2.01	+3.78	+3.16	+1.77	+2.12	+0.27	-0.54	+0.42	-1.14	+1.40	+2.68	+3.62	+2.98	-0.21	-3.04	-3.90	-4.65	-4.18	-4.34	-2.11	-0.48	-0.4	+0.10
Winter	+1.40	+3.32	+6.12	+5.35	+5.40	+4.10	+3.70	+0.10	+2.22	+0.95	+1.45	-0.55	-0.88	-1.48	-1.00	-2.80	-3.72	-4.32	-5.05	-4.82	-4.02	-2.98	-2.35	-0.15
Equinox	+1.58	+2.45	+5.90	+5.55	+0.10	+2.48	+2.12	+1.58	+2.58	+2.58	+3.35	+2.68	+2.95	+3.02	-4.12	-5.75	-7.22	-8.10	-7.68	-5.50	-2.02	+0.30	+0.70	+0.58
Summer	-0.98	+0.25	-0.70	-1.42	-0.20	-0.20	-5.02	-3.30	-3.55	-6.95	-0.60	+5.90	+8.80	+7.40	+4.50	-0.58	-0.75	-1.52	+0.18	-2.70	-0.28	+1.22	+0.60	-0.12

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Agincourt 1959

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	+49	+36	+14	+1	-6	-12	-20	-23	-26	-29	-27	-32	-30	-24	-21	-17	-8	+4	+15	+22	+23	+23	+42	+46
February	+37	+40	+23	-14	-9	-15	-33	-86	-27	-13	-39	-31	-38	-36	-28	-22	-12	+21	+27	+36	+45	+54	+61	+60
March	+70	+77	+3	-31	-37	-41	-87	-98	-57	-46	-56	-79	-62	-43	-48	-9	+37	+47	+64	+85	+86	+106	+85	+34
April	+44	+24	+28	+24	-7	-18	-28	-44	-76	-47	-13	-16	-22	-27	-31	-31	-14	-1	+16	+39	+76	+66	+37	+21
May	+37	+41	+21	+7	-25	-49	-82	-76	-112	-47	-47	-36	-14	-2	+1	+4	+2	+31	+29	+32	+45	+68	+93	+80
June	+42	+42	+21	+1	-2	-10	-29	-32	-70	-68	-81	-60	-37	-29	-27	-20	-11	+14	+35	+52	+68	+82	+66	+54
July	+50	+14	+6	-42	-68	-56	-69	-25	-121	-137	-64	+7	-50	-32	-23	+17	+56	+122	-71	+88	+76	+139	+95	+88
August	+18	+9	+18	-18	-61	-64	-67	-75	-63	-48	-35	-45	-33	-11	-6	+7	+18	+48	+49	+70	+75	+85	+70	+59
September	+69	+35	+22	-7	-60	-144	-126	-121	-85	-75	+44	-31	-9	+3	+4	+16	+31	+49	+65	+70	+84	+88	+91	+81
October	+55	+37	+24	-7	-70	-33	-42	-60	-68	-65	-65	-54	-33	-10	-3	0	+8	+22	+36	+51	+69	+84	+65	+58
November	+37	+46	+39	+12	-31	-60	-85	-65	-84	-76	-64	-23	-15	-8	+10	+17	+25	+34	+49	+48	+50	+52	+46	+48
December	+28	+26	+17	0	-11	-24	-34	-43	-59	-66	-62	-48	-29	-22	-20	-3	+28	+42	+61	+52	+51	+50	+34	+31
Year	+44.7	+35.6	+19.7	-6.2	-32.2	-43.8	-58.5	-62.3	-70.7	-59.8	-42.4	-37.3	-31.0	-20.1	-16.0	-3.4	+13.3	+36.1	+31.2	+53.8	+62.3	+74.8	+65.4	+55.0
Winter	+37.8	+37.0	+23.2	0.0	-14.2	-27.8	-43.0	-54.2	-49.0	-46.0	-48.0	-33.5	-28.0	-22.5	-14.8	-6.2	+8.2	+25.2	+38.0	+39.5	+42.2	+44.7	+45.7	+46.2
Equinox	+59.5	+43.2	+19.2	-5.2	-43.5	-59.0	-70.8	-80.8	-71.5	-58.2	-22.5	-45.0	-31.5	-19.2	-20.0	-6.0	+15.5	+29.2	+45.2	+61.2	+78.8	+86.0	+69.5	+48.5
Summer	+36.8	+26.5	+16.5	-13.0	-39.0	-44.8	-61.8	-52.0	-91.5	-75.0	-56.8	-33.5	-33.5	-18.5	-13.8	+2.0	+16.2	+53.8	+10.5	+60.5	+66.0	+93.5	+81.0	+70.2

THREE-HOUR RANGE INDICES, AGINCOURT, 1959

Table 58

January	D	H	Z	K	February D	H	Z	K
1	0000 0000	0000 0000	0000 0000	0000 0000	1013 2100	1201 1100	0111 0100	1213 2100
2	0000 1100	0000 0011	0000 0000	0000 1111	0634 4232	1432 2133	0343 2111	1644 4233
3	1110 1000	0000 0110	0100 0000	1110 1110	3013 4322	3112 2234	3113 2114	3113 4334
4	1001 2000	0010 1110	0000 0000	1011 2110	4424 4323	3322 3334	5421 2225	5424 4335
5	1003 3234	1002 3354	0002 1145	1003 3355	2533 3321	2534 4323	1431 2221	2534 4323
6	5334 3122	3232 3132	4122 2121	5334 3132	3113 3222	2012 1231	1112 1121	3113 3232
7	4322 1112	3311 0122	3212 0022	4322 1122	2202 1110	2100 2110	0000 1000	2202 2110
8	3103 2213	2112 1122	2002 0001	3113 2223	0112 3212	0011 2213	0010 1102	0112 3213
9	4211 2436	3111 2447	2000 1436	4211 2447	4563 2100	2342 1201	5443 1100	5563 2201
10	4345 4333	4333 3243	6433 4243	6445 4343	1000 0101	1000 0012	1000 0001	1000 0112
11	3120 2033	3010 1033	3020 0022	3120 2033	0235 5432	0345 5443	0107 3333	0347 5443
12	3200 2311	2100 2123	3000 1111	3200 2323	2722 3111	2413 2222	1514 1111	2724 3222
13	0133 2110	1011 0020	0012 0110	1133 2120	2102 4222	1001 3333	0001 1222	2102 4333
14	0001 3001	0021 0012	0011 0001	0021 3012	2432 5410	1332 5420	1331 3310	2432 5420
15	1223 1000	0010 0000	0010 0000	1223 1000	2456 5320	2456 3311	0456 3300	2456 5321
16	0024 3211	0013 2233	0013 1112	0024 3233	4531 5445	4431 4346	3541 2455	4541 5446
17	1443 4210	1321 2211	0322 1101	1443 4211	5543 1200	4433 0010	6453 0010	6553 1210
18	3322 3212	1211 3321	1311 1211	3322 3322	0001 1101	0000 1101	0000 0000	0001 1101
19	1212 2110	0101 1011	0111 0000	1212 2111	1332 3001	1221 2001	0031 1000	1332 3001
20	0010 2100	0000 1001	0000 0000	0010 2101	0011 1100	0101 0001	0000 0000	0111 1101
21	0010 2100	0000 0100	0000 0000	0010 2100	0032 3100	0020 1020	0021 0000	0032 3120
22	0221 2100	0110 1110	0010 0000	0221 2110	1514 2110	2213 2223	1423 1111	2524 2223
23	1001 3001	1001 1001	0000 1000	1001 3001	2343 3000	2343 2010	1242 3000	2343 3010
24	1010 0000	1000 0000	0000 0100	1010 0100	0000 2000	0000 0011	0000 0000	0000 2011
25	0002 4320	0002 2322	0000 2221	0002 4322	2355 5542	3465 6643	1376 4643	3476 6643
26	0102 5300	0203 5300	0103 4200	0203 5300	5664 4222	4474 4334	5574 3233	5674 4334
27	0032 3210	0113 1211	0011 1100	0133 3211	3522 4432	3423 3333	2422 2342	3523 4443
28	2100 1111	2100 0122	1000 0001	2100 1122	4523 5324	3413 4334	5623 4225	5623 5335
29	0023 2211	0011 0233	0011 0011	0023 2233				
30	2213 2100	1112 1010	0001 0000	2213 2110				
31	1432 2000	1331 0110	0431 0000	1432 2110				

march	D	H	Z	K	April D	H	Z	K
1	4454 3333	3344 4332	4454 2321	4454 4333	4331 1000	2320 1010	2330 0000	4331 1010
2	4543 3233	4434 2242	4534 2132	4544 3243	0002 2202	0001 1133	0001 0011	0002 2233
3	5542 2212	3412 2223	3321 1212	5542 2223	2112 3101	2102 1103	1011 0101	2112 3103
4	2033 2220	1112 2130	1031 1020	2133 2230	3202 0101	2100 0111	1200 0000	3202 0111
5	3232 1101	2120 0132	0030 0011	3232 1132	2100 2100	2100 0221	1000 0000	2100 2221
6	1210 0000	1110 0---	0010 0---	1210 0000	2000 1111	2010 0122	0000 0110	2010 1122
7	0011 0002	---- -012	---- -000	0011 0012	0011 2111	1111 1122	0000 0100	1111 2122
8	5200 0200	2200 0100	4200 0100	5200 0200	3234 3123	2122 3134	2133 1125	3234 3135
9	1100 1000	0100 0100	0000 0000	1100 1100	5433 2132	7663 2245	7744 0123	7764 2245
10	0000 0000	0000 0000	0000 0000	0000 0000	4476 6541	3275 6554	4277 5543	4477 6554
11	0011 1010	0000 0022	0000 0000	0011 1022	4433 3112	2233 1134	2233 1024	4433 3134
12	1222 4210	2111 3321	1102 1200	2222 4321	1211 2101	3111 1113	1100 0001	3111 2113
13	0211 3201	1111 2122	0200 0010	1211 3222	2041 2101	1121 2221	0020 1010	2141 2221
14	0031 2100	0121 1111	0030 0000	0131 2111	4321 2011	3210 2123	1120 0022	4321 2123
15	3202 2100	1100 0001	0100 0000	3202 2101	4020 2110	3010 1232	3010 0111	4020 2232
16	2100 0000	1000 0011	0000 0000	2100 0011	2122 1000	1110 0111	0001 0000	2122 1111
17	0220 1101	0100 0111	0110 0001	0220 1111	0022 3111	0010 2122	0011 1011	0022 3122
18	0010 2102	0100 1114	0000 0003	0110 2114	1001 1000	1001 1120	1000 0000	1001 1120
19	0001 2110	0010 1121	0000 0010	0011 2121	0001 0100	0011 1212	0000 0001	0011 1212
20	0011 2000	0000 1111	0000 0010	0011 2111	0011 2000	0001 1110	0000 0000	0011 2110
21	0001 2200	0011 1112	0001 0001	0011 2212	2223 2200	1112 2201	1113 1100	2223 2201
22	0001 2100	0000 1113	0000 0001	0001 2113	0000 1000	0000 0100	0000 0000	0000 1100
23	1331 1310	2111 0221	0221 0101	2331 1321	0003 4565	0003 4374	0002 2275	0003 4575
24	1111 2100	1100 0012	0000 0100	1111 2112	2533 4302	3433 4333	2522 2132	3533 4333
25	1431 3522	1330 3353	0320 2142	1431 3553	4422 3322	3232 3254	3332 2133	4432 3354
26	0025 6335	2036 7367	0026 5447	2036 7467	2412 2213	3322 1233	1422 0113	3422 2233
27	7796 7645	9776 7766	9885 5745	9896 7766	3342 2212	3321 3213	1251 1103	3352 3213
28	1635 6437	3645 5678	1754 4358	3755 6678	1143 2013	1033 2014	1042 0014	1143 2014
29	7655 4411	9755 4442	6664 4431	9765 4442	5434 4312	3222 4323	5432 2132	5434 4333
30	4345 3112	2245 3112	1145 1111	4345 3112	1130 3233	2131 4342	0130 2242	2131 4343
31	2223 2224	1222 2134	0233 1124	2233 2234				

THREE-HOUR RANGE INDICES, AGINCOURT, 1959

May	D	H	Z	K	June D	H	Z	K
1	0412 2110	0210 1022	0421 0002	0422 2122	3211 1111	3110 1231	1110 0111	3211 1231
2	0330 1100	1120 1033	0100 0011	1330 1133	1333 3233	2232 3344	0131 1133	2333 3344
3	0111 1110	0010 1223	0010 0001	0111 1223	2532 2211	3421 1333	2511 1111	3532 2333
4	1114 3313	2222 2235	0003 0113	2224 3335	3333 2223	3333 1244	3442 1134	3443 2244
5	5522 4110	5523 4100	6512 2000	6523 4110	4312 2312	3312 3323	4300 1111	4312 3323
6	0000 1000	1000 2001	0000 0100	1000 2001	0123 2212	1112 2333	0121 1111	1123 2333
7	1000 1001	1011 1113	0000 0001	1011 1113	1301 1121	1211 2311	0300 0110	1311 2321
8	2455 3322	3455 3224	1565 1213	3565 3324	1032 2322	1021 2342	0032 1111	1032 2342
9	3222 3222	2122 4233	1111 2111	3222 4233	2444 4222	3233 4223	2343 2102	3444 4223
10	2134 2212	2223 1224	0133 1112	2234 2224	2613 1101	3511 1222	2510 1111	3613 1222
11	3143 3223	2233 3346	0042 2233	3243 3346	1004 4311	1014 4421	0003 2110	1014 4421
12	5674 4744	6595 6744	5685 4633	6695 6744	0000 0220	0000 0231	0000 0110	0000 0231
13	1343 2112	1223 2422	0142 1213	1343 2423	1000 2000	1000 0122	0000 0011	1000 2122
14	1001 1100	1101 2211	0000 1100	1101 2211	0002 2101	0101 3213	0000 1001	0102 3213
15	2213 4222	2123 4225	1013 3324	2223 4325	0132 1011	0131 1222	0133 0110	0133 1222
16	5574 1103	5583 2224	6573 1113	6584 2224	1211 0011	2210 1133	1200 0011	2211 1133
17	0042 3211	1011 2312	0022 1101	1042 3312	0000 0112	0000 0134	0000 0112	0000 0134
18	3543 2213	3432 2235	3643 1124	3643 2235	0121 3210	1221 3222	0011 1010	1221 3222
19	3313 3322	2311 3233	1204 2123	3314 3333	1411 1110	1211 2121	1310 1010	1411 2121
20	1223 2111	2111 1232	0101 1131	2223 2232	2101 2121	2111 2232	0000 1011	2111 2232
21	4323 1121	2211 2243	3212 0022	4323 2243	2021 2221	1110 2233	0010 0121	2121 2233
22	3222 1112	3121 1333	2022 0112	3222 1333	2123 2211	1213 2334	0022 2022	2223 2334
23	4312 1120	3111 1333	4111 1111	4312 1333	2220 2234	2221 2335	0200 1134	2221 2335
24	3354 4424	3364 4357	2465 3146	3465 4457	4830 0021	5620 0044	6730 1031	6830 1044
25	5232 1211	6343 1232	6334 0121	6344 1232	1101 1001	2101 1233	0200 0011	2201 1233
26	4001 1010	3001 1122	2000 1011	4001 1122	1453 2110	2343 3110	1443 2110	2453 3110
27	3101 2000	1110 1012	3200 1000	3111 2012	0034 4423	0022 5445	0011 2323	0034 5445
28	0100 0000	0100 0011	0000 0000	0100 0011	4554 4221	4464 5343	6453 3132	6564 5343
29	0000 0001	0000 0012	0000 0001	0000 0012	2356 4334	1266 4456	1276 3336	2376 4456
30	0001 3100	1001 2220	0001 1000	1001 3220	4345 4313	4144 4343	4254 4233	4355 4343
31	1212 4231	2322 4443	0210 2132	2322 4443				

July	D	H	Z	K	August D	H	Z	K
1	2220 0002	1110 1012	0210 0012	2220 1012	2452 3311	2331 3333	1462 1111	2462 3333
2	2442 2200	3340 0101	3451 0000	3452 2201	2441 2230	3441 2232	1540 0111	3541 2232
3	1000 1000	1010 1121	0000 0000	1010 1121	3262 3210	1252 3341	2262 2120	3262 3341
4	0002 1322	0001 2444	0000 1122	0002 2444	0224 4223	0113 3233	0114 2123	0224 4233
5	1333 3121	2332 4223	1433 2111	2433 4223	1111 2321	1121 2332	0020 0111	1121 2332
6	1114 1121	1112 3233	0102 1112	1114 3233	0344 4234	1312 2254	1323 1222	1344 4254
7	2444 3310	2311 3311	1224 1111	2444 3311	4322 3221	4211 2333	2331 0122	4332 3333
8	1333 2231	0211 3232	0342 1111	1343 3232	2034 3301	2123 2323	1033 2101	2134 3323
9	2433 3321	0332 3333	0352 3111	2453 3333	4044 3331	3023 2342	1034 2143	4044 3343
10	3422 1001	4231 0122	2431 0211	4432 1222	2501 2220	3311 3232	1301 1121	3511 3232
11	4422 2534	3231 2656	1331 1335	4432 2656	2321 2200	1111 1402	1310 1100	2321 2402
12	5113 3201	7212 3323	6312 3211	7313 3323	1211 1100	1110 1112	0101 0001	1211 1112
13	1332 2202	2211 3214	0220 1102	2332 3214	1201 1101	1112 2232	0101 0011	1212 2232
14	1423 3211	3233 3213	0443 1101	3443 3213	0112 3110	1210 2222	0101 0011	1212 3222
15	3489 8997	4387 8999	2499 8998	4499 8999	3103 3523	2112 4556	2002 2234	3113 4556
16	8542 2334	8532 3245	8731 1233	8742 3345	2367 7557	4477 7779	4167 6667	4477 7779
17	2334 3979	3333 3999	1433 2688	3434 3999	8886 5544	6976 4645	7986 5454	8986 5655
18	7986 4534	8997 4656	6996 2434	8997 4656	4553 4323	3562 4342	4362 2123	4563 4342
19	6433 2222	6432 3444	6432 2223	6433 3444	3532 2221	3441 1234	1532 0122	3542 2234
20	3332 2313	2222 2333	2232 1123	3332 2333	2543 4132	2454 2254	1552 1133	2554 4254
21	2332 3212	2211 2133	2431 1112	2432 3233	3435 3235	3333 3355	3443 2134	3435 3355
22	4241 2102	2221 2224	1220 1112	4241 2224	4342 2332	3242 3354	3561 1123	4562 3354
23	5421 1101	4221 2123	4430 1111	5431 2123	4343 4435	3432 4444	2432 2223	4443 4445
24	3034 3343	2224 3355	1013 1132	3234 3355	3453 2311	4342 1223	3453 0012	4453 2323
25	3345 4334	3434 4445	3545 2244	3545 4445	3433 2202	3312 2213	2411 1112	3433 2213
26	4443 3344	3433 4454	5543 2243	5543 4454	3131 1111	2121 1122	0121 0010	3131 1122
27	5353 3223	4243 3345	5343 2124	5353 3345	3020 1000	1010 0111	1010 0100	3020 1111
28	4122 3211	3112 3223	2031 1112	4122 3223	0021 1010	0110 1002	0000 0000	0121 1012
29	3522 2100	2322 1200	1330 0010	3532 2200	0121 3443	3101 2421	1000 1200	3121 3443
30	2001 0000	2000 1111	1000 0000	2001 1111	1112 2311	2112 3332	0101 1111	2112 3332
31	1334 3122	1312 2235	0423 1113	1434 3235	0123 4210	2111 3232	1123 1111	2123 4232

THREE-HOUR RANGE INDICES, AGINCOURT, 1959

September	D	H	Z	K	October D	H	Z	K
1	2253 2421	2132 2343	1233 1233	2253 2443	3676 3322	2585 4234	1566 4224	3685 4334
2	4554 3222	4555 2444	3656 2124	4656 3444	1553 2110	1543 1232	1551 0111	1553 2232
3	3334 1336	2123 2238	2144 0227	3344 2338	0343 2355	0252 3367	0343 2357	0353 3367
4	5765 5535	6987 5655	7776 4335	7987 5655	5865 3323	4765 5233	5765 3132	5865 5333
5	4244 3224	3434 3355	6333 2134	6444 3355	4323 3334	3322 2344	2321 1224	4323 3344
6	5432 2200	5222 2311	6432 1100	6432 2311	5655 3322	3766 4343	6656 3232	6766 4343
7	1102 2300	1001 1222	0000 0111	1102 2322	4433 2103	2312 1132	1331 1022	4433 2133
8	0233 2212	1112 2211	0011 1100	1233 2212	3213 1000	2112 1111	2210 0000	3213 1111
9	0001 1200	1101 1122	0000 0011	1101 1222	3121 1010	2110 0120	0020 0000	3121 1120
10	0100 2102	1101 2123	0000 0112	1101 2123	1111 1000	1000 0100	0000 0000	1111 1100
11	1422 3110	1223 3232	1212 2111	1423 3232	0010 0000	0010 0011	0000 0100	0010 0111
12	3322 2210	4212 2221	3101 0110	4322 2221	0000 1110	0000 1231	0000 0111	0000 1231
13	2011 1003	2011 1034	1000 0013	2011 1034	0001 1100	0011 1111	0000 0000	0011 1111
14	1141 3200	2232 3224	2241 1011	2242 3224	0222 4212	0112 3232	0011 1011	0222 4232
15	1032 4211	1122 3342	0030 1222	1132 4342	2312 3223	1211 2122	2211 1011	2312 3223
16	4521 2110	3311 1221	2310 0010	4521 2221	0100 0110	1000 0120	0000 0010	1100 0120
17	1232 3332	1112 3244	0101 1122	1232 3344	0113 3222	1112 3333	0002 1212	1113 3333
18	2024 4233	2113 3344	2113 1134	2124 4344	5345 4313	3245 3433	5255 2212	5355 4433
19	6623 3211	4614 3233	6722 2122	6724 3233	4523 1101	3312 1123	2411 0001	4523 1123
20	3465 5443	3444 5545	2444 4443	3465 5545	2031 2000	3130 0010	0031 0000	3131 2010
21	5664 5433	5765 4554	6765 3444	5765 5554	0100 1202	0110 0113	0000 0011	0110 1213
22	6785 4320	5886 5441	5876 3321	6886 5441	1244 2313	3231 1323	1141 1101	3244 2323
23	2443 2323	2332 2333	0332 1123	2443 2333	3224 2000	3222 0010	1123 0000	3224 2010
24	4432 4211	2332 4233	3532 1121	4532 4233	0111 2201	0101 2122	0000 1110	0111 2222
25	6444 4224	4343 3444	6433 2324	6444 4444	2434 3311	2333 2233	2442 1111	2434 3333
26	4333 3213	4333 4333	1132 2022	4333 4333	2354 4311	2343 4322	2354 1111	2354 4322
27	1344 2211	2243 4323	1143 1112	2344 4323	1433 1100	1332 1111	1432 1100	1431 1111
28	3343 3121	3232 2133	1122 1011	3443 3133	0032 1000	0020 1000	0020 0000	0032 1000
29	2103 2001	2012 1012	2102 1001	2113 2012	0201 1002	0100 0003	0100 0001	0201 1003
30	3013 2211	2012 3233	1002 0021	3013 3233	3411 3214	4321 3134	3310 2124	4421 3234
31					2345 4335	3124 4335	1133 3235	3345 4335

November	D	H	Z	K	December D	H	Z	K
1	4366 5222	3466 4323	3465 4221	4466 5323	4544 4211	3345 3221	3434 2120	4545 4221
2	5464 5334	2464 4344	4464 4334	5464 5344	2445 3322	2334 3343	1434 3322	2445 3343
3	5555 4333	4445 5444	4545 2233	5555 5444	5355 4423	4456 5434	4455 4323	5456 5434
4	0244 5444	1143 4433	0233 3243	1244 5444	2423 2110	2311 1111	1310 0000	2423 2111
5	5554 3211	4453 3211	3454 2110	5554 3211	0034 5554	0034 5474	0023 3565	0034 5575
6	4344 3113	2233 2124	1242 1112	4344 3124	2523 2111	2423 1122	1422 1111	2523 2122
7	0321 1121	0310 1222	0210 0020	0321 1222	3100 1100	2100 1110	2000 0000	3100 1110
8	0333 2100	1312 3120	0311 0110	1333 3120	1210 0111	1110 0221	0000 0011	1210 0221
9	0100 2111	0100 1132	0000 0011	0100 2132	0132 3101	0022 2101	0021 1001	0132 3101
10	1211 2211	1110 1123	0100 0011	1211 2223	0210 0010	0110 0120	0000 0010	0210 0120
11	1001 2001	2000 0111	1000 0100	2001 2111	0111 0211	0110 0111	0000 0100	0111 0211
12	1100 1101	0100 0211	0000 0000	1100 0121	1513 2113	1312 1222	0311 0013	1513 2223
13	1121 3212	0001 2223	0000 1111	1121 3223	4111 2224	2211 1233	4000 0125	4211 2235
14	3344 4221	3233 3231	4352 3210	4354 4231	2444 5321	3356 4442	3355 2431	3456 5442
15	1200 1000	1100 0001	0100 0000	1200 1001	4442 3123	2434 2233	1443 2111	4444 3233
16	0001 3212	0010 2211	0000 0111	0011 3212	3333 3212	1123 2222	1222 1201	3333 3222
17	1413 3000	1312 2000	0312 1000	1413 3000	2032 2010	1101 1111	0011 0000	2132 2111
18	1122 3130	0212 1231	0011 1020	1222 3231	1043 4001	1032 2121	0031 1010	1043 4121
19	0233 3000	1132 2211	0133 1000	1233 3211	1253 2200	1223 3121	0222 3100	1253 3221
20	3010 1000	2110 0010	1000 0000	3110 1010	2202 2100	1100 0111	1100 0100	2202 2111
21	0213 3222	0102 3222	0001 1212	0213 3222	1210 1000	0100 0010	0000 0000	1210 1010
22	3422 2211	3321 2132	3321 1010	3422 2232	0100 1101	0000 1112	0000 0000	0100 1112
23	4665 4220	3664 3330	4765 2120	4765 4330	1232 3534	2231 1443	0121 0323	2232 3544
24	2110 2011	2100 1110	0000 0000	2110 2111	4134 3111	2024 2012	3033 1001	4134 3112
25	1023 3101	1011 2111	0021 1101	1023 3111	0223 2110	1212 1120	0102 0000	1223 2120
26	1344 2102	1034 2113	0133 2002	1344 2113	1435 4222	2322 3232	0333 2123	2435 4232
27	3221 1114	3120 1124	2010 0112	3221 1124	4435 4325	3335 3423	2545 2323	4545 4425
28	5865 5223	5988 5331	6997 3321	6998 5331	5534 5431	3333 4442	2544 2331	5544 5442
29	2224 2211	1022 1220	2114 2111	2224 2221	5433 3112	3333 3211	3233 2100	5433 3213
30	2156 4324	1145 5423	0054 3313	2156 5424	0344 4110	0121 2121	0121 1110	0344 4121
31					0132 1010	0010 1110	0010 0010	0132 1110

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Agincourt H = 15,000 γ + January 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	782	785	785	785	781	794	785	782	782	784	785	789	781	768	752	739	735	746	761	774	782	785	786	785	776
2 Q	780	780	780	778	778	790	785	779	782	787	789	785	782	770	752	734	734	746	760	771	783	787	782	777	774
3	773	772	774	776	784	784	782	782	785	785	789	792	788	768	750	736	732	746	754	766	780	789	791	793	774
4	790	789	781	785	782	777	777	775	779	777	783	789	795	792	764	749	746	755	769	780	792	791	796	792	779
5	791	788	790	773	764	752	752	749	756	751	758	741	725	733	729	729	726	727	734	755	774	789	791	785	757
6	778	771	776	772	764	770	769	766	766	763	764	766	765	756	739	728	721	725	736	746	759	777	782	782	760
7	781	782	780	781	784	782	776	770	769	776	778	778	780	773	759	747	747	751	760	766	772	786	788	787	773
8	789	789	790	784	782	787	786	787	785	788	788	788	791	789	780	769	765	771	775	779	782	789	792	792	784
9 Q	792	792	789	785	786	784	782	781	785	784	785	787	787	786	780	763	755	755	763	771	782	790	791	789	781
10 D	791	791	787	786	788	789	791	769	774	756	747	786	783	743	740	731	689	728	741	747	727	728	754	756	759
11 D	761	754	763	763	756	764	757	761	726	737	753	766	771	755	752	766	753	766	753	757	761	767	772	771	759
12	762	759	773	763	769	771	767	767	779	779	775	773	771	769	760	742	755	761	770	775	768	767	778	776	768
13	781	773	769	772	783	782	780	781	778	775	774	783	783	778	766	756	760	769	772	780	781	783	783	797	777
14 D	801	792	760	768	768	768	765	776	769	775	766	781	785	772	767	751	756	767	788	775	773	813	809	811	777
15 D	747	751	740	744	752	748	746	747	750	761	762	755	757	751	730	706	719	730	739	746	761	765	767	767	748
16	770	772	770	768	780	772	773	776	778	781	781	781	781	778	775	759	752	752	766	775	781	789	771	769	773
17	774	776	771	775	770	775	770	768	777	788	793	791	793	804	796	783	771	782	795	799	804	805	809	802	786
18	798	794	793	791	791	791	793	800	789	783	767	762	787	785	769	748	742	761	772	782	788	778	773	769	779
19	762	766	770	772	772	774	771	779	783	781	785	782	780	772	761	756	759	758	760	768	776	783	792	795	773
20	797	798	798	799	795	782	780	782	789	789	794	788	797	783	762	732	747	763	768	778	784	790	782	790	782
21 D	789	773	754	753	761	765	763	752	754	765	781	772	779	778	753	742	716	712	739	753	770	775	758	743	758
22	760	764	774	770	770	765	757	759	765	769	768	763	779	769	753	733	730	737	762	768	773	783	783	778	764
23	780	777	779	773	775	770	768	767	769	781	781	785	778	763	775	763	748	737	748	755	742	760	762	768	767
24	773	772	770	762	772	783	780	770	778	779	783	792	793	785	773	760	746	734	750	757	767	771	780	785	771
25	780	777	781	783	783	781	778	784	785	788	788	791	793	788	774	770	756	741	751	767	773	784	786	784	778
26	785	788	787	786	795	783	788	786	788	790	793	793	793	786	775	761	748	752	759	765	778	782	783	789	781
27	786	788	783	771	783	794	788	788	789	792	791	795	789	783	777	762	758	761	769	776	785	790	793	790	783
28	790	790	787	789	788	791	792	792	792	795	796	795	792	786	778	770	763	764	773	787	790	793	799	798	787
29	797	798	804	783	775	783	788	794	796	795	790	790	795	792	778	765	757	758	772	780	791	797	795	798	786
30 Q	798	798	797	796	796	796	796	798	800	801	801	796	798	790	780	766	762	762	775	786	795	800	802	802	791
31 Q	799	795	799	794	800	801	800	801	800	800	800	800	798	788	770	753	751	759	775	788	798	800	803	804	791
Mean	782	780	779	777	778	779	777	776	777	779	780	782	783	775	763	751	745	751	762	770	777	783	785	785	774

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt D = 7° W + ... ' January 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	18.5	16.2	16.6	18.2	18.6	19.0	19.7	21.0	19.2	19.0	19.6	17.6	15.3	15.7	17.4	20.3	22.6	23.7	23.6	23.5	21.7	20.1	19.3	18.7	19.4
2 Q	18.2	17.9	18.0	18.4	18.4	21.8	20.4	19.1	18.1	18.3	18.5	18.4	18.1	13.8	16.0	19.9	24.8	26.1	25.4	25.4	23.6	21.5	20.4	19.3	20.0
3	18.5	16.0	15.6	13.5	16.3	20.7	20.4	20.8	18.4	17.2	17.0	15.4	13.7	13.4	16.7	21.9	25.3	26.5	26.1	25.5	24.5	22.1	20.4	19.3	19.4
4	19.3	17.1	16.5	15.3	16.6	18.1	18.0	17.1	15.9	13.4	14.8	13.5	10.6	11.6	11.9	16.5	19.4	21.8	23.5	23.6	22.8	21.4	19.6	18.9	17.4
5	17.9	17.1	15.5	19.2	14.5	15.3	16.8	17.0	16.2	17.4	16.6	15.8	15.3	20.8	21.2	23.1	21.1	22.3	23.9	24.1	22.9	21.7	22.6	26.3	19.4
6	22.3	18.0	16.6	16.3	15.2	18.0	18.4	18.0	17.1	16.5	16.6	16.5	15.8	14.6	14.8	17.3	19.0	21.7	23.8	24.0	23.2	22.7	22.0	20.8	18.7
7	19.3	17.6	17.0	17.1	17.8	16.8	18.1	18.5	16.6	17.5	17.0	20.3	16.0	12.3	12.4	16.3	19.3	20.7	21.4	22.6	23.6	22.6	21.6	20.8	18.5
8	20.0	19.3	18.7	17.5	16.8	17.2	18.0	18.4	18.2	17.7	17.7	17.2	17.6	15.8	14.2	14.8	15.7	17.2	19.5	21.7	21.8	21.3	21.1	20.6	18.2
9 Q	19.1	17.2	17.4	16.7	17.6	17.6	17.5	17.7	18.3	18.1	18.4	18.1	16.6	14.4	13.8	15.7	17.5	20.9	23.0	23.3	22.8	21.3	20.0	18.4	18.4
10 D	18.0	17.1	16.4	15.8	15.7	15.2	13.9	11.2	11.9	11.9	21.5	20.3	23.8	19.7	27.6	24.6	22.1	28.0	25.8	25.9	26.5	20.4	24.3	22.7	20.0
11 D	22.1	18.1	19.0	20.4	17.0	19.7	19.1	16.0	25.6	22.1	20.7	21.3	22.1	26.8	19.8	23.4	23.4	22.3	22.6	21.8	21.9	21.7	21.0	20.3	21.2
12	18.4	16.5	19.4	19.4	19.1	18.8	19.4	22.1	18.0	17.2	18.0	18.8	20.4	20.0	18.4	18.4	19.4	22.9	23.8	22.1	21.3	19.1	19.9	18.8	19.6
13	18.0	17.8	17.5	14.5	18.7	19.9	19.8	19.3	15.0	14.8	17.7	19.3	16.6	16.6	18.8	22.1	24.7	24.0	23.1	20.6	18.7	16.6	16.8	15.5	18.6
14 D	16.6	13.8	12.1	19.2	19.6	19.4	21.6	18.0	16.2	19.4	25.8	26.8	21.9	14.4	19.1	20.4	22.3	23.4	23.0	23.7	28.5	28.3	24.6	12.9	20.4
15 D	21.1	10.9	8.1	14.8	21.7	23.4	23.1	19.5	17.6	17.3	17.4	16.7	18.0	18.2	19.4	22.3	24.4	26.7	25.9	24.4	23.1	22.2	20.7	20.0	19.9
16	19.2	18.5	19.1	17.2	18.4	20.9	19.9	18.6	18.1	18.0	17.5	17.2	16.7	16.3	15.4	16.5	19.4	21.3	22.1	22.1	21.6	21.0	19.7	20.1	19.0
17	18.9	17.2	17.5	18.7	19.4	20.0	20.5	20.0	20.5	16.3	17.3	16.3	14.0	11.9	16.3	16.6	22.2	23.1	23.1	22.1	21.7	20.3	19.4	18.7	18.8
18	18.3	17.5	17.5	17.7	18.2	18.6	19.4	16.7	19.1	11.9	22.8	22.7	33.2	15.6	15.4	19.4	22.8	25.4	24.6	22.8	20.4	19.4	20.3	20.4	20.0
19	14.3	16.9	17.5	17.6	17.6	18.4	19.4	18.2	18.6	20.0	19.4	16.9	14.8	16.0	16.7	18.0	18.7	19.9	22.2	23.0	22.3	20.9	20.0	19.6	18.6
20	18.9	18.4	18.1	17.1	17.3	17.6	17.6	15.5	14.2	14.4	16.6	24.0	13.9	12.7	11.2	14.7	25.1	26.4	25.0	22.8	21.5	20.9	20.3	19.4	18.5
21 D	19.0	20.6	15.5	12.9	18.0	19.2	20.4	12.5	20.4	16.6	19.5	32.6	29.7	17.7	17.6	17.7	21.7	24.0	25.1	26.0	22.8	22.5	21.4	17.0	20.4
22	18.8	18.9	15.3	17.2	15.3	18.2	17.1	19.6	24.2	17.0	24.4	27.1	15.3	16.4	13.3	17.7	20.8	21.6	23.0	23.4	21.4	22.3	20.8	20.5	19.6
23	20.8	19.1	18.9	18.1	16.0	16.8	18.6	17.3	19.1	17.4	19.7	18.3	18.6	21.0	16.4	20.6	20.9	22.6	23.3	24.6	23.7	21.9	20.5	19.0	19.7
24	19.3	17.2	16.4	20.1	19.5	19.4	20.6	19.5	16.1	16.3	25.6	21.2	18.2	17.3	13.7	16.1	19.1	21.0	22.4	22.4	22.4	21.6	21.0	20.7	19.5
25	19.8	18.2	16.4	18.8	18.2	20.2	19.2	18.5	17.6	18.7	20.2	18.6	17.7	15.7	16.2	15.0	16.5	19.5	21.2	20.4	20.6	21.2	20.2	19.3	18.7
26	18.7	18.6	18.3	16.9	20.1	19.5	18.6	19.1	18.3	19.5	17.8	16.9	16.8	16.4	14.5	16.1	18.0	21.9	23.6	22.9	22.9	22.9	20.7	19.9	19.1
27	19.3	18.6	18.3	16.6	16.7	18.6	17.8	18.3	18.6	18.2	20.1	18.0	16.1	13.7	14.0	16.2	20.0	21.9	22.5	21.2	20.1	19.8	19.6	19.2	18.5
28	19.4	17.6	15.8	18.8	18.5	18.5	18.7	18.4	18.2	17.1	16.8	16.7	16.0	15.4	14.1	15.8	18.5	20.0	20.6	20.4	19.6	19.5	19.6	19.6	18.1
29	19.2	18.6	18.1	16.0	16.1	17.2	18.1	18.1	17.7	17.3	15.5	20.0	18.7	12.6	13.0	15.9	18.6	21.0	22.4	21.6	20.8	20.5	19.5	19.1	18.2
30 Q	18.6	18.1	17.8	17.8	18.3	18.7	18.3	18.6	18.4	17.8	17.3	16.8	16.6	14.5	14.4	16.6	19.1	21.9	23.7	22.7	21.4	19.6	18.7	18.6	18.5
31 Q	18.3	18.2	17.7	17.2	18.2	18.9	18.8	18.6	18.3	17.8	16.9	16.1	13.7	11.8	11.7	14.9	20.0	22.5	22.8	20.7	19.2	18.9	19.2	18.9	17.9
Mean	19.0	17.5	16.9	17.3	17.7	18.8	19.0	18.1	18.1	17.2	18.9	19.2	17.8	15.9	16.0	18.2	20.7	22.7	23.3	22.9	22.2	21.2	20.5	19.5	19.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Agincourt $Z = 56,000\ \gamma +$ January 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	225	224	223	223	222	216	216	220	220	221	219	219	222	222	218	223	229	234	234	231	228	226	223	223	223
2 Q	223	222	221	220	217	211	215	218	220	220	220	220	220	216	212	217	223	228	229	228	229	228	228	226	221
3	226	226	224	218	214	214	217	219	217	222	222	221	223	220	214	214	216	215	214	219	223	225	223	223	220
4	223	225	226	225	221	220	222	223	221	216	211	211	216	212	208	207	213	217	217	220	223	221	221	222	218
5	223	223	227	242	233	222	227	221	199	178	192	232	186	181	192	203	214	223	229	232	234	232	232	242	217
6	246	239	239	232	228	234	230	229	228	228	227	227	227	227	225	223	226	228	232	235	237	236	232	229	231
7	229	228	225	226	226	224	223	223	223	226	222	223	225	224	216	213	221	228	232	232	230	230	230	229	235
8	230	229	230	232	230	228	226	226	225	224	223	221	223	223	216	214	219	217	216	217	223	223	223	223	223
9 Q	222	223	222	222	221	220	220	221	220	218	217	218	217	218	216	216	214	212	214	216	220	223	222	221	219
10 D	221	220	218	218	219	221	220	206	207	173	132	153	180	197	206	212	221	245	245	251	281	283	267	257	219
11 D	250	251	235	221	234	224	216	209	156	151	181	203	211	203	213	217	222	223	220	222	227	227	226	228	215
12	234	236	232	230	232	229	218	209	211	219	221	221	221	220	216	217	226	226	228	229	230	242	239	236	226
13	234	230	228	228	226	226	224	221	214	211	211	217	218	217	217	219	221	223	221	226	232	235	244	244	224
14 D	234	245	260	253	247	244	220	207	156	142	156	177	201	208	208	208	216	216	217	221	240	348	404	378	234
15 D	288	251	247	268	268	252	247	244	230	230	227	223	229	223	228	234	244	240	238	239	238	232	230	232	241
16	232	231	230	227	217	226	227	228	229	229	229	229	229	229	228	228	232	238	240	239	233	232	234	240	231
17	239	235	232	232	229	215	224	226	220	216	218	222	226	223	216	216	220	222	220	215	215	216	216	217	222
18	217	217	217	216	216	217	217	204	165	118	131	170	183	189	195	203	216	223	223	225	223	222	223	226	202
19	232	234	231	227	225	225	225	223	222	221	220	220	222	219	215	215	215	215	216	219	220	220	220	219	222
20	219	219	216	217	217	216	219	215	210	216	210	196	195	204	202	203	214	216	217	221	222	222	221	220	214
21 D	283	295	275	259	239	225	210	194	195	198	202	166	183	205	203	213	219	239	246	264	280	263	257	268	233
22	257	246	236	225	219	220	215	213	185	189	172	188	215	216	214	220	225	227	225	222	225	229	227	225	218
23	228	227	225	225	220	215	213	214	203	210	211	210	213	209	203	201	210	226	234	238	238	240	238	233	220
24	231	227	216	208	215	215	210	207	198	203	201	203	210	214	216	211	215	222	232	228	227	225	225	222	216
25	224	224	220	219	216	213	213	214	213	214	210	213	216	219	216	211	211	213	219	223	220	222	222	221	217
26	221	220	219	219	210	213	215	220	219	213	208	213	216	219	216	213	212	216	217	221	225	225	222	220	217
27	218	218	213	219	218	210	215	216	215	214	210	209	214	215	212	209	214	218	218	218	220	218	218	218	215
28	219	220	219	218	218	216	218	218	218	215	214	215	218	220	219	215	216	218	217	220	217	216	215	215	217
29	215	216	215	220	229	226	222	218	218	215	212	212	210	207	201	202	207	208	209	209	210	212	214	214	213
30 Q	213	213	212	212	213	212	212	212	212	212	212	212	213	212	209	206	204	202	205	209	213	213	212	210	211
31 Q	211	211	210	209	209	210	210	209	209	209	208	207	212	212	209	209	212	208	207	212	212	210	209	209	210
Mean	231	230	227	226	224	221	220	217	209	206	205	209	213	214	212	213	218	222	224	226	229	232	233	232	221

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt — January 1960

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +		Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	05	47	804	16	26	735	69	17	45	23.9	12	51	14.7	9.2	18	15	236	05	51	208	28
2 Q	05	32	796	16	02	728	68	17	33	26.6	13	55	12.9	13.7	18	05	231	05	36	209	22
3	23	13	795	16	16	730	65	17	57	27.4	03	45	11.2	16.2	00	47	228	04	35	209	19
4	12	55	806	16	40	741	65	18	53	24.5	12	29	8.6	15.9	02	32	228	14	45	204	24
5	21	22	798	12	58	694	104	13	04	32.2	04	35	8.2	24.0	03	32	248	09	10	156	92
6	03	18	793	16	20	717	76	00	13	26.5	04	41	12.0	14.5	00	08	248	15	43	221	27
7	22	53	790	15	57	744	46	20	15	24.2	14	06	11.2	13.0	21	08	234	15	13	211	23
8	22	37	796	16	34	764	32	19	46	22.7	14	37	14.2	8.5	03	00	233	15	00	211	22
9 Q	21	33	794	16	27	752	42	18	50	24.0	14	21	13.2	10.8	00	20	223	17	20	210	13
10 D	12	05	816	16	39	645	171	12	05	35.9	07	54	7.1	28.8	21	08	308	10	27	75	233
11 D	17	36	786	09	17	688	98	13	26	34.4	03	15	9.9	24.5	01	33	264	09	14	101	163
12	09	03	783	15	33	737	46	17	45	24.5	01	36	14.8	9.7	21	22	247	07	12	208	39
13	23	59	806	19	02	732	74	16	47	25.3	08	54	11.6	13.7	22	45	251	19	01	203	48
14 D	23	45	916	08	43	735	181	21	38	36.6	23	55	-0.9	37.5	22	58	477	09	31	103	374
15 D	01	44	788	15	44	694	94	00	41	30.2	02	36	-5.3	35.5	00	01	326	03	04	177	149
16	21	26	794	17	40	746	48	17	54	22.7	03	50	14.1	8.6	23	50	242	04	19	209	33
17	11	23	819	04	55	764	55	05	21	25.5	12	59	2.8	22.7	00	06	242	05	17	204	38
18	8	58	838	16	04	737	101	12	24	38.7	09	12	5.5	33.2	19	00	232	09	17	86	146
19	22	35	798	18	33	754	44	19	55	23.9	00	36	11.1	12.8	01	25	238	16	54	203	35
20	12	00	810	15	43	725	85	11	24	31.6	14	10	7.6	24.0	20	23	226	11	53	180	46
21 D	11	05	805	17	35	688	117	12	03	36.8	03	58	8.4	28.4	01	50	358	11	20	147	211
22	22	38	791	17	05	714	77	11	07	39.8	02	24	8.0	31.8	00	04	264	10	49	155	109
23	11	47	789	17	41	730	59	19	52	26.6	04	55	12.4	14.2	19	50	249	08	37	191	58
24	12	44	800	17	40	724	76	10	31	29.9	14	36	10.9	19.0	00	02	235	10	54	189	46
25	11	47	795	17	45	733	62	10	54	22.7	14	57	13.1	9.6	21	26	226	16	04	207	19
26	05	40	804	16	57	735	69	18	59	24.1	15	06	13.6	10.5	20	48	227	10	35	203	24
27	01	40	807	16	52	754	53	18	15	22.8	13	58	12.9	9.9	01	09	221	05	09	206	15
28	22	30	803	16	36	760	43	18	34	21.4	14	37	13.1	8.3	19	18	224	10	32	213	11
29	02	12	818	17	01	747	71	18	44	22.9	13	01	10.0	12.9	04	32	232	14	20	198	34
30 Q	23	21	805	16	49	758	47	18	19	24.1	14	19	13.9	10.2	21	35	214	17	25	201	13
31 Q	23	30	807	16	11	747	60	17	54	24.1	13	44	11.0	13.1	16	26	214	17	40	206	8
Mean			805			731	74			27.6			10.1	17.6			252			184	68
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 5 Agincourt — H = 15,000 γ + — February 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	802	801	798	796	795	793	789	788	790	783	797	801	796	787	773	752	738	746	762	782	797	803	799	801	786
2	797	796	796	791	788	793	786	787	788	787	785	783	782	765	745	742	722	739	741	745	769	775	769	770	773
3	768	770	770	770	765	763	767	768	764	765	768	768	757	760	751	726	734	720	744	769	767	783	789	778	762
4	781	780	771	775	776	764	772	769	778	767	765	774	773	765	753	741	735	727	748	767	789	772	775	785	767
5	781	782	780	778	778	779	786	789	795	794	791	771	798	794	773	750	746	753	750	765	773	783	781	780	777
6	786	771	765	768	764	762	758	759	747	768	775	775	774	776	774	766	755	753	758	766	778	787	795	801	770
7 Q	791	786	782	780	787	788	791	786	791	792	798	796	793	786	776	767	762	767	778	786	791	793	797	796	786
8	796	796	795	793	795	793	795	794	783	785	788	792	786	792	781	767	747	750	762	776	787	792	796	798	785
9 Q	796	791	787	796	795	794	796	797	799	801	801	802	802	797	790	785	785	787	791	791	798	805	808	810	796
10 Q	811	809	804	798	793	788	794	794	799	803	805	810	808	801	796	790	782	780	786	794	801	805	805	806	798
11	806	807	807	805	805	807	810	812	815	816	813	810	805	794	785	775	772	767	782	798	801	798	785	788	798
12	785	774	778	780	782	783	785	785	785	788	788	791	790	782	773	768	768	773	783	790	794	795	795	797	784
13	800	799	799	799	799	800	801	803	803	805	804	803	800	792	782	775	770	768	775	782	788	771	767	769	790
14 D	759	744	730	720	732	749	744	773	770	775	776	775	780	765	749	757	755	750	751	758	760	764	767	759	757
15	762	763	764	767	769	770	773	775	776	779	779	778	775	767	749	757	761	739	754	757	773	780	785	788	768
16 D	787	780	773	772	775	776	774	774	778	791	795	788	783	774	748	749	788	773	765	773	786	790	788	779	777
17 D	786	791	798	794	788	776	780	754	770	785	790	795	790	783	780	772	764	752	769	790	801	804	791	813	784
18 D	811	778	745	729	734	743	711	773	773	776	783	788	783	781	778	762	760	757	749	760	776	785	785	789	767
19	785	790	788	784	784	783	775	790	785	775	786	790	790	789	785	763	759	748	755	758	781	770	768	771	777
20	762	765	762	768	764	765	778	779	776	783	790	791	781	770	765	765	759	758	760	766	783	790	787	782	773
21 D	788	783	790	781	772	775	751	767	784	783	768	788	801	780	763	768	749	754	764	774	776	783	793	793	776
22	791	789	789	788	785	786	791	789	791	794	798	793	793	789	782	770	763	763	773	788	781	781	793	793	786
23	791	788	786	789	786	796	788	788	790	793	793	791	793	788	780	773	751	744	769	778	780	785	792	794	784
24 Q	796	795	793	788	796	787	785	786	788	792	794	794	792	785	779	775	773	771	777	780	788	790	795	794	787
25 Q	793	792	793	793	794	794	794	796	799	801	802	801	798	786	778	773	768	770	778	790	796	793	798	800	791
26	800	800	801	801	804	804	805	806	807	806	814	818	815	802	790	786	798	799	801	802	801	801	801	797	802
27	787	791	771	769	767	773	772	777	785	790	790	796	805	790	778	767	765	763	767	783	796	795	806	793	782
28	796	798	799	803	799	793	799	790	788	791	795	791	786	776	770	767	759	760	771	782	790	795	799	805	788
29	796	786	799	803	800	798	774	770	788	790	785	792	788	782	771	762	771	773	774	791	798	791	782	787	785
30																									
31																									
Mean	789	786	783	782	782	782	780	783	786	788	790	791	790	783	772	764	761	759	767	777	786	788	789	790	781

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt — D = 7° W + ... ′ — February 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	18.2	18.1	18.1	18.1	15.0	18.2	18.1	17.9	17.3	16.9	12.6	9.7	12.7	16.9	17.2	18.3	22.0	23.8	25.4	23.7	20.9	19.2	19.1	18.9	18.2
2	18.5	18.2	17.7	17.7	16.9	18.9	17.6	17.3	16.4	15.6	13.7	14.5	11.8	8.9	10.3	14.8	17.3	23.4	26.4	27.9	23.3	22.9	23.5	23.2	18.2
3	20.5	18.1	16.8	17.6	19.0	18.2	18.3	17.7	17.2	15.4	14.0	12.3	14.5	14.6	12.3	16.8	21.4	26.5	27.0	25.1	23.6	23.8	23.7	18.2	18.9
4	23.0	17.8	16.0	18.2	16.6	11.9	16.7	15.6	14.5	11.2	9.3	17.6	16.0	12.7	13.2	16.6	20.1	23.3	26.8	27.5	26.5	25.2	22.4	19.9	18.3
5	19.2	18.3	18.2	17.7	17.3	18.0	17.8	21.1	19.6	17.7	12.6	30.9	19.5	12.6	12.0	16.7	24.2	24.2	25.2	26.7	24.6	23.9	24.6	25.2	20.3
6	27.4	22.9	4.6	14.3	14.5	15.0	14.9	9.2	9.1	14.7	14.9	16.5	17.6	15.7	13.7	14.8	19.0	22.9	24.1	23.5	23.2	22.2	20.8	19.6	17.3
7 Q	19.5	18.3	16.9	13.2	14.8	18.7	18.3	18.5	19.2	19.2	16.6	16.6	16.4	15.5	14.8	15.3	17.3	20.1	21.2	20.9	20.5	20.1	20.2	19.6	18.0
8	19.3	18.6	18.3	18.3	17.9	18.0	18.5	17.3	14.2	13.5	16.2	14.3	19.6	16.0	14.3	17.3	20.3	23.3	25.0	23.6	21.5	20.6	20.0	19.0	18.5
9 Q	19.7	19.3	14.2	19.7	19.3	18.4	18.5	17.8	17.4	16.7	16.6	15.9	14.9	13.7	13.8	15.1	18.4	21.1	20.7	21.1	20.3	20.0	19.8	18.8	18.0
10 Q	18.4	18.2	18.5	18.5	17.8	16.9	16.5	16.7	16.9	16.5	17.0	17.0	17.4	15.0	15.5	17.3	19.6	21.5	22.4	20.8	18.4	18.2	18.7	19.0	18.0
11	18.6	18.4	18.7	19.0	18.7	18.6	18.4	18.4	18.2	17.6	16.8	16.9	17.4	16.5	15.0	17.3	20.7	23.8	27.5	25.6	24.2	26.2	24.2	18.9	19.8
12	19.1	18.9	18.6	17.3	17.8	17.9	18.3	18.2	18.8	17.3	14.7	16.0	15.6	14.6	13.8	17.2	20.1	21.9	22.0	21.2	20.4	19.9	19.8	19.1	18.3
13	18.2	17.8	17.9	17.4	17.8	18.0	17.9	18.1	18.2	17.8	17.1	16.0	15.2	14.1	13.7	15.9	18.5	20.4	20.7	21.9	24.8	26.3	23.8	23.8	18.8
14 D	16.6	19.4	17.0	12.6	18.1	10.1	20.0	18.4	16.4	17.4	17.0	25.7	21.7	20.7	24.6	26.6	25.1	26.4	27.2	26.8	29.3	23.8	26.5	22.8	21.3
15	19.6	18.4	18.6	18.3	18.4	18.1	17.8	17.1	17.3	17.4	17.2	17.0	16.1	18.3	24.2	27.0	22.5	23.6	25.2	24.8	22.5	20.9	20.3	19.6	20.0
16 D	19.6	18.1	17.8	17.8	17.5	16.7	16.1	15.8	14.7	14.6	12.0	11.8	15.5	12.5	23.0	31.1	23.0	21.6	22.5	22.1	21.9	21.9	21.9	20.1	18.7
17 D	18.8	17.3	9.2	17.2	22.9	16.5	21.1	14.7	10.7	12.3	10.0	12.4	14.2	13.7	17.6	19.0	19.7	21.6	28.9	27.9	24.3	24.2	24.6	24.6	18.5
18 D	23.5	20.5	8.6	9.8	9.0	7.0	17.9	15.2	18.8	19.7	17.3	17.5	19.8	17.9	14.7	18.2	23.3	22.4	25.5	26.2	22.8	21.0	20.4	20.2	18.2
19	20.1	18.8	18.4	17.4	16.9	17.3	17.2	21.1	15.8	17.2	18.2	17.9	18.7	15.9	14.3	17.4	20.4	22.6	22.3	26.3	29.3	23.8	22.9	20.9	19.7
20	17.4	9.7	12.0	10.1	10.8	13.8	17.1	16.1	17.8	22.5	18.3	19.3	19.7	17.5	14.5	16.6	20.5	22.3	23.7	23.7	22.9	22.6	21.5	20.1	17.9
21 D	19.4	18.3	18.3	15.2	15.9	17.5	27.1	19.8	14.9	13.4	27.0	25.7	18.0	16.0	17.8	18.0	21.6	20.3	21.7	22.4	20.8	19.8	19.8	19.4	19.5
22	19.0	18.5	18.5	18.0	17.5	18.0	17.8	21.1	17.9	17.4	17.4	17.9	18.3	16.2	13.9	14.5	18.4	20.7	22.0	23.1	23.5	21.7	20.3	19.4	18.8
23	19.1	18.5	18.0	18.8	17.4	19.9	17.8	17.1	17.2	18.4	17.1	17.1	17.2	16.6	16.5	16.8	19.7	22.5	22.6	21.2	21.1	20.8	20.6	19.7	18.8
24 Q	18.6	18.5	18.5	18.3	16.8	18.1	17.5	17.5	17.4	17.2	17.0	16.4	16.2	15.1	14.8	16.3	17.9	20.8	22.0	22.9	22.8	21.2	20.1	19.5	18.4
25 Q	19.3	19.0	18.9	18.9	18.5	18.4	18.1	19.1	18.8	16.9	15.8	15.6	14.4	14.2	13.1	14.3	17.2	19.8	21.7	22.9	22.8	21.4	19.7	19.1	18.2
26	18.8	18.6	18.5	18.3	18.3	18.4	18.1	16.6	17.0	16.2	15.5	14.4	14.2	11.9	13.3	16.8	20.8	22.8	22.6	22.0	20.8	20.0	19.7	19.6	18.1
27	19.6	18.7	15.5	15.1	7.9	16.6	16.2	17.8	16.7	16.3	16.3	18.9	15.1	13.1	16.1	17.0	21.0	22.1	24.3	23.1	21.4	20.5	19.4	19.2	17.8
28	19.3	19.1	18.5	17.9	16.9	16.7	17.4	16.9	19.7	20 1	16.3	15.4	13.0	11.5	12.3	14.7	18.6	21.7	23.3	23.1	21.5	20.4	19.7	19.5	18.1
29	20.2	20.3	11.6	18.5	18.2	14.8	11.6	16.4	16.9	16.2	17.5	15.2	11.1	12.6	10.7	17.1	18.4	21.2	23.8	25.1	25.1	25.0	23.5	23.5	18.1
30																									
31																									
Mean	19.6	18.4	16.3	16.9	16.7	16.7	17.9	17.4	16.7	16.7	15.9	17.0	16.3	14.8	15.2	17.8	20.2	22.4	24.0	23.9	22.9	22.0	21.4	20.4	18.6

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Agincourt $Z = 56,000\ \gamma +$ February 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	208	207	207	208	207	207	212	212	208	202	187	187	189	197	196	196	201	207	212	214	214	208	207	208	204
2	209	208	209	209	210	210	212	214	213	212	209	208	207	206	204	199	200	209	209	221	237	237	233	237	213
3	231	226	224	231	233	232	230	222	219	212	215	215	213	218	210	206	215	221	228	234	232	234	248	257	225
4	260	251	248	236	226	224	226	218	201	199	206	218	218	223	219	214	216	220	230	236	235	226	224	224	225
5	222	220	220	219	220	220	216	205	203	214	202	183	156	178	181	186	201	212	218	223	225	228	231	239	209
6	248	267	250	214	238	234	225	211	205	220	223	223	222	220	220	215	214	221	224	226	227	225	224	220	226
7 Q	221	223	226	223	213	212	213	214	217	217	215	215	217	217	215	213	207	211	216	221	220	216	214	212	216
8	213	212	211	211	211	212	206	192	206	211	211	204	205	211	205	199	200	208	219	223	221	218	217	215	210
9 Q	219	226	223	223	219	217	217	216	214	214	213	212	211	211	206	201	201	206	211	212	214	211	213	211	213
10 Q	208	208	207	203	206	201	206	208	212	211	209	206	201	206	205	205	211	217	219	220	220	214	213	212	210
11	211	211	209	210	208	209	209	209	210	208	206	208	208	208	206	203	208	213	220	220	221	223	217	219	211
12	222	222	221	220	214	212	212	211	207	202	204	207	211	213	210	200	202	208	211	213	213	210	210	210	211
13	207	207	206	206	206	206	205	205	205	201	197	203	204	205	204	204	205	208	210	217	224	237	279	304	215
14 D	236	236	235	242	227	178	203	197	211	213	207	194	196	202	207	208	210	214	219	228	258	255	247	242	219
15	234	228	225	223	222	222	221	221	218	218	217	217	218	218	216	216	216	222	229	224	224	220	219	219	221
16 D	217	222	227	229	224	224	224	223	219	218	210	205	213	213	210	204	203	207	210	214	219	222	223	234	217
17 D	234	231	217	199	186	192	191	161	174	197	202	200	210	210	200	191	191	195	208	213	220	229	230	241	205
18 D	279	279	270	223	185	168	157	190	209	197	204	209	211	210	209	205	212	218	231	233	225	225	221	224	216
19	221	217	217	216	215	212	213	196	187	203	209	203	203	209	205	203	203	211	221	237	251	259	248	240	217
20	261	234	241	228	187	203	196	204	206	191	198	209	211	211	211	206	204	206	209	215	221	222	223	222	213
21 D	218	217	203	204	211	212	160	169	206	199	175	173	186	197	201	202	203	214	215	218	218	220	217	214	202
22	213	212	212	211	211	210	200	198	199	203	203	205	206	212	213	206	203	205	209	212	220	221	218	215	209
23	211	210	212	211	209	191	194	206	209	206	204	206	209	206	203	198	198	212	215	211	212	215	213	211	207
24 Q	209	208	208	208	200	198	202	205	207	209	208	208	208	209	209	207	205	204	203	202	205	208	208	208	206
25 Q	208	207	208	206	205	206	205	203	200	200	203	205	205	208	203	198	197	197	198	201	205	205	207	207	204
26	206	206	205	205	205	205	205	204	202	204	206	205	207	208	205	200	201	202	202	203	204	205	207	208	205
27	214	219	225	208	174	200	224	224	220	216	210	209	202	200	205	205	208	208	211	215	215	211	210	208	210
28	208	205	203	205	204	204	195	198	202	201	198	202	205	203	199	198	197	198	201	202	205	207	207	207	202
29	205	210	204	204	204	197	192	208	208	204	197	193	201	199	194	195	197	198	199	205	209	216	217	216	203
30																									
31																									
Mean	223	222	220	215	210	208	206	205	207	207	205	205	205	208	206	203	204	209	214	218	221	222	222	224	212

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt — February 1960

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	10	47	810	16	17	737	73	18	33	25.9	11	17	6.4	19.5	19	45	215	11	12	171	44
2	04	58	798	16	39	709	89	18	58	29.9	14	06	3.0	26.9	20	17	243	15	46	193	50
3	23	52	800	17	31	710	90	17	50	28.7	11	46	9.4	19.3	22	56	270	15	16	201	69
4	20	35	797	17	32	718	79	19	20	29.6	10	27	7.1	22.5	00	31	264	09	04	180	84
5	12	32	806	16	09	732	74	11	47	40.2	14	32	8.6	31.6	23	37	244	12	10	142	102
6	03	07	812	03	19	728	84	03	12	34.4	02	44	-6.7	41.1	02	20	284	03	09	156	128
7 Q	23	30	800	16	12	760	40	18	15	21.4	03	48	9.4	12.0	02	12	228	04	28	205	23
8	07	15	807	16	51	736	71	18	48	25.3	14	27	10.3	15.0	19	14	225	07	10	182	43
9 Q	23	59	813	02	42	776	37	17	44	21.9	02	35	12.3	9.6	01	59	230	15	45	200	30
10 Q	00	34	814	17	16	776	38	18	40	22.9	14	20	14.4	8.5	18	30	221	05	50	196	25
11	09	50	819	17	44	761	58	18	40	29.1	14	49	14.1	15.0	21	09	223	10	47	203	20
12	21	02	799	16	36	772	27	17	58	22.6	14	23	13.5	9.1	02	05	225	16	01	197	28
13	10	03	809	21	52	753	56	22	56	29.9	23	59	6.9	23.0	23	56	357	09	52	194	163
14 D	00	02	790	03	07	714	76	20	28	33.6	00	07	-1.9	35.5	00	02	324	05	18	164	160
15	23	10	792	17	25	729	63	15	04	28.7	12	40	14.7	14.0	00	06	236	16	23	212	24
16 D	09	47	804	15	09	692	112	14	57	40.0	13	50	5.4	34.6	23	52	240	15	10	181	59
17 D	23	25	829	07	35	740	89	18	48	31.2	02	13	-1.2	32.4	02	07	250	07	54	149	101
18 D	00	39	831	06	38	687	144	00	43	33.0	05	03	-1.5	34.5	00	51	331	04	58	131	200
19	20	53	809	17	32	731	78	20	50	32.5	14	06	11.9	20.6	20	56	275	07	49	176	99
20	21	03	806	16	44	753	53	09	27	26.7	01	16	2.0	24.7	00	30	286	14	14	169	117
21 D	02	26	809	07	08	736	73	10	42	35.8	02	18	10.6	25.2	19	56	227	07	02	122	105
22	10	43	801	17	48	759	42	07	34	25.1	15	38	11.8	13.3	20	45	225	07	58	193	32
23	05	23	804	17	10	739	65	05	50	25.4	14	00	13.0	12.4	18	09	216	05	33	179	37
24 Q	04	40	809	16	48	770	39	20	10	23.1	13	12	14.4	8.7	00	12	211	04	53	192	19
25 Q	09	18	803	16	39	765	38	19	48	23.7	14	15	11.9	11.8	22	18	208	16	33	195	13
26	10	50	821	15	25	770	51	17	00	24.3	13	58	10.6	13.7	10	46	210	15	25	196	14
27	22	27	818	15	30	742	76	18	30	25.8	04	07	-3.7	29.5	06	09	241	04	16	155	86
28	23	47	809	16	29	756	53	18	59	23.9	13	22	9.8	14.1	00	05	209	06	40	187	22
29	21	25	816	15	00	752	64	19	50	26.7	14	22	7.9	18.8	22	35	222	06	08	186	36
30																					
31																					
Mean			808			741	67			28.3			7.7	20.6			246			180	67
No. days			29			29	29			29			29	29			29			29	29

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 9 Agincourt — H = 15,000 γ + — March 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	785	791	780	778	787	783	794	785	773	778	773	787	781	780	769	756	757	762	783	793	792	788	783	780	780
2 D	783	770	758	776	780	775	764	768	749	765	779	771	753	768	769	751	744	761	754	775	790	786	776	783	769
3 D	783	781	781	785	783	764	760	780	768	756	766	773	763	748	751	762	764	763	754	773	766	785	784	776	770
4	778	780	780	780	775	776	772	776	783	783	782	778	768	758	725	732	757	761	778	784	784	785	763	776	771
5	779	773	775	778	774	764	759	767	770	778	781	774	770	764	765	763	768	773	780	778	773	773	773	781	772
6	793	785	791	783	796	791	785	782	782	782	783	794	788	773	763	757	750	753	764	769	769	779	794	787	779
7 Q	784	788	790	790	790	790	788	792	793	794	794	792	790	780	767	757	755	758	763	773	788	795	800	802	784
8	805	804	803	801	801	799	806	790	776	779	776	778	793	788	773	763	758	768	771	778	790	794	785	790	786
9	796	800	793	781	783	790	790	793	794	799	798	801	799	792	776	779	770	759	764	771	783	785	792	795	787
10	794	792	794	793	791	793	800	788	777	775	780	791	788	780	765	756	744	760	763	764	782	786	790	790	781
11 D	791	784	781	785	786	789	786	778	776	784	783	736	773	771	763	753	732	723	740	761	770	778	773	771	769
12	769	770	774	774	776	776	779	777	776	770	775	779	773	761	748	731	727	739	750	758	772	782	785	785	767
13 Q	784	783	787	788	788	788	783	780	780	784	785	784	780	769	756	746	743	752	763	776	783	788	785	794	777
14	793	794	793	794	800	798	794	793	789	785	801	799	789	774	759	751	759	770	780	793	806	809	811	818	790
15	808	809	806	804	801	800	801	800	799	795	794	796	791	780	757	737	751	756	768	780	789	799	798	830	790
16 D	967	977	815	630	618	544	670	688	609	744	775	773	759	749	740	728	716	723	734	748	778	805	772	758	742
17	772	767	769	764	774	780	777	784	746	795	805	800	785	779	770	753	751	764	773	793	798	795	790	795	778
18	790	792	784	790	803	800	815	797	789	797	804	800	789	779	767	753	751	754	767	777	789	801	800	795	787
19	796	799	799	798	802	802	803	804	805	808	800	804	799	784	771	764	771	767	769	780	785	793	800	802	792
20 Q	798	795	795	794	790	795	797	801	804	805	804	802	793	787	774	762	753	756	769	780	792	798	801	799	789
21	801	802	799	798	795	793	789	787	791	801	803	798	783	757	777	763	753	755	771	784	794	801	798	797	787
22 Q	799	794	793	796	789	797	797	798	801	801	798	796	788	782	789	779	771	768	773	781	788	798	799	803	791
23 Q	798	801	797	798	805	806	802	801	799	790	802	803	803	796	782	762	752	753	766	777	792	804	806	802	792
24	799	781	785	784	789	798	797	803	802	797	801	805	797	787	776	750	749	773	791	804	793	811	809	794	791
25	793	793	790	791	791	792	802	796	793	795	795	793	787	777	762	743	734	745	772	775	790	787	796	792	783
26	778	782	792	793	796	797	797	796	800	797	801	802	796	782	771	752	750	763	775	786	797	802	805	807	788
27	807	807	803	804	817	801	793	796	801	797	803	802	796	781	768	753	747	750	769	790	808	813	813	809	793
28	808	810	808	807	806	809	811	807	811	812	813	807	803	790	768	743	734	770	797	813	821	816	810	800	799
29	782	782	767	778	779	781	782	756	763	789	792	795	787	774	756	741	740	747	766	781	808	812	814	810	778
30	802	788	796	801	800	795	789	792	797	793	799	801	789	784	759	730	720	757	789	792	820	848	809	782	789
31 D	785	775	785	797	777	755	746	713	624	679	756	531	785	770	749	736	613	694	876	848	878	1095	1296	1093	798
Mean	797	795	789	784	785	781	785	783	775	784	790	782	785	776	764	752	745	755	772	782	792	806	810	803	782

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt D = 7° W + ... ′ March 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	20.8	18.6	14.7	15.2	16.2	15.4	14.0	15.0	13.5	14.3	14.3	16.4	12.6	12.5	12.6	15.1	20.2	24.6	26.8	28.6	29.6	28.4	27.6	23.7	18.8
2 D	21.3	19.8	21.0	17.7	14.9	14.5	11.9	14.7	24.1	18.0	14.4	12.9	17.5	15.3	15.8	16.3	20.8	22.1	24.3	26.3	25.6	24.0	23.8	22.2	19.1
3 D	21.5	18.0	17.1	16.2	14.4	13.6	13.3	20.9	12.4	9.2	19.0	11.3	14.6	19.0	23.5	25.1	21.2	20.7	24.9	24.8	24.4	23.8	22.7	21.6	18.9
4	20.3	20.0	18.4	18.6	14.9	17.2	16.0	16.3	16.3	16.0	14.8	13.8	15.0	19.0	14.9	22.9	23.1	24.7	26.8	24.0	23.9	23.8	22.8	22.1	19.4
5	22.1	18.6	17.5	16.7	12.6	12.9	12.0	17.5	9.0	13.6	14.4	12.5	10.9	8.4	11.9	13.5	16.7	19.8	21.8	24.0	24.1	22.2	19.5	20.2	16.4
6	19.9	19.4	18.0	17.3	5.6	21.8	17.0	16.5	17.0	20.4	22.7	17.1	13.9	12.4	12.8	14.4	17.5	22.9	24.6	26.0	25.6	23.4	21.7	20.4	18.7
7 Q	19.5	19.3	19.4	19.0	18.9	17.4	16.6	17.4	17.2	16.6	15.7	15.2	13.5	11.4	11.1	14.0	17.2	20.4	23.1	24.4	23.6	21.9	21.0	19.9	18.1
8	19.3	19.1	18.3	17.5	18.9	19.4	26.4	20.8	10.3	11.6	12.4	16.6	17.4	17.1	15.5	20.0	20.9	23.8	23.9	23.5	20.8	19.2	18.6	18.9	18.8
9	19.0	18.9	19.1	18.4	15.6	16.7	15.6	14.9	15.4	15.2	15.7	15.3	14.7	14.0	11.7	18.8	19.0	21.3	23.8	23.0	22.1	20.7	19.7	18.6	17.8
10	19.0	18.7	19.0	18.4	18.3	17.9	18.0	13.9	26.8	20.4	8.9	12.2	12.6	13.1	13.6	19.8	25.5	25.4	23.6	26.0	22.2	20.0	18.9	19.0	18.8
11 D	18.4	18.8	18.8	18.3	19.3	25.9	18.5	15.0	21.5	14.8	11.3	29.3	22.2	16.7	15.0	18.8	21.1	29.5	28.7	26.8	24.7	22.2	21.2	19.7	20.7
12	18.9	17.3	18.2	18.5	20.0	19.5	17.5	16.1	16.8	15.3	16.7	15.7	14.1	14.4	14.3	18.2	24.4	26.9	26.8	25.9	24.0	22.1	20.5	20.0	19.2
13 Q	19 9	19.3	15.9	18.7	18.2	17.6	17.7	17.5	17.1	16.4	16.3	15.0	13.6	12.6	13.1	15.3	19.9	23.6	25.7	26.0	24.6	22.0	20.1	19.3	18.6
14	19.3	18.8	18.6	19.8	18.7	18.3	17.5	17.3	15.7	20.8	18.5	14.0	11.8	10.9	11.4	13.6	19.3	21.7	23.6	24.4	23.3	21.3	20.6	20.0	18.3
15	19.3	18.6	18.3	18.1	17.7	17.7	17.6	17.2	16.9	16.6	16.5	14.7	11.5	9.9	9.7	10.1	19.0	23.2	28.6	30.2	27.8	28.5	29.2	29.4	19.4
16 D	26.8	18.3	8.4	7.9	17.5	16.5	20.4	15.4	39.5	22.0	17.9	15.6	15.2	15.2	13.4	16.0	21.1	26.4	25.5	28.2	28.4	25.1	22.3	17.1	20.0
17	17.8	16.3	15.4	6.6	14.5	18.5	22.7	29.1	34.2	21.0	17.2	17.3	14.8	13.2	15.1	17.2	23.8	25.1	27.6	27.5	26.5	24.7	21.3	19.0	20.3
18	18.1	18.1	15.4	17.3	17.4	23.1	23.2	14.7	17.3	18.8	17.8	16.5	15.1	12.7	13.1	16.5	21.4	24.1	25.3	25.6	24.8	23.0	20.6	19.3	19.1
19	17.2	18.2	19.3	18.1	18.2	17.8	17.6	17.5	19.2	18.4	16.4	15.4	15.9	14.8	15.1	20.1	23.4	22.8	24.0	24.9	23.7	21.9	20.1	19.6	19.2
20 Q	19.4	18.7	18.8	18.6	17.5	14.7	17.2	16.9	16.5	16.5	16.7	15.7	13.9	13.0	12.1	14.5	19.3	23.3	25.0	25.0	23.7	22.0	20.2	19.6	18.3
21	19.6	18.7	18.5	17.9	18.2	17.8	17.1	21.2	20.0	16.5	15.1	14.8	14.1	17.7	17.6	15.7	19.1	24.0	25.1	24.0	22.8	21.1	20.0	19.8	19.0
22 Q	19.5	18.8	18.6	17.3	15.0	17.9	18.5	20.7	17.8	16.4	16.0	15.5	14.7	16.5	15.9	15.4	18.7	21.5	23.9	24.3	23.4	22.1	21.0	19.4	18.7
23 Q	17.5	18.3	18.4	17.6	17.9	19.3	17.4	16.7	16.4	17.1	18.7	16.6	13.6	11.5	10.8	12.8	16.8	22.1	25.4	26.1	25.7	23.3	21.5	19.2	18.4
24	19.2	10.8	8.5	14.2	15.4	16.9	16.9	17.2	14.2	15.7	17.7	14.0	12.3	11.7	10.9	12.4	23.8	26.3	26.2	25.7	23.2	21.8	21.1	20.7	17.4
25	20.2	19.5	19.3	18.8	18.4	17.9	17.3	16.5	14.7	15.7	15.3	14.3	14.4	13.4	13.0	16.4	20.3	24.7	27.2	26.8	24.1	21.3	19.2	18.8	18.6
26	19.0	18.6	17.0	18.1	18.7	18.5	17.8	17.0	18.8	16.7	16.4	14.2	12.6	11.3	13.3	15.5	22.4	27.6	28.8	26.9	24.6	22.0	20.2	20.1	19.0
27	19.6	18.8	18.3	18.4	14.7	18.0	16.3	16.4	16.6	15.1	15.1	11.8	10.9	9.8	9.8	13.2	18.8	24.1	27.6	28.0	26.2	23.4	20.9	19.8	18.0
28	19.5	18.9	18.6	18.4	17.9	17.0	15.5	18.5	16.1	19.0	17.8	12.1	8.7	9.2	10.3	16.0	26.5	32.6	28.9	28.5	27.0	24.4	22.8	20.5	19.4
29	13.8	16.6	15.6	17.0	22.3	15.6	16.0	23.8	17.7	22.3	17.5	15.1	11.4	10.2	12.1	16.0	20.3	24.1	28.1	28.9	27.7	25.3	22.3	17.1	18.6
30	13.9	19.3	19.5	19.5	18.8	16.7	16.9	18.2	17.4	18.4	19.5	14.2	10.6	11.1	11.1	18.2	26.2	36.0	33.3	34.9	31.3	27.4	29.7	27.5	21.2
31 D	20.7	20.5	21.9	23.1	19.6	19.7	17.8	15.0	34.8	22.4	16.2	41.9	8.7	2.1	-1.9	7.2	1.8	46.0	30.6	45.4	33.4	34.6	13.2	14.8	21.2
Mean	19.4	18.4	17.5	17.3	17.0	17.8	17.4	17.6	18.8	16.8	16.2	16.0	13.6	12.9	12.9	16.1	20.3	25.2	26.1	26.9	25.2	23.4	21.4	20.2	18.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Agincourt $Z = 56,000\ \gamma +$ March 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	218	227	225	214	214	206	202	196	195	199	201	197	201	194	187	192	197	200	211	243	235	227	216	209
2 D	216	229	227	227	218	209	209	210	165	182	207	209	202	198	196	193	197	204	210	220	222	225	226	220	209
3 D	225	230	232	225	211	204	196	168	186	177	175	196	202	201	197	190	191	199	206	210	211	218	216	220	204
4	218	220	221	216	215	214	209	207	207	207	207	202	202	199	194	207	204	204	204	208	213	222	233	231	211
5	227	229	225	223	222	215	213	164	185	208	209	208	209	202	201	198	194	197	199	203	211	219	226	222	209
6	219	216	209	213	186	172	197	207	204	198	197	200	201	202	203	201	199	200	198	204	210	213	215	213	203
7 Q	208	208	206	206	205	204	204	203	203	203	202	206	206	206	204	203	199	198	203	208	207	206	203	202	204
8	201	201	200	200	200	191	123	154	187	196	184	176	172	175	178	181	190	197	201	203	206	207	207	206	189
9	204	202	201	201	201	200	190	195	202	201	196	200	200	200	195	195	193	195	200	201	204	203	202	203	199
10	201	200	201	202	202	201	195	188	147	84	163	193	198	200	196	196	204	212	217	220	220	215	209	208	195
11 D	206	209	209	207	171	127	176	189	181	181	178	142	146	173	189	192	196	215	225	221	221	218	213	215	192
12	214	213	212	209	209	206	201	194	191	197	203	204	206	208	209	208	212	217	218	215	215	217	215	209	208
13 Q	208	208	207	205	203	202	201	200	205	207	207	208	207	208	208	205	206	208	211	211	212	216	211	208	207
14	206	205	202	197	189	194	194	194	197	193	188	197	201	202	202	195	199	205	206	206	208	202	199	199	199
15	195	195	195	196	195	196	197	197	196	195	196	197	202	201	199	196	195	199	209	237	236	232	235	318	209
16 D	452	510	286	202	177	133	171	127	56	169	217	230	227	230	226	223	231	238	253	257	255	257	253	250	235
17	233	229	227	213	217	219	206	160	128	174	194	200	208	214	212	205	208	212	219	226	232	225	223	220	208
18	216	216	217	214	194	166	147	190	197	205	205	206	207	208	207	205	206	208	212	214	213	214	212	213	204
19	210	208	207	206	204	202	204	204	198	182	186	181	186	189	192	196	198	198	201	207	207	204	205	204	199
20 Q	201	202	203	204	199	192	198	200	201	200	198	198	199	200	198	192	188	192	194	197	200	201	201	199	198
21	199	199	198	198	198	198	191	182	179	188	193	198	199	202	201	190	183	183	187	191	195	196	196	198	193
22 Q	198	198	198	198	198	198	198	196	194	196	198	200	201	202	201	193	191	193	193	191	194	198	200	204	197
23 Q	204	201	201	200	193	184	191	195	197	195	193	194	198	200	195	193	194	196	195	194	198	201	204	205	197
24	204	204	194	198	199	201	200	188	187	191	194	194	196	199	199	192	192	192	195	202	205	206	200	198	197
25	197	197	197	197	196	195	189	192	194	194	194	197	198	199	197	193	193	197	200	200	201	200	203	205	197
26	209	205	199	199	197	197	197	193	187	183	191	198	199	200	200	194	192	200	203	204	203	200	200	197	198
27	195	193	196	195	174	175	187	193	184	184	185	187	191	192	192	193	197	200	203	206	206	203	200	199	193
28	199	197	195	195	197	197	188	189	181	174	151	154	175	182	181	182	190	195	200	207	236	242	228	237	195
29	231	213	225	219	178	196	194	144	142	192	203	211	210	204	201	201	203	206	210	211	214	215	212	215	202
30	215	221	215	205	201	200	205	206	203	197	197	206	204	203	200	202	212	219	223	229	248	279	283	276	219
31 D	258	263	250	208	207	186	182	158	89	86	136	-42	62	162	195	189	192	241	275	257	269	362	411	173	199
Mean	219	221	212	207	199	193	192	187	180	185	192	189	194	199	199	196	198	204	209	212	217	221	222	216	202

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt — March 1960

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	19	37	806	15	35	746	60	20	32	31.0	06	04	8.2	22.8	20	50	257	15	33	179	78
2 D	23	55	795	08	33	731	64	08	47	33.1	06	19	9.0	24.1	02	17	238	08	47	146	92
3 D	04	32	796	13	34	742	54	15	32	26.5	19	40	7.2	19.3	01	35	233	07	20	152	81
4	20	17	800	15	02	704	96	18	10	28.9	14	12	10.7	18.2	22	50	240	14	10	191	49
5	23	59	795	07	01	749	46	21	17	25.0	13	52	3.7	21.3	01	05	232	07	40	146	86
6	04	51	830	16	47	745	85	20	03	27.2	04	33	-2.1	29.3	00	01	222	05	12	146	76
7 Q	23	53	804	16	15	753	51	19	20	24.8	13	56	10.2	14.6	20	38	212	16	43	196	16
8	06	17	817	16	38	754	63	06	08	31.6	08	09	9.0	22.6	21	51	212	06	20	104	108
9	11	58	808	17	44	750	58	18	30	24.3	14	26	9.0	15.3	20	50	212	06	25	183	29
10	06	51	806	16	07	721	85	17	03	31.3	10	09	3.3	28.0	19	53	226	09	16	74	152
11 D	05	29	799	17	46	712	87	11	48	38.4	09	42	8.3	30.1	18	20	231	05	32	106	125
12	21	56	790	16	12	723	67	17	39	27.9	15	00	11.4	16.5	17	21	220	08	26	185	35
13 Q	23	40	798	16	18	739	59	18	05	26.4	13	26	11.9	14.5	21	28	217	07	35	199	18
14	23	13	821	15	26	742	79	09	45	25.0	15	29	9.4	15.6	18	46	209	04	25	184	25
15	23	59	872	15	28	727	145	23	07	32.0	14	15	5.7	26.3	23	59	420	16	11	189	231
16 D	02	11	1114	05	16	352	762	08	15	50.1	02	18	-9.6	59.7	01	12	548	08	22	-12	560
17	20	43	812	08	50	726	86	08	35	38.7	03	36	-0.7	39.4	20	41	243	08	48	101	142
18	06	04	838	16	48	748	90	06	12	31.5	13	00	10.8	20.7	01	13	219	06	12	108	111
19	09	23	812	14	41	748	64	19	30	25.3	14	40	11.5	13.8	00	10	213	09	42	168	45
20 Q	09	52	808	16	49	748	60	19	15	25.7	14	14	11.8	13.9	03	23	204	15	56	186	18
21	10	05	806	13	19	742	64	06	56	28.0	12	02	12.8	15.2	13	48	210	08	14	173	37
22 Q	23	24	813	16	58	766	47	18	52	24.9	04	27	13.2	11.7	23	24	207	18	59	188	19
23 Q	04	47	817	17	10	749	68	19	33	26.5	14	54	10.5	16.0	23	05	206	05	20	181	25
24	22	48	819	15	44	676	143	16	56	27.7	01	59	0.8	26.9	21	07	211	07	50	176	35
25	06	34	810	16	24	730	80	19	08	28.1	14	00	12.2	15.9	23	02	206	06	48	182	24
26	22	05	810	15	56	740	70	18	15	29.3	13	37	10.3	19.0	00	28	209	09	03	175	34
27	04	36	810	16	48	745	65	19	05	28.7	13	20	9.0	19.7	19	55	207	04	52	161	46
28	21	02	846	16	17	715	131	17	37	33.9	13	06	7.1	26.8	21	00	262	11	01	142	120
29	21	00	836	08	02	726	110	04	13	36.9	00	47	1.5	35.4	00	19	265	07	55	69	196
30	21	46	860	16	02	708	152	17	25	39.5	12	13	9.5	30.0	00	02	295	09	37	192	103
31 D	(22	30	1635)	11	12	242	(1393)	22	32	160.4)	23	25	(-10.8	171.2)	22	40	544	22	30	-410	954
Mean			851			706	145			34.5			6.9	27.5			252			134	118
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 13 Agincourt — H = 15,000 γ + — April 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	841	1105	648	587	668	530	573	719	790	733	652	363	327	236	399	493	682	666	761	876	1048	1115	991	942	698
2	672	640	656	641	637	642	577	664	665	623	605	610	736	755	735	713	709	718	731	749	763	772	781	794	691
3 D	801	801	801	771	658	84	531	591	707	754	775	763	750	746	752	755	761	773	788	780	787	771	774	771	719
4	774	772	775	776	763	768	771	775	773	775	775	771	763	759	750	739	758	755	765	783	831	829	789	771	773
5	788	780	782	787	771	758	784	789	785	778	779	771	760	750	723	688	746	775	787	794	788	778	780	783	771
6	782	782	783	780	779	786	784	769	775	783	785	783	772	759	748	754	754	767	781	810	827	798	777	789	779
7	788	776	782	779	784	777	775	782	782	782	784	780	772	759	737	717	765	764	778	754	805	787	784	782	774
8	783	782	777	762	774	778	761	781	763	757	765	771	762	742	724	717	722	748	781	797	791	794	792	793	767
9 Q	780	780	773	782	780	758	759	777	778	796	791	783	772	763	749	741	743	754	778	796	804	809	806	803	777
10	793	803	806	812	811	784	789	794	801	810	804	781	769	776	763	753	755	767	776	798	829	846	904	905	801
11	778	778	794	769	756	762	773	776	779	782	782	779	772	756	751	743	764	770	771	785	786	798	782	777	773
12	776	735	757	756	742	758	770	764	720	774	790	789	772	767	771	754	760	764	780	798	805	821	789	784	771
13	799	788	806	821	784	762	748	732	769	795	803	800	792	778	767	753	757	761	780	792	803	805	817	795	784
14	781	782	791	801	782	795	794	795	794	797	786	779	791	780	765	749	748	749	763	782	795	800	809	808	784
15	799	798	789	793	793	765	767	782	795	803	808	806	797	780	760	749	766	785	798	811	810	816	807	803	791
16	800	786	788	794	803	811	805	805	807	811	811	797	768	755	725	714	722	737	760	793	786	804	811	808	783
17	768	782	768	779	777	772	768	786	794	780	782	790	778	761	753	739	745	756	776	803	844	820	807	796	780
18	800	764	794	791	785	786	760	793	796	791	779	766	780	771	753	737	737	749	774	795	808	808	809	801	780
19 Q	802	797	795	795	797	794	798	799	798	800	798	796	786	773	755	744	753	768	783	795	803	804	804	800	789
20 Q	800	799	799	799	799	801	800	801	801	801	803	801	791	779	769	759	762	777	788	798	804	803	800	805	793
21 Q	803	804	804	805	803	804	805	805	802	802	802	799	799	798	790	786	788	788	795	810	811	816	816	816	802
22 Q	813	813	814	810	806	809	809	803	806	811	818	816	808	793	777	773	793	805	816	824	829	821	823	820	809
23	818	816	818	818	811	819	819	816	816	818	821	816	811	802	798	795	803	813	826	841	866	879	870	898	825
24 D	1036	939	863	787	734	744	737	651	743	770	760	753	734	675	735	743	753	755	783	800	853	999	960	830	797
25	799	757	753	773	765	692	674	765	661	729	752	744	741	719	707	717	727	773	785	803	858	885	850	804	760
26	765	767	763	764	768	777	769	751	762	772	775	773	765	746	724	724	732	759	782	798	793	789	801	788	767
27	782	778	785	787	790	783	776	788	777	776	771	772	770	748	736	751	767	777	801	809	947	990	1087	1213	823
28 D	1168	1150	1008	700	682	754	732	665	313	598	607	643	642	659	670	692	722	754	777	798	844	816	806	778	749
29	788	786	759	773	750	686	512	622	711	737	770	717	690	732	736	738	735	762	775	790	782	794	808	807	740
30 D	800	798	840	743	784	777	617	658	671	591	704	751	690	568	607	736	696	608	948	853	807	792	648	663	723
31																									
Mean	809	808	789	771	764	737	738	753	751	764	768	755	749	733	731	732	747	757	786	801	824	832	823	818	773

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt — D = 7° W + ... ′ — April 1960

Hour U.T. / Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	35.2	3.0	97.8	38.0	27.8	26.5	19.5	8.4	5.2	1.9	12.2	57.5	48.7	39.8	31.6	16.8	24.5	-29.2	-3.4	22.4	-16.3	-8.0	18.0	15.8	20.6
2	22.6	13.9	11.6	21.4	23.0	22.1	26.7	27.1	34.9	45.6	56.5	37.4	17.4	11.1	14.1	21.2	26.2	28.9	30.8	30.1	28.1	25.1	22.5	19.8	25.8
3 D	18 8	15.7	4.6	15.9	16.4	59.4	30.0	-4.7	17.6	21.2	15.3	13.0	12.6	15.0	19.8	23.1	24.2	27.2	26.5	26.3	23.9	22.7	22.5	22.7	20.4
4	22.6	22.5	22.4	21.6	21.2	20.6	19.7	18.2	17.9	18.7	18.0	15.4	14.2	12.5	16.4	19.1	26.7	27.7	30.3	27.2	22.6	21.3	23.6	23.1	21.0
5	21.4	17.9	20.5	19.3	13.8	22.3	17.6	15.3	11.4	17.5	17.1	15.8	14.8	13.3	17.8	27.4	33.4	34.6	32.8	30.8	26.7	23.9	22.0	21.4	21.2
6	21.2	21.3	21.7	21.4	19.9	21.2	18.2	16.9	17.1	16.7	16.6	15.2	14.6	17.0	18.5	22.9	24.9	29.2	31.7	29.2	28.6	29.2	25.9	23.5	21.8
7	21.4	15.7	18.5	19.8	18.7	21.3	22.3	20.9	18.4	17.1	16.0	13.8	12.5	13.5	16.6	24.5	32.2	28.3	31.0	32.7	25.1	23.2	20.9	21.2	21.1
8	20.9	10.9	18.8	11.4	17.9	19.0	19.1	15.1	13.2	19.4	15.1	11.8	10.8	10.2	13.9	17.9	24.3	28.6	27.1	26.1	24.3	22.2	20.1	19.4	18.2
9 Q	19.8	18.5	15.7	2.9	12.3	14.2	16.7	20.0	21.3	19.6	14.5	11.7	10.1	10.0	12.5	17.5	23.5	26.9	28.7	28.1	25.6	22.7	20.7	19.9	18.1
10	20.8	21.1	20.8	19.9	18.0	21.7	16.8	11.5	14.6	13.5	11.2	14.3	15.9	18.4	15.7	19.9	26.0	27.7	29.0	28.1	26.3	25.7	23.0	10.5	19.6
11	23.2	23.1	21.5	19.9	20.6	21.5	18.0	20.5	20.7	20.5	19.4	14.5	12.3	10.7	11.6	17.9	25.1	26.1	29.1	28.8	27.4	24.6	21.6	17.8	20.7
12	12.3	7.4	5.7	14.9	26.6	19.8	23.3	24.9	22.7	13.8	13.4	13.7	15.0	18.6	19.3	22.7	27.9	28.7	32.1	29.6	28.2	26.1	22.6	22.8	20.5
13	20.0	18.2	7.5	21.4	16.1	5.3	22.6	10.3	20.7	13.8	13.3	12.4	11.5	11.5	14.9	16.4	20.9	26.4	29.6	30.6	30.2	27.3	23.7	20.8	18.6
14	15.4	13.1	19.6	20.9	16.1	18.6	16.9	19.0	20.0	20.0	20.1	19.6	13.1	11.5	11.2	13.3	16.9	21.8	25.1	26.6	26.9	25.8	22.8	20.0	18.9
15	19.8	18.1	17.7	16.7	6.6	5.8	14.9	14.6	14.3	15.3	17.3	17.1	11.6	10.5	11.1	14.0	18.9	21.5	25.3	28.2	27.7	25.6	23.5	21.5	17.4
16	19.8	18.8	18.2	18.2	21.1	18.5	17.0	18.2	19.9	19.8	17.8	18.4	17.2	15.4	22.2	28.7	29.9	35.7	35.2	31.6	30.2	27.5	22.6	19.1	22.5
17	13.2	17.3	4.2	15.9	17.0	16.5	23.8	23.9	21.1	23.6	24.2	14.6	11.0	10.4	13.5	17.6	21.0	27.4	33.0	33.5	32.7	26.9	26.6	24.6	20.6
18	20.5	-5.8	12.2	18.5	18.3	20.8	29.7	24.2	17.0	17.8	19.2	22.1	12.2	9.8	10.3	16.7	23.8	28.9	30.4	28.3	24.5	21.9	20.2	19.5	19.2
19 Q	19.0	20.1	17.9	19.2	17.0	19.7	19.9	20.2	18.9	17.5	16.2	14.6	13.3	14.5	17.0	22.4	27.1	30.2	30.3	27.5	24.7	22.3	21.0	20.7	20.5
20 Q	20.8	20.2	20.1	19.8	19.3	18.9	19.3	18.6	17.6	17.7	16.9	14.3	12.3	11.9	14.0	17.5	22.7	26.5	27.4	28.2	27.0	24.8	22.6	21.5	20.0
21 Q	21.2	20.1	19.7	19.6	19.1	18.4	18.2	17.9	17.1	16.4	15.3	13.3	12.4	12.0	14.1	17.5	21.6	25.4	26.9	26.6	25.7	24.2	21.5	19.2	19.3
22 Q	19.1	19.1	18.8	18.4	18.3	18.1	16.0	15.3	15.2	16.3	15.1	12.8	10.8	10.8	14.3	20.3	24.9	26.7	26.0	24.5	22.4	20.8	19.4	18.6	18.4
23	18.8	18.5	19.3	18.7	13.8	17.0	17.2	16.7	15.9	15.8	13.5	10.7	10.0	11.4	15.9	20.5	24.5	26.8	26.8	24.3	21.2	21.6	20.6	28.9	18.7
24 D	29.3	29.0	16.8	10.3	6.5	11.4	16.8	30.7	20.9	15.6	12.8	10.1	9.4	21.2	23.4	26.8	28.6	31.0	32.5	30.6	27.6	12.0	19.1	19.6	20.5
25	10.8	15.4	10.8	16.1	18.5	35.4	34.5	22.4	31.7	25.7	13.3	18.8	13.9	17.9	20.3	23.0	31.3	27.6	26.9	26.3	23.0	17.6	17.5	17.8	21.5
26	14.2	14.8	12.2	13.9	16.1	19.2	18.0	29.0	17.4	14.9	12.9	10.5	9.2	11.5	18.2	24.4	28.1	31.0	31.7	30.9	27.7	25.3	22.5	15.3	19.5
27	17.4	20.3	21.4	21.7	20.9	17.9	19.4	20.6	15.3	15.7	13.0	9.6	9.7	13.9	18.8	19.3	27.4	29.7	30.8	31.7	32.0	28.7	13.2	11.8	20.0
28 D	19.1	11.5	12.7	34.8	15.5	19.9	7.5	-4.6	26.5	17.6	17.5	12.1	19.8	20.9	20.4	24.4	29.6	30.4	31.9	25.3	18.8	18.9	17.2	17.2	19.4
29	12.0	-3.6	10.5	15.3	-2.9	2.8	27.7	28.4	23.8	13.8	9.5	14.9	21.3	14.4	15.8	20.4	24.5	26.2	26.3	24.0	26.5	24.8	23.1	12.8	17.2
30 D	12.7	18.6	20.0	17.8	18.5	19.8	42.0	22.7	21.8	34.3	19.6	5.8	17.4	0.6	17.1	25.5	-25.8	-24.0	-37.8	2.7	23.9	31.9	25.4	26.6	14.1
31																									
Mean	19.4	15.8	18.6	18.8	17.1	19.8	21.0	18.1	19.0	18.6	17.1	16.2	14.5	14.0	16.7	20.6	23.8	24.5	26.1	27.4	24.8	22.9	21.5	19.8	19.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Agincourt Z = 56,000 γ + April 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	13	8	429	99	61	112	119	200	285	258	205	72	93	155	124	229	346	594	545	372	427	309	338	346	239
2	222	230	214	92	119	116	36	57	79	69	61	163	240	230	231	231	235	238	245	247	246	244	241	240	180
3 D	238	232	249	116	51	-60	13	57	217	242	246	238	225	219	220	225	235	241	244	238	239	235	234	233	193
4	230	228	228	230	230	230	228	227	226	227	227	227	226	220	216	213	223	233	239	235	253	309	271	238	234
5	228	230	229	220	159	147	204	220	217	220	219	219	214	214	203	210	233	228	218	214	218	218	221	220	213
6	221	218	219	218	219	201	197	210	215	219	219	215	212	210	206	207	205	215	221	229	238	253	248	234	219
7	236	236	235	240	222	230	227	223	223	223	223	224	224	221	219	215	224	228	242	267	277	258	252	236	234
8	228	225	186	192	213	220	192	184	203	201	191	205	211	217	220	216	219	223	221	220	221	219	221	226	211
9 Q	225	231	228	179	173	193	182	201	200	191	215	221	221	221	221	226	234	231	230	228	224	221	221	223	214
10	220	221	219	215	207	161	188	192	208	186	197	201	187	180	180	177	186	194	201	217	240	278	351	320	214
11	305	291	300	251	179	172	199	219	217	217	219	221	218	217	214	211	215	212	218	225	224	237	247	259	229
12	226	233	200	181	159	151	157	157	101	193	217	218	212	214	217	207	209	209	215	215	225	242	243	242	202
13	230	231	184	167	192	125	103	90	156	189	215	220	218	218	212	200	197	198	206	212	222	224	228	225	194
14	225	220	217	195	187	193	186	193	203	209	206	204	207	214	210	207	205	202	206	215	219	222	228	228	208
15	221	221	219	207	169	139	211	219	217	212	212	207	203	203	200	202	203	205	200	205	207	212	211	213	205
16	218	225	221	204	176	187	191	203	203	199	197	190	189	190	190	187	191	204	221	248	260	264	253	281	212
17	249	234	210	195	216	205	201	194	188	180	185	210	217	219	219	210	208	215	218	230	253	277	260	235	218
18	235	237	189	210	215	210	139	175	209	213	207	204	211	209	205	201	204	218	219	219	223	223	220	220	209
19 Q	216	213	213	210	204	210	210	207	206	208	210	210	210	207	203	201	203	207	211	211	210	210	211	210	209
20 Q	211	210	208	208	208	207	206	204	206	207	207	207	207	207	204	196	193	193	196	201	206	208	207	207	205
21 Q	206	206	205	204	205	204	204	204	203	204	205	204	201	201	196	194	191	191	198	202	206	208	210	210	203
22 Q	208	207	206	206	204	202	192	199	201	206	208	206	204	203	199	193	193	201	208	213	213	213	211	207	204
23	206	205	205	204	200	204	205	206	206	206	209	204	196	194	193	190	194	195	200	206	219	240	268	328	212
24 D	437	330	344	190	129	222	231	168	190	241	235	231	222	205	221	215	218	231	268	304	309	346	343	299	255
25	119	151	218	254	242	131	90	194	128	155	176	151	163	182	201	222	231	260	275	282	327	329	311	287	212
26	262	241	235	231	216	208	173	144	140	177	202	216	218	216	213	218	220	221	229	243	252	252	254	263	218
27	242	227	221	217	214	211	214	194	213	216	211	208	206	203	195	194	199	201	213	223	275	383	440	488	242
28 D	446	272	214	241	174	250	255	113	56	51	35	84	191	162	184	202	214	254	298	315	291	250	261	257	211
29	298	287	263	253	225	109	13	66	146	182	226	202	189	211	208	211	223	233	249	271	263	250	258	278	213
30 D	267	252	231	142	186	176	70	64	113	147	189	197	115	118	167	239	251	701	614	457	420	357	324	290	254
31																									
Mean	236	225	231	199	185	176	168	173	186	195	199	199	202	203	203	208	217	246	249	245	254	256	260	258	216

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt — April 1960

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	01	12	1328	03	20	63	1265	00	37	185.2	17	14	-52.2	237.4	17	48	698	02	40	-267	965
2	00	01	956	00	34	388	568	10	50	62.8	00	31	-30.3	93.1	00	10	333	10	33	-251	584
3 D	01	58	861	05	45	-253	1114	05	36	96.1	02	51	-22.1	118.2	02	07	314	05	38	-400	714
4	21	18	814	15	46	719	95	18	23	31.7	13	40	8.6	23.1	21	32	346	15	25	205	141
5	20	01	814	15	21	657	157	16	23	36.7	13	05	6.0	30.7	16	47	242	05	33	92	150
6	20	50	840	16	30	724	116	18	20	32.3	12	20	13.8	18.5	21	43	261	05	57	172	89
7	20	54	828	15	25	688	140	16	38	36.0	04	07	6.3	29.7	20	25	281	04	10	185	96
8	02	07	821	15	36	712	109	17	07	29.5	01	53	-10.6	40.1	01	37	240	07	02	147	93
9 Q	22	05	813	15	58	738	75	08	55	36.4	03	18	-11.3	47.7	02	12	237	03	27	151	86
10	22	52	1093	15	35	745	348	18	42	30.7	23	23	-0.9	31.6	22	50	510	05	15	123	387
11	02	17	809	15	19	720	89	00	17	29.5	23	59	4.0	25.5	00	23	327	04	22	139	188
12	21	43	847	04	23	640	207	04	22	44.2	02	13	-5.8	50.0	00	01	296	08	18	55	241
13	02	48	848	07	49	702	146	06	24	40.7	05	54	-8.0	48.7	22	02	241	06	17	54	187
14	22	59	828	16	52	739	89	20	32	27.5	01	15	8.4	19.1	23	20	235	03	55	173	62
15	19	48	823	15	26	738	85	19	29	29.3	04	54	-6.2	35.5	02	12	224	05	12	81	143
16	23	48	824	15	39	700	124	17	08	39.4	23	59	8.2	31.2	23	55	357	04	08	160	197
17	20	38	857	16	13	729	128	18	54	34.9	02	59	-4.7	39.6	00	01	309	09	30	168	141
18	00	48	814	07	02	724	90	06	56	34.0	01	40	-14.4	48.4	01	10	279	06	56	77	202
19 Q	00	34	808	15	25	742	66	18	02	30.8	12	42	12.4	18.4	00	33	220	04	18	199	21
20 Q	23	33	806	15	44	755	51	19	44	28.8	13	36	11.3	17.5	00	10	212	17	06	191	21
21 Q	23	56	819	17	25	780	39	19	18	27.4	13	30	11.3	16.1	23	57	213	17	09	186	27
22 Q	20	13	832	15	22	761	71	17	15	27.1	13	02	9.7	17.4	19	50	216	16	15	188	28
23	23	21	907	15	52	790	117	23	46	39.8	13	05	9.3	30.5	23	59	401	15	30	190	211
24 D	00	39	1199	03	44	551	648	03	45	67.2	04	00	-22.7	89.9	00	35	493	03	42	-232	725
25	21	12	914	06	11	616	298	01	13	73.2	00	28	-19.6	92.8	21	05	390	01	08	-120	510
26	22	42	808	14	30	715	93	07	28	33.2	12	28	8.8	24.4	23	25	279	08	02	121	158
27	23	00	1351	14	10	731	620	21	24	35.7	23	04	-7.6	43.3	23	59	727	07	30	183	544
28 D	01	17	1252	08	32	24	1228	03	28	74.3	08	56	-22.0	96.3	00	02	529	08	29	-86	615
29	23	53	828	06	45	190	638	06	46	75.9	04	44	-20.2	96.1	02	30	359	06	42	-135	494
30 D	18	28	1048	13	10	-48	1096	06	09	78.0	17	10	-97.2	175.2	17	45	875	13	09	-228	1103
31																					
Mean			913			583	330			48.3			-7.9	56.2			355			51	304
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 17 Agincourt — H = 15,000 γ + — May 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	670	727	757	721	718	709	734	734	724	750	740	737	721	712	715	723	735	747	756	759	774	793	795	768	738
2	768	770	762	761	759	772	766	762	769	761	752	745	752	745	748	746	768	779	784	785	778	786	796	791	765
3	783	786	787	793	797	793	785	790	783	773	760	772	771	753	751	772	790	799	803	808	804	800	796	797	785
4 Q	799	798	798	799	799	800	804	803	801	803	805	800	792	782	777	774	783	791	805	824	827	816	790	793	798
5	799	805	804	805	808	809	809	808	810	809	803	800	786	780	771	775	783	800	805	811	828	806	808	824	802
6 D	787	807	804	818	812	818	801	803	791	795	788	782	750	748	753	753	757	777	791	797	800	938	935	844	802
7 D	797	785	804	770	555	635	746	807	812	795	802	798	771	755	766	769	757	771	774	790	826	803	832	820	772
8 D	857	853	846	834	846	800	779	669	842	221	732	734	689	655	630	625	715	792	793	828	799	807	790	816	748
9	799	792	793	786	784	790	793	792	805	800	798	802	780	763	767	753	775	780	796	799	791	791	797	797	788
10	802	795	793	785	791	791	793	802	804	797	800	794	778	790	777	762	780	798	808	823	824	850	811	791	797
11	788	785	791	800	809	784	793	720	661	800	823	806	796	796	779	767	788	803	823	838	826	869	803	807	794
12	800	800	801	807	808	801	797	775	771	786	768	781	757	761	744	737	746	762	772	800	811	822	840	820	786
13	807	809	802	802	803	810	812	810	806	802	809	809	802	775	755	753	770	790	802	815	825	854	838	814	807
14	802	809	804	803	794	780	799	798	788	793	795	802	792	789	785	780	784	795	809	820	823	815	818	820	800
15	815	811	809	808	803	805	805	808	805	806	799	781	787	789	792	783	787	796	808	818	821	819	815	815	803
16	815	810	807	806	809	812	809	810	815	809	808	820	822	812	800	746	801	803	812	832	895	846	860	846	817
17	819	820	827	814	820	815	830	818	812	806	800	805	811	799	795	778	789	809	815	812	809	804	808	813	809
18 Q	814	815	807	809	820	809	807	807	809	807	807	805	800	790	796	804	822	835	843	841	835	824	817	816	813
19 Q	812	811	814	815	817	818	822	822	814	821	815	809	802	795	789	791	802	812	827	838	835	835	829	827	816
20 Q	822	817	817	818	819	817	817	819	823	823	823	820	815	806	801	802	809	819	840	848	847	840	830	822	821
21	821	822	819	822	822	825	827	821	821	821	824	820	817	800	804	804	817	834	843	846	846	832	827	826	823
22 Q	825	822	823	822	823	819	819	818	821	820	821	821	813	804	795	793	802	820	840	851	859	849	844	833	823
23	836	835	835	834	834	840	837	834	830	832	835	835	834	825	790	777	790	807	818	853	916	828	848	804	829
24	822	808	798	780	790	780	741	749	786	765	752	763	776	786	781	770	778	788	797	818	826	843	845	824	790
25	799	797	804	800	817	802	802	802	789	786	800	801	801	782	772	774	799	797	801	831	833	840	842	833	804
26	810	804	798	776	787	807	800	796	801	799	792	787	772	767	755	752	759	780	797	823	832	827	845	858	797
27	817	817	811	776	791	799	794	790	792	791	791	790	787	778	772	758	767	777	789	802	828	852	838	800	796
28	807	808	806	811	811	812	799	810	800	796	802	800	792	776	764	756	773	790	802	817	881	880	865	896	811
29 D	910	848	884	837	809	800	801	799	809	821	825	821	822	823	802	780	814	825	847	843	850	819	833	846	828
30	837	829	822	825	819	816	822	826	824	826	827	806	779	769	730	732	777	801	820	827	830	830	817	815	809
31	915	806	804	815	811	812	816	821	827	828	831	831	823	820	812	802	812	829	846	857	871	862	865	845	827
Mean	808	806	807	802	796	796	799	794	798	782	798	796	787	778	770	764	782	797	809	821	831	832	828	820	800

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt D = 7° W + ... ′ May 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	22.8	10.6	21.8	22.2	23.1	22.3	23.1	22.6	18.6	23.8	20.2	17.4	20.3	21.7	22.0	26.5	29.7	28.3	27.9	28.3	26.0	19.8	20.8	23.0	22.6
2	22.0	20.1	18.5	21.6	27.6	22.5	23.9	24.5	23.4	21.4	19.8	22.7	19.6	20.0	22.7	26.5	30.0	29.8	27.6	24.5	24.2	23.1	22.2	22.3	23.4
3	22.4	21.5	20.8	19.7	20.5	20.5	19.6	19.8	16.5	16.6	22.1	15.8	14.4	16.5	20.0	23.6	24.8	27.1	25.5	24.2	22.8	21.9	20.8	21.2	20.8
4 Q	21.2	21.0	21.3	21.0	21.0	20.4	18.7	18.2	18.6	17.4	15.6	14.4	14.8	14.1	16.4	20.3	24.3	26.2	25.7	24.6	24.1	22.9	22.8	21.0	20.3
5	21.0	20.9	20.3	19.5	19.1	17.5	19.6	21.8	22.8	18.4	13.4	10.8	11.3	14.4	16.3	21.2	24.7	25.9	25.0	24.7	22.8	21.2	20.7	19.7	19.7
6 D	17.2	17.8	19.9	18.3	22.8	18.7	29.2	20.1	21.8	13.6	9.2	4.5	12.4	16.1	18.4	24.5	29.3	22.9	21.1	30.7	35.2	29.7	15.9	19.7	20.4
7 D	17.5	3.7	11.4	12.2	40.9	31.9	23.0	15.9	15.6	16.5	17.0	12.3	9.5	15.6	19.6	22.7	26.6	30.4	31.1	26.2	24.1	23.9	19.4	11.8	20.0
8 D	15.1	20.4	20.2	17.3	18.6	25.5	21.0	15.1	10.9	33.0	3.8	2.0	12.0	28.3	31.8	53.5	36.0	25.9	29.1	26.8	25.8	23.3	20.8	20.2	22.4
9	22.9	23.3	22.5	21.2	20.1	17.8	16.4	17.8	18.3	15.6	12.1	11.8	15.8	16.7	21.3	23.7	23.5	24.7	23.1	21.2	21.0	21.1	20.6	21.0	19.8
10	20.7	21.3	19.3	19.3	19.8	19.7	20.3	20.7	23.2	20.1	16.0	16.6	17.0	14.4	16.9	22.6	25.6	27.3	27.6	24.9	23.8	20.7	18.2	18.9	20.6
11	16.4	16.4	12.5	19.0	17.0	20.7	20.7	13.1	35.6	9.5	12.4	13.0	10.6	13.9	19.4	23.8	27.4	28.0	26.7	24.6	25.1	21.8	19.7	19.8	19.5
12	21.1	21.1	19.3	21.1	21.2	23.4	19.2	17.6	28.8	20.7	23.0	15.3	18.9	14.2	17.9	21.9	24.0	28.8	28.4	27.2	27.3	25.6	22.8	21.2	22.1
13	20.9	21.9	20.3	18.9	19.3	18.9	16.6	17.0	17.7	16.9	15.2	13.0	11.7	11.9	14.4	20.5	23.6	24.7	25.7	25.3	24.0	21.1	20.6	19.3	19.1
14	21.0	19.8	19.8	17.0	16.6	10.7	14.0	18.8	18.7	21.1	12.6	9.6	11.1	14.6	18.0	19.2	24.4	25.8	26.4	25.6	24.2	23.3	21.6	20.9	18.9
15	20.7	20.8	20.6	20.1	16.2	18.0	20.2	20.1	24.9	23.7	18.8	17.4	15.7	17.1	20.8	23.4	25.4	27.9	28.0	27.2	25.1	22.5	20.7	19.1	21.4
16	19.5	20.4	20.7	21.1	21.4	24.0	22.5	18.9	17.8	19.3	17.5	14.0	11.5	11.5	7.8	13.7	23.9	33.0	27.4	25.3	25.5	25.7	22.2	21.1	20.2
17	19.9	18.8	20.0	19.1	18.3	17.7	17.3	16.2	17.6	17.1	19.8	12.0	10.2	15.6	20.5	20.2	25.3	24.3	22.0	22.3	22.2	21.8	20.8	19.9	19.1
18 Q	20.3	19.8	17.4	17.9	19.7	19.3	17.9	17.6	17.6	16.5	15.3	13.4	13.9	16.3	18.9	21.1	25.7	25.9	25.3	23.1	21.0	20.1	19.9	19.1	19.3
19 Q	18.0	19.8	19.8	20.3	20.2	19.4	19.2	20.5	18.3	18.6	13.6	11.5	11.0	13.4	17.7	21.7	23.9	25.4	24.8	22.5	20.3	19.1	17.8	17.3	18.9
20 Q	18.3	19.3	20.0	19.4	16.5	17.6	19.6	19.5	19.3	17.5	15.5	12.5	11.7	14.2	17.3	21.9	24.8	25.8	25.7	24.9	22.6	20.9	18.8	18.2	19.2
21	17.7	18.5	19.7	20.4	20.0	19.3	17.0	16.7	18.0	18.0	12.8	9.2	9.0	11.9	18.8	23.9	25.7	27.6	26.3	24.3	22.3	22.1	20.1	19.6	19.1
22 Q	19.9	20.2	20.1	19.9	20.2	19.9	19.3	18.6	18.5	16.7	14.5	11.9	10.3	11.0	13.0	19.4	25.8	30.7	32.7	30.3	26.6	23.6	21.2	19.7	20.2
23	19.2	20.3	19.8	19.7	19.4	18.8	18.1	17.1	17.0	14.3	11.9	7.8	5.8	6.1	9.4	14.6	26.7	30.6	34.9	30.4	27.1	21.1	21.2	23.1	18.9
24	19.9	19.8	16.5	11.7	13.0	17.1	17.0	15.7	15.6	15.3	17.8	17.6	13.9	11.0	12.4	19.1	26.3	29.1	29.2	30.4	23.8	22.0	20.2	17.4	18.8
25	15.5	17.0	15.2	10.7	12.9	14.2	15.3	16.6	17.5	19.2	15.9	10.5	10.8	14.3	23.1	23.2	28.1	32.1	33.2	28.9	25.7	22.1	20.2	20.8	19.3
26	15.3	18.8	18.5	23.2	12.9	16.4	24.4	16.5	18.0	16.2	15.3	14.1	13.1	14.5	18.0	23.6	29.2	31.4	30.3	27.9	26.9	25.8	21.5	18.6	20.4
27	17.7	18.6	11.3	16.2	18.7	21.3	21.4	20.3	18.9	16.5	13.5	11.2	11.1	12.1	14.3	18.5	24.5	27.6	29.3	32.4	29.5	25.1	23.3	22.5	19.8
28	21.8	20.9	14.6	18.5	20.1	18.8	17.6	18.4	18.2	15.5	13.5	11.5	10.3	11.5	14.8	19.2	24.0	27.2	29.1	27.2	25.4	25.0	23.0	22.6	19.5
29 D	9.5	8.5	7.1	17.4	18.4	20.0	17.5	16.0	13.3	11.7	10.1	9.4	9.1	10.6	15.6	18.4	24.4	25.3	23.6	22.1	22.9	27.5	24.0	20.3	16.8
30	19.5	19.9	19.6	19.8	19.3	16.8	19.0	17.4	22.8	17.0	15.2	20.7	28.0	20.8	29.5	28.0	30.4	29.4	26.6	25.6	22.3	20.5	18.0	17.9	21.8
31	18.9	17.7	16.5	15.9	18.6	17.9	18.9	19.5	17.6	15.7	9.8	8.2	7.7	10.0	13.7	19.9	23.8	27.5	27.7	27.1	25.8	23.9	23.0	23.6	18.7
Mean	19.2	18.7	18.2	18.7	19.8	19.6	19.6	18.3	19.4	17.8	14.9	12.6	13.0	14.6	18.1	22.6	26.2	27.6	27.3	26.2	24.7	22.8	20.7	20.0	20.0

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Agincourt — Z = 56,000 γ + — May 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	277	237	222	211	217	229	244	236	221	217	227	231	231	229	236	239	239	245	253	263	269	286	262	248	240
2	245	243	243	211	181	219	219	226	233	231	230	222	223	226	225	214	212	212	214	227	236	239	239	233	225
3	230	230	228	221	211	208	216	205	200	209	214	212	217	216	218	217	221	222	223	227	236	235	231	226	220
4 Q	223	223	223	222	223	223	217	217	220	221	224	223	217	214	211	205	199	197	208	223	233	242	238	233	220
5	226	223	223	223	220	214	214	205	198	205	211	217	213	208	202	199	205	208	213	220	228	232	233	233	216
6 D	234	229	223	220	196	206	171	176	181	160	147	171	175	172	178	181	189	213	279	342	307	347	438	374	230
7 D	309	297	205	195	97	110	166	211	223	216	219	211	203	196	208	211	217	227	241	252	269	258	292	275	221
8 D	247	234	229	219	177	104	50	-97	139	-141	127	202	171	61	80	124	257	231	245	254	249	250	247	257	163
9	244	237	232	228	227	221	225	230	223	222	217	216	208	205	208	208	221	227	238	241	242	242	232	227	226
10	226	226	223	227	223	221	220	214	204	208	215	214	201	202	201	204	209	214	217	224	230	245	242	239	219
11	241	232	221	218	197	24	121	45	-19	152	211	217	207	208	207	214	227	232	230	239	235	254	247	233	191
12	225	223	221	197	152	139	158	162	163	186	175	194	195	206	214	217	220	214	217	225	226	229	236	231	201
13	227	223	223	216	215	209	202	207	217	217	220	219	218	215	215	214	211	216	223	232	241	252	256	247	222
14	235	221	205	214	207	191	195	189	180	156	197	208	202	199	199	197	205	210	211	211	221	221	224	221	205
15	220	218	216	217	214	211	212	212	205	195	199	195	197	201	202	197	205	214	220	230	236	233	231	228	213
16	225	223	220	219	214	199	197	210	213	207	202	205	203	204	198	191	197	205	215	228	244	239	242	238	214
17	228	229	220	217	215	211	203	192	205	207	199	199	196	199	192	186	195	202	206	213	220	222	223	221	208
18 Q	217	217	215	213	205	203	197	211	213	213	213	211	208	205	205	200	208	217	222	223	223	223	221	221	213
19 Q	222	220	217	213	212	209	194	199	204	202	208	211	208	205	199	191	197	205	211	219	223	221	219	217	209
20 Q	214	212	210	208	202	205	211	211	211	214	216	214	212	213	210	203	202	211	217	220	222	219	219	213	212
21	212	211	209	209	208	208	207	206	207	203	202	200	200	199	199	198	199	202	209	213	219	216	213	211	207
22 Q	207	207	207	207	207	207	207	207	208	210	210	208	211	211	205	203	203	201	202	202	205	207	207	203	206
23	203	202	202	202	202	203	202	202	202	208	208	206	205	202	202	203	205	202	211	230	258	253	236	225	211
24	230	236	225	175	183	144	-1	125	181	158	175	181	181	193	205	209	225	224	223	231	265	272	294	319	202
25	310	269	240	207	182	193	197	217	214	211	211	217	217	213	208	215	221	221	227	239	244	253	261	266	227
26	272	251	225	195	214	205	191	168	186	206	214	211	208	211	209	211	214	223	237	247	249	250	257	268	222
27	267	244	263	200	230	229	226	226	224	225	224	221	221	221	218	220	220	214	219	232	244	251	249	236	230
28	227	224	218	214	215	211	208	200	195	210	217	217	212	207	200	197	201	199	203	211	230	232	236	251	214
29 D	322	194	300	311	249	231	211	223	220	218	217	214	209	210	204	202	202	194	199	217	247	237	227	221	228
30	216	214	211	211	205	203	201	191	175	183	199	186	135	155	153	168	187	202	208	214	219	223	220	217	196
31	217	219	215	206	206	205	207	211	212	218	216	212	209	202	194	187	186	187	187	197	211	219	222	222	207
Mean	239	228	224	214	203	193	190	188	195	192	205	209	204	200	200	201	210	213	220	231	238	242	245	240	214

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Agincourt — May 1960

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	21	57	826	00	24	652	174	02	45	35.2	01	05	-5.5	40.7	00	58	304	02	40	156	148
2	22	50	803	13	19	736	67	04	23	34.6	02	00	17.3	17.3	00	17	248	04	25	148	100
3	19	11	816	14	28	735	81	17	35	27.6	11	57	13.3	14.3	20	30	239	08	22	194	45
4 Q	20	46	839	15	03	762	77	17	26	27.3	13	54	13.6	13.7	21	42	246	17	10	194	52
5	22	08	846	14	39	762	84	17	49	26.6	11	44	9.4	17.2	22	06	247	08	40	194	53
6 D	22	34	1043	13	15	729	314	20	00	39.9	10	54	-3.0	42.9	22	33	501	10	26	127	374
7 D	23	12	884	04	35	345	539	04	30	68.8	02	20	-2.9	71.7	00	01	357	04	32	-35	392
8 D	19	45	939	09	24	-267	1206	09	29	117.0	09	46	-26.6	143.6	09	33	415	09	15	-428	843
9	05	11	844	15	21	740	104	17	15	26.2	11	02	7.6	18.6	00	01	256	12	50	200	56
10	21	36	869	15	49	754	115	18	44	28.9	13	40	13.2	15.7	21	37	253	12	38	191	62
11	21	27	902	07	54	521	381	08	41	58.6	09	05	-5.6	64.2	21	26	269	08	06	-133	402
12	22	25	851	16	09	715	136	08	28	31.5	13	40	11.6	19.9	23	52	238	07	57	131	107
13	21	15	874	14	53	745	129	20	05	27.4	13	35	10.1	17.3	22	45	260	05	43	195	65
14	20	16	836	05	34	769	67	09	03	36.5	05	46	6.2	30.3	00	01	238	09	14	122	116
15	19	59	827	11	44	766	61	18	43	29.1	04	37	14.2	14.9	20	10	238	11	37	189	49
16	20	40	977	15	25	698	279	17	37	39.2	15	33	1.9	37.3	20	40	277	15	26	171	106
17	06	32	860	16	01	771	89	16	50	27.7	11	32	7.0	20.7	01	00	231	07	11	177	54
18 Q	18	55	847	13	45	783	64	17	49	26.8	03	03	12.7	14.1	18	51	227	06	18	190	37
19 Q	19	30	841	14	28	785	56	18	03	25.9	11	44	10.1	15.8	20	15	225	06	21	186	39
20 Q	19	55	853	15	36	797	56	18	45	26.4	12	25	11.2	15.2	19	57	223	04	56	195	28
21	18	48	853	13	38	787	66	17	23	28.4	12	07	8.2	20.2	20	26	223	16	28	195	28
22 Q	20	05	865	15	47	789	76	18	49	33.2	14	47	9.5	23.7	07	03	211	19	00	198	13
23	20	35	975	14	50	719	256	18	53	36.9	12	46	3.8	33.1	21	00	278	14	48	180	98
24	22	51	860	06	25	686	174	19	15	32.9	06	33	-1.5	34.4	23	05	324	06	16	-48	372
25	21	48	859	14	01	753	106	18	15	34.8	03	53	-0.7	35.5	00	01	323	04	24	168	155
26	23	18	897	14	51	748	149	16	55	32.6	00	29	7.4	25.2	01	17	305	03	19	133	172
27	21	50	866	15	21	752	114	19	21	33.6	02	44	1.0	32.6	02	37	288	03	04	126	162
28	22	22	962	15	40	751	211	18	22	29.4	02	19	7.8	21.6	20	21	269	08	22	190	79
29 D	02	49	958	15	06	737	221	01	50	35.7	00	46	-40.5	76.2	00	41	464	01	17	122	342
30	21	33	856	15	28	715	141	12	12	33.1	09	48	13.4	19.7	21	33	229	12	18	122	107
31	20	45	897	15	25	797	100	17	57	28.5	12	19	3.9	24.6	22	34	226	16	46	181	45
Mean			878			695	184			36.1			4.1	32.0			278			127	152
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 21 Agincourt — H = 15,000 γ + — June 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	837	816	801	789	790	770	767	767	746	770	753	748	752	743	782	781	782	795	810	827	825	822	825	820	788
2 Q	821	821	815	812	812	814	818	817	821	822	817	817	812	807	805	809	812	817	830	833	830	828	821	817	818
3	820	822	818	819	818	818	819	819	822	825	827	830	821	812	804	807	815	825	838	851	860	836	842	850	826
4 D	834	817	825	838	656	781	588	543	706	750	790	790	796	780	748	759	761	789	809	830	835	878	828	842	774
5	850	794	771	719	779	740	650	702	707	719	728	731	738	759	760	746	755	778	796	803	829	847	834	845	766
6	822	803	811	782	784	799	800	796	781	796	762	744	774	783	788	763	777	790	807	828	833	834	833	843	797
7	815	815	814	797	807	815	828	822	803	779	812	807	803	792	782	775	777	785	803	830	859	849	838	825	810
8	818	819	816	796	768	792	817	809	797	818	802	793	789	784	782	781	776	774	792	841	853	873	891	849	810
9	836	805	789	796	822	772	785	805	790	797	795	792	790	766	771	773	774	793	823	832	845	845	834	822	802
10 Q	818	815	810	814	819	821	820	818	814	815	817	815	806	790	778	750	734	806	831	844	861	835	830	823	812
11 Q	820	821	814	816	818	817	819	819	819	822	812	815	806	795	785	773	790	804	821	832	837	832	832	830	815
12 Q	826	824	828	826	828	826	827	829	825	826	825	823	813	809	802	795	800	810	821	821	821	836	836	836	821
13	836	836	825	826	825	826	831	834	831	827	829	829	821	803	791	799	816	843	852	852	844	840	835	831	828
14	832	837	832	833	833	835	841	826	823	828	827	812	810	807	816	801	794	802	825	841	850	830	827	826	824
15	826	825	816	822	821	820	823	827	821	816	821	810	801	821	820	797	781	800	825	831	835	831	830	831	819
16 Q	825	826	828	823	815	823	822	821	818	816	815	816	812	807	806	806	806	807	834	852	852	842	836	833	823
17	826	832	822	821	821	824	824	820	820	821	825	821	814	804	795	782	786	816	835	840	846	842	826	823	820
18	843	836	825	830	827	831	825	824	825	826	813	815	826	816	819	815	817	820	833	860	852	856	858	844	831
19	848	852	836	816	807	797	822	802	778	804	792	795	804	776	768	774	787	807	823	833	824	817	823	822	809
20	819	818	810	810	802	808	802	815	816	818	818	812	805	787	790	790	807	812	824	835	841	848	846	837	815
21	831	820	819	808	802	808	801	801	796	782	800	797	801	801	802	788	773	796	814	826	847	855	840	828	810
22	824	837	836	819	820	816	816	807	802	804	804	800	791	801	801	794	801	818	831	857	849	833	853	851	819
23	837	821	810	820	819	800	807	815	819	816	820	816	798	787	796	791	793	808	821	826	827	827	836	835	814
24	831	831	823	822	821	826	826	823	801	803	807	806	804	802	808	803	815	827	838	854	845	849	844	846	823
25	829	832	837	832	827	826	825	826	822	818	820	819	798	785	792	789	807	822	843	853	856	898	871	836	828
26	824	817	793	793	800	791	791	764	757	801	805	801	794	797	791	791	810	819	832	852	854	837	831	838	808
27 D	857	845	835	656	741	683	782	788	780	691	771	796	792	789	786	777	760	768	821	815	843	866	907	855	792
28 D	809	825	813	806	800	827	834	821	813	824	804	731	777	788	773	762	751	760	775	812	853	884	860	861	807
29 D	822	808	817	839	813	801	810	781	800	817	818	817	811	806	791	779	779	799	833	858	865	941	959	977	831
30 D	913	808	771	724	761	792	791	787	761	767	750	764	775	773	768	757	766	797	807	863	872	803	832	821	793
31																									
Mean	832	823	815	803	802	803	800	798	797	801	803	799	798	792	790	784	787	803	822	838	845	847	845	840	811

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt D = 7° W + ... ′ June 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	22.0	19.3	18.8	14.8	11.3	18.1	16.6	11.5	12.5	18.6	22.2	22.3	23.0	15.8	15.9	15.9	18.1	22.4	25.8	24.3	24.9	22.6	20.6	20.5	19.1
2 Q	21.0	21.0	19.9	19.8	19.8	19.7	20.3	19.5	18.3	15.8	14.0	12.5	12.8	13.4	15.7	18.0	20.3	21.7	22.6	23.0	22.9	22.3	21.6	20.8	19.0
3	20.2	19.9	20.5	20.5	20.3	19.9	19.3	18.8	18.4	17.6	15.3	13.5	11.5	11.3	15.9	19.8	22.0	22.3	24.9	25.5	25.1	25.1	21.4	20.2	19.5
4 D	20.5	18.8	17.0	18.1	14.1	5.6	16.8	29.7	0.3	1.0	5.0	10.6	9.9	13.9	17.5	20.1	25.0	28.0	27.0	27.1	23.9	17.6	21.9	19.6	17.0
5	17.0	12.9	13.8	19.5	19.3	7.1	27.1	15.4	29.7	32.9	29.8	25.4	23.5	18.4	16.0	17.6	21.3	23.5	22.0	23.1	21.3	20.2	18.0	16.2	20.5
6	16.6	12.5	10.3	16.9	14.2	28.1	26.8	21.7	17.5	16.0	19.0	27.7	16.2	18.7	15.9	17.8	24.5	26.4	27.5	25.9	24.0	21.2	18.4	16.0	20.0
7	18.6	16.6	14.3	15.8	17.6	18.2	18.8	20.8	20.2	16.7	12.5	11.1	9.9	9.8	15.7	21.3	26.1	28.1	28.1	29.2	24.6	21.8	18.1	17.5	18.8
8	18.3	19.0	19.9	14.1	16.4	16.2	17.7	17.8	23.2	26.5	12.5	9.1	9.2	10.9	13.1	15.7	22.6	25.2	28.0	24.5	21.2	17.8	13.2	14.2	17.4
9	14.0	11.8	18.3	16.3	16.8	18.9	25.4	19.7	17.7	16.0	16.0	14.7	13.4	13.2	20.0	22.1	28.0	29.2	28.5	26.4	24.6	22.6	19.9	18.8	19.7
10 Q	19.5	19.6	17.7	20.7	20.4	19.9	19.7	19.5	18.6	16.6	13.7	11.2	10.7	12.2	14.9	21.2	25.3	28.2	28.1	28.3	26.2	16.7	22.1	18.9	19.6
11 Q	18 9	18.1	13.5	18.1	19.9	20.4	20.5	21.7	20.6	18.0	15.1	13.2	11.2	10.9	12.5	16.5	22.7	26.5	26.4	25.9	24.1	22.5	21.2	19.7	19.1
12 Q	19.5	20.2	20.4	19.9	19.4	19.0	17.0	17.7	16.6	16.0	14.8	13.3	10.2	9.0	11.3	16.2	21.3	23.5	26.8	29.3	28.1	25.4	23.8	21.6	19.2
13	20.4	18.5	18.8	19.2	19.6	19.6	19.8	19.8	17.0	15.7	12.7	10.8	11.2	11.1	12.3	17.2	21.9	23.9	23.7	22.5	22.6	21.6	20.0	19.2	18.3
14	18.4	17.0	15.2	17.7	18.9	19.8	18.7	18.0	19.4	17.0	14.3	17.7	21.8	20.6	21.7	19.7	22.3	26.3	24.4	21.7	10.2	20.7	20.4	19.9	19.2
15	18.9	17.7	15.1	19.7	20.3	20.3	20.7	20.7	29.2	16.9	13.0	11.3	12.1	11.1	13.2	16.8	19.9	23.2	25.1	26.1	25.5	21.6	19.7	16.4	18.9
16 Q	17.7	18.2	16.6	13.5	17.5	19.8	19.4	17.9	18.9	17.7	15.7	13.7	14.3	16.1	17.8	21.2	23.6	24.3	24.9	22.3	20.0	19.4	19.0	19.0	18.7
17	18.5	17.1	19.4	20 8	20.5	20.6	19.8	19.5	18.5	16.7	15.1	14.0	12.1	13.3	15.6	18.6	21.7	27.8	25.2	21.9	20.6	19.8	20.0	20.0	19.1
18	18.8	17.6	16.2	20.1	20.7	19.9	15.2	18.1	18.1	14.3	15.0	17.7	12.8	14.0	21.1	21.9	23.5	25.8	27.7	25.1	21.7	19.5	17.8	18.5	19.2
19	20.0	18.3	17.9	15.4	16.7	13.5	17.0	12.5	12.5	20.4	12.6	14.4	9.4	12.1	20.1	25.3	27.0	27.0	26.1	23.2	23.3	21.8	20.0	18.7	18.6
20	19.0	18.0	15.8	15.4	18.0	15.8	18.9	21.3	18.9	17.2	12.8	11.5	11.5	14.9	16.6	20.0	23.4	23.5	24.2	22.6	20.6	19.8	18.9	17.8	18.2
21	17.3	16.8	17.8	13.7	15.0	18.7	10.9	10.3	9.1	6.8	5.2	4.3	8.2	10.8	13.0	17.0	23.2	27.8	27.1	27.2	24.5	23.8	23.1	22.6	16.4
22	20.9	20.9	20.3	19.0	22.9	24.6	12.2	14.7	14.0	12.2	7.6	5.8	6.6	9.0	9.8	14.5	20.9	24.8	27.3	25.9	24.7	24.4	22.3	21.7	17.8
23	20.7	16.2	17.9	19.3	18.4	20.0	13.8	16.2	16.8	15.0	11.8	9.1	9.1	9.8	13.7	16.1	22.6	23.0	24.0	25.3	25.6	25.9	24.4	21.4	18.2
24	20.1	18.9	19.0	17.1	17.3	19.6	18.9	16.5	13.2	12.5	10.4	11.3	11.2	10.9	14.0	16.1	21.0	19.5	21.9	24.2	23.5	24.1	24.1	22.6	18.8
25	22.6	22.5	19.0	17.3	18.6	18.4	19.5	20.0	17.6	19.6	15.4	12.6	11.7	17.9	17.3	16.3	23.3	22.5	16.8	27.9	25.3	20.2	18.9	19.0	19.2
26	17.6	16.4	6.9	15.2	15.2	22.7	20.9	16.7	25.7	17.8	14.6	12.5	13.2	15.0	15.5	17.0	21.1	23.6	25.6	25.3	23.5	23.6	29.4	22.4	19.1
27 D	19.9	19.7	14.7	37.6	19.5	9.8	9.1	13.1	17.8	31.1	19.1	21.0	11.2	11.9	14.4	18.6	18.8	25.9	29.8	33.4	33.4	31.3	18.1	24.4	21.0
28 D	26.3	24.5	24.7	21.7	21.4	19.2	16.9	17.9	18.2	15.1	12.2	14.7	10.2	7.5	10.7	15.6	20.6	24.9	27.7	24.9	21.9	20.0	21.5	20.0	19.1
29 D	22.8	20.8	15.7	21.0	17.1	14.0	20.9	19.3	11.8	14.5	10.7	8.2	7.0	7.9	11.0	16.8	22.0	24.4	23.9	22.6	23.6	17.8	21.5	21.4	17.4
30 D	7.7	15.3	13.9	15.3	7.3	16.7	21.6	22.0	24.4	22.0	18.9	15.3	11.3	10.6	12.2	15.0	19.1	18.2	26.4	25.4	24.1	28.2	23.6	21.8	18.2
31																									
Mean	19.1	18.1	17.0	18.4	17.8	18.1	18.7	18.3	17.8	16.8	14.2	13.7	12.2	12.7	15.2	18.2	22.4	24.7	25.6	25.3	23.5	22.0	20.8	19.7	18.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 23 Agincourt $Z = 56,000\ \gamma +$ June 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	230	231	238	221	211	97	141	164	139	142	99	119	151	172	195	205	213	211	211	219	223	218	217	217	187
2 Q	213	211	211	211	211	209	208	211	211	211	213	211	207	202	202	200	197	199	199	203	205	205	206	208	207
3	211	208	208	208	207	207	207	207	208	208	211	211	208	204	196	193	190	188	193	202	209	217	229	233	207
4 D	237	244	244	184	-22	199	181	225	214	203	234	230	223	221	219	222	224	223	223	228	222	250	242	245	213
5	291	263	227	121	138	144	136	110	101	121	89	122	138	168	202	228	239	241	238	244	255	242	238	237	189
6	239	237	193	169	200	180	163	167	189	213	187	164	189	206	213	221	233	234	231	235	238	235	233	236	209
7	232	230	224	224	218	209	195	202	193	183	209	220	214	208	208	216	217	214	227	224	231	232	229	223	216
8	221	217	211	194	150	183	156	186	186	196	201	201	211	211	197	196	200	206	218	231	261	286	305	274	212
9	250	232	220	209	139	122	121	183	183	206	212	214	213	211	214	219	219	219	225	231	231	228	218	212	206
10 Q	213	213	212	208	206	205	209	209	209	214	214	212	207	201	196	202	202	205	214	220	226	227	227	225	211
11 Q	219	218	212	210	208	207	205	200	201	212	214	214	213	212	207	202	204	200	199	202	208	214	218	213	209
12 Q	207	207	207	207	207	203	202	203	203	209	208	207	207	202	202	208	208	199	194	195	200	205	208	213	204
13	208	208	208	208	207	205	205	196	195	205	208	211	208	207	205	205	194	188	187	194	200	203	206	207	203
14	207	207	206	205	201	201	192	176	195	201	207	200	177	182	182	189	189	186	188	199	213	214	214	217	198
15	213	211	207	207	206	206	206	205	158	175	194	194	183	180	186	194	202	200	200	206	209	216	219	220	200
16 Q	214	210	210	199	199	195	185	199	205	207	207	207	207	207	200	194	194	199	200	199	202	207	208	211	203
17	211	209	207	206	205	205	201	202	205	206	207	205	203	203	196	193	195	192	189	201	213	217	214	210	204
18	210	213	212	207	205	200	194	200	202	205	199	181	180	190	199	199	200	188	189	195	196	205	207	207	199
19	203	207	213	214	183	152	128	132	122	133	158	154	170	172	182	192	193	195	205	215	225	236	236	231	185
20	225	221	211	194	182	177	197	200	205	202	202	206	207	206	205	208	208	210	214	223	223	226	225	226	208
21	226	222	216	188	133	152	158	158	139	146	157	159	176	187	199	200	205	207	212	218	226	236	233	233	191
22	221	219	220	224	213	161	188	203	205	207	206	207	202	199	194	193	195	200	195	195	205	210	223	231	205
23	248	243	231	219	216	192	200	208	211	208	211	207	202	193	190	188	192	196	206	208	209	212	216	214	209
24	214	219	219	218	214	211	198	160	180	200	207	202	197	194	188	186	192	190	196	210	216	214	211	221	202
25	220	213	195	192	194	194	190	194	191	189	194	191	192	191	190	191	195	201	225	230	243	267	275	251	209
26	249	228	211	189	166	102	110	111	127	175	196	206	207	206	202	198	199	192	187	192	199	207	219	219	187
27 D	213	207	112	-115	70	69	163	184	169	111	187	211	213	214	210	200	189	186	233	250	244	248	278	238	179
28 D	213	214	213	213	210	211	205	179	146	139	156	118	152	174	185	189	191	200	207	237	274	280	267	236	200
29 D	219	220	208	176	187	159	156	117	200	219	216	209	201	203	203	206	203	200	203	211	208	247	261	328	207
30 D	267	219	164	147	207	230	226	218	196	194	205	217	217	221	217	213	221	233	230	223	242	236	236	226	217
31																									
Mean	225	220	209	189	182	180	181	184	183	188	194	194	196	198	199	202	203	203	208	215	222	228	231	229	203

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt — June 1960

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	00	52	842	10	49	698	144	10	50	29.0	04	54	0.1	28.9	03	41	324	05	54	44	280
2 Q	19	35	843	15	00	797	46	19	43	23.8	11	36	12.2	11.6	09	41	216	16	30	196	20
3	20	23	871	14	18	801	70	19	50	27.6	00	02	9.0	18.6	23	22	237	17	22	186	51
4 D	21	36	940	07	12	477	463	07	33	63.3	04	50	11.7	51.6	07	15	359	04	40	-222	581
5	00	01	882	03	40	505	377	03	35	58.0	06	05	3.3	54.7	00	46	327	03	35	-134	461
6	23	22	852	11	28	728	124	05	39	40.3	01	24	2.1	38.2	01	17	252	05	34	131	121
7	21	00	881	09	17	766	115	19	00	31.5	13	10	5.6	25.9	21	00	241	09	17	172	69
8	22	45	919	04	35	752	167	18	56	31.2	03	23	7.5	23.7	21	39	327	04	26	115	212
9	19	51	851	06	00	735	116	06	20	29.9	01	07	0.4	29.5	00	04	261	06	04	78	183
10 Q	20	20	866	15	32	770	96	19	29	30.1	11	33	10.3	19.8	21	22	231	14	20	195	36
11 Q	20	40	836	15	37	768	68	18	55	30.8	02	23	8.5	22.3	00	00	223	18	45	197	26
12 Q	23	20	839	15	35	788	51	19	42	30.2	12	57	8.8	21.4	16	20	211	18	27	190	21
13	19	10	861	14	45	786	75	17	51	25.9	11	40	8.8	17.1	12	15	212	17	50	187	25
14	20	40	853	13	20	769	84	17	35	27.0	10	15	13.2	13.8	20	48	218	07	10	157	61
15	23	15	843	16	05	779	64	08	20	36.6	11	46	8.8	27.8	23	15	224	08	36	133	91
16 Q	19	25	857	17	08	792	65	17	55	26.1	03	25	8.9	17.2	00	00	219	06	28	179	40
17	20	52	852	15	58	774	78	17	20	29.2	12	37	11.3	17.9	21	33	219	15	00	188	31
18	19	35	876	11	00	801	75	18	38	29.6	13	09	11.4	18.2	01	48	217	11	55	174	43
19	01	00	863	14	42	759	104	16	00	28.2	08	14	7.1	21.1	22	00	237	08	56	102	135
20	21	06	856	15	18	774	82	18	20	24.6	02	57	6.6	18.0	22	05	230	05	25	171	59
21	20	10	854	16	50	764	90	19	12	30.9	11	11	-2.9	33.8	21	15	243	04	22	115	128
22	19	39	865	12	30	786	79	05	05	32.2	10	45	4.7	27.5	24	00	235	05	26	142	93
23	19	55	854	13	40	776	78	05	22	31.7	13	13	7.9	23.8	00	49	261	05	25	170	91
24	19	44	876	13	30	783	93	18	22	27.5	13	34	8.2	19.3	23	55	226	07	15	155	71
25	21	51	920	13	37	773	147	19	13	32.4	12	08	8.0	24.4	22	26	291	03	55	179	112
26	19	55	872	08	20	741	131	08	13	33.9	02	22	-5.1	39.0	24	50	254	05	45	57	197
27 D	22	27	981	05	25	430	551	03	25	58.4	05	42	-6.0	64.4	22	00	303	03	07	-323	626
28 D	21	24	903	11	31	708	195	18	06	29.2	13	10	5.2	24.0	21	04	289	09	00	85	204
29 D	24	00	1234	07	54	757	477	07	00	30.4	24	00	-1.8	32.2	24	00	470	07	12	97	373
30 D	00	00	1234	02	52	448	786	02	57	70.9	00	05	-5.6	76.5	00	00	470	02	55	-257	727
31																					
Mean			896			726	170			34.3			5.6	28.7			268			95	172
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 25 Agincourt — H = 15,000 γ + — July 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	832	819	813	796	811	810	798	754	799	798	811	808	807	806	785	773	778	813	833	836	826	830	819	811	807
2	808	804	808	813	807	807	807	811	825	817	810	787	805	816	796	784	799	800	813	821	826	821	822	823	810
3	823	825	818	812	806	819	817	812	816	820	821	812	825	824	816	806	802	828	854	854	866	839	832	831	824
4	834	822	812	818	816	802	798	813	802	808	808	809	807	798	792	805	805	832	837	833	831	820	816	823	814
5	831	818	822	802	811	823	836	822	802	793	800	800	793	787	793	778	790	823	854	883	864	836	833	819	817
6	821	811	808	822	826	824	823	823	823	817	806	797	792	780	780	725	731	797	816	837	838	827	819	821	807
7 Q	816	817	817	820	821	821	817	822	816	810	815	811	802	801	794	800	816	837	855	863	858	847	840	823	822
8 Q	825	829	827	823	823	827	827	828	825	824	821	825	824	820	806	803	808	823	833	840	843	841	837	835	826
9 Q	833	834	837	837	838	838	837	840	836	835	832	829	824	813	798	780	787	811	807	852	859	854	854	846	830
10	838	838	833	824	831	831	839	844	839	835	835	830	823	817	802	792	803	818	843	860	859	855	838	824	831
11	819	814	819	830	834	827	831	837	843	849	840	837	833	819	816	801	810	827	832	845	865	838	834	826	830
12	827	825	814	824	827	832	829	829	831	825	823	829	823	823	823	828	822	818	827	842	850	854	833	837	829
13	833	829	819	827	827	838	828	828	829	832	829	823	820	819	819	818	806	819	829	837	860	842	837	835	828
14 D	832	827	823	827	835	894	815	830	833	831	828	811	807	809	827	811	801	797	822	817	841	884	868	875	831
15 D	863	852	842	849	827	825	832	824	837	798	823	807	735	672	686	678	661	679	803	969	1098	1251	1182	1093	854
16 D	1049	599	655	531	700	701	542	650	696	687	698	699	677	733	725	706	700	732	787	838	876	870	867	842	732
17	811	781	783	766	727	712	789	753	721	764	838	782	780	774	762	755	750	772	807	806	814	828	828	824	780
18	826	807	826	811	808	809	807	806	806	807	805	798	795	785	766	790	799	824	841	851	850	839	824	823	813
19 D	822	825	824	825	831	836	804	741	748	670	705	676	753	794	784	773	788	798	818	859	866	834	819	826	792
20	829	812	815	813	810	808	807	805	809	809	805	761	760	780	763	784	807	815	828	850	813	858	845	824	809
21	817	822	813	813	816	829	794	800	807	804	810	807	780	783	793	798	797	806	807	831	837	835	839	839	812
22	824	824	814	822	823	810	812	809	814	814	806	813	803	803	799	788	787	804	827	838	845	850	850	849	818
23	828	792	806	812	815	815	815	818	821	819	822	817	808	795	784	780	786	803	825	834	843	849	848	842	816
24	829	829	829	834	843	830	834	829	825	840	839	829	818	804	794	784	792	808	827	834	844	828	828	830	824
25 Q	825	825	827	831	827	824	826	824	824	827	826	827	823	817	801	797	808	819	826	835	839	836	830	830	824
26	825	829	829	829	828	827	827	831	834	834	835	828	812	808	818	816	773	834	843	855	853	885	861	830	831
27 Q	814	829	829	832	834	834	830	836	834	834	829	828	818	806	798	802	822	841	858	865	863	861	858	840	833
28	832	833	834	832	839	836	834	833	828	835	840	829	820	825	824	820	816	822	834	847	846	846	847	851	833
29	857	831	808	839	842	770	793	825	829	837	835	829	820	805	806	766	768	801	835	856	835	860	855	838	822
30	831	803	794	800	824	814	825	831	836	839	833	805	803	822	809	793	789	801	801	826	839	842	854	854	820
31 D	846	808	789	793	803	777	728	728	698	769	785	785	800	784	787	778	754	777	824	840	858	844	846	844	794
Mean	835	813	813	810	816	815	807	808	809	809	813	804	800	797	792	784	786	806	827	847	855	858	850	842	817

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt — D = 7° W + ... ′ — July 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	22.5	22.5	3.0	13.5	15.1	18.5	19.3	20.5	13.7	12.0	14.8	15.3	13.2	13.3	19.6	26.4	26.4	23.8	20.2	19.6	21.6	21.8	20.8	19.6	18.2
2	18.0	13.7	18.0	15.7	16.4	15.7	21.8	28.2	20.0	28.8	22.1	24.9	27.1	13.6	13.9	19.7	24.5	26.7	25.6	26.0	24.7	23.5	23.2	22.9	21.4
3	20.8	18.4	18.2	16.8	18.7	20.0	20.1	21.2	20.8	18.5	19.9	23.0	16.2	15.1	16.6	18.8	20.8	23.6	21.8	21.9	21.5	21.7	19.6	19.1	19.7
4	17.9	10.4	17.3	16.2	16.8	20.9	16.2	17.8	26.7	24.5	13.3	15.3	11.4	13.2	18.1	20.1	20.4	24.8	22.6	22.9	22.5	23.1	23.8	22.7	19.1
5	19.5	18.4	18.1	17.2	15.4	18.0	15.9	15.0	15.2	21.1	17.4	11.0	13.7	15.1	16.6	21.1	27.5	27.9	27.3	23.9	21.6	21.7	21.3	21.2	19.2
6	17.4	16.8	17.2	20.1	22.0	21.2	19.8	20.0	19.1	22.9	23.8	15.1	13.1	14.6	17.2	19.2	21.7	25.5	26.1	26.0	24.3	22.6	21.9	21.8	20.4
7 Q	21.1	21.0	20.9	20.0	19.3	18.5	20.1	21.9	21.7	20.7	15.6	13.4	13.4	15.4	18.0	20.9	23.9	26.4	28.4	27.4	25.0	23.5	20.8	20.3	20.7
8 Q	19.3	19.7	19.9	20.3	21.1	20.5	19.7	19.2	19.2	17.6	16.3	14.1	11.4	9.1	12.3	19.2	23.5	25.7	26.7	26.1	24.7	23.9	23.8	22.5	19.8
9 Q	20.8	19.5	18.2	19.7	19.8	20.0	20.1	19.1	19.6	18.0	13.4	9.2	8.7	8.3	11.1	17.3	22.8	26.1	28.3	29.0	28.0	23.8	21.1	19.7	19.2
10	19.5	18.9	15.7	19.9	21.1	20.1	19.9	22.0	23.9	18.5	12.4	8.0	6.2	7.1	12.2	19.2	26.5	28.8	27.6	26.6	26.1	17.4	20.7	18.1	19.1
11	17.1	15.7	16.9	18.2	17.4	17.9	18.2	18.9	20.3	18.8	17.6	13.2	9.7	10.0	12.9	16.2	19.0	24.5	26.6	29.0	26.3	25.6	23.4	20.3	18.9
12	18.4	17.0	13.8	15.8	17.2	16.1	21.0	19.6	19.4	21.1	19.3	13.6	10.9	10.8	13.6	17.3	21.2	24.4	26.5	25.6	23.0	20.8	20.4	18.4	18.6
13	17.9	18.0	18.4	19.3	21.5	15.4	18.5	19.6	20.8	20.5	19.1	18.5	15.9	15.2	12.7	16.2	19.3	25.6	25.5	24.7	20.3	21.0	20.8	20.1	19.4
14 D	19.3	19.5	20.2	20.0	19.4	10.9	15.8	18.1	18.3	21.3	18.0	18.5	19.0	16.1	18.2	16.7	21.6	20.5	28.4	29.3	24.7	25.6	27.7	24.9	20.5
15 D	24.0	23.5	21.1	18.3	4.1	15.3	15.7	13.0	21.9	27.6	21.6	21.5	37.7	41.1	31.8	30.8	33.0	23.4	19.2	9.2	-0.8	-4.5	11.5	28.5	20.4
16 D	51.6	22.8	17.0	37.4	18.2	15.7	20.2	17.6	28.5	29.2	31.0	34.4	34.6	25.8	23.9	21.6	31.1	29.5	26.3	21.6	20.1	18.9	17.3	19.0	25.6
17	13.0	6.5	17.1	13.9	26.9	26.7	17.2	21.3	35.1	24.9	18.1	15.7	13.6	12.6	14.1	17.3	21.9	24.5	24.9	26.2	25.0	23.0	24.0	20.8	20.2
18	21.8	21.9	19.0	20.7	18.2	17.6	14.3	13.9	15.3	17.0	13.9	14.2	11.4	11.5	13.6	19.3	23.9	23.8	25.1	26.7	24.9	22.2	23.2	24.0	19.1
19 D	23.9	23.2	22.7	21.7	20.7	19.3	10.6	32.1	9.5	17.8	22.1	25.8	14.4	8.5	15.4	24.7	29.2	29.4	30.9	25.8	20.3	23.6	22.7	18.6	21.4
20	14.9	21.7	22.7	25.1	25.0	22.8	21.2	20.4	19.2	14.9	12.1	15.7	22.0	17.1	17.1	23.7	24.5	24.8	26.1	24.5	25.6	21.6	21.0	18.0	20.9
21	21.0	21.2	23.8	23.2	23.5	22.9	17.6	18.7	17.5	15.6	12.7	10.2	10.0	11.8	13.9	17.3	21.3	27.0	29.4	25.3	22.8	21.7	21.6	21.6	19.7
22	20.1	21.1	22.1	19.4	22.7	20.8	15.8	15.7	16.4	15.6	14.2	12.7	11.5	11.2	12.7	17.5	22.4	23.1	23.9	24.7	26.5	26.2	21.0	19.0	19.0
23	13.7	18.9	25.8	21.0	20.4	22.4	20.8	19.8	19.4	17.9	15.6	12.5	11.5	12.7	16.4	22.1	26.7	30.0	31.8	31.3	29.6	25.9	23.1	20.9	21.3
24	19.3	20.2	21.3	19.8	19.8	20.1	18.4	18.5	17.0	15.5	12.0	10.6	9.0	11.8	14.2	18.6	22.7	30.0	32.8	31.1	27.9	24.9	22.2	19.4	19.9
25 Q	20.2	20.9	21.1	19.4	18.4	19.4	19.5	19.3	18.6	17.0	14.8	11.9	10.5	10.3	13.6	18.1	24.4	25.7	26.1	26.1	24.6	22.3	21.7	20.9	19.3
26	20.5	20.2	20.4	19.1	19.0	19.3	19.4	18.6	18.8	19.3	19.2	14.7	13.9	14.1	14.3	16.8	23.0	27.4	27.6	26.7	25.4	21.1	20.5	22.1	20.1
27 Q	22.8	22.2	21.8	20.4	20.1	18.5	18.7	18.4	21.2	17.4	14.7	13.3	11.6	12.8	17.4	23.0	27.4	27.7	28.4	27.6	26.0	23.2	20.5	20.4	20.6
28	21.2	22.0	21.7	20.5	19.9	19.4	18.9	16.9	15.8	15.5	12.9	10.0	9.3	9.0	11.2	13.7	19.1	23.2	25.7	25.1	26.0	25.8	24.0	21.9	18.8
29	21.2	17.1	9.1	8.6	7.6	7.3	9.2	15.6	18.2	18.2	18.1	13.9	9.6	9.1	11.0	15.8	25.1	26.9	33.4	32.1	31.5	26.9	24.8	19.4	17.9
30	17.5	14.8	10.9	3.7	13.0	12.5	16.4	19.3	26.3	22.1	19.0	22.7	22.9	14.5	10.2	13.0	18.5	22.6	24.0	24.0	23.1	23.8	22.3	21.6	18.3
31 D	19.2	15.2	-3.1	14.0	15.7	11.3	13.5	29.1	46.0	28.0	21.4	24.1	22.1	20.2	17.1	22.7	23.9	32.6	28.7	28.7	26.4	24.4	20.0	18.5	21.6
Mean	20.5	18.8	17.8	18.7	18.5	18.2	17.9	19.6	20.8	19.9	17.3	16.0	15.0	13.9	15.5	19.5	23.8	26.0	26.6	25.6	23.8	22.2	21.6	20.8	19.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Agincourt — Z = 56,000 γ + — July 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	226	207	189	188	164	125	89	163	186	202	203	205	199	196	190	177	185	207	228	233	227	223	223	194
2	225	225	213	203	197	191	187	141	172	195	195	165	181	198	216	213	214	213	208	207	213	217	214	213	201
3	211	212	210	208	203	188	190	189	200	207	205	185	188	192	183	180	185	199	202	207	226	231	227	224	202
4	221	220	206	189	172	159	181	177	150	153	176	189	194	194	195	195	198	196	193	200	211	217	213	213	192
5	213	213	212	202	211	204	171	154	158	136	151	181	190	188	189	194	196	201	206	210	210	215	219	222	194
6	229	224	213	198	182	193	193	198	198	187	146	151	170	185	189	192	195	199	200	204	206	206	207	207	195
7 Q	205	201	201	201	200	198	199	195	189	193	198	199	199	201	199	197	192	187	185	185	186	192	198	201	196
8 Q	204	201	199	199	198	196	192	194	198	201	201	202	196	189	192	187	184	191	196	199	200	204	207	206	197
9 Q	203	201	198	198	196	194	194	193	193	195	197	199	196	196	193	182	166	168	181	197	200	199	204	205	194
10	202	199	195	198	195	192	193	188	183	193	196	196	193	191	187	189	182	168	173	188	193	204	209	213	193
11	216	212	206	201	195	194	199	201	199	200	198	195	189	186	185	184	181	182	183	194	211	216	218	216	198
12	212	206	205	199	195	184	157	175	190	191	185	188	188	190	193	202	200	201	198	198	205	206	203	208	195
13	210	207	207	203	193	168	171	181	184	176	176	179	183	185	191	198	198	193	193	196	213	234	215	212	195
14 D	209	204	200	198	196	150	180	197	198	186	148	148	165	173	174	179	185	187	198	200	220	221	212	209	189
15 D	203	203	199	198	163	179	162	136	131	81	112	129	57	75	94	145	184	264	367	409	450	425	351	325	210
16 D	300	29	81	75	185	150	95	92	24	64	137	139	130	159	179	197	215	239	258	296	305	308	309	312	178
17	295	218	205	205	170	149	149	148	89	161	200	204	203	197	200	208	212	221	228	231	229	241	240	248	202
18	236	229	210	200	214	200	187	175	211	215	212	206	201	198	202	214	212	211	211	210	200	210	209	205	207
19 D	205	205	205	204	203	203	217	29	69	-1	35	41	180	226	223	221	230	235	241	253	260	228	228	245	183
20	223	217	214	210	214	212	210	205	198	196	192	170	172	185	199	208	207	211	228	241	226	247	263	248	212
21	229	223	219	214	185	145	200	215	213	215	212	206	193	194	194	185	182	190	198	200	201	206	206	210	202
22	211	215	215	204	166	158	161	186	193	203	199	198	200	198	195	197	197	200	205	209	209	211	216	224	199
23	221	223	222	210	204	193	186	186	197	205	209	209	205	205	203	205	205	206	212	217	218	218	212	211	208
24	209	206	203	200	180	174	175	173	191	205	206	200	196	197	192	191	193	199	199	199	205	205	211	209	197
25 Q	202	199	198	197	191	192	195	196	197	198	201	199	197	192	191	194	197	197	197	197	199	202	200	197	197
26	196	197	197	195	192	193	193	194	196	197	194	196	194	191	186	183	178	175	181	191	193	213	225	229	195
27 Q	219	205	199	197	196	194	193	190	183	183	192	197	199	200	204	199	191	192	197	199	199	202	204	196	197
28	194	193	193	192	192	192	192	183	191	196	197	197	195	196	192	180	175	178	177	184	191	196	196	197	190
29	197	202	189	153	147	112	136	190	205	204	197	198	200	197	196	191	197	201	204	216	214	211	210	225	191
30	258	288	239	172	136	224	181	193	188	187	197	183	148	173	189	191	189	192	196	199	209	270	266	265	206
31 D	272	248	196	189	186	141	88	50	13	69	112	153	181	186	194	204	196	200	205	210	215	217	228	217	174
Mean	221	208	202	194	189	180	176	168	170	173	180	181	183	188	191	193	194	199	207	215	221	226	224	224	196

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt — July 1960

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	18	35	858	07	38	722	136	15	52	29.3	02	25	-11.2	40.5	02	08	255	07	47	170	85
2	20	00	833	15	15	774	59	07	39	34.0	13	53	11.0	23.0	00	57	237	07	42	114	123
3	19	33	892	16	53	790	102	11	22	26.9	12	47	13.8	13.1	21	37	239	15	38	177	62
4	20	00	858	14	12	772	86	08	30	37.6	01	42	3.2	34.4	01	18	232	08	50	135	97
5	19	40	905	15	40	771	134	16	35	29.0	11	05	8.8	20.2	24	00	225	09	20	118	107
6	19	08	844	15	57	770	74	18	00	26.7	11	55	11.1	15.6	00	46	232	10	50	133	99
7 Q	18	35	868	14	36	790	78	18	30	28.9	12	00	12.1	16.8	23	47	204	18	47	182	22
8 Q	20	50	847	15	05	795	52	18	10	27.2	13	20	8.9	18.3	22	30	207	16	30	181	26
9 Q	20	45	863	15	35	777	86	20	02	30.0	12	17	7.6	22.4	23	30	206	16	42	162	44
10	19	55	873	15	30	787	86	17	30	29.3	13	10	5.5	23.8	23	30	216	17	54	164	52
11	20	42	874	01	58	804	70	19	33	30.3	12	34	9.1	21.2	22	00	222	16	47	168	54
12	20	45	866	02	26	803	63	18	05	26.6	14	04	7.7	18.9	00	00	216	06	20	147	69
13	23	18	869	16	12	796	73	17	04	28.4	05	31	11.8	16.6	21	20	229	05	48	145	84
14 D	21	37	976	18	00	759	217	19	12	33.9	05	19	2.6	31.3	21	35	258	05	41	123	135
15 D	21	31	1337	14	42	642	695	23	28	66.6	21	16	-18.7	85.3	20	31	517	09	50	42	475
16 D	01	00	1379	03	40	284	1095	01	30	117.6	01	51	-11.4	129.0	00	38	417	00	25	-155	572
17	21	10	853	05	05	635	218	04	52	45.2	01	00	-11.7	56.9	00	10	307	08	32	22	285
18	19	52	860	15	02	742	118	19	33	27.3	06	10	9.4	17.9	00	00	240	07	10	139	101
19 D	19	54	888	09	10	590	298	07	00	51.1	13	04	3.4	47.7	19	55	286	09	12	-82	368
20	21	38	880	14	57	745	135	03	05	30.2	00	00	3.5	26.7	22	35	270	11	55	164	106
21	23	22	850	12	35	770	80	05	03	33.1	12	57	8.7	24.4	00	10	235	05	02	110	125
22	22	36	865	15	34	779	86	21	25	26.7	13	35	8.9	17.8	23	50	229	05	57	142	87
23	23	06	856	15	20	756	100	18	19	32.3	00	22	6.1	26.2	01	30	229	07	05	177	52
24	20	40	850	15	36	776	74	18	41	33.1	12	30	8.0	25.1	22	33	212	07	25	162	50
25 Q	20	25	845	15	25	790	55	18	32	26.6	13	10	10.1	16.5	21	25	204	04	45	190	14
26	21	16	900	13	04	802	98	17	55	28.6	12	02	10.9	17.7	22	51	242	17	02	174	68
27 Q	19	34	868	15	20	794	74	18	50	28.9	12	40	11.0	17.9	00	00	228	09	14	174	54
28	24	00	861	14	05	806	55	21	15	26.6	12	10	7.7	18.9	23	05	198	16	20	174	24
29	19	50	888	15	30	754	134	18	06	39.2	02	50	-7.1	46.3	23	51	240	05	24	71	169
30	23	05	873	15	00	777	96	11	50	35.7	03	52	-0.6	36.3	01	19	304	04	15	110	194
31 D	20	35	870	08	11	625	245	08	09	62.3	02	12	-14.9	77.2	02	00	344	08	10	-28	372
Mean			902			741	160			36.4			4.0	32.4			254			120	135
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 29 Agincourt — H = 15,000 γ + — August 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	829	830	821	819	804	809	814	810	813	813	805	805	800	779	768	773	772	785	801	814	830	842	831	831	808
2	825	818	818	806	822	813	820	822	824	812	805	810	806	786	781	779	777	789	800	819	824	842	830	820	810
3	820	811	821	822	825	825	825	825	818	820	823	818	815	803	784	789	800	815	822	827	829	836	831	825	818
4 Q	833	832	815	815	823	814	815	825	822	819	815	805	812	801	784	789	805	824	840	845	836	837	834	830	820
5 Q	829	832	830	829	829	830	830	825	825	825	826	827	820	803	793	797	806	819	828	834	843	846	847	841	826
6	835	835	830	835	838	838	834	829	828	819	820	822	820	816	811	801	801	807	819	838	839	841	835	839	826
7	846	834	819	813	817	815	821	825	829	828	834	828	821	811	796	793	796	807	828	843	846	844	840	837	824
8	838	838	838	842	832	834	834	833	818	825	829	820	813	797	779	756	754	789	825	842	854	846	853	829	822
9	805	803	817	824	822	807	763	776	804	820	814	785	803	792	772	754	746	765	784	803	824	836	839	837	800
10	833	820	829	838	843	839	829	828	815	805	828	824	808	794	776	770	771	784	809	837	840	845	845	846	819
11	824	828	836	832	823	809	826	824	823	825	821	786	803	804	771	779	786	804	811	809	839	846	850	855	817
12	833	824	820	822	813	776	770	777	804	821	826	799	800	813	790	773	777	801	822	837	856	852	846	837	812
13	837	833	825	826	830	824	828	830	831	829	826	820	810	793	789	792	792	799	814	829	832	840	825	824	820
14	824	828	828	830	830	830	831	828	834	829	823	817	809	799	797	803	824	820	842	863	884	841	836	824	828
15	828	814	820	820	832	834	838	837	843	844	834	820	809	802	794	793	799	820	838	852	867	860	854	839	829
16 D	835	834	834	834	835	838	838	839	840	838	831	821	803	782	697	653	723	788	817	881	905	816	799	838	813
17 D	838	754	658	678	582	610	735	607	613	742	795	763	763	774	769	727	692	694	792	805	899	854	853	802	742
18	785	783	792	806	804	794	795	819	777	762	778	802	778	763	778	774	773	783	805	825	827	826	818	815	794
19	811	808	812	814	812	814	816	813	819	808	803	812	794	768	760	759	761	778	796	847	859	879	885	827	811
20	818	820	821	823	823	804	725	635	711	754	788	785	768	763	746	752	763	775	808	798	822	840	827	844	784
21 D	812	808	818	819	798	798	812	802	756	773	804	806	793	771	758	761	768	790	812	825	835	842	838	835	801
22	828	804	808	820	822	824	822	818	817	813	816	807	793	825	763	761	761	796	803	824	828	825	835	822	810
23	833	823	822	837	824	826	825	828	825	823	822	819	805	789	773	767	769	787	806	825	842	836	835	835	816
24 Q	828	828	831	837	836	834	835	829	828	817	817	818	812	788	777	775	781	794	809	822	832	834	832	829	818
25 Q	833	836	833	833	832	831	830	829	830	831	829	827	822	808	797	790	799	811	827	843	852	850	847	842	828
26 Q	844	842	840	837	836	838	834	838	838	840	843	839	827	811	798	795	803	814	833	847	852	836	854	853	833
27	823	817	819	823	831	838	836	834	834	832	830	828	820	806	787	777	786	782	796	835	831	854	839	850	821
28	849	846	840	833	827	809	802	810	830	822	818	814	797	784	782	783	791	799	818	830	838	842	838	838	818
29 D	849	844	866	867	833	733	782	821	813	823	818	812	805	805	798	798	808	819	827	836	852	842	838	806	821
30 D	786	740	691	644	680	633	571	579	616	754	755	753	754	738	746	766	791	792	790	814	822	832	824	813	737
31	802	805	801	791	791	794	808	807	773	816	814	812	803	793	794	788	792	796	809	815	820	811	823	822	803
Mean	826	818	815	815	811	804	805	800	802	812	816	810	803	792	778	773	780	794	814	831	844	841	838	832	811

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt D = 7° W + ... ′ August 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	15.5	21.3	20.7	17.5	16.7	16.8	17.5	17.8	23.2	23.9	23.2	21.1	16.6	15.6	17.1	18.7	21.4	24.8	26.7	28.6	26.8	24.0	21.2	18.7	20.6
2	19.2	17.2	17.4	17.7	14.8	17.4	18.5	22.9	25.7	21.2	23.1	17.5	12.8	12.2	14.3	20.3	22.5	24.4	28.8	27.7	26.6	23.2	18.8	18.1	20.1
3	18.5	20.4	20.8	19.9	20.5	19.7	19.3	19.4	19.8	20.5	21.2	17.8	15.0	15.1	14.7	19.7	22.4	24.9	26.5	24.5	23.9	22.0	20.5	19.8	20.3
4 Q	26.3	15.3	15.9	17.1	16.2	13.9	20.1	20.9	22.8	25.7	15.6	20.0	14.7	14.0	15.9	20.0	22.0	24.8	25.7	25.0	24.1	22.7	21.3	20.5	20.0
5 Q	20.5	20.4	21.6	20.2	20.5	19.3	18.2	19.3	19.3	19.4	16.5	12.9	12.0	13.1	15.7	19.4	22.4	24.5	25.1	26.3	24.9	22.1	19.9	18.7	19.7
6	19.4	20.3	20.8	20.2	19.9	19.0	14.5	16.5	19.9	21.3	11.9	8.1	6.7	8.2	13.6	18.1	21.3	26.5	27.5	27.4	25.8	23.6	21.6	18.7	18.8
7	19.3	17.8	10.2	14.7	15.6	15.6	19.4	18.8	18.2	21.3	16.5	13.1	12.1	11.3	14.7	18.5	22.6	28.1	29.3	28.7	26.6	24.6	22.0	20.5	19.1
8	20.1	20.3	20.1	18.6	17.2	17.7	20.1	30.3	19.5	13.7	11.9	6.4	7.6	6.6	13.3	18.1	27.3	31.7	32.1	28.5	26.6	21.9	16.4	13.9	19.2
9	5.7	16.5	19.9	21.1	19.8	4.6	14.3	15.9	25.0	21.2	12.7	23.6	25.6	12.5	15.4	20.0	23.8	28.0	27.6	29.1	26.9	23.9	21.4	18.4	19.7
10	17.8	19.2	20.1	19.5	20.4	19.8	21.1	24.9	18.5	11.2	11.2	6.6	6.0	9.3	13.6	19.5	26.5	28.3	33.0	32.0	27.7	24.0	21.2	19.0	19.6
11	20.9	21.3	19.2	-2.8	17.1	14.9	18.3	21.2	27.9	21.3	17.3	26.3	18.0	11.1	11.1	21.6	24.8	26.9	26.7	32.5	30.6	27.0	23.1	19.2	20.6
12	17.5	18.0	18.3	15.4	12.4	8.3	20.4	23.0	12.0	13.7	17.7	23.6	16.6	17.1	18.1	21.9	26.0	27.0	29.2	28.7	25.8	23.7	22.4	21.0	19.9
13	21.2	22.1	20.2	18.1	18.2	18.1	19.0	19.3	19.6	19.4	17.5	13.9	11.6	14.9	15.5	21.8	27.2	29.9	30.4	29.5	27.0	23.4	21.8	21.2	20.9
14	21.9	21.6	18.6	17.5	20.6	20.1	19.3	20.3	22.0	21.7	15.0	13.9	14.4	15.4	15.7	19.3	25.6	26.9	28.7	27.5	24.5	21.8	20.0	16.7	20.4
15	16.6	18.4	16.8	13.8	19.4	19.5	19.3	20.4	22.1	20.9	18.0	14.3	13.5	14.6	17.9	24.0	28.6	29.0	28.3	28.3	26.7	23.4	20.9	20.3	20.6
16 D	24.7	19.5	20.3	20.9	20.5	20.0	19.4	19.2	18.4	18.4	16.4	15.7	13.4	15.1	9.4	14.9	36.7	38.7	33.8	25.8	20.1	23.1	24.2	18.7	21.1
17 D	6.8	13.2	18.2	18.3	28.6	23.9	19.2	26.7	28.2	14.7	7.3	9.3	11.3	10.9	8.6	25.0	31.6	34.3	37.1	32.0	27.7	25.7	18.7	20.8	20.7
18	23.3	20.9	22.2	22.8	21.1	17.8	21.1	26.4	19.1	32.0	17.8	11.9	15.0	19.0	21.8	26.5	30.9	33.1	30.7	27.6	25.7	23.1	21.8	21.4	23.1
19	21.7	21.1	21.1	21.4	21.9	22.7	21.7	21.1	20.0	21.4	21.7	20.8	8.6	11.2	18.2	25.2	28.6	34.5	32.3	29.5	30.0	29.1	23.2	20.3	22.8
20	22.7	23.6	22.8	22.4	21.3	22.2	23.7	18.3	19.3	18.2	13.7	8.5	10.2	15.9	19.1	25.1	28.7	32.0	32.4	32.9	29.6	25.8	24.1	23.7	22.3
21 D	21.8	21.7	21.0	21.6	28.5	25.5	19.7	25.8	30.8	29.7	16.7	10.4	10.0	12.6	19.2	29.2	32.3	33.6	33.8	31.1	29.0	24.4	22.1	18.5	23.8
22	19.8	8.4	18.9	21.0	25.0	23.2	20.7	19.5	18.9	19.0	14.6	10.7	9.1	11.6	17.3	22.6	27.3	31.4	31.1	28.7	24.7	22.4	20.9	19.2	20.2
23	16.4	21.1	20.7	18.2	20.3	20.6	23.8	21.6	20.1	18.1	14.6	10.0	8.2	8.4	13.2	19.9	25.6	32.2	33.7	30.5	26.2	22.1	19.8	19.6	20.2
24 Q	20.4	18.9	18.0	20.7	21.6	20.9	20.4	22.8	20.0	18.2	17.9	11.5	8.5	9.3	14.4	21.1	22.4	31.0	32.7	30.3	26.5	23.1	21.9	21.0	20.6
25 Q	20.9	21.0	20.9	20.7	20.0	19.2	19.0	18.5	18.1	17.0	15.5	12.6	10.9	10.9	13.2	17.6	23.8	27.7	29.5	29.3	27.6	25.3	23.0	21.8	20.2
26 Q	21.1	20.8	20.9	20.1	19.9	19.1	18.4	18.0	17.4	15.6	14.2	11.7	10.6	11.1	15.2	22.6	27.8	30.2	31.1	30.3	28.6	26.6	22.9	21.0	22.6
27	13.0	16.1	13.7	15.4	19.8	20.4	18.9	18.4	16.9	14.9	13.7	12.5	10.0	10.0	13.3	20.0	24.3	29.2	36.5	32.7	28.5	26.1	22.8	22.0	19.6
28	21.3	20.9	17.8	-3.3	13.6	21.0	17.3	25.5	16.0	16.8	15.6	13.2	12.2	16.6	24.3	28.2	29.4	29.3	29.1	27.8	24.5	21.4	20.0	19.9	19.9
29 D	17.5	18.6	21.3	10.7	16.0	4.9	11.6	17.3	16.9	16.5	16.2	15.6	15.3	14.6	17.2	20.8	23.7	23.7	22.8	19.1	19.9	21.7	21.1	13.3	17.3
30 D	14.4	3.6	6.1	9.6	24.2	7.5	9.8	11.2	38.3	28.2	31.2	28.3	25.4	25.4	23.9	28.3	27.2	29.3	31.9	27.8	25.3	30.0	29.2	28.4	22.7
31	16.2	18.2	17.3	0.8	12.3	16.2	20.8	17.0	26.9	21.9	12.7	12.9	14.0	13.5	19.0	23.1	26.2	27.8	26.5	24.7	23.4	22.7	20.5	20.2	19.0
Mean	18.8	18.6	18.8	16.4	19.5	17.7	18.9	20.6	21.3	19.9	16.4	14.7	12.8	13.1	15.9	21.6	26.2	29.2	30.0	28.5	26.2	24.0	21.6	19.8	20.4

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Agincourt — Z = 56,000 γ + — August 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	202	202	197	168	182	189	180	185	192	186	186	192	188	197	202	197	204	208	213	219	222	221	221	198
2	214	212	208	166	161	180	189	183	153	183	178	183	181	183	184	181	179	189	193	204	206	222	233	227	191
3	222	214	208	203	199	194	189	186	189	196	196	192	192	193	194	192	191	189	191	191	192	200	208	205	197
4 Q	204	196	196	199	187	177	188	189	176	143	167	181	189	191	190	184	183	186	197	199	199	202	199	199	188
5 Q	196	195	195	192	193	190	188	190	191	195	197	197	196	195	192	188	188	190	192	196	199	201	199	196	194
6	195	192	191	191	190	188	183	189	188	172	178	184	184	184	184	181	180	182	184	188	196	198	198	196	188
7	196	196	196	193	189	184	185	186	191	190	190	190	185	184	183	187	187	185	187	189	191	198	198	195	190
8	191	190	190	190	187	188	189	131	152	191	197	197	197	191	178	177	186	197	203	220	249	259	274	268	200
9	238	218	207	198	187	118	79	98	172	203	199	175	180	198	201	201	203	210	212	215	216	211	207	204	190
10	206	209	204	199	196	191	182	142	123	151	188	196	197	196	197	193	197	203	210	215	217	221	213	207	194
11	196	196	196	159	126	172	186	186	165	178	188	156	160	176	178	188	194	179	206	208	202	201	201	207	183
12	213	215	209	198	175	121	147	51	98	165	184	171	135	151	170	183	193	200	196	196	202	203	204	202	174
13	199	196	202	196	181	190	191	195	195	190	191	192	185	187	187	190	185	191	202	208	204	208	204	207	195
14	201	198	195	185	185	187	184	188	185	179	182	185	188	185	188	193	199	199	205	204	209	216	211	212	195
15	212	204	202	187	195	191	190	191	188	182	190	190	189	190	196	195	196	195	199	201	196	191	193	191	194
16 D	193	191	190	189	187	187	188	189	189	189	192	190	190	189	175	188	204	231	245	290	370	314	232	239	214
17 D	317	159	89	73	53	25	153	48	18	121	206	204	218	212	214	202	202	239	300	319	345	326	345	267	194
18	226	220	211	207	201	208	94	111	144	114	146	187	190	184	190	202	208	211	216	219	214	210	207	208	189
19	206	206	206	204	201	197	197	200	201	190	179	190	194	196	200	200	199	206	213	232	259	295	335	244	215
20	214	203	197	194	192	95	41	60	122	182	195	206	205	202	205	211	214	220	225	222	228	233	220	231	188
21 D	273	232	221	220	148	180	190	177	137	136	192	204	206	206	208	214	215	216	224	231	223	227	219	231	205
22	239	236	212	206	176	176	195	202	201	202	204	204	204	203	202	203	206	214	212	220	214	216	213	214	207
23	203	202	202	184	184	190	189	190	196	198	201	202	200	200	195	192	194	204	212	214	212	207	203	201	199
24 Q	197	197	195	195	195	194	190	186	180	189	193	192	190	187	182	183	187	190	195	198	202	201	196	194	192
25 Q	194	194	192	193	191	191	191	190	192	193	195	197	196	193	190	189	192	193	192	195	196	195	194	190	193
26 Q	189	189	189	189	189	189	189	186	188	187	190	190	188	186	186	189	190	190	196	198	202	200	202	202	191
27	206	203	197	191	188	190	192	190	190	191	194	194	188	187	185	182	177	184	196	207	212	218	202	194	194
28	189	188	189	154	116	133	164	166	187	191	194	193	188	182	180	181	186	193	199	201	199	195	191	193	181
29 D	196	199	189	186	157	10	135	225	208	201	199	194	193	193	188	175	175	183	189	201	225	249	278	264	192
30 D	210	194	125	-130	-8	-11	22	10	-50	113	114	119	165	156	184	201	212	217	225	229	225	225	219	215	132
31	214	212	204	169	154	165	166	178	135	129	163	174	175	182	190	193	196	199	201	207	208	208	213	206	185
Mean	212	202	194	177	169	160	166	161	161	175	186	188	188	189	190	192	194	200	207	214	220	222	220	214	192

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt — August 1960

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	21	54	852	14	03	751	101	19	53	29.2	00	37	10.9	18.3	23	00	226	04	24	147	79
2	21	45	857	14	50	771	86	08	02	30.3	03	59	-9.4	39.7	22	20	238	03	34	143	95
3	21	31	844	14	41	779	65	18	16	27.7	14	06	12.5	15.2	00	21	225	07	00	184	41
4 Q	19	00	851	14	17	781	70	09	25	29.4	05	05	10.1	19.3	00	08	208	09	36	134	74
5 Q	22	05	849	14	30	783	66	19	40	26.7	12	08	12.0	14.7	22	00	201	15	55	185	16
6	20	54	861	15	47	798	63	19	08	28.6	11	07	6.3	22.3	20	52	204	09	32	165	39
7	19	53	853	14	15	789	64	19	07	30.0	02	16	7.0	23.0	02	04	203	04	54	176	27
8	20	45	875	15	35	741	134	18	14	34.0	13	50	3.6	30.4	22	55	277	07	50	113	164
9	21	45	849	16	13	743	106	19	05	30.3	05	20	-4.2	34.5	00	12	247	07	07	62	185
10	23	40	857	16	00	759	98	18	51	35.0	12	36	2.9	32.1	21	20	226	08	51	107	119
11	23	43	863	16	04	758	105	19	37	37.8	03	21	-10.3	48.1	19	40	216	04	30	97	119
12	20	50	880	07	20	738	142	07	05	39.9	05	44	5.6	34.3	01	00	219	07	21	26	193
13	21	35	846	15	27	782	64	18	22	31.3	12	40	11.4	19.9	19	00	209	04	00	165	44
14	20	28	909	15	18	785	124	19	00	29.8	11	16	12.6	17.2	20	29	223	09	47	176	47
15	20	20	872	14	20	789	83	17	33	29.6	03	06	3.4	26.2	00	17	216	03	15	171	45
16 D	20	25	935	15	03	628	307	16	54	53.2	14	19	0.2	53.0	20	45	419	14	15	158	261
17 D	22	22	902	02	50	302	600	08	10	48.6	00	40	-1.8	50.4	20	58	405	03	03	-256	661
18	20	05	833	09	53	718	115	09	40	41.6	11	10	11.2	30.4	00	10	235	06	36	26	209
19	22	15	948	14	05	741	207	17	52	36.6	12	53	5.8	30.8	22	46	366	10	24	170	196
20	21	12	870	07	54	492	378	06	20	46.9	06	43	4.8	42.1	21	12	245	06	10	-50	295
21 D	21	50	859	08	59	716	143	09	06	40.0	13	09	6.3	33.7	00	41	293	09	05	97	196
22	21	07	848	16	38	756	92	17	32	31.9	01	29	-7.9	39.8	01	16	297	04	55	159	138
23	20	39	849	16	25	763	86	18	06	34.5	12	58	6.9	27.6	00	00	218	03	52	170	48
24 Q	21	50	839	15	30	772	67	18	15	33.0	12	32	7.8	25.2	20	30	203	08	15	176	27
25 Q	20	28	857	15	28	781	76	18	48	30.1	12	50	10.1	20.0	20	18	198	15	30	188	10
26 Q	22	35	859	15	05	791	68	18	07	31.2	12	57	9.6	21.6	20	30	206	08	57	184	22
27	20	11	873	17	55	760	113	18	09	38.3	24	00	5.7	32.6	20	58	224	16	40	172	52
28	00	39	862	14	24	766	96	07	05	31.0	03	45	-10.5	41.5	20	00	202	04	32	109	93
29 D	00	25	907	05	44	744	163	16	10	27.9	23	55	-7.6	35.5	22	30	297	05	30	-128	425
30 D	21	21	844	03	20	426	418	04	01	57.1	03	27	-53.6	110.7	00	52	235	03	30	-341	576
31	22	35	825	08	47	740	85	08	41	34.4	03	30	-6.5	40.9	22	09	215	08	46	74	141
Mean			865			724	141			35.0			1.8	33.3			245			96	150
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 33 Agincourt — H = 15,000 γ + — September 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	822	822	820	819	823	822	823	823	823	822	819	813	804	796	780	783	794	808	817	824	832	828	822	827	815
2	828	829	828	829	832	833	825	818	817	822	824	823	810	782	782	793	801	808	804	813	828	847	874	817	819
3 D	809	796	809	792	796	771	605	772	815	821	823	821	807	789	782	781	782	794	810	817	835	817	826	826	796
4 D	821	816	828	833	798	787	773	589	602	547	659	740	727	769	745	776	764	766	902	913	999	1242	1141	948	812
5 D	788	792	797	509	602	477	361	218	120	166	313	647	693	765	763	739	786	801	816	817	813	850	827	816	636
6	798	798	810	829	812	756	741	721	790	798	793	788	780	766	750	750	762	780	801	814	825	835	819	819	789
7 D	798	799	810	807	803	805	803	802	810	806	798	785	732	766	753	773	776	774	783	819	830	802	817	822	795
8	797	795	802	796	795	792	802	792	786	811	804	788	780	767	765	760	756	782	808	832	832	837	832	831	798
9	824	815	799	797	812	805	817	807	805	800	805	810	793	770	765	757	763	774	784	802	826	827	824	818	799
10	817	822	826	827	822	820	825	808	819	819	815	812	797	774	752	716	741	781	817	820	818	836	829	805	805
11	817	806	792	810	821	817	808	813	817	821	819	813	791	771	746	751	751	775	803	808	837	832	819	807	802
12	806	820	821	815	812	821	822	817	797	810	813	811	796	773	750	745	761	777	790	804	811	820	831	831	802
13	831	807	794	781	789	787	792	781	757	783	776	800	783	770	744	741	752	769	791	824	834	832	839	824	791
14	801	807	808	811	831	798	807	808	810	814	813	806	792	771	752	754	760	767	784	804	817	823	824	825	800
15 Q	825	826	824	821	821	822	820	822	825	826	827	821	808	796	784	774	781	797	816	831	837	833	833	834	817
16 Q	841	838	840	836	835	832	832	832	833	833	833	827	812	797	783	774	786	800	821	836	837	835	829	832	823
17	833	836	837	822	824	827	829	831	831	830	826	819	810	796	834	791	797	808	824	841	852	836	832	842	825
18	827	823	822	813	798	812	816	807	812	809	809	817	799	779	760	765	772	791	808	826	831	831	823	820	807
19 Q	822	825	827	827	823	824	831	825	825	825	824	818	807	794	780	787	794	810	828	838	843	836	831	830	820
20	833	831	831	830	831	829	830	831	831	830	826	823	817	807	793	785	796	813	836	852	858	862	854	827	827
21	829	834	831	832	831	831	833	834	840	833	839	839	832	813	782	759	771	782	803	812	822	827	832	821	819
22	821	823	826	818	811	813	821	822	826	826	826	823	806	791	779	776	785	806	826	854	859	851	841	822	819
23	807	802	806	808	822	827	829	812	812	818	817	826	811	793	781	770	771	790	816	835	847	844	849	839	814
24	832	831	844	790	808	807	793	806	761	733	797	822	807	797	786	791	771	792	815	826	832	829	822	826	805
25 Q	826	826	824	823	823	824	822	823	826	826	825	818	812	803	792	783	790	804	823	831	831	834	832	832	819
26	834	837	847	835	834	836	832	831	833	832	830	831	819	805	792	784	793	806	824	840	841	830	834	827	825
27	822	802	800	807	822	797	796	779	791	804	821	820	806	796	784	780	790	802	816	807	811	813	819	824	804
28	827	826	819	822	822	826	829	829	823	823	832	831	820	798	786	789	796	807	816	822	826	825	822	822	818
29	826	827	827	827	827	828	831	824	828	821	826	832	824	802	813	811	805	808	821	827	837	826	817	807	822
30 D	798	805	796	780	787	797	801	806	812	810	826	821	802	797	791	797	803	801	813	807	825	814	811	826	805
31																									
Mean	819	817	818	805	809	801	792	783	782	784	795	808	796	787	775	771	778	793	814	826	838	845	840	828	804

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt D = 7° W + ... ′ September 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	20.8	21.2	21.5	21.6	21.0	20.7	19.7	19.6	18.7	17.9	20.0	15.1	13.7	14.3	18.6	24.5	27.1	27.7	27.0	25.0	22.8	21.4	20.7	21.0	20.8
2	21.4	21.4	21.5	20.9	21.4	22.5	20.4	17.3	18.4	18.7	16.3	14.4	15.2	18.7	23.5	27.5	28.5	29.2	27.4	27.3	22.3	22.3	22.4	19.4	21.6
3 D	18.4	-1.4	17.3	17.4	25.9	14.9	41.3	19.5	10.6	10.9	12.5	11.4	14.0	18.0	24.3	27.1	29.3	29.0	26.5	23.5	20.0	18.7	18.1	19.3	19.4
4 D	19.1	20.0	19.8	21.2	14.3	14.4	11.5	9.9	-1.7	22.5	19.6	10.9	21.4	23.7	21.8	31.9	26.4	27.1	27.6	16.4	9.8	26.3	5.6	12.1	18.0
5 D	9.4	15.3	31.1	63.9	50.0	44.2	31.9	28.6	58.6	61.1	20.6	21.8	26.9	19.0	27.3	39.2	33.5	28.0	24.3	23.3	23.4	22.2	22.6	22.3	31.2
6	16.5	23.2	19.2	21.5	24.0	18.7	9.7	15.1	12.2	13.5	14.4	13.9	14.4	16.3	20.9	17.0	30.0	30.8	28.4	24.8	22.3	20.0	14.8	3.9	18.6
7 D	21.0	19.8	19.5	20.8	20.9	22.2	23.8	23.1	18.9	19.4	16.6	17.3	23.5	17.1	21.5	24.6	23.4	28.6	30.4	27.3	25.8	24.5	21.6	19.6	22.1
8	15.9	18.9	17.3	18.5	15.1	18.5	18.8	19.5	29.0	16.8	15.3	16.9	13.2	16.5	17.7	22.5	27.7	32.7	33.7	29.7	26.3	22.3	20.0	19.4	20.9
9	19.6	21.7	23.9	22.0	19.6	18.4	19.6	19.9	16.1	14.2	14.9	13.1	13.0	15.9	17.7	21.4	28.1	30.8	32.5	32.2	27.0	23.0	21.0	18.9	21.0
10	19.7	19.9	21.1	21.4	19.5	17.0	19.6	17.6	20.6	14.8	14.7	13.2	10.7	12.2	15.7	23.0	33.3	37.8	33.8	33.1	27.2	20.9	18.4	20.6	21.1
11	20.1	19.5	14.0	19.2	21.0	19.8	19.5	15.8	18.1	17.6	15.8	13.2	10.8	11.9	15.9	22.6	26.3	31.4	31.6	29.8	24.4	22.1	20.2	20.0	20.0
12	18.8	11.3	16.5	20.5	19.2	19.2	19.4	17.1	11.1	13.0	14.9	13.0	13.0	14.1	17.6	26.7	28.8	30.0	28.7	26.8	23.7	20.5	19.7	19.7	19.3
13	19.7	18.4	18.6	16.7	14.2	15.8	22.5	6.8	16.5	10.6	12.0	16.4	13.2	16.4	20.0	25.9	30.7	32.4	30.7	26.6	23.8	22.1	21.6	23.8	19.8
14	15.1	24.0	22.1	18.2	19.7	19.9	16.6	15.7	14.5	13.2	13.9	16.2	12.9	14.3	18.5	27.5	30.3	30.3	28.0	25.5	22.9	22.8	22.1	22.9	20.3
15 Q	23.0	22.1	21.8	20.9	20.8	19.2	17.7	15.2	15.9	15.8	14.9	13.7	12.8	14.0	15.4	20.3	25.6	29.1	28.9	26.8	24.3	22.8	22.5	22.1	20.2
16 Q	21.9	21.3	20.9	20.2	19.5	19.2	18.7	18.2	17.4	16.5	15.9	14.0	12.6	13.0	14.6	19.5	24.9	28.0	26.8	24.9	23.1	22.2	22.1	22.0	19.9
17	21.6	20.9	20.1	19.5	20.3	19.4	18.8	17.8	17.4	16.5	16.0	14.1	12.0	12.7	13.9	19.1	22.9	25.8	26.7	25.8	24.0	22.4	21.7	24.7	19.8
18	25.0	23.7	2.7	19.0	14.5	13.8	17.7	15.7	16.8	17.5	20.3	13.8	10.4	10.9	14.1	20.8	25.4	29.1	28.8	25.9	23.4	21.3	21.3	22.0	18.9
19 Q	21.1	21.3	20.9	20.4	20.2	19.2	19.2	18.6	17.7	17.1	16.5	14.7	13.1	12.8	14.7	19.6	24.8	28.8	27.9	25.4	22.5	20.8	20.5	21.2	20.0
20	21.1	21.1	20.8	20.3	20.0	19.5	19.1	18.3	18.3	16.6	17.3	14.0	11.9	11.9	15.0	20.7	24.8	18.7	18.6	16.6	23.0	21.1	19.9	17.7	18.6
21	18.1	19.5	19.6	19.4	19.4	19.3	18.6	18.4	17.1	15.6	18.4	14.9	12.8	11.7	13.5	19.0	27.6	32.1	31.4	25.1	27.2	24.2	21.1	20.5	20.2
22	20.5	19.2	19.1	18.1	17.8	18.7	15.5	15.7	17.2	16.7	16.6	14.4	11.7	11.8	12.2	17.3	24.9	29.4	29.8	27.6	27.2	25.6	24.7	24.1	19.8
23	18.2	17.1	17.3	17.4	18.6	19.2	19.2	16.6	11.0	12.7	18.4	16.1	11.0	11.5	14.8	18.8	24.4	27.8	28.4	26.8	24.4	22.1	21.6	24.5	19.1
24	26.3	26.4	14.4	19.5	19.1	17.8	19.2	9.4	2.9	17.2	19.6	9.3	9.7	11.8	14.9	20.1	24.7	31.4	27.8	26.5	23.5	20.4	20.2	20.5	18.9
25 Q	20.7	20.2	15.5	20.4	20.1	20.1	19.4	19.0	18.4	17.9	17.2	15.9	14.6	14.9	16.6	20.9	25.6	28.5	28.7	26.6	24.5	22.2	20.7	20.2	20.4
26	20.0	14.7	17.7	20.0	19.2	18.1	16.3	17.3	19.0	14.6	15.4	15.0	14.1	13.6	14.1	17.3	20.6	22.9	23.7	22.6	21.8	23.4	24.5	22.0	18.7
27	18.1	20.9	16.4	18.0	18.6	17.3	15.4	22.8	17.3	10.9	15.4	14.6	14.7	14.6	15.9	19.5	22.3	23.5	24.0	24.1	22.8	21.8	20.0	20.2	18.7
28	20.0	20.2	20.0	20.0	20.0	19.5	19.4	16.1	15.3	20.8	11.4	12.6	13.1	12.5	15.5	22.8	24.6	27.4	26.8	24.4	21.8	20.6	20.2	20.2	19.4
29	20.2	20.0	20.6	20.2	19.4	19.4	18.1	17.1	14.5	6.6	8.1	9.9	13.6	17.2	24.7	24.6	23.5	26.4	26.8	25.6	23.7	23.7	25.2	24.2	19.7
30 D	16.9	19.1	23.3	18.4	15.5	15.4	15.2	17.2	21.2	19.1	17.2	17.1	17.0	28.4	28.1	32.0	27.6	26.4	26.0	27.5	26.3	23.9	22.9	20.0	21.7
31																									
Mean	19.6	19.4	19.2	21.2	20.3	19.4	19.4	17.3	17.3	17.2	16.0	14.4	14.0	15.1	18.0	23.1	26.6	28.7	28.1	25.8	23.5	22.2	20.6	20.3	20.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Agincourt — Z = 56,000 γ + — September 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	201	196	193	194	193	193	194	193	193	193	194	195	194	190	188	189	194	199	201	201	202	201	198	196	195
2	194	193	193	193	188	173	188	191	188	186	187	188	187	183	181	185	183	184	194	202	207	217	247	279	196
3 D	287	258	214	202	81	76	-30	159	183	202	203	195	193	188	191	193	189	201	211	212	215	206	202	202	185
4 D	205	202	206	197	160	147	158	-36	27	-113	58	115	85	100	142	184	194	214	262	360	408	393	438	391	187
5 D	267	266	76	-58	-21	96	33	-174	226	220	80	73	133	147	182	200	215	224	259	275	246	247	275	300	158
6	267	241	236	174	169	163	98	126	212	223	222	218	218	219	225	225	217	217	224	230	233	225	238	234	211
7 D	224	220	206	206	206	197	183	189	200	198	199	195	184	200	201	200	195	206	220	226	237	236	226	223	207
8	232	231	212	214	202	197	196	177	134	180	195	202	206	202	202	200	200	204	212	217	215	211	206	206	202
9	209	217	190	118	136	195	158	164	184	196	196	202	203	200	195	194	196	199	206	210	213	218	219	215	193
10	215	210	207	203	201	193	187	190	196	188	196	193	195	192	197	199	209	217	227	229	224	226	228	219	206
11	217	218	215	211	212	205	196	185	205	204	206	207	204	196	198	203	205	214	217	216	227	234	233	229	211
12	221	193	190	192	195	195	181	142	144	160	191	200	201	201	198	205	209	213	215	219	222	218	211	205	197
13	205	207	210	190	135	189	110	145	142	153	168	185	196	207	215	216	217	221	221	226	229	231	233	246	196
14	255	235	215	191	142	185	195	205	204	201	202	194	190	192	191	193	192	199	204	209	211	208	202	198	201
15 Q	200	199	200	202	202	186	188	197	200	199	197	196	193	188	185	183	186	192	196	199	204	203	198	197	196
16 Q	197	197	196	196	196	197	196	198	197	196	197	197	196	191	190	191	191	194	197	199	198	196	191	191	195
17	192	191	193	196	197	197	192	195	196	193	196	197	197	195	196	192	189	196	199	204	209	218	220	228	199
18	260	251	199	197	202	192	203	199	202	189	186	199	203	204	203	204	209	210	213	211	205	202	199	204	206
19 Q	204	203	200	200	201	202	196	202	202	200	200	204	202	204	202	194	199	205	207	203	203	202	198	197	201
20	197	196	195	196	196	196	195	196	196	193	191	191	191	191	192	190	186	192	197	200	199	198	197	198	195
21	198	196	195	194	195	195	196	195	193	192	183	178	178	178	184	181	192	198	203	201	211	211	211	217	195
22	221	215	209	207	207	199	183	195	198	198	199	198	198	197	194	191	192	192	192	195	208	209	216	229	202
23	234	234	220	211	206	203	194	150	150	186	192	197	203	204	205	203	197	194	197	200	204	203	205	215	200
24	235	257	303	239	222	201	136	75	113	102	116	187	197	200	198	195	193	205	205	203	205	206	203	203	192
25 Q	200	199	199	199	200	199	200	199	198	198	197	197	194	194	193	193	194	198	206	212	211	206	200	200	199
26	199	192	182	192	197	195	194	190	161	170	188	196	197	194	194	198	200	199	197	200	207	209	222	247	197
27	242	247	243	225	175	203	195	150	131	176	188	198	206	208	205	203	204	205	210	210	208	208	205	204	202
28	195	194	195	200	201	201	198	191	190	169	150	180	190	192	192	199	199	206	206	204	206	205	205	202	195
29	200	199	198	199	199	199	195	194	177	163	165	168	170	171	176	180	181	186	194	204	208	218	243	261	194
30 D	270	228	210	199	201	208	205	199	193	174	182	180	179	167	163	176	184	193	204	213	243	260	236	224	204
31																									
Mean	221	216	203	189	180	186	170	159	178	176	181	188	189	190	193	195	197	203	210	216	221	221	224	225	197

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt — September 1960

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 Q	20	35	834	14	37	779	55	17	00	28.1	12	36	13.0	15.1	00	00	203	15	00	186	17
2	21	55	908	13	52	779	129	18	40	31.1	12	09	12.5	18.6	23	09	299	05	20	157	142
3 D	01	06	872	06	40	228	644	06	47	74.9	01	06	-13.8	88.7	01	03	344	06	40	-262	606
4 D	21	40	1469	09	44	451	1018	10	00	53.2	07	53	-14.1	67.3	21	32	537	08	27	-195	732
5 D	02	22	908	07	45	16	892	09	50	120.7	08	08	-15.1	135.8	00	06	435	08	25	-683	1118
6	04	05	865	07	17	687	178	04	10	39.3	23	06	-3.4	42.7	00	06	401	05	50	53	348
7 D	20	35	851	12	55	710	141	18	50	34.1	13	56	12.0	22.1	20	35	246	06	14	175	71
8	19	30	852	15	54	752	100	08	01	36.0	12	38	11.3	24.7	01	05	238	08	15	104	134
9	04	15	847	15	03	756	91	02	59	33.6	06	25	11.3	22.3	02	24	227	03	38	81	146
10	21	59	849	15	35	711	138	17	15	41.4	12	50	9.5	31.9	18	55	234	06	44	172	62
11	20	40	857	14	25	737	120	18	52	33.1	02	25	7.4	25.7	21	42	242	07	15	176	66
12	22	38	835	15	00	739	96	17	20	30.2	01	12	5.7	24.5	00	04	231	07	37	129	102
13	22	23	848	08	51	726	122	06	20	33.0	03	56	0.4	32.6	24	00	209	06	20	62	147
14	04	15	853	14	30	745	108	18	07	31.3	03	57	3.7	27.6	00	10	283	04	20	128	155
15 Q	20	45	842	15	40	776	66	17	40	29.5	13	12	12.3	17.2	20	45	206	05	45	180	26
16 Q	20	02	845	15	25	771	74	17	40	28.6	12	29	11.7	16.9	19	50	203	13	50	190	13
17	20	25	867	14	22	775	92	17	58	27.3	12	33	10.8	16.5	23	57	236	16	49	189	47
18	02	22	848	14	34	753	95	01	52	32.1	02	11	-7.1	39.2	18	50	283	02	45	143	140
19 Q	20	44	849	14	47	772	77	17	42	29.4	13	24	11.3	18.1	18	07	210	06	27	187	23
20	20	55	868	15	22	755	113	18	19	28.6	13	14	10.7	17.9	21	17	202	16	16	183	19
21	06	25	844	15	37	760	84	17	30	32.4	14	00	8.9	23.5	23	57	220	11	36	175	45
22	20	24	868	14	10	769	99	17	50	30.9	14	13	9.0	21.9	23	56	235	06	15	174	61
23	20	35	855	16	27	764	91	18	06	28.7	08	56	6.3	22.4	00	36	237	07	16	130	107
24	02	40	891	09	41	686	205	10	00	36.1	08	31	-0.4	36.5	02	48	349	06	52	44	305
25 Q	21	26	838	15	30	780	58	18	21	29.7	12	38	14.2	15.5	19	44	215	15	30	190	25
26	20	22	861	15	35	781	80	23	00	27.2	04	12	10.0	17.2	23	52	256	08	35	148	108
27	04	10	848	07	49	766	82	01	24	26.7	04	02	-1.5	28.2	00	23	302	07	50	100	202
28	09	56	839	14	54	779	60	17	51	28.1	10	43	8.8	19.3	19	46	211	10	25	142	69
29	20	22	849	14	01	777	72	14	53	29.2	09	22	5.3	23.9	23	45	270	09	24	159	111
30 D	21	21	832	03	30	766	66	15	11	33.3	03	30	7.9	25.4	00	34	292	13	55	154	138
31																					
Mean			876			702	175			36.6			5.3	31.3			269			92	176
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 37 Agincourt — H = 15,000 γ + — October 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	812	808	802	771	774	711	743	728	743	736	795	808	798	766	766	769	766	790	797	806	812	803	817	815	781
2	806	792	792	770	766	746	727	670	710	726	812	783	728	774	715	744	764	793	799	812	811	812	816	814	770
3	803	817	815	817	812	810	813	812	817	810	812	822	805	802	793	786	786	799	812	821	817	813	817	818	810
4	816	817	821	822	821	820	818	819	819	818	822	821	812	798	766	721	751	792	797	827	779	808	810	781	803
5	807	796	806	798	780	750	769	793	783	802	821	820	802	775	759	760	778	785	816	827	832	844	816	792	796
6 D	793	806	785	756	568	532	563	457	726	807	802	690	762	702	627	657	692	724	876	823	968	1288	1204	1128	781
7 D	898	609	603	475	487	834	774	649	738	462	605	707	712	639	618	652	705	770	794	774	829	791	805	770	696
8	763	742	777	768	766	756	772	782	775	784	752	787	780	757	744	743	750	752	776	781	801	793	792	802	771
9	777	763	756	720	755	725	720	739	786	776	757	793	791	771	746	751	766	771	776	797	803	806	812	804	769
10	789	792	797	784	783	790	795	800	800	802	806	805	797	787	771	756	760	766	778	792	797	795	800	802	789
11	802	801	799	801	797	783	732	744	784	782	797	809	802	787	781	791	787	787	793	801	802	803	812	817	791
12 Q	818	817	813	814	817	817	817	818	820	820	822	822	821	812	800	791	796	802	807	811	818	817	821	828	814
13 Q	832	831	830	827	823	821	822	822	822	824	825	822	816	805	799	790	787	793	808	821	831	830	841	843	819
14 Q	839	836	832	833	832	832	832	832	832	832	832	828	823	815	803	797	796	801	812	821	828	834	834	842	825
15	841	845	843	841	839	837	838	838	838	838	827	817	827	827	821	796	779	766	756	798	807	827	817	811	820
16	812	816	817	817	817	818	820	817	822	819	818	816	806	792	795	789	791	797	808	817	824	827	821	824	812
17	816	827	826	822	822	821	818	817	817	822	828	827	818	806	792	787	791	797	805	813	826	826	827	822	815
18	821	817	812	802	806	796	792	778	772	806	815	834	825	806	786	790	790	784	787	786	819	820	792	792	801
19	802	803	802	801	800	812	808	808	816	820	820	817	812	802	787	772	791	791	802	812	809	804	806	813	804
20	818	815	807	803	800	804	797	808	809	810	828	823	817	798	782	769	773	792	792	802	812	813	808	817	804
21	811	808	808	813	813	813	810	805	814	821	819	819	815	802	791	782	780	793	797	807	818	808	812	818	808
22 Q	822	825	824	821	822	823	820	820	826	830	828	827	817	801	789	790	781	808	818	824	829	830	833	834	819
23 Q	834	833	830	830	831	831	832	832	844	834	834	830	822	809	794	792	797	808	822	828	838	835	839	842	826
24	838	836	833	829	829	832	834	835	834	835	837	837	830	819	798	761	794	777	781	792	807	809	817	814	814
25 D	811	811	803	802	771	701	695	681	674	688	676	756	742	751	712	692	732	746	762	783	817	768	767	761	743
26 D	756	641	684	752	736	637	561	715	665	687	747	696	742	761	737	752	664	780	792	792	804	801	839	798	735
27	777	780	782	781	778	803	798	794	798	774	731	783	808	795	777	777	767	769	787	787	802	796	792	788	784
28	791	775	776	777	782	762	740	721	767	744	722	742	731	752	756	763	761	762	772	783	790	803	799	808	766
29	798	797	821	817	813	822	812	798	803	767	750	783	800	763	793	801	767	788	795	808	802	793	797	807	796
30	803	797	797	806	802	809	787	758	757	784	787	788	816	805	771	778	778	788	795	798	788	797	812	795	792
31	802	802	802	801	817	802	798	813	812	810	799	812	811	794	774	784	797	787	780	796	801	818	813	807	802
Mean	810	795	797	789	783	782	776	771	788	783	791	798	796	783	766	764	768	782	797	805	817	826	825	820	792

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt — D = 7° W + ... ′ — October 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	18.8	14.4	20.8	10.2	15.3	11.7	7.8	1.5	5.0	21.3	12.4	14.7	19.3	25.1	32.0	27.4	29.1	29.0	26.2	26.4	24.5	20.5	20.8	20.8	19.0
2	19.9	17.8	17.1	11.6	11.6	11.3	5.2	3.1	15.4	29.9	27.1	28.1	33.7	28.5	32.8	37.4	33.7	27.3	25.8	22.8	21.1	19.9	18.2	18.0	21.6
3	19.3	20.8	21.7	21.4	21.8	20.7	20.8	17.9	18.8	20.0	34.6	24.8	19.8	14.8	15.6	19.9	26.4	28.2	26.2	24.6	21.9	20.5	19.6	19.5	21.7
4	20.9	20.6	20.5	20.8	20.7	20.1	19.0	18.7	16.4	17.3	21.0	17.2	13.7	12.6	14.4	21.2	24.5	29.4	34.5	27.3	29.7	29.9	28.5	13.5	21.4
5	20.7	14.2	15.3	19.8	15.2	17.2	22.3	16.1	17.6	22.6	17.8	15.9	14.4	15.5	19.8	25.1	25.5	28.7	28.4	25.6	23.5	22.5	14.9	21.6	20.0
6 D	19.2	18.2	-3.4	-12.4	5.4	28.0	21.1	26.2	19.6	13.4	18.8	67.6	29.9	26.5	50.7	35.3	47.4	34.8	25.2	23.1	14.4	3.2	8.3	23.6	22.7
7 D	50.1	33.0	23.6	56.4	24.7	38.9	29.2	2.6	26.3	40.4	21.3	33.6	36.0	38.6	34.9	35.4	44.6	29.6	26.3	30.6	18.1	18.9	14.7	10.7	29.9
8	13.6	0.4	8.8	13.5	16.3	19.8	22.9	20.7	25.5	20.3	29.2	28.7	19.7	17.6	20.5	20.8	23.1	25.8	26.6	25.6	23.6	21.5	18.0	17.0	20.0
9	18.9	11.6	14.8	30.8	16.1	24.3	21.2	25.3	23.4	24.3	32.3	27.7	18.1	20.3	21.0	23.3	27.2	27.2	29.6	26.2	24.5	24.1	9.6	19.5	22.6
10	22.0	19.9	18.2	16.3	17.7	20.3	19.8	20.3	19.7	19.7	19.6	18.2	16.0	15.1	16.2	20.7	23.6	26.7	28.8	27.8	25.8	23.4	21.4	18.0	20.6
11	13.3	16.2	18.6	18.2	17.2	16.0	30.4	24.2	9.3	17.1	23.6	15.2	14.5	15.2	16.3	19.8	21.6	23.2	23.7	23.7	23.3	22.3	21.0	20.6	19.4
12 Q	20.0	20.3	19.9	18.8	19.7	19.7	19.6	18.8	18.0	18.2	18.0	17.1	16.0	14.2	14.3	16.0	18.9	21.5	23.3	24.3	24.8	24.3	23.2	20.4	19.6
13 Q	19.8	19.5	19.6	19.3	18.9	17.6	15.9	16.3	16.8	16.5	16.6	15.9	14.4	12.2	12.2	15.1	18.7	22.7	25.2	26.0	24.4	22.6	21.7	20.8	18.7
14 Q	19.6	18.8	18.7	18.8	18.7	17.9	17.9	17.8	17.4	17.0	16.7	15.9	14.1	13.2	13.2	14.8	16.9	19.9	22.5	24.3	24.3	23.5	22.2	20.6	18.5
15	20.0	19.6	20.5	18.3	17.9	16.7	16.8	16.8	15.9	15.4	15.9	19.5	17.9	16.6	18.7	16.5	20.5	26.1	28.9	30.8	27.9	31.7	31.1	23.4	21.1
16	21.4	19.6	18.8	17.3	18.7	19.5	19.3	17.9	18.6	17.6	17.1	16.5	15.3	17.6	17.9	19.7	23.4	24.6	24.2	23.1	21.5	20.9	21.1	21.4	19.8
17	21.5	18.9	19.5	19.9	19.6	19.6	18.5	17.8	19.7	17.9	17.7	16.7	15.9	14.5	15.8	16.7	19.4	21.5	23.2	23.6	22.6	21.7	21.2	20.6	19.3
18	20.4	19.6	18.8	17.0	15.0	14.0	12.9	9.6	13.4	22.3	14.2	17.5	16.1	14.9	22.1	24.8	24.5	28.5	26.9	25.2	19.5	21.9	23.5	20.5	19.3
19	19.3	19.5	19.6	17.3	16.8	11.7	16.8	17.6	18.0	18.2	16.8	17.9	18.5	15.9	15.8	19.2	25.5	27.8	26.9	25.9	24.1	23.2	22.2	20.4	19.8
20	19.3	20.1	18.9	18.6	16.8	24.8	18.0	18.5	14.3	18.6	18.7	15.5	14.0	16.1	19.1	21.3	26.8	25.2	24.1	23.1	22.2	21.3	23.1	22.3	20.0
21	18.7	16.7	18.3	19.3	19.4	19.4	19.2	28.3	20.0	15.9	17.7	18.7	15.6	14.0	15.8	17.8	21.2	23.2	24.0	23.5	21.6	21.5	21.6	19.6	19.6
22 Q	18.8	18.8	19.0	19.1	18.6	18.4	18.6	19.4	19.4	17.1	16.7	15.8	13.9	13.1	6.4	18.4	21.3	22.8	22.9	22.2	21.2	20.5	20.0	19.4	18.4
23 Q	18.8	18.6	18.5	18.4	18.8	18.3	18.1	17.7	17.6	16.6	16.6	15.7	14.4	14.0	14.1	18.6	21.5	23.4	24.6	23.9	22.5	21.2	20.9	20.3	18.9
24	19.3	18.5	18.4	18.4	18.2	18.4	17.9	17.5	17.1	16.5	17.3	16.6	14.7	12.1	11.0	11.9	18.4	30.6	27.6	26.6	25.6	20.1	19.8	19.4	18.8
25 D	18.3	17.8	17.6	17.6	17.0	15.0	2.0	21.0	15.0	22.4	15.1	19.1	20.2	26.6	31.4	28.3	24.8	20.3	32.2	34.4	30.3	24.6	23.6	18.4	21.4
26 D	8.5	19.3	26.7	13.7	15.8	20.3	46.7	21.1	30.6	37.0	30.3	37.7	28.6	29.4	31.2	28.5	27.6	26.2	24.0	20.1	20.5	21.7	11.8	17.4	24.8
27	14.6	9.9	12.6	20.8	20.1	15.2	16.4	19.0	17.3	23.8	40.2	38.8	36.7	18.4	18.7	22.9	22.9	31.5	22.7	24.5	25.4	17.4	15.8	22.0	22.0
28	18.5	11.2	6.3	13.8	17.5	14.6	22.2	21.5	14.2	30.2	45.0	46.0	51.3	40.4	35.7	36.6	31.1	23.0	22.0	21.6	19.1	18.3	18.3	18.4	24.9
29	19.0	4.8	18.3	17.9	17.5	19.2	18.3	22.1	21.5	22.7	38.5	45.0	23.8	26.4	25.6	24.4	31.3	28.5	24.3	19.9	20.0	15.5	10.9	18.3	22.2
30	17.4	12.7	9.1	21.8	22.0	26.3	26.3	20.9	26.1	23.8	22.6	36.5	27.4	19.1	22.8	25.9	25.5	23.6	22.1	22.4	22.7	20.1	18.7	13.7	22.1
31	1.2	15.4	17.2	15.1	18.2	17.9	27.5	31.0	18.3	15.6	21.8	19.1	15.5	19.0	19.9	22.9	24.3	21.9	21.4	22.4	20.5	20.0	20.8	14.7	19.2
Mean	19.1	17.0	17.2	18.3	17.7	19.1	19.6	18.3	18.3	21.0	22.3	24.3	20.6	19.3	21.2	22.8	25.5	25.9	25.6	24.9	22.9	21.2	19.6	19.2	20.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Agincourt $Z = 56,000\ \gamma +$ October 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	224	228	234	151	151	41	88	103	87	42	120	147	170	174	161	192	198	201	217	230	241	266	236	231	172
2	229	204	145	179	181	158	102	61	65	32	84	105	145	161	181	209	226	249	261	234	219	215	218	218	170
3	213	210	207	205	199	197	186	196	200	187	162	163	184	197	199	199	204	209	210	212	213	210	210	207	201
4	208	206	204	202	202	202	196	194	190	189	194	197	194	194	193	199	202	213	244	267	262	244	293	278	215
5	244	208	219	215	197	152	141	170	181	194	195	200	200	195	200	202	199	208	209	205	207	216	283	289	205
6 D	237	217	225	43	40	142	-144	59	144	169	180	-50	106	156	136	181	205	247	355	302	411	327	150	5	160
7 D	-52	380	278	71	52	94	89	172	162	132	62	142	161	174	210	263	267	274	275	259	277	261	293	249	189
8	279	245	233	251	233	220	207	208	203	201	191	204	211	214	219	220	225	228	232	243	252	256	266	245	229
9	251	257	242	147	194	114	121	164	195	197	170	194	213	220	227	236	234	232	229	237	239	249	261	255	212
10	262	261	231	195	187	185	187	188	187	217	219	222	225	226	226	221	215	219	227	236	236	238	239	238	220
11	225	226	231	225	219	187	84	103	181	188	187	200	207	208	214	219	214	219	219	218	219	222	203	219	202
12 Q	218	217	214	213	213	213	213	213	213	211	211	211	211	208	207	205	205	202	201	206	209	212	213	211	210
13 Q	207	207	207	207	207	207	208	211	209	209	208	208	209	207	204	203	202	202	202	206	207	209	208	206	207
14 Q	206	206	205	205	205	205	205	205	205	203	202	203	205	203	202	203	201	202	202	202	206	208	207	206	204
15	203	203	205	205	206	206	207	205	203	201	200	199	194	189	193	189	194	199	214	224	231	233	237	231	207
16	220	214	213	210	212	212	212	210	212	209	209	210	208	208	207	201	200	203	210	214	212	213	209	209	210
17	209	206	206	208	208	207	207	207	201	195	196	201	204	206	208	206	203	206	208	208	208	204	214	210	206
18	211	210	178	200	216	208	206	182	172	157	153	164	183	189	194	196	199	214	229	247	268	270	249	237	206
19	227	223	220	214	209	183	198	208	209	209	208	208	203	200	201	201	201	208	214	217	220	227	225	220	210
20	215	213	214	207	208	177	176	182	194	193	189	198	201	201	200	206	209	212	215	217	218	222	222	224	205
21	233	224	218	213	212	210	208	184	182	195	203	209	210	210	207	201	200	210	215	217	218	222	219	215	210
22 Q	211	208	206	206	202	199	203	206	203	203	203	205	203	203	201	198	199	200	201	201	202	201	201	201	203
23 Q	201	201	201	201	201	201	201	201	201	201	200	201	200	200	196	197	200	201	202	203	204	202	201	201	201
24	201	201	201	203	201	201	201	201	199	199	198	195	196	192	189	178	185	203	231	220	215	207	204	203	201
25 D	205	205	203	204	156	10	44	63	39	68	47	85	104	161	178	174	295	393	323	250	300	256	245	286	179
26 D	300	179	78	117	111	59	23	60	62	30	94	98	162	196	196	233	232	226	224	239	231	231	244	229	160
27	227	225	221	166	188	209	215	202	205	165	90	132	147	188	203	209	220	238	246	244	241	258	240	240	205
28	232	234	221	215	211	151	74	98	99	74	60	99	130	149	178	183	194	215	243	226	224	228	221	219	174
29	227	223	218	213	208	179	157	141	129	127	80	104	160	124	148	199	221	233	236	241	233	237	234	227	187
30	221	215	204	210	209	180	152	98	110	154	158	154	152	179	196	209	213	223	227	227	226	224	221	225	191
31	213	216	217	206	199	202	180	148	171	191	190	202	197	197	202	203	202	213	229	235	232	224	218	219	205
Mean	216	222	210	191	188	171	153	163	168	166	163	168	184	191	196	204	212	223	231	229	235	232	229	221	199

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt — October 1960

Day	Horizontal Intensity						Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 +			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	11	15	827	05	28	662	165	14	10	36.6	03	26	12.2	24.4	21	20	291	10	35	-14	305
2	11	06	835	07	23	644	191	09	13	45.2	06	26	0.5	44.7	18	27	277	09	20	-7	284
3	11	10	833	16	40	786	47	10	25	39.7	13	58	13.6	26.1	00	12	218	10	46	134	84
4	19	40	878	15	28	713	165	18	35	44.6	23	24	3.4	41.2	23	02	346	10	01	181	165
5	21	43	863	06	02	730	133	05	55	35.3	22	41	4.9	30.4	23	24	330	05	56	87	243
6 D	20	39	1651	07	35	197	1454	23	39	145.7	02	50	-21.8	167.5	20	20	516	23	38	-446	962
7 D	00	06	1077	03	31	-295	1372	03	40	199.5	03	29	-10.0	209.5	01	15	547	03	30	-815	1362
8	23	27	815	01	13	697	118	10	30	35.4	01	20	-15.2	50.6	01	09	310	10	31	182	128
9	22	20	832	03	40	669	163	03	33	15.8	22	42	1.4	14.4	22	20	289	05	57	47	242
10	02	46	822	15	99	756	66	02	06	34.2	02	48	4.1	30.1	01	31	282	03	00	161	121
11	11	13	821	06	06	620	201	06	58	54.7	08	23	6.8	47.9	02	15	233	06	52	9	224
12 Q	23	43	837	15	38	786	51	20	06	25.1	13	25	13.4	11.7	00	00	219	18	23	200	19
13 Q	22	04	860	15	37	787	73	19	30	26.1	13	40	10.9	15.2	21	50	219	17	02	200	19
14 Q	23	49	847	16	40	796	51	20	00	24.8	13	40	12.3	12.5	21	35	213	15	37	200	13
15	04	00	852	13	23	749	103	18	32	32.4	15	48	13.1	19.3	21	48	244	15	39	182	62
16	21	19	834	16	00	783	51	17	25	24.7	03	17	12.9	11.8	00	00	226	16	23	198	28
17	01	45	837	15	20	783	54	19	03	24.2	13	20	12.9	11.3	22	28	217	09	30	194	23
18	01	52	848	08	38	763	85	02	03	35.3	07	29	6.6	28.7	20	37	290	10	00	134	156
19	05	14	826	16	17	767	59	17	13	28.1	05	10	8.5	19.6	00	00	232	05	31	173	59
20	10	38	829	15	34	762	67	05	30	30.4	08	52	12.0	18.4	23	56	235	05	36	170	65
21	10	28	823	15	01	779	44	07	19	32.1	12	14	12.0	20.1	00	20	238	08	03	172	66
22 Q	23	13	838	14	41	784	54	18	00	23.3	13	10	11.9	11.4	00	00	214	05	28	196	18
23 Q	23	05	846	15	05	789	57	18	32	24.8	14	08	12.8	12.0	19	14	207	14	54	195	12
24	11	05	843	16	21	717	126	17	24	32.7	15	00	2.6	30.1	18	37	238	15	35	173	65
25 D	20	44	848	09	14	579	269	19	11	38.4	08	51	-4.1	42.5	17	07	473	07	27	-41	514
26 D	20	22	813	01	45	286	527	01	47	87.7	02	12	-19.0	106.7	00	31	326	06	00	-127	453
27	12	47	827	10	50	706	121	10	40	47.7	02	00	1.3	46.4	21	37	276	10	49	53	223
28	23	57	813	09	53	680	133	10	09	61.6	02	05	-0.8	62.4	18	35	257	10	12	2	255
29	05	35	835	10	10	720	115	11	15	52.5	01	12	-14.6	67.1	19	19	253	11	08	48	205
30	12	35	838	08	15	688	150	08	11	41.9	24	00	-10.7	52.6	20	20	233	07	51	38	195
31	11	24	830	14	28	765	65	07	21	33.9	00	03	-12.4	46.3	19	07	241	07	10	135	106
Mean			870			666	204			45.6			2.6	43.0			280			65	215
No. days			31			31	31			31			31	31			31			31	31

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 41 Agincourt — H = 15,000 γ + — November 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	815	813	819	813	828	823	807	804	816	819	822	819	812	804	810	778	786	793	801	804	811	811	815	819	810
2	820	822	810	804	807	808	804	802	794	803	806	808	797	796	792	784	783	790	797	808	818	804	816	812	803
3	804	783	799	809	812	815	812	809	804	798	808	814	808	797	784	782	778	789	803	811	819	813	813	806	803
4 D	789	761	741	757	738	780	712	660	739	718	792	813	802	769	706	701	768	773	783	801	800	809	793	799	763
5	806	812	808	806	800	793	799	797	804	809	814	819	808	785	779	783	783	788	799	804	808	812	813	818	802
6	820	819	820	819	820	819	810	807	808	815	820	825	826	811	789	775	773	779	785	799	805	815	819	820	808
7 Q	813	809	805	801	808	796	790	793	805	810	823	824	819	807	794	784	780	784	793	803	815	824	827	830	806
8 Q	830	828	826	826	825	825	825	826	826	830	827	825	828	799	784	777	779	785	795	810	820	826	825	821	815
9 Q	815	812	812	811	820	814	822	828	826	830	831	831	825	809	785	778	784	793	806	818	825	827	831	833	815
10	832	832	831	831	832	833	836	846	847	847	841	836	831	828	813	803	805	805	822	832	844	847	852	851	832
11	848	837	837	838	837	834	822	827	834	838	839	864	833	817	799	792	789	794	805	822	827	831	831	824	826
12	824	823	823	822	820	821	821	824	823	825	827	826	822	799	798	823	824	772	730	804	826	864	904	850	821
13 D	967	986	1018	1078	714	742	365	397	247	-353	-417	602	530	765	630	652	773	793	881	848	784	786	767	775	639
14 D	802	810	768	761	762	754	751	773	777	772	780	776	773	766	759	757	767	748	772	807	797	796	777	792	775
15 D	802	794	815	803	803	814	799	779	778	785	802	786	777	696	710	711	705	726	782	827	813	851	978	956	796
16 D	963	956	802	706	471	654	620	588	584	700	746	775	746	737	746	750	777	769	770	782	786	795	801	807	743
17	784	787	807	804	802	799	795	799	791	804	809	809	803	789	787	781	773	765	768	794	803	801	802	807	794
18 Q	806	806	798	809	805	804	801	801	803	802	806	805	798	786	783	788	797	799	808	813	814	814	815	817	803
19 Q	818	818	818	818	818	822	822	825	824	824	827	834	824	817	801	793	790	794	805	815	824	833	831	831	818
20	826	815	815	821	817	817	815	815	818	826	830	823	823	817	816	815	815	809	818	823	831	836	832	835	821
21	829	829	826	824	825	810	784	785	798	781	825	804	794	809	784	748	734	753	788	805	809	815	805	795	798
22	791	780	795	784	770	749	796	773	763	808	805	802	803	799	785	780	784	800	811	816	825	815	809	819	794
23	821	819	814	816	815	814	815	810	817	821	822	832	828	818	809	805	804	809	811	815	817	825	820	817	816
24	810	811	811	821	821	820	814	810	818	824	826	827	826	825	821	820	821	827	832	840	841	837	802	770	820
25	779	792	780	727	749	778	792	786	756	783	789	812	825	802	764	777	775	779	806	817	815	804	799	799	787
26	810	809	792	793	802	808	816	807	806	821	822	821	811	817	818	812	808	811	817	821	808	818	824	822	812
27	816	823	827	822	821	809	817	809	812	832	837	839	841	835	827	817	800	793	784	810	823	806	812	816	818
28	797	825	824	819	809	812	815	812	806	797	818	832	832	812	812	807	800	802	817	817	822	826	831	830	816
29	822	822	825	827	837	841	833	830	831	835	837	840	846	843	836	822	816	817	826	832	833	832	833	835	831
30	833	828	825	834	823	825	824	828	830	829	833	838	833	823	814	812	812	812	815	839	839	858	872	817	829
31																									
Mean	823	822	816	813	794	801	785	782	780	768	775	812	804	799	784	780	786	788	801	815	817	821	825	821	800

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt — D = 7° W + ... ′ — November 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	17.4	17.5	18.2	16.5	28.3	22.8	18.2	22.0	18.9	16.4	15.5	16.6	17.1	16.4	18.3	18.2	20.1	24.6	24.6	23.6	22.8	20.2	18.4	20.0	19.7
2	19.0	18.6	16.9	16.4	18.1	18.1	25.4	23.6	21.1	15.1	14.4	12.9	13.7	16.3	15.5	19.9	23.7	23.7	23.7	23.1	23.0	19.9	20.8	19.0	19.3
3	17.3	4.9	15.3	17.9	18.1	19.1	19.0	21.2	23.2	18.3	13.5	14.4	16.3	14.3	15.3	20.7	22.7	24.6	23.3	21.9	20.8	20.4	19.3	20.8	18.4
4 D	9.0	14.3	-4.2	10.7	20.9	15.7	19.1	22.9	19.6	21.8	10.0	12.3	15.9	15.1	19.9	23.4	25.2	25.6	25.3	22.7	20.1	20.0	19.1	17.3	17.6
5	15.1	17.1	17.3	12.5	16.1	15.1	17.1	17.0	17.4	15.7	18.9	18.9	17.1	18.1	20.7	21.6	23.5	24.3	24.0	22.6	20.9	19.5	19.1	18.9	18.7
6	19.0	18.9	19.0	19.3	18.6	18.9	18.2	16.3	16.7	18.6	16.0	15.3	17.6	16.3	15.2	19.3	23.5	26.2	27.1	25.6	22.7	21.7	19.8	18.9	19.5
7 Q	18.6	18.2	14.3	21.8	18.0	17.4	15.0	17.3	17.2	16.9	15.2	16.1	16.1	16.0	16.4	19.9	22.6	23.8	23.4	21.8	20.5	19.2	19.0	18.5	18.5
8 Q	18.0	18.0	18.0	17.9	18.2	18.6	18.7	18.7	18.1	17.0	16.0	15.9	14.3	13.2	14.9	18.8	22.5	25.0	25.5	24.3	22.5	21.4	20.5	20.5	19.0
9 Q	19.1	18.6	17.8	17.8	15.1	18.1	20.6	18.8	15.7	15.0	15.0	17.6	15.0	11.7	13.2	16.5	20.5	23.9	24.5	23.3	21.5	20.6	19.8	19.0	18.3
10	18.2	17.9	17.8	17.9	18.3	18.6	18.2	17.7	16.0	15.7	15.1	13.4	14.2	13.3	12.4	17.6	19.8	23.3	24.7	24.6	22.7	20.5	18.8	18.4	18.1
11	17.4	17.8	17.8	16.9	17.0	15.0	16.0	16.9	17.4	18.2	25.2	24.1	15.1	13.8	15.0	17.8	20.7	23.0	23.4	22.4	20.6	19.2	18.6	19.3	18.7
12	18.8	18.7	18.7	18.7	18.7	17.8	16.6	18.7	15.9	15.8	15.9	16.4	15.1	11.3	8.3	15.2	17.2	11.3	20.5	33.0	27.2	17.8	9.9	17.3	17.3
13 D	13.7	-3.1	18.6	8.9	13.9	34.9	81.9	90.5	69.8	85.1	137.7	18.6	23.1	9.3	7.3	15.5	15.1	16.6	3.6	7.7	11.4	18.4	12.9	14.9	30.3
14 D	7.6	12.8	16.6	18.9	23.2	31.9	36.2	22.7	22.3	21.7	21.3	20.2	18.6	15.6	16.4	13.8	19.3	21.5	19.4	19.2	20.3	20.4	21.0	14.1	19.8
15 D	15.0	18.9	18.4	17.7	18.8	20.9	22.0	22.5	21.1	20.5	19.5	21.5	22.3	27.2	16.7	10.0	12.2	29.7	22.6	14.9	20.4	15.8	-2.8	-1.8	17.7
16 D	19.1	9.4	31.2	16.1	60.6	33.6	34.4	38.5	46.2	21.5	16.4	20.2	24.0	18.7	21.4	22.3	18.5	22.4	23.1	22.6	20.8	20.5	20.6	20.8	25.1
17	15.9	8.7	13.8	18.8	19.8	22.5	21.4	21.6	24.0	23.1	17.7	16.8	17.0	17.1	17.0	18.9	18.8	21.5	26.3	24.2	22.2	23.3	21.9	16.6	19.5
18 Q	18.8	18.0	15.9	19.4	19.5	18.7	19.3	18.6	17.4	18.1	17.5	17.7	16.9	16.7	16.1	18.0	20.5	22.4	22.4	21.6	20.5	20.4	19.7	19.1	18.9
19 Q	18.7	18.7	18.8	18.8	19.0	19.4	19.0	18.8	18.4	17.6	16.2	13.6	15.0	14.2	16.0	17.6	20.5	22.8	24.2	23.3	21.3	19.7	18.6	17.9	18.7
20	17.8	17.9	17.0	16.8	17.9	19.0	19.8	18.8	18.9	20.0	15.6	16.1	15.9	16.8	24.1	24.0	28.5	27.0	24.1	21.3	19.9	19.4	17.9	18.3	19.7
21	18.9	18.7	18.9	19.6	17.5	23.1	21.7	20.5	23.4	27.2	14.2	19.9	28.7	26.3	24.0	27.0	29.0	25.2	29.9	25.0	21.1	18.0	15.7	15.0	22.0
22	15.9	7.8	3.3	16.3	20.4	34.4	20.6	18.5	28.1	18.7	15.9	18.4	19.8	17.3	18.4	23.5	25.5	27.9	26.5	22.7	19.7	19.1	17.1	18.2	19.8
23	19.0	18.1	15.4	16.9	20.0	21.2	23.7	18.1	16.7	15.3	19.9	17.0	15.3	15.5	20.0	22.0	24.1	24.7	23.6	21.8	21.3	20.9	20.7	19.9	19.6
24	18.3	17.0	16.0	18.0	18.9	19.0	18.9	25.7	21.0	16.5	15.6	15.5	15.4	15.2	17.2	18.6	20.8	21.8	21.0	20.4	19.7	19.5	20.8	16.1	18.6
25	13.8	16.1	15.4	-1.8	7.1	10.4	17.3	22.7	31.3	23.7	27.3	26.2	20.7	16.9	30.7	29.4	27.5	29.1	28.5	25.3	20.9	21.1	21.5	18.2	20.8
26	17.6	16.9	15.2	14.5	22.7	16.3	18.2	21.8	24.7	19.7	15.9	18.7	25.0	18.3	16.3	17.4	19.0	20.2	21.0	21.3	21.6	21.8	20.3	18.4	19.2
27	16.3	17.4	18.3	18.6	18.3	15.8	21.8	20.2	22.9	17.5	13.9	16.0	17.1	18.3	25.7	24.7	24.4	26.6	29.0	24.7	23.4	20.2	18.5	18.6	20.3
28	8.3	16.2	17.5	18.0	18.3	17.1	18.5	16.4	16.5	18.7	19.2	15.7	16.2	17.5	19.6	20.2	22.0	23.2	22.7	22.2	20.5	20.1	19.3	18.9	18.4
29	19.3	17.2	17.6	18.5	19.7	19.1	18.6	17.4	16.9	16.4	17.0	19.3	16.9	16.0	16.3	18.7	20.7	22.4	23.8	23.0	22.1	21.0	19.9	17.3	19.0
30	18.4	17.6	18.3	15.6	15.6	19.3	19.0	18.9	18.7	15.6	15.6	15.8	16.4	16.2	16.1	18.6	21.0	23.4	25.8	25.6	24.7	25.6	30.3	20.2	19.7
31																									
Mean	16.6	15.5	16.4	16.5	19.9	20.4	22.5	22.8	22.5	20.7	20.9	17.4	17.7	16.3	17.5	19.6	21.6	23.6	23.6	22.5	21.2	20.2	18.6	17.6	19.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Agincourt $Z = 56,000\ \gamma +$ November 1960

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		215	215	215	205	178	179	197	197	203	208	205	208	209	207	205	209	211	210	211	215	215	221	221	215	207
2		213	210	213	215	212	207	182	165	160	178	185	189	196	202	202	202	207	210	210	215	221	223	227	225	203
3		225	221	215	217	214	207	208	197	185	176	172	196	196	204	202	197	198	207	208	215	224	232	257	281	211
4	D	262	250	197	160	147	99	151	172	166	147	155	169	190	204	202	233	243	234	233	237	235	233	240	242	200
5		233	221	215	196	187	195	191	180	172	191	203	209	210	213	212	206	212	214	215	215	215	216	215	213	206
6		212	211	210	210	209	209	205	196	202	202	207	205	209	205	209	209	209	213	219	221	219	219	215	215	210
7	Q	214	213	209	209	210	203	198	196	196	208	208	208	212	213	206	203	204	209	210	210	210	210	210	208	207
8	Q	205	205	205	205	205	205	205	203	204	203	204	204	204	203	195	195	197	199	204	210	215	213	211	211	205
9	Q	212	215	214	210	200	206	204	197	200	204	203	203	205	203	198	197	197	200	205	210	210	210	208	206	205
10		205	204	203	203	203	203	203	203	201	199	197	198	198	197	190	192	191	192	198	203	202	200	198	197	199
11		197	197	199	202	198	198	193	191	200	196	167	142	166	185	191	192	197	202	208	209	203	203	205	208	194
12		206	205	203	203	202	197	196	197	198	198	197	198	200	194	186	180	178	169	195	260	254	294	382	333	218
13	D	59	330	313	325	97	200	-79	-161	-126	12	315	290	136	266	235	247	225	225	342	374	262	294	275	264	197
14	D	282	282	279	247	225	211	174	212	226	231	233	230	235	233	226	228	225	234	252	264	264	258	248	242	239
15	D	234	239	228	229	228	221	216	197	203	210	222	216	220	224	242	251	259	291	288	337	325	377	448	416	263
16	D	232	308	142	122	143	247	227	148	109	122	214	242	216	225	236	241	242	236	238	247	246	239	235	240	212
17		246	241	233	222	224	224	218	216	216	207	214	218	222	222	221	219	221	226	233	240	242	240	239	234	227
18	Q	228	229	230	229	228	228	227	224	222	220	221	222	222	221	218	215	211	214	218	222	221	221	220	219	222
19	Q	217	217	217	217	216	216	216	216	214	213	212	210	209	209	206	206	210	212	216	217	216	217	211	211	213
20		211	211	210	211	205	202	198	198	203	198	198	201	206	203	199	193	201	203	209	212	216	217	212	212	205
21		212	214	211	210	204	164	155	128	121	137	181	168	161	190	187	199	225	259	276	270	240	234	241	247	201
22		251	245	198	212	180	96	185	178	176	204	202	204	202	208	211	217	223	226	223	217	217	217	219	217	205
23		215	213	211	210	210	204	180	180	193	199	199	194	202	204	200	201	209	211	213	215	215	215	215	218	205
24		223	225	225	217	216	211	203	196	193	203	202	203	203	202	196	195	198	201	203	205	204	205	227	262	209
25		237	218	214	170	137	157	173	176	94	137	156	142	179	193	199	201	211	229	236	235	254	279	272	256	198
26		232	223	220	206	171	198	205	203	166	177	185	199	196	198	198	196	203	206	212	220	220	221	220	217	204
27		217	216	213	211	211	209	206	204	203	205	201	206	206	204	198	198	198	207	234	230	229	229	229	224	212
28		227	223	218	210	194	164	182	173	178	169	182	186	191	197	209	204	204	204	206	206	209	207	207	206	198
29		208	208	206	204	200	188	198	199	202	199	198	195	196	197	193	194	198	198	204	206	204	204	208	206	201
30		204	208	206	198	199	203	199	199	198	193	194	194	198	199	199	198	195	197	199	204	204	210	318	245	207
31																										
Mean		218	227	216	210	195	195	187	179	176	185	201	202	200	208	206	207	210	215	224	231	227	232	241	236	209

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt — November 1960

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	04	31	845	15	08	773	72	04	41	32.9	03	23	12.5	20.4	21	57	226	04	58	154	72
2	21	11	832	19	59	782	50	07	15	28.6	11	25	10.1	18.5	22	02	228	07	16	151	77
3	22	31	860	04	27	758	102	17	23	25.4	01	36	-7.5	32.9	21	33	334	13	39	166	168
4 D	21	56	826	07	10	586	240	04	38	38.5	02	36	-35.5	74.0	00	22	358	05	05	-56	414
5	11	01	824	14	31	778	46	18	06	24.7	03	27	5.1	19.6	00	00	252	08	30	169	83
6	12	52	804	16	17	772	32	18	01	27.4	14	06	13.4	14.0	19	52	227	07	20	189	38
7 Q	23	30	832	16	35	780	52	18	14	24.1	02	33	8.0	16.1	13	15	215	08	10	192	23
8 Q	09	35	833	15	48	777	56	18	07	26.0	13	55	11.3	14.7	18	40	216	14	42	195	21
9 Q	23	28	836	15	42	778	58	18	22	24.9	04	15	8.9	16.0	02	19	216	07	31	191	25
10	22	31	856	15	15	795	61	18	52	25.2	14	46	9.1	16.1	07	21	207	15	14	186	21
11	11	36	879	16	33	756	123	10	54	37.9	13	20	9.3	28.6	19	34	215	11	19	136	79
12	22	50	1512	18	58	678	834	19	08	60.1	21	10	-6.4	66.5	22	48	472	17	15	164	308
13 D	03	00	1330	10	40	-649	1979	10	30	245.0	14	40	-65.9	310.9	06	30	840	10	40	-1014	1854
14 D	01	12	912	06	00	717	195	06	00	51.7	00	52	-11.5	63.2	01	20	447	01	06	130	317
15 D	22	37	1195	13	30	627	568	13	30	39.7	22	21	-21.8	61.5	22	38	596	07	51	181	415
16 D	01	02	1251	04	36	208	1043	04	35	98.5	01	02	-26.8	125.3	01	06	408	02	40	-199	607
17	23	50	835	17	10	756	79	08	56	29.6	01	42	3.1	26.5	00	51	252	09	45	201	51
18 Q	24	00	819	14	06	783	36	18	07	22.7	02	25	13.6	9.1	02	45	234	16	31	210	24
19 Q	12	24	843	16	59	790	53	18	33	24.2	11	33	11.5	12.7	19	28	218	12	04	205	13
20	21	15	845	05	40	804	41	16	09	29.8	10	45	12.3	17.5	21	05	221	15	22	192	29
21	05	02	842	16	25	709	133	09	30	39.9	10	57	7.9	32.0	18	54	290	10	30	81	209
22	20	40	835	05	40	715	120	05	31	41.9	02	21	-9.5	51.4	01	31	268	05	30	58	210
23	06	40	837	07	06	797	40	06	48	26.2	03	00	10.7	15.5	23	53	223	06	47	158	65
24	20	54	856	24	00	771	85	07	45	28.8	13	01	10.9	17.9	23	36	273	07	58	186	87
25	12	30	842	03	40	696	146	08	13	40.5	03	44	-8.4	48.9	21	15	320	08	27	70	250
26	09	50	832	02	51	784	48	08	00	31.2	03	55	10.9	20.3	00	00	242	08	18	142	100
27	12	10	847	18	01	767	80	18	02	31.9	09	13	11.6	20.3	17	57	244	08	05	189	55
28	05	51	839	00	28	786	53	04	50	26.7	00	43	-0.1	26.8	00	35	231	05	15	147	84
29	05	00	854	17	20	813	41	18	15	24.1	22	55	13.7	10.4	22	56	213	05	15	180	33
30	22	36	915	23	30	805	110	22	26	36.8	04	17	11.9	24.9	22	35	426	03	44	189	237
31																					
Mean			908			690	219			41.5			4.1	41.1			304			105	199
No. days			30			30	30			30			30	330			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 45 Agincourt — H = 15,000 γ + — December 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	827	810	777	764	706	518	655	795	684	726	762	793	776	746	741	712	717	770	788	763	795	805	769	780	749
2 D	787	788	788	794	797	790	804	802	801	798	811	823	806	801	808	794	779	791	801	809	799	794	807	809	799
3	813	814	809	806	813	813	813	811	811	808	817	826	822	813	809	804	801	803	812	816	818	823	824	824	814
4 Q	826	827	827	826	826	828	822	827	828	830	831	835	831	822	803	793	791	797	806	812	822	825	825	827	820
5	822	823	823	827	819	823	825	826	827	831	837	838	843	834	817	812	807	808	817	817	833	838	842	847	826
6	846	844	843	837	831	839	829	826	827	835	838	827	853	851	831	819	803	805	807	812	822	817	820	818	828
7	818	818	815	823	839	817	821	825	827	833	836	840	833	811	813	804	801	804	823	828	827	822	833	834	823
8	822	803	791	761	777	802	788	797	816	816	821	832	827	816	800	787	781	786	801	809	817	824	828	829	805
9	828	826	816	800	796	800	820	815	808	801	811	828	828	817	787	792	780	781	784	793	810	819	819	817	807
10	822	825	817	812	815	823	828	827	827	830	829	833	828	823	810	801	791	797	805	812	813	826	837	837	819
11 Q	837	833	833	833	832	833	837	827	826	832	835	836	832	830	826	810	812	812	822	834	837	825	836	837	829
12	835	834	822	816	826	824	820	823	825	827	832	833	837	827	808	786	780	784	783	796	802	811	811	804	814
13	792	795	791	774	789	789	791	793	790	812	816	816	815	823	806	790	783	790	801	811	816	821	831	835	803
14 Q	834	835	836	831	831	831	835	834	835	843	846	850	852	846	833	817	811	820	827	830	831	836	837	831	834
15 D	822	812	812	810	811	814	808	805	807	840	856	849	827	786	747	760	752	770	800	815	806	820	777	771	803
16 D	755	761	769	736	729	722	685	638	712	672	733	770	787	815	811	795	787	800	805	810	814	820	827	825	766
17 Q	826	828	826	822	818	814	806	811	808	822	826	826	827	827	822	817	815	818	821	817	825	832	839	840	822
18	836	831	817	815	816	813	780	785	811	800	831	856	838	820	811	807	776	809	811	801	802	810	811	804	811
19	804	816	827	823	827	826	821	823	817	819	816	827	831	836	833	818	807	815	819	822	826	813	822	827	821
20	830	835	826	837	852	826	828	823	820	814	831	832	826	821	815	809	810	806	811	802	786	811	811	826	821
21	821	841	833	829	829	827	822	826	831	831	833	835	836	833	810	777	805	829	828	828	808	788	815	828	822
22	812	818	826	820	819	800	811	813	824	810	810	825	835	822	818	810	801	821	835	838	834	831	827	821	820
23	832	825	826	821	829	825	815	811	811	825	825	810	830	813	825	825	820	820	826	829	835	835	840	840	825
24	839	829	825	829	827	830	834	831	832	835	838	839	834	808	816	819	814	804	831	847	846	837	820	830	829
25 Q	832	824	835	832	833	832	832	833	835	835	832	834	834	829	811	809	810	815	819	826	835	835	834	830	828
26	815	831	835	840	829	840	812	809	819	843	845	843	834	837	836	829	825	833	840	843	854	855	855	855	836
27 D	855	862	845	830	840	836	813	799	783	782	805	823	805	835	813	733	762	753	778	814	796	814	800	794	807
28	778	795	810	815	815	812	806	811	798	811	804	797	830	820	790	789	790	807	811	804	807	823	825	823	807
29	812	810	809	824	826	819	818	820	821	825	825	835	834	825	816	790	790	819	835	825	825	825	830	825	820
30	820	825	826	826	835	835	830	827	819	833	831	825	829	827	814	815	807	804	795	821	835	830	835	834	824
31	835	830	829	828	826	837	831	840	825	816	837	836	825	819	806	772	783	791	804	811	819	824	825	829	820
Mean	820	821	818	814	815	808	808	811	810	814	823	828	827	820	809	797	793	802	811	816	819	822	823	824	815

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt — D = 7° W + ... ′ — December 1960

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	18.3	18.4	15.4	13.7	9.8	23.0	26.7	31.1	18.4	19.2	21.1	20.3	20.2	33.1	35.6	31.1	36.5	31.7	28.5	27.1	25.7	21.4	20.3	22.1	22.6
2 D	17.5	17.3	14.5	18.0	18.6	21.8	24.8	20.1	19.2	26.6	24.2	26.8	23.2	28.6	29.7	26.2	27.5	27.6	24.6	23.6	22.6	18.5	18.4	20.1	22.5
3	17.9	18.4	18.4	14.9	19.4	19.8	19.4	19.1	19.2	20.3	19.4	17.1	16.7	17.1	17.6	20.1	21.3	22.8	22.9	22.1	21.0	20.3	20.1	19.8	19.3
4 Q	19.4	18.7	18.6	19.2	19.3	19.0	21.0	21.4	19.3	17.6	17.5	19.2	20.2	21.4	19.1	22.5	24.5	26.6	26.8	25.8	23.9	22.1	20.3	19.1	20.9
5	18.5	18.1	18.0	18.8	17.7	16.4	18.1	18.4	16.7	15.8	15.9	21.0	22.3	16.0	18.7	20.4	21.7	23.9	25.9	24.6	21.4	19.5	19.3	18.5	19.4
6	17.7	17.6	17.9	18.5	18.0	17.4	16.7	16.9	17.7	14.0	14.0	21.3	26.4	21.1	25.7	26.6	27.9	29.3	28.2	29.6	27.0	19.6	20.4	18.0	21.1
7	17.5	17.4	16.2	16.7	18.1	16.0	17.2	16.7	16.9	18.8	14.7	14.0	15.4	19.4	17.6	20.4	24.4	24.9	25.1	25.2	27.8	31.3	19.3	23.1	19.8
8	21.3	17.4	14.8	17.4	8.2	15.8	17.7	13.4	14.4	16.3	20.1	18.5	15.7	14.4	14.2	17.6	19.5	21.5	22.8	22.3	22.0	20.6	20.0	19.2	17.7
9	18.5	18.3	19.5	14.6	18.6	23.4	18.5	20.1	19.1	24.2	21.2	20.7	19.5	17.6	20.6	18.3	21.3	22.9	24.0	23.5	21.5	21.5	20.5	19.4	20.3
10	21.5	22.2	17.8	16.5	18.6	18.7	20.2	18.7	18.0	18.5	20.4	20.5	17.8	14.9	15.5	17.3	19.2	22.2	23.3	22.9	22.4	20.5	19.5	19.3	19.4
11 Q	18.6	18.0	17.8	18.2	17.8	19.2	18.6	17.7	18.4	18.3	17.7	18.6	18.6	21.1	18.0	18.7	20.3	21.6	22.8	21.9	21.9	22.5	21.6	20.5	19.5
12	18.7	17.0	16.9	17.0	17.4	17.4	19.5	21.0	18.5	18.3	18.7	21.9	17.3	15.0	19.0	23.7	26.0	27.0	26.9	28.6	23.8	22.4	19.8	24.7	20.7
13	17.1	14.8	14.9	13.9	15.0	17.9	13.9	15.5	23.9	20.4	20.3	20.7	26.8	19.2	16.3	17.9	19.4	21.2	21.3	21.1	21.3	21.2	19.9	18.9	18.9
14 Q	18.1	17.6	17.6	18.0	18.4	18.5	19.7	18.0	19.5	17.8	16.9	16.0	15.4	15.6	15.6	18.8	20.5	20.6	19.7	18.7	19.6	19.5	17.9	17.9	18.2
15 D	18.6	17.9	16.8	15.1	15.7	16.8	15.5	14.3	16.3	22.1	34.7	34.4	33.8	28.6	27.1	27.7	26.7	24.2	23.4	21.1	22.5	23.2	23.4	21.4	22.6
16 D	21.3	8.3	1.1	4.7	9.8	9.9	11.8	9.8	4.1	19.9	18.6	16.2	20.5	16.5	16.7	18.8	20.7	22.4	22.5	23.2	23.2	22.5	24.8	21.5	16.2
17 Q	19.7	18.7	18.5	18.8	18.7	19.9	22.5	17.1	16.1	17.8	18.7	18.3	17.7	16.9	17.5	20.1	22.0	22.4	21.6	21.1	22.4	22.4	19.7	18.6	19.4
18	18.1	18.6	18.8	16.7	20.2	17.9	21.3	10.1	15.6	19.8	26.9	21.5	21.8	20.3	19.3	25.5	32.2	30.6	24.9	24.9	21.5	19.7	19.2	17.0	20.9
19	15.4	15.5	18.0	17.3	18.1	18.8	19.5	17.9	17.8	16.8	22.3	20.5	16.9	15.4	15.7	17.8	21.3	21.4	21.6	21.4	21.6	11.5	19.8	18.0	19.0
20	17.8	17.3	16.3	15.4	23.8	18.1	18.7	19.8	21.8	27.2	20.6	20.7	18.7	16.9	15.6	18.4	22.8	24.0	22.6	24.1	20.6	21.5	20.6	17.0	20.0
21	10.5	11.4	15.1	19.8	19.8	20.4	19.9	18.7	18.8	19.7	20.5	18.4	15.2	14.6	17.0	27.9	28.3	26.9	24.3	22.6	24.1	24.4	21.6	17.1	19.9
22	9.5	12.9	18.8	18.4	19.6	24.3	17.0	17.4	18.0	21.4	24.1	20.4	17.0	15.7	17.2	21.4	27.0	26.4	23.9	21.5	20.6	18.9	18.7	12.2	19.3
23	12.2	16.7	16.4	18.1	20.3	23.2	19.8	16.0	17.3	19.5	18.1	22.7	24.4	20.3	23.0	24.2	23.4	23.4	22.6	22.1	20.7	18.2	17.9	17.7	19.9
24	17.6	18.0	16.3	18.1	18.0	18.1	18.2	18.1	18.9	22.3	19.1	16.9	16.1	18.1	18.0	18.9	22.1	25.7	26.5	23.5	21.3	19.8	19.0	17.0	19.4
25 Q	17.0	12.1	12.4	18.0	18.8	18.9	18.8	18.8	19.0	18.5	19.9	19.1	17.0	16.4	17.5	19.2	21.5	22.3	21.6	21.0	20.7	19.1	18.1	18.0	18.5
26	11.2	13.6	17.3	17.7	17.7	15.6	18.1	15.0	22.9	17.5	15.9	16.1	20.3	17.8	17.0	20.7	22.1	21.5	20.1	19.6	19.1	17.9	18.0	17.9	17.9
27 D	17.3	16.9	16.9	16.9	17.1	18.2	17.0	5.3	7.8	7.8	11.5	12.8	17.5	27.7	34.5	26.0	34.8	29.3	30.8	26.2	21.7	15.8	15.4	17.5	19.3
28	13.5	15.3	18.1	18.2	20.2	20.2	19.6	22.6	21.7	24.3	26.8	28.1	17.9	16.2	23.7	28.8	28.6	27.3	23.8	22.7	20.7	20.5	19.1	18.8	21.5
29	18.2	18.0	11.6	17.7	19.7	18.7	20.8	24.2	18.0	18.8	23.6	17.0	16.5	16.2	20.1	25.3	33.8	28.3	24.4	23.3	21.9	20.8	19.1	19.5	20.6
30	19.0	19.0	19.7	19.2	24.8	25.6	20.2	19.4	22.1	19.1	15.1	16.5	17.7	18.7	23.9	25.5	24.7	24.3	28.2	28.2	23.9	20.7	19.0	18.8	21.4
31	18.1	18.4	18.5	17.7	18.5	21.3	19.1	15.3	16.9	20.8	19.2	17.7	18.9	18.6	18.6	23.7	27.1	26.4	24.3	23.4	23.7	22.7	21.6	19.6	20.4
Mean	17.3	16.8	16.4	16.0	17.9	19.0	19.0	17.7	17.8	19.3	19.9	19.8	19.5	19.0	20.2	22.2	24.8	24.9	24.2	23.4	22.3	21.9	19.8	19.0	19.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Agincourt $Z = 56,000\ \gamma +$ December 1960

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	218	234	191	57	111	4	41	38	145	144	162	186	193	180	180	205	285	278	246	253	259	272	297	298	187
2 D	241	230	221	213	215	215	219	209	198	188	185	196	191	213	200	200	205	211	221	223	228	233	226	222	213
3	217	215	211	204	186	199	203	204	201	198	198	201	203	205	204	207	205	208	210	211	210	210	208	207	205
4 Q	206	204	204	204	203	202	201	199	201	204	203	203	203	202	198	201	204	207	213	213	211	210	209	207	205
5	206	207	204	199	193	189	196	199	203	199	198	191	185	189	188	187	193	199	204	205	204	199	199	198	197
6	198	198	196	196	193	182	193	193	191	174	174	174	157	161	164	167	184	200	214	229	235	252	225	217	194
7	211	206	210	203	170	182	199	202	204	200	190	185	187	191	191	189	198	203	206	207	213	257	251	256	205
8	278	284	201	167	156	175	190	199	209	199	191	202	209	209	207	206	207	208	211	211	211	210	207	206	206
9	204	204	207	217	203	172	187	192	190	181	185	189	192	199	203	213	210	212	215	223	223	221	221	218	203
10	217	213	211	210	209	204	200	204	205	204	203	198	204	205	203	204	209	210	213	216	215	215	210	205	208
11 Q	204	204	203	203	203	202	195	197	199	198	192	190	194	198	193	193	199	201	205	210	209	210	213	213	201
12	213	211	211	213	207	205	199	195	192	192	194	190	191	195	193	190	196	204	220	240	231	242	240	253	209
13	241	229	217	213	207	197	197	180	168	171	189	198	193	193	192	196	206	212	215	212	211	212	211	209	203
14 Q	205	203	203	203	203	203	198	198	197	198	197	197	195	192	189	189	187	197	203	198	197	199	199	199	198
15 D	198	200	198	195	192	178	156	138	112	112	109	108	130	153	174	211	243	273	320	316	291	334	290	278	205
16 D	295	333	319	275	232	208	157	110	136	56	87	179	194	209	208	205	210	211	211	210	210	215	216	214	204
17 Q	213	212	212	211	210	209	189	196	191	203	210	211	211	209	202	198	203	208	208	206	210	211	206	205	206
18	205	205	207	203	200	179	149	124	166	112	124	152	178	192	193	192	203	220	228	234	230	222	221	222	190
19	223	220	215	211	209	203	187	171	192	192	197	195	198	202	195	190	197	205	203	204	205	208	210	210	202
20	210	209	207	195	176	194	197	189	183	159	163	181	196	199	197	194	198	205	209	210	226	228	233	221	199
21	218	208	205	208	194	189	194	198	197	194	198	202	203	197	190	192	202	203	203	203	210	230	228	221	204
22	219	215	209	206	190	189	191	197	203	191	195	197	202	198	195	194	198	203	204	207	203	208	210	212	202
23	210	208	205	206	200	187	184	190	190	193	189	198	198	193	195	193	197	202	204	205	207	205	203	203	199
24	203	203	204	203	203	201	198	200	199	195	196	197	197	198	201	197	201	211	215	210	209	204	210	216	203
25 Q	210	208	203	201	203	203	203	202	197	196	198	202	203	204	199	203	206	210	209	206	206	204	203	202	203
26	200	202	202	199	197	177	197	197	168	177	194	192	191	190	190	194	194	198	201	199	197	193	193	195	193
27 D	193	193	195	202	205	198	178	168	164	186	177	168	157	147	158	181	239	250	264	296	255	279	251	245	206
28	247	231	224	216	213	215	209	209	161	149	149	157	196	199	196	206	212	210	211	213	216	217	212	211	203
29	215	212	208	213	210	205	197	180	182	178	169	189	194	191	186	191	209	210	205	204	205	204	205	208	199
30	208	207	204	203	189	179	199	202	189	186	195	193	193	192	187	190	198	209	216	213	211	205	206	206	199
31	205	204	203	203	197	174	196	188	172	164	178	192	194	207	201	210	216	217	223	222	216	215	212	211	201
Mean	217	217	210	202	196	188	187	183	184	177	180	188	191	194	193	196	207	213	217	220	218	223	220	219	202

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt — December 1960

Day	Horizontal Intensity							Declination							Vertical Intensity						
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +			Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1 D	03	43	915	05	17	166	749	07	20	56.7	03	25	-51.5	108.2	22	39	378	05	18	-198	576
2 D	11	30	840	13	00	757	83	14	09	33.1	02	54	5.6	27.5	00	00	251	10	16	164	87
3	04	03	835	17	41	798	37	04	20	24.6	03	50	-2.8	27.4	00	00	220	04	16	171	49
4 Q	11	03	835	16	10	788	47	18	04	27.5	11	02	16.5	11.0	19	00	216	14	15	196	20
5	24	00	852	19	15	797	55	18	58	28.6	05	00	13.1	15.5	18	57	211	12	40	185	26
6	12	30	875	21	30	800	75	12	09	33.7	09	39	9.1	24.6	21	32	263	12	43	143	120
7	04	05	857	18	07	799	58	21	06	35.9	10	33	12.1	23.8	22	05	295	04	17	150	145
8	00	07	847	03	39	716	131	03	37	27.2	02	23	-3.4	30.6	01	08	303	03	50	76	227
9	11	45	844	15	10	761	83	05	01	31.5	03	06	12.2	19.3	19	45	229	05	25	160	69
10	22	21	842	16	30	789	53	19	00	24.0	13	35	12.2	11.8	00	00	220	11	15	196	24
11 Q	20	03	833	15	40	808	25	21	13	23.3	10	25	16.5	6.8	22	45	216	11	50	189	27
12	12	18	844	16	20	774	70	19	16	31.6	13	30	14.0	17.6	23	41	262	11	54	187	75
13	23	51	836	03	25	770	66	12	50	30.4	06	15	10.3	20.1	00	00	251	08	58	157	94
14 Q	22	30	854	16	31	811	43	06	37	21.5	14	07	13.5	8.0	00	00	206	15	00	180	26
15 D	10	33	888	14	30	731	157	10	26	39.9	23	52	8.5	31.4	21	37	337	08	48	88	249
16 D	22	06	830	07	28	594	236	00	26	35.2	02	08	-3.3	38.5	02	01	371	09	41	1	370
17 Q	23	30	851	06	16	801	50	06	02	24.9	08	25	15.3	9.6	00	07	216	08	15	186	30
18	11	15	866	06	25	760	106	10	18	36.2	07	40	6.1	30.1	19	40	241	09	40	71	170
19	13	22	842	00	14	795	47	06	44	25.7	13	13	11.3	14.4	00	00	225	07	00	161	64
20	04	05	903	20	30	772	131	09	20	31.2	02	54	7.3	23.9	22	26	240	09	33	147	93
21	01	25	862	15	37	768	94	15	45	32.2	00	53	-2.3	34.5	21	38	241	05	23	183	58
22	19	15	848	05	25	791	57	05	25	34.6	00	26	3.1	31.5	00	20	228	05	25	178	50
23	23	10	845	08	30	804	41	05	39	27.8	00	36	8.8	19.0	19	42	210	05	59	178	32
24	20	40	856	13	49	791	65	18	04	28.1	23	07	13.1	15.0	17	58	222	09	59	191	31
25 Q	20	06	847	15	54	806	41	17	36	22.6	01	39	3.7	18.9	10	03	213	09	37	192	21
26	05	20	868	07	19	797	71	08	45	26.7	00	55	1.9	24.8	07	47	209	08	40	152	57
27 D	00	58	862	15	40	698	164	16	06	42.1	07	25	-4.2	46.3	19	36	326	13	28	132	194
28	12	40	839	11	03	763	76	10	55	38.8	00	18	10.0	28.8	00	25	256	11	03	126	130
29	12	15	842	15	54	774	68	16	36	37.3	02	00	5.0	32.3	01	05	219	10	08	159	60
30	05	01	853	18	16	780	73	05	04	31.7	10	24	14.4	17.3	18	45	222	04	55	159	63
31	10	35	846	15	27	761	85	16	54	28.5	08	55	11.3	17.2	19	12	228	09	10	156	72
Mean			853			752	101			31.4			6.1	25.3			249			142	107
No. days			31			31	31			31			31	31			31			31	31

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

HORIZONTAL INTENSITY (gammas) (All Days)

Table 49 Agincourt 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+8	+6	+5	+3	+4	+5	+3	+2	+3	+5	+6	+8	+9	+1	-9	-23	-29	-23	-12	-4	+3	+9	+11	+11
February	+8	+5	+2	+1	+1	+1	-1	+2	+5	+7	+9	+10	+9	+2	-9	-17	-20	-22	-14	-4	+5	+7	+8	+9
March	+15	+13	+7	+2	+3	-1	+3	+1	-7	+2	+8	0	+3	-6	-18	-30	-37	-27	-10	0	+10	+24	+28	+21
April	+36	+35	+16	-2	-9	-36	-35	-20	-22	-9	-5	-18	-24	-40	-42	-41	-26	-16	+13	+28	+51	+59	+50	+45
May	+8	+6	+7	+2	-4	-4	-1	-6	-2	-18	-2	-4	-13	-22	-30	-36	-18	-3	+9	+21	+31	+32	+28	+20
June	+21	+12	+4	-8	-9	-8	-11	-13	-14	-10	-8	-12	-13	-19	-21	-27	-24	-8	+11	+27	+34	+36	+34	+29
July	+18	-4	-4	-7	-1	-2	-10	-9	-8	-8	-4	-13	-17	-20	-25	-33	-31	-11	+10	+30	+38	+41	+33	+25
August	+15	+7	+4	+4	0	-7	-6	-11	-9	+1	+5	-1	-8	-19	-33	-38	-31	-17	+5	+20	+33	+30	+27	+21
September	+15	+13	+14	+1	+5	-3	-12	-21	-22	-20	-9	+4	-8	-17	-29	-33	-26	-11	+10	+22	+32	+41	+36	+24
October	+18	+3	+5	-3	-9	-10	-16	-21	-4	-9	-1	+6	+4	-9	-26	-28	-24	-10	+5	+13	+25	+34	+33	+28
November	+23	+22	+16	+13	-6	+1	-15	-18	-20	-32	-25	+12	+4	-1	-16	-20	-14	-12	+1	+15	+17	+21	+25	+21
December	+5	+6	+3	-1	0	-7	-7	-4	-5	-1	+8	+13	+12	+5	-6	-18	-22	-13	-4	+1	+4	+7	+8	+9
Year	+15.8	+10.3	+6.6	+0.4	-2.1	-5.9	-9.0	-9.8	-8.8	-7.7	-1.5	-0.4	-3.5	-12.1	-22.0	-28.7	-25.2	-14.4	+2.0	+14.1	+23.6	+28.4	+26.8	+21.9
Winter	+11.0	+9.8	+6.5	+4.0	-0.2	0.0	-5.0	-4.5	-4.2	-5.2	-0.5	+10.8	+8.5	+1.8	-10.0	-19.5	-21.2	-17.5	-7.2	+2.0	+7.2	+11.0	+13.0	+12.5
Equinox	+21.0	+16.0	+10.5	-0.5	-2.5	-12.5	-15.0	-15.2	-13.8	-9.0	-1.8	-2.0	-6.2	-18.0	-28.8	-33.0	-28.2	-16.0	+4.5	+15.8	+29.5	+39.5	+36.8	+29.5
Summer	+15.5	+5.2	+2.8	-2.2	-3.5	-5.2	-7.0	-9.8	-8.2	-8.8	-2.2	-7.5	-12.8	-20.0	-27.2	-33.5	-26.0	-9.8	+8.8	+24.5	+34.0	+34.8	+30.5	+23.8

DECLINATION (minutes) (All Days)

Table 50 Agincourt 1960

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	+1.6	+2.2	+1.8	+1.4	+0.3	+0.1	+1.0	+1.0	+1.9	+0.2	-0.1	+1.3	+3.2	+3.1	+0.9	-1.6	-3.6	-4.2	-3.8	-3.1	-2.1	-1.4	-0.4
February	-1.0	+0.2	+2.3	+1.7	+1.9	+1.9	+0.7	+1.2	+1.9	+1.9	+2.7	+1.6	+2.3	+3.8	+3.4	+0.8	-1.6	-3.8	-5.4	-5.3	-4.3	-3.4	-2.8	-1.8
March	-0.5	+0.5	+1.4	+1.6	+1.9	+1.1	+1.5	+1.3	+0.1	+2.1	+2.7	+2.9	+5.3	+6.0	+6.0	+2.8	-1.4	-6.3	-7.2	-8.0	-6.3	-4.5	-2.5	-1.3
April	+0.4	+4.0	+1.2	+1.0	+2.7	+0.0	-1.2	+1.7	+0.8	+1.2	+2.7	+3.6	+5.3	+5.8	+3.1	-0.8	-4.0	-4.7	-6.3	-7.6	-5.0	-3.1	-1.7	0.0
May	+0.8	+1.3	+1.8	+1.3	+0.2	+0.4	+0.4	+1.7	+0.6	+2.2	+5.1	+7.4	+7.0	+5.4	+1.9	-2.6	-6.2	-7.6	-7.3	-6.2	-4.7	-2.8	-0.7	0.0
June	-0.3	+0.7	+1.8	+0.4	+1.0	+0.7	+0.1	+0.5	+1.0	+2.0	+4.6	+5.1	+6.6	+6.1	+3.6	+0.6	-3.6	-5.9	-6.8	-6.5	-4.7	-3.2	-2.0	-0.9
July	-0.6	+1.1	+2.1	+1.2	+1.4	+1.7	+2.0	+0.3	-0.9	0.0	+2.6	+3.9	+4.9	+6.0	+4.4	+0.4	-3.9	-6.1	-6.7	-5.7	-3.9	-2.3	-1.7	-0.9
August	+1.6	+1.8	+1.6	+4.0	+0.9	+2.7	+1.5	-0.2	-0.9	+0.5	+4.4	+5.7	+7.6	+7.3	+4.5	-1.2	-5.8	-8.8	-9.6	-8.1	-5.8	-3.6	-1.2	+0.6
September	+0.7	+0.9	+1.1	-0.9	0.0	+0.9	+0.9	+3.0	+3.0	+3.1	+4.3	+5.9	+6.3	+5.2	+2.3	-2.8	-6.3	-8.4	-7.8	-5.5	-3.2	-1.9	-0.3	0.0
October	+1.8	+3.9	+3.7	+2.6	+3.2	+1.8	+1.3	+2.6	+2.6	-0.1	-1.4	-3.4	+0.3	+1.6	-0.3	-1.9	-4.6	-5.0	-4.7	-4.0	-2.0	-0.3	+1.3	+1.7
November	+2.6	+3.1	+3.5	+3.9	+2.0	+0.9	+0.9	+2.2	+2.1	+0.6	0.0	+0.1	+0.4	+0.9	-0.3	-2.3	-4.9	-5.0	-4.3	-3.5	-2.4	-2.0	+0.1	+0.9
December	+3.1	+4.2	+3.3	+3.2	-0.2	-0.7	-2.8	-3.1	-2.8	-1.0	-1.2	+2.3	+2.0	+3.4	+2.2	+0.1	-1.9	-3.9	-3.9	-2.8	-1.5	-0.5	+1.1	+2.1
Year	+0.72	+1.94	+2.17	+1.82	+1.37	+0.98	+0.45	+1.02	+0.71	+1.20	+2.22	+2.92	+4.11	+4.56	+2.82	-0.50	-3.82	-5.76	-6.18	-5.58	-3.91	-2.48	-0.98	0.00
Winter	+1.20	+2.28	+2.82	+2.65	+1.28	+0.60	-0.28	+0.32	+0.55	+0.85	+0.42	+0.98	+1.50	+2.82	+2.10	-0.12	-2.50	-4.08	-4.45	-3.85	-2.82	-2.00	-0.75	+0.20
Equinox	+0.60	+2.32	+1.85	+1.08	+1.95	+0.95	+0.62	+2.15	+1.62	+1.58	+2.08	+2.25	+4.30	+4.65	+2.78	-0.68	-4.08	-6.10	-6.50	-6.28	-4.12	-2.45	-0.80	+0.10
Summer	+0.38	+1.22	+1.82	+1.72	+0.88	+1.38	+1.00	+0.58	-0.05	+1.18	+4.18	+5.52	+6.52	+6.20	+3.60	-0.70	-4.88	-7.10	-7.60	-6.62	-4.78	-2.98	-1.40	-0.30

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Agincourt 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+10	+9	+6	+5	+3	0	-1	-4	-12	-15	-16	-12	-8	-7	-9	-8	-3	+1	+3	+5	+8	+11	+12	+11
February	+11	+10	+8	+3	-2	-4	-6	-7	-5	-5	-7	-7	-7	-4	-6	-9	-8	-3	+2	+6	+9	+10	+10	+12
March	+17	+19	+10	+5	-3	-9	-10	-15	-22	-17	-10	-13	-8	-3	-3	-6	-4	+2	+7	+10	+15	+19	+20	+14
April	+20	+9	+15	-17	-31	-40	-48	-43	-30	-21	-17	-17	-14	-13	-13	-8	+1	+30	+33	+29	+38	+40	+44	+42
May	+25	+14	+10	0	-11	-21	-24	-26	-19	-22	-9	-5	-10	-14	-14	-13	-4	-1	+6	+17	+24	+28	+31	+26
June	+22	+17	+6	-14	-21	-23	-22	-19	-20	-15	-9	-9	-7	-5	-4	-1	0	0	+5	+12	+19	+25	+28	+26
July	+25	+12	+6	-2	-7	-16	-20	-28	-26	-23	-16	-15	-13	-8	-5	-3	-2	+3	+11	+19	+25	+30	+28	+28
August	+20	+12	+2	-15	-23	-32	-26	-31	-31	-17	-6	-4	-4	-3	-2	0	+2	+8	+15	+22	+28	+30	+28	+22
September	+24	+19	+6	-8	-17	-11	-27	-38	-19	-21	-16	-9	-8	-7	-4	-2	0	+6	+13	+19	+24	+24	+27	+28
October	+17	+23	+11	-8	-11	-28	-46	-36	-31	-33	-36	-31	-15	-8	-3	+5	+13	+24	+32	+30	+36	+33	+30	+22
November	+9	+18	+7	+1	-14	-14	-22	-30	-33	-24	-8	-7	-9	-1	-3	-2	+1	+6	+15	+22	+18	+23	+32	+27
December	+15	+15	+8	+8	-6	-14	-15	-19	-18	-25	-22	-14	-11	-8	-9	-6	+5	+11	+15	+18	+16	+21	+18	+17
Year	+17.9	+14.8	+7.9	-3.5	-11.9	-17.7	-22.2	-24.7	-22.2	-19.8	-14.3	-11.9	-9.5	-6.8	-6.2	-4.4	+0.1	+7.2	+13.1	+17.4	+21.7	+24.5	+25.7	+22.9
Winter	+11.2	+13.0	+7.2	+4.2	-4.8	-8.0	-11.0	-15.0	-17.0	-17.2	-13.2	-10.0	-8.8	-5.0	-6.8	-6.2	-1.2	+3.8	+8.7	+12.8	+12.8	+16.2	+18.0	+16.8
Equinox	+19.5	+17.5	+10.5	-7.0	-15.5	-22.0	-32.8	-33.0	-25.5	-23.0	-19.8	-17.5	-11.2	-7.8	-5.8	-2.8	+2.5	+15.5	+21.2	+22.0	+28.2	+29.0	+30.2	+26.5
Summer	+23.0	+13.8	+6.0	-7.8	-15.5	-23.0	-23.0	-26.0	-24.0	-19.2	-10.0	-8.2	-8.5	-7.5	-6.2	-4.2	-1.0	+2.5	+9.2	+17.5	+24.0	+28.2	+28.8	+25.5

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

HORIZONTAL INTENSITY (gammas) (Quiet Days)

Table 52 Agincourt 1960

Month / Season (Hour U.T.)	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+8	+7	+8	+5	+6	+11	+7	+6	+7	+9	+10	+9	+7	-2	-16	-31	-35	-29	-16	-4	+5	+10	+10	+9
February	+6	+3	0	-1	+1	-1	0	0	+4	+6	+8	+9	+7	-1	-8	-14	-18	-17	-10	-3	+3	+6	+9	+10
March	+6	+6	+6	+6	+6	+9	+7	+8	+9	+10	+10	+9	+4	-4	-13	-25	-32	-29	-20	-9	+2	+10	+11	+13
April	+6	+5	+3	+4	+3	-1	0	+3	+3	+8	+8	+5	-3	-13	-26	-33	-26	-16	-2	+10	+16	+17	+16	+15
May	0	-2	-3	-2	+1	-2	-1	-1	-1	0	0	-3	-10	-19	-23	-22	-11	+1	+17	+26	+26	+18	+8	+4
June	+4	+4	+1	+1	+1	+3	+4	+3	+2	+2	-1	-1	-8	-16	-22	-31	-29	-9	+10	+19	+23	+17	+14	+10
July	-4	0	+1	+1	+2	+2	0	+3	0	-1	-2	-3	-9	-16	-28	-30	-19	-1	+9	+24	+25	+21	+17	+8
August	+8	+9	+5	+6	+7	+5	+4	+5	+4	+2	+1	-1	-6	-23	-35	-36	-26	-12	+3	+13	+18	+16	+18	+15
September	+8	+9	+8	+7	+6	+6	+7	+6	+8	+8	+7	+1	-10	-22	-35	-38	-30	-15	+2	+13	+17	+14	+11	+12
October	+8	+8	+5	+4	+4	+4	+4	+4	+8	+7	+8	+5	-1	-12	-24	-29	-27	-18	-7	+1	+8	+8	+13	+17
November	+5	+3	0	+2	+4	+1	+1	+3	+5	+8	+11	+12	+7	-8	-22	-27	-25	-20	-10	0	+8	+13	+14	+15
December	+4	+2	+5	+2	+1	+1	0	-1	0	+6	+7	+9	+8	+4	-8	-17	-19	-14	-8	-3	+3	+4	+7	+6
Year	+4.9	+4.5	+3.2	+2.9	+3.5	+3.2	+2.8	+3.2	+4.1	+5.4	+5.6	+4.2	-1.2	-11.0	-21.7	-27.8	-24.8	-14.9	-2.7	+7.2	+12.8	+12.8	+12.3	+11.2
Winter	+5.8	+3.8	+3.2	+2.0	+3.0	+3.0	+2.0	+2.0	+4.0	+7.2	+9.0	+9.8	+7.2	-1.8	-13.5	-22.2	-24.2	-20.0	-11.0	-2.5	+4.8	+8.2	+10.0	+10.0
Equinox	+7.0	+7.0	+5.5	+5.0	+4.8	+4.5	+4.5	+5.0	+7.0	+8.2	+8.2	+5.0	-2.5	-12.8	-24.5	-31.2	-28.7	-19.5	-6.8	+3.8	+10.8	+12.2	+12.8	+14.2
Summer	+2.0	+2.8	+1.0	+1.5	+2.8	+2.0	+1.8	+2.5	+1.2	+0.8	-0.5	-2.0	-8.2	-18.5	-27.0	-29.8	-21.2	-5.2	+9.8	+20.5	+23.0	+18.0	+14.2	+9.2

DECLINATION (minutes) (Quiet Days)

Table 53 Agincourt 1960

Month / Season (Hour U.T.)	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+0.3	+1.3	+1.3	+1.2	+0.6	-0.4	-0.1	-0.2	+0.4	+0.6	+0.7	+1.4	+2.8	+4.8	+4.2	+1.4	-2.0	-4.2	-4.9	-4.3	-2.9	-1.4	-0.7	0.0
February	-1.0	-0.5	+0.7	+0.4	+0.7	+0.1	+0.3	+0.2	+0.2	+0.8	+1.5	+1.8	+2.3	+3.4	+3.7	+2.4	+0.1	-2.5	-3.5	-3.6	-2.8	-2.1	-1.6	-1.1
March	-0.8	-0.5	+0.2	+0.2	+1.1	+1.0	+1.0	+0.6	+1.4	+1.8	+1.7	+2.8	+4.5	+5.4	+5.8	+4.0	0.0	-3.8	-6.2	-6.8	-5.8	-3.8	-2.4	-1.1
April	-0.7	-0.3	+0.8	+3.3	+2.1	+1.4	+1.2	+0.9	+1.2	+1.7	+3.6	+5.9	+7.5	+7.4	+4.9	+0.2	-4.7	-7.9	-8.6	-7.7	-5.8	-3.7	-1.8	-0.7
May	0.0	-0.4	-0.2	-0.2	+0.1	+0.3	+0.6	+0.7	+1.1	+2.2	+4.7	+6.8	+7.2	+5.8	+2.9	-1.3	-5.3	-7.2	-7.3	-5.5	-3.3	-1.8	-0.5	+0.5
June	-0.2	-0.3	+1.5	+0.7	-0.2	-0.6	-0.3	-0.1	+0.5	+2.3	+4.5	+6.3	+7.3	+6.8	+4.7	+0.5	-3.5	-5.7	-6.6	-6.6	-5.1	-2.2	-2.4	-0.9
July	-0.9	-0.7	-0.4	0.0	+0.2	+0.6	+0.3	+0.4	-0.1	+1.8	+5.0	+7.6	+8.8	+8.8	+5.5	+0.3	-4.2	-6.4	-7.6	-7.3	-5.7	-3.4	-1.6	-0.8
August	-1.6	+0.9	+0.8	+0.4	+0.6	+1.7	+1.0	+0.3	+0.7	+1.0	+4.3	+6.5	+8.9	+8.5	+5.3	+0.1	-3.5	-7.4	-8.6	-8.0	-6.2	-3.7	-1.6	-0.4
September	-1.2	-1.0	+0.1	-0.4	-0.1	+0.6	+1.3	+2.1	+2.6	+3.2	+4.0	+5.5	+6.9	+6.4	+4.3	-0.7	-5.4	-8.2	-7.6	-5.5	-3.2	-1.7	-1.1	-1.1
October	-0.6	-0.4	-0.3	-0.1	-0.1	+0.4	+0.8	+0.8	+1.0	+1.7	+1.9	+2.7	+4.3	+5.5	+6.8	+2.2	-0.6	-3.2	-4.9	-5.3	-4.6	-3.6	-2.8	-1.5
November	0.0	+0.4	+1.7	-0.5	+0.7	+0.2	+0.1	+0.2	+1.3	+1.8	+2.7	+2.5	+3.2	+4.3	+3.3	+0.5	-2.6	-4.9	-5.4	-4.2	-2.6	-1.6	-0.9	-0.3
December	+0.8	+2.3	+2.4	+0.9	+0.7	+0.2	-0.8	+0.5	+0.9	+1.3	+1.2	+1.1	+1.6	+1.0	+1.8	-0.5	-2.4	-3.4	-3.2	-2.4	-2.4	-1.8	-0.2	+0.5
Year	-0.49	+0.07	+0.70	+0.49	+0.53	+0.46	+0.45	+0.53	+0.93	+1.68	+2.98	+4.24	+5.44	+5.68	+4.43	+0.76	-2.84	-5.40	-6.20	-5.60	-4.20	-2.57	-1.47	-0.58
Winter	+0.02	+0.88	+1.52	+0.50	+0.68	+0.02	-0.12	+0.18	+0.70	+1.12	+1.52	+1.70	+2.48	+3.38	+3.25	+0.95	-1.72	-3.75	-4.25	-3.62	-2.68	-1.72	-0.85	-0.22
Equinox	-0.82	-0.55	+0.20	+0.75	+0.75	+0.85	+1.08	+1.10	+1.55	+2.10	+2.80	+4.22	+5.80	+6.18	+5.45	+1.42	-2.68	-5.78	-6.82	-6.32	-4.85	-3.20	-2.02	-1.10
Summer	-0.68	-0.12	+0.42	+0.22	+0.18	+0.50	+0.40	+0.32	+0.55	+1.82	+4.62	+6.80	+8.05	+7.48	+4.60	-0.10	-4.12	-6.68	-7.52	-6.85	-5.08	-2.78	-1.52	-0.40

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Agincourt 1960

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	+2	+1	0	0	-3	-2	-1	-1	-1	-1	-1	0	-1	-4	-3	0	0	+1	+2	+4	+3	+2	+1
February	+3	+5	+5	+3	-1	-3	-1	0	0	0	0	-1	-1	0	-2	-5	-6	-2	0	+1	+3	+1	+1	0
March	+3	+2	+2	+2	-1	-5	-2	-2	-1	-1	-1	0	+2	+2	+1	-4	-5	-3	-1	0	+2	+4	+3	+3
April	+6	+6	+5	-5	-8	-4	-8	-4	-4	-4	+2	+3	+2	+1	-2	-5	-4	-2	+2	+4	+5	+5	+5	+5
May	+5	+4	+2	+1	-2	-3	-7	-3	-1	0	+2	+1	-1	-2	-6	-12	-10	-6	0	+6	+9	+10	+8	+5
June	+6	+5	+4	0	-1	-3	-5	-2	-1	+4	+4	+3	+1	-2	-5	-6	-6	-7	-6	-3	+1	+5	+6	+7
July	+10	+5	+3	+2	0	-1	-2	-3	-4	-2	+2	+3	+1	-1	0	-4	-10	-9	-5	-1	+1	+4	+6	+5
August	+4	+2	+1	+2	-1	-4	-2	-4	-6	-10	-3	0	0	-1	-3	-5	-4	-2	+3	+5	+8	+8	+6	+4
September	+3	+1	0	+1	+1	-2	-2	+1	+1	0	0	0	-1	-4	-6	-7	-4	0	+4	+6	+6	+4	0	-1
October	+4	+3	+1	+1	+1	0	+1	+2	+1	0	0	+1	+1	-1	-3	-4	-4	-4	-3	-1	0	+2	+1	0
November	+5	+5	+4	+3	+1	+1	0	-3	-3	-1	-1	-1	0	0	-6	-7	-7	-4	0	+3	+4	+4	+2	+1
December	+5	+4	+2	+2	+2	+1	-6	-4	-5	-3	-3	-2	-1	-2	-6	-6	-3	+2	+5	+4	+4	+4	+4	+3
Year	+4.7	+3.7	+2.5	+1.0	-0.8	-2.2	-3.0	-1.9	-2.0	-1.5	+0.1	+0.5	+0.2	-0.9	-3.5	-5.7	-5.2	-3.1	0.0	+2.2	+3.9	+4.5	+3.7	+2.8
Winter	+3.8	+4.0	+3.0	+2.0	+0.5	-1.0	-2.2	-2.0	-2.2	-1.2	-1.1	-1.2	-0.5	-0.8	-4.5	-5.2	-4.0	-1.0	+1.5	+2.5	+3.8	+3.0	+2.2	+1.2
Equinox	+4.0	+3.0	+2.0	-0.2	-1.8	-2.8	-2.8	-0.8	-0.8	-1.2	+0.2	+1.0	+1.0	-0.5	-2.5	-5.0	-4.2	-2.2	+0.5	+2.2	+3.2	+3.8	+2.2	+1.8
Summer	+6.2	+4.0	+2.5	+1.2	-1.0	-2.8	-4.0	-3.0	-3.0	-2.0	+1.2	+1.8	+0.2	-1.5	-3.5	-6.8	-7.5	-6.0	-2.0	+1.8	+4.8	+6.8	+6.5	+5.2

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

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Agincourt 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+18	+12	+1	+3	+5	+7	+4	+1	-6	-1	+2	+12	+15	0	-12	-21	-34	-20	-8	-5	-2	+9	+12	+10
February	+14	+3	-5	-13	-12	-9	-20	-4	+2	+10	+10	+15	+15	+4	-9	-11	-9	-15	-13	-1	+7	+13	+13	+15
March	+52	+48	+15	-15	-21	-44	-24	-24	-65	-24	+2	-53	-3	-9	-15	-24	-56	-37	+2	+11	+27	+80	+111	+67
April	+192	+222	+95	-20	-33	-159	-99	-80	-92	-48	-38	-83	-108	-160	-105	-53	-14	-26	+75	+84	+131	+162	+99	+60
May	+26	+26	+41	+18	-30	-25	-6	-15	+18	-101	-1	-3	-27	-39	-45	-48	-22	+5	+15	+26	+32	+54	+59	+41
June	+48	+21	+13	-27	-45	-22	-38	-55	-27	-29	-12	-20	-9	-12	-26	-32	-36	-17	+10	+36	+54	+75	+78	+72
July	+82	-19	-14	-36	-1	+6	-56	-46	-38	-49	-33	-45	-46	-42	-39	-51	-60	-44	+10	+64	+108	+136	+116	+95
August	+41	+13	-9	-15	-37	-60	-35	-53	-55	+3	+18	+8	+1	-9	-29	-42	-27	-6	+25	+50	+80	+54	+48	+36
September	+34	+33	+39	-25	-12	-41	-100	-131	-137	-139	-85	-6	-16	+8	-2	+4	+14	+18	+56	+66	+92	+136	+116	+79
October	+67	-12	-12	-36	-80	-64	-80	-101	-38	-71	-22	-16	+4	-23	-55	-43	-28	+15	+57	+49	+99	+143	+140	+107
November	+121	+118	+86	+78	-46	+6	-93	-104	-118	-218	-202	+8	-17	+4	-33	-29	+15	+19	+54	+70	+53	+64	+80	+83
December	+24	+20	+13	+2	-8	-49	-32	-17	-27	-21	+9	+27	+15	+12	-1	-26	-26	-8	+10	+18	+17	+26	+11	+11
Year	+59.9	+40.4	+21.9	-7.2	-26.7	-37.8	-48.2	-52.4	-48.6	-57.3	-29.3	-13.0	-14.7	-22.2	-30.9	-31.3	-23.6	-9.7	+24.4	+39.0	+58.2	+79.3	+73.6	+56.3
Winter	+44.2	+38.2	+23.8	+17.5	-15.2	-11.2	-35.2	-31.0	-37.2	-57.5	-45.2	+15.5	+7.0	+5.0	-13.8	-21.8	-13.5	-6.0	+10.8	+20.5	+18.8	+28.0	+29.0	+29.8
Equinox	+86.2	+72.8	+34.2	-24.0	-36.5	-77.0	-75.8	-84.0	-83.0	-70.5	-35.8	-39.5	-30.8	-46.0	-44.2	-29.0	-21.0	-7.5	+47.5	+52.5	+87.2	+130.2	+116.5	+78.2
Summer	+49.2	+10.2	+7.8	-15.0	-28.2	-25.2	-33.8	-42.2	-25.5	-44.0	-7.0	-15.0	-20.2	-25.5	-34.8	-43.2	-36.2	-15.5	+15.0	+44.0	+68.5	+79.8	+75.2	+61.0

DECLINATION (minutes) (Disturbed Days)

Table 56 Agincourt 1960

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+1.0	+4.3	+6.2	+3.8	+2.0	+1.0	+0.8	+4.9	+2.0	+2.9	-0.6	-3.2	-2.7	+1.0	-0.3	-1.3	-2.4	-4.5	-4.1	-3.9	-4.2	-2.6	-2.0	+1.8
February	-0.4	+0.5	+5.1	+4.7	+2.6	+5.7	-1.2	+2.5	+4.1	+3.8	+2.6	+0.6	+1.4	+3.1	-0.3	-3.3	-3.3	-3.2	-5.9	-5.8	-4.6	-2.9	-3.4	-2.2
March	-1.8	+0.9	+2.5	+3.4	+2.8	+1.9	+3.6	+3.8	-6.5	+2.7	+4.2	-2.2	+4.3	+6.3	+6.8	+3.3	+2.8	-9.0	-6.8	-10.3	-7.3	-6.0	-0.6	+0.9
April	-4.0	+3.4	-11.4	-4.4	+2.0	-8.4	-4.2	+8.5	+0.6	+0.9	+3.5	-0.7	-2.6	-0.5	-3.5	-4.4	+2.8	+11.9	+9.0	-2.5	+3.4	+3.5	-1.4	-1.4
May	+4.0	+8.2	+4.3	+2.9	-4.3	-3.3	-2.4	+2.5	+4.4	+0.7	+8.4	+11.3	+7.8	+2.0	-1.1	-8.7	-8.7	-6.2	-6.2	-6.4	-6.4	-4.4	+0.2	+1.4
June	-0.9	-1.3	+1.3	-4.2	-2.6	+5.5	+1.4	-1.9	+4.1	+1.8	+5.3	+4.6	+8.6	+8.2	+5.4	+1.3	-2.5	-5.7	-8.4	-8.2	-6.8	-4.4	-2.8	-2.9
July	-5.7	+1.0	+6.3	-0.4	+6.3	+7.4	+6.8	-0.1	-3.0	-2.9	-0.9	-3.0	-3.7	-0.4	+0.6	-1.4	-5.9	-5.2	-4.8	-1.1	+3.8	+4.3	+2.0	0.0
August	+4.1	+5.6	+3.8	+4.9	-2.4	+4.8	+5.2	+1.1	-5.4	-0.4	+3.6	+5.3	+6.1	+5.4	+5.5	-2.5	-9.2	-10.8	-10.8	-6.0	-3.3	-3.9	-1.9	+1.2
September	+5.6	+8.0	+0.3	-5.8	-2.8	+0.3	-2.2	+2.8	+1.0	-4.1	+5.2	+6.8	+2.0	+1.2	-2.1	-8.4	-5.6	-5.3	-4.4	-1.1	+1.5	-0.6	+4.2	+3.8
October	+0.6	+3.0	+6.5	+6.4	+7.9	+0.8	+2.2	+9.0	+4.2	-3.3	+4.0	-11.0	-3.2	-5.7	-12.5	-7.5	-11.2	-4.4	-3.2	-3.4	+2.0	+5.8	+7.7	+5.4
November	+9.2	+11.6	+5.9	+7.6	-5.4	-5.3	-16.7	-17.3	-13.7	-12.0	-18.9	+3.5	+1.3	+4.9	+5.8	+5.1	+4.0	-1.1	+3.3	+4.7	+3.4	+3.0	+7.9	+9.0
December	+2.0	+4.8	+7.6	+12.3	+6.4	+2.7	+1.6	+4.5	+7.5	+1.5	-1.4	-1.5	-2.4	-6.3	-8.1	-5.3	-8.6	-6.4	-5.4	-3.6	-2.6	+0.3	+0.2	+0.1
Year	+1.14	+4.17	+3.20	+2.60	+1.04	+1.09	-0.42	+1.69	-0.06	-0.70	+1.25	+0.88	+1.41	+1.60	-0.32	-2.76	-3.98	-4.16	-3.98	-3.97	-1.76	-0.66	+0.84	+1.42
Winter	+2.95	+5.30	+6.20	+7.10	+1.40	+1.02	-3.87	-1.35	+0.02	-0.95	-4.58	-0.12	-0.60	+0.68	-0.72	-1.20	-2.58	-3.80	-3.02	-2.15	-2.00	-0.55	+0.68	+2.18
Equinox	+0.10	+3.82	-0.52	-0.10	+2.48	-1.35	-0.15	+6.02	-0.18	-0.95	+4.22	-1.78	+0.12	+0.32	-2.82	-4.25	-2.80	-1.70	-1.35	-4.32	-0.10	+0.68	+2.48	+2.18
Summer	+0.38	+3.38	+3.92	+0.80	-0.75	+3.60	+2.75	+0.40	-0.02	-0.20	+4.10	+4.55	+4.70	+3.80	+2.60	-2.82	-6.58	-6.98	-7.55	-5.42	-3.17	-2.10	-0.62	-0.08

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Agincourt 1960

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	+27	+24	+19	+16	+13	+5	-6	-16	-40	-49	-49	-44	-28	-21	-17	-11	-4	+4	+5	+11	+25	+43	+48	+45
February	+25	+25	+18	+7	-5	-17	-25	-24	-8	-7	-13	-16	-9	-6	-7	-10	-8	-2	+4	+9	+16	+18	+16	+19
March	+64	+81	+33	+6	-11	-36	-21	-37	-72	-48	-25	-60	-40	-15	-7	-10	-6	+12	+26	+26	+28	+48	+56	+8
April	+50	-12	+63	-73	-110	-90	-93	-110	-58	-43	-49	-66	-61	-59	-47	-9	+22	+174	+163	+107	+107	+69	+70	+55
May	+61	+22	+19	+15	-29	-41	-48	-67	-20	-83	-29	-11	-19	-43	-35	-25	+5	+6	+27	+49	+52	+59	+77	+58
June	+27	+18	-15	-82	-73	-30	-17	-18	-18	-30	-3	-6	-2	+3	+3	+3	+2	+5	+16	+27	+35	+49	+54	+52
July	+51	-9	-11	-14	0	-22	-38	-86	-100	-107	-78	-65	-44	-23	-15	+2	+15	+38	+67	+87	+103	+93	+79	+75
August	+50	+7	-25	-80	-80	-110	-50	-58	-87	-36	-7	-5	+7	+4	+6	+8	+14	+30	+49	+66	+90	+81	+71	+56
September	+62	+47	-6	-39	-63	-43	-79	-121	-22	-52	-44	-36	-33	-28	-12	+2	+7	+19	+43	+70	+81	+80	+87	+80
October	+11	+70	+31	-55	-71	-103	-152	-81	-73	-84	-72	-88	-31	0	+4	+36	+67	+96	+107	+84	+120	+96	+61	+28
November	+8	+60	+10	-6	+54	+27	-85	-109	-107	-78	+5	+7	-23	+8	+6	+18	+17	+22	+48	+69	+44	+58	+67	+59
December	+26	+35	+22	-15	-12	-42	-53	-70	-52	-66	-59	-35	-30	-22	-19	-2	+33	+42	+50	+57	+46	+64	+53	+48
Year	+38.5	+30.7	+13.2	-26.7	-32.2	-41.8	-55.6	-66.4	-54.8	-56.9	-35.2	-35.4	-26.1	-16.8	-11.7	+0.2	+13.7	+37.2	+50.4	+55.2	+62.2	+63.2	+61.6	+48.6
Winter	+21.5	+36.0	+17.2	+0.2	+12.5	-6.8	-42.2	-54.8	-51.8	-50.0	-29.0	-22.0	-22.5	-10.2	-9.2	-1.2	+9.5	+16.5	+26.8	+36.5	+32.8	+45.8	+46.0	+42.8
Equinox	+46.8	+46.5	+30.2	-40.2	-63.8	-68.0	-86.2	-87.2	-56.2	-56.8	-47.5	-62.5	-41.2	-25.5	-15.5	+4.8	+22.5	+75.2	+84.8	+71.8	+84.0	+73.2	+68.5	+42.8
Summer	+47.2	+9.5	-8.0	-40.2	-45.5	-50.8	-38.2	-57.2	-56.2	-64.0	-29.2	-21.8	-14.5	-14.8	-10.2	-3.0	+9.0	+19.8	+39.8	+57.2	+70.0	+70.5	+70.2	+60.2

Table 58 THREE-HOUR RANGE INDICES, AGINCOURT, 1960

January	D	H	Z	K	February	D	H	Z	K
1	1121 1000	0210 0000	0010 0000	1221 1000		0213 3100	0113 2101	0002 1000	0213 3101
2	1210 3110	0210 0010	0100 0000	0210 3110		0202 4232	1202 3332	0100 1122	1202 4332
3	1320 1100	0110 1101	0100 1000	1320 1101		1123 4114	1112 2343	0012 2123	1123 4343
4	1122 2100	1111 3111	0011 1000	1122 3111		3324 3122	1222 2232	2233 1111	3334 3232
5	1412 4213	1323 3232	0343 3102	1443 4232		0125 4321	1014 3233	0023 3211	1125 4333
6	3310 2110	2300 1111	1200 0000	3310 2111		6531 1300	3432 1202	4532 0100	6532 1302
7	0123 3110	0111 0111	0001 0110	0123 3111		0311 1000	1210 0001	0300 0000	1311 1001
8	1101 0000	0000 0110	1201 0000	1201 0010		0022 3100	0122 2210	0031 1100	0132 3210
9	1101 1000	0000 0011	0000 0000	1101 1011		3000 1000	2000 0111	1000 0000	3000 1111
10	0034 5423	0145 4543	0035 3343	0145 5543		0211 1000	0110 1010	0100 0000	0211 1010
11	4443 4311	3344 3322	3355 2210	4455 4322		0001 1123	0001 0111	0000 0001	0001 1123
12	2131 2212	2120 2122	1020 0112	2131 2222		1102 1000	2000 0010	0000 0000	2102 1010
13	1332 2022	0101 0032	0010 0022	1332 2032		0001 1114	0011 1024	0001 0015	0011 1124
14	4254 4236	4244 3246	2154 2136	4254 4246		5434 3332	3332 2131	4433 1131	5434 3332
15	5432 3100	4222 2310	5521 2200	5532 3310		0000 2210	1000 1321	0000 0100	1000 2321
16	0300 1102	0200 1113	0200 0001	0300 1113		2113 5411	2102 3533	1101 1312	2113 5533
17	1321 4301	1211 3222	1210 2110	1321 4322		5543 3132	3232 2124	4332 2112	5443 3134
18	0045 5211	1255 3221	0045 3110	1255 5221		5442 3331	4352 2222	4443 1221	5453 3332
19	3112 2110	2011 2111	1000 0100	3112 2111		0133 3233	1132 2242	0132 2122	1133 3243
20	0124 3411	0323 3322	0113 2110	0324 3422		5433 3212	3231 2112	4432 1121	5433 3212
21	4445 5333	4234 4334	5434 3332	5445 5334		4345 3310	4355 3321	2243 1210	4355 3321
22	3335 3211	3224 2322	2233 1111	3335 3322		0031 2210	0011 1021	0011 1010	0031 2221
23	1322 3111	1321 3132	0121 1221	1322 2313		1421 3210	0211 1211	0320 1100	1421 3211
24	3434 3210	3321 2221	2222 1110	3434 3221		0310 1000	0310 0011	0210 0000	0310 1011
25	2212 2110	1111 1211	0101 0100	2212 2211		0020 1100	0000 0011	0000 0000	0020 1111
26	0322 1100	0211 1212	0111 0000	0322 1212		0011 2300	0002 1211	0001 0100	0012 2311
27	2312 2100	3301 1001	1101 0000	3312 2101		3533 3311	2323 1311	1331 1111	3533 3311
28	2001 1110	1000 1021	0000 0010	2001 1121		0022 2200	0022 2000	0011 0000	0022 2200
29	0213 3100	2222 2110	0111 1100	2223 3110		3233 3111	2232 1133	1221 1011	3233 3133
30	0000 0000	0000 0000	0000 0000	0000 0000					
31	0100 1000	0000 0000	0000 0000	0100 1000					

March	D	H	Z	K	April	D	H	Z	K
1	3233 3312	2122 1233	1122 1132	3233 3333		9758 7876	9979 7887	9977 7886	9979 7887
2	3353 4112	3132 3232	2144 1011	3354 4232		6755 5122	8666 4234	8656 2023	8766 5234
3	2444 3211	1333 2232	1233 2111	2444 3232		6775 3231	5985 3253	6873 2232	6985 3253
4	1211 3222	1101 2333	0000 1112	1211 3333		1112 3323	1322 3345	0201 2235	1322 3345
5	2341 3112	1121 2222	1140 1111	2341 3222		3441 4410	3431 3532	1530 2320	3541 4532
6	3513 1110	2412 0012	3411 0011	3513 1112		0220 1312	0221 2333	0320 1222	0321 2333
7	0010 0000	0001 0010	0000 0000	0011 0010		3420 2431	2310 1452	2400 0232	3420 2452
8	0453 2200	0131 2223	0342 0101	0453 2223		5334 2301	4131 0222	4343 1011	5344 2322
9	0122 3200	1212 2222	0021 1110	1122 3222		1553 1100	2433 0111	2433 0000	2553 1111
10	0045 2431	1133 2322	0045 1210	1145 2432		0443 3225	2323 2247	0533 1136	2543 3247
11	1445 5311	1214 4222	0534 4211	1545 5322		4322 2314	3322 3323	3531 1113	4532 3324
12	1121 1010	1010 1211	0020 0000	1121 1211		6553 2223	4553 3224	5553 1113	6553 3224
13	2110 1101	1000 0011	0000 0000	2110 1111		5561 2211	5553 1234	5553 1122	5563 2234
14	1213 2300	0103 1211	0111 0100	1213 2311		4322 3112	3313 2213	1321 2011	4323 3213
15	1001 3322	2010 2335	0000 1136	2011 3336		2512 2200	3321 2221	2521 0110	3522 2221
16	6663 2233	8763 2434	8666 1222	8765 2434		2322 4424	2212 3343	1421 1234	2422 4444
17	3443 2321	2242 2332	1253 1121	3453 2332		5434 2213	3323 2244	5323 1144	5434 2244
18	2441 3000	2321 2002	0440 1001	2441 3002		6443 3101	4343 2222	5252 1100	6453 3222
19	2123 3200	1101 3211	0003 2110	2123 3211		2320 1100	2110 1100	0110 0000	2320 1100
20	0201 1100	0100 0101	0100 0100	0201 1101		0011 1000	0000 0100	0000 1000	0011 1100
21	0141 3100	0011 3100	0020 2100	0141 3100		0000 1000	0001 0111	0000 0100	0001 1111
22	0221 1100	0100 2102	0000 1101	0221 2102		0132 1200	1111 1201	0011 0100	1132 1201
23	1102 0001	1200 0002	0200 0000	1202 0002		1301 2015	1211 1234	0101 0016	1311 2236
24	4232 1410	3121 1333	2121 0211	4232 1433		6753 4225	8762 5267	6852 3245	8863 5267
25	0011 1000	0020 1122	0010 0000	0021 1122		8555 4434	6565 4455	8664 4345	8665 4455
26	1032 1100	1011 0211	0021 0100	1032 1211		3342 2214	2131 1223	3233 1013	3342 2224
27	1312 1000	1311 1011	0311 0000	1312 1011		2231 2136	1121 2267	1030 1146	2231 2267
28	0133 2423	0122 1334	0013 2233	0133 2434		6776 5341	8797 5453	7776 4442	8797 5453
29	5553 2102	4441 1132	4452 0111	5553 2132		5674 4235	4685 4433	5774 3233	5785 4435
30	3113 2423	2012 2344	2001 0123	2113 2444		4776 7985	6667 9977	5766 8985	6777 9987
31	3467 5769	3468 6669	2458 7449	3468 6769					

THREE-HOUR RANGE INDICES, AGINCOURT, 1960

May	D	H	Z	K	June D	H	Z	K
1	6443 2223	6543 3334	5442 1114	6543 3334	3544 4021	3555 4022	2645 3110	3655 4122
2	2422 2211	2312 2332	0411 1121	2422 2332	1001 1100	2011 1121	0001 0010	2011 1122
3	1233 1100	1222 3221	0221 0010	1233 3221	0001 2113	0001 1133	0000 0012	0001 2133
4	0011 1012	0000 1133	0010 0021	0011 1133	3674 3324	4774 4346	3674 2224	4774 4346
5	1132 1112	2110 1134	0011 1023	2132 1134	4665 4211	5764 3334	5765 4222	5765 4334
6	3445 3455	3323 3467	1333 2356	3445 3467	4544 3210	4444 3322	4443 3221	4544 3322
7	5743 4435	4854 5445	6643 3235	6854 5445	3223 3132	3233 2142	1223 1112	3233 3142
8	4567 6643	2579 7766	1589 6643	4589 7766	2434 3233	3443 3255	1543 1134	3444 3225
9	1323 2210	2423 2321	1312 1211	2423 2321	4432 3321	3542 3321	3552 1110	4552 3321
10	2123 3122	2112 3234	0022 1122	2123 3234	2011 0121	1111 1232	0100 1011	2111 1232
11	4674 2132	3573 2245	2776 1233	4776 2245	3011 1100	2001 0110	1010 0001	3011 1111
12	2344 3311	2343 3333	1443 2211	2444 3333	0111 0111	1011 1121	0000 0100	1111 1121
13	2212 1222	2212 3343	1220 0223	2212 3343	2123 2110	2111 0322	0010 0101	2123 2322
14	3355 1310	2323 2221	3334 1110	3355 2321	2113 2211	2132 4322	1032 2120	2133 4322
15	0333 2211	0213 2222	0011 1110	0333 2222	3053 2220	2022 3322	0042 1111	3053 3322
16	1223 4533	0011 4566	0211 2343	1223 4566	1321 0100	2210 1221	0220 0100	2321 1221
17	1124 3301	2232 3212	1132 1101	2234 3312	2010 0131	2000 2312	0000 1120	2010 2322
18	1311 1100	2301 2212	0120 0101	2321 2212	3133 3221	3113 2332	1012 2211	3133 3332
19	1133 1001	2120 1111	0022 0110	2133 1111	2444 3121	3233 3121	2434 2111	3444 3121
20	0301 1100	0000 1111	0100 0100	0301 1111	3322 1200	2211 2212	1211 0011	3322 2212
21	1023 2000	1011 2220	0011 1110	1023 2220	1423 2221	2313 2333	1422 1011	2423 2333
22	0000 3111	0000 1222	0000 0011	0000 3222	2422 2112	2212 2134	2411 0012	2422 2134
23	1012 3443	1011 5464	1000 3243	1012 5464	3410 0201	2312 2223	3310 1111	3412 2223
24	3454 3232	3353 3234	3563 2234	3564 3234	1232 2121	2121 3233	1232 1122	2232 3233
25	3423 3221	2321 3333	5431 1122	5433 3333	3222 3334	3212 3444	3201 1223	3222 3444
26	4442 2214	2421 1244	5532 1123	5542 2244	5453 2213	4343 2233	4543 1112	5553 2233
27	5411 1121	3310 2134	5500 1132	5511 2134	5645 2445	7755 2356	8855 1344	8855 2456
28	4210 1133	2010 1264	1021 1143	2221 1264	2244 3323	4445 3254	2255 3143	4455 3354
29	7432 4443	6433 4464	7532 2242	7533 4464	4452 2134	3441 1256	3451 0037	4452 2257
30	1244 4211	2123 3413	1133 3311	2244 4413	6532 3343	8533 3464	9633 2242	9633 3464
31	1322 3211	2222 2343	0110 1122	2322 3343				

July	D	H	Z	K	August D	H	Z	K
1	6442 3232	4352 3343	4453 2231	6453 3343	4333 3111	2223 3113	1322 2101	4333 3113
2	3343 3121	4332 3222	2243 3111	4343 3222	3633 2122	2422 2233	2332 1112	3633 2233
3	2223 2233	2212 1343	0222 2231	2223 2343	1122 2011	2111 2112	1011 0101	2122 2112
4	4454 3322	3332 3334	2343 1121	4454 3334	3324 1010	2212 2121	1223 0100	3324 2121
5	1334 2332	3232 3343	1134 1022	3234 3343	1110 0000	0000 1111	0100 1000	1110 1111
6	3324 2110	3102 2131	2314 2000	3324 2131	0034 2110	1121 1132	0012 0021	1134 2132
7	0112 1101	0021 0222	0010 0001	0122 1222	4223 3200	3201 2220	1210 0100	4223 3220
8	1000 0000	1000 0000	0000 0100	1000 0100	1243 4324	0221 2334	0042 1233	1243 4334
9	1022 1010	1011 1102	0000 0211	1022 1212	5443 3120	2343 2212	2553 3101	4553 3222
10	2132 1210	2110 1133	1120 0221	2132 1233	1033 3221	2223 2233	1044 1112	2233 3233
11	1112 1221	2213 2332	1101 0121	2213 2332	1644 4242	3423 3332	0533 3221	3644 4342
12	2243 3012	3122 2133	0232 1111	3243 3133	2354 4121	3453 3233	1554 3122	3554 4233
13	1433 2322	2212 2232	1331 1131	2433 2332	1312 2110	1201 2223	1310 1111	1312 2223
14	1434 3544	1323 3556	0443 1234	1444 3556	3213 2322	1110 1344	0111 0122	3213 2344
15	3545 5567	3335 4588	1435 4667	3545 5688	3413 1111	3211 2221	1311 1010	3413 2221
16	7665 4423	9875 5353	9765 4342	9875 5453	1002 4643	1001 5654	0000 3365	1002 5665
17	6554 2113	4554 2223	5554 1013	6554 2223	5664 3454	8786 3455	8877 2456	8887 3456
18	3332 2311	3322 3422	3342 1221	3342 3422	2245 3100	3245 3122	2356 1111	3356 3122
19	0065 4345	0356 4343	0166 4233	0366 4343	1124 3333	2023 3355	0012 1235	2124 3355
20	4324 3223	3124 4344	2213 3133	4324 4344	1363 3221	2373 3233	1663 2123	2673 3233
21	2421 2210	2422 3213	1520 1201	2522 3213	4445 3222	3344 3433	4545 1222	4545 3433
22	1331 2214	2322 2223	1431 1112	2432 2224	5302 2121	4210 1333	5411 0121	5412 2333
23	4321 1001	4110 0112	2120 1011	4321 1112	3321 1110	1210 0121	1310 0100	3321 1121
24	1221 2200	1222 2212	1231 1111	1232 2212	2133 0100	1002 1111	0011 0010	2133 1111
25	0100 0100	0200 1112	0100 0101	0200 1112	0000 0100	1000 0221	0000 0000	1000 0221
26	1203 2112	1100 2124	1000 0113	1203 2124	0010 1101	0100 0023	0000 0010	0110 1123
27	1121 2000	2120 1111	1012 0101	2122 2111	3211 2331	1111 1353	1100 0122	3211 2353
28	0222 2010	0112 2022	0010 1111	0122 2122	2651 2100	3430 1111	1430 0101	3651 2111
29	5332 2433	4340 2244	4551 1133	5542 2444	4642 3335	4653 3344	3762 2233	4753 3335
30	4544 5121	4323 3333	4523 4122	4544 5333	5764 3231	6774 3332	6865 3211	6875 3332
31	6375 3323	5364 3433	6456 2212	6476 3433	3544 3001	2341 2012	1353 2001	3554 3012

THREE-HOUR RANGE INDICES, AGINCOURT, 1960

September	D	H	Z	K	October D	H	Z	K
1	0000 1000	0000 1001	0000 0000	0000 1001	4653 4323	2645 3323	2656 2234	4656 4334
2	0322 2233	0211 2235	0310 1125	0322 2235	5355 4323	4356 5322	5455 5332	5456 5332
3	6572 3211	5593 3232	5682 2211	6693 3232	2135 3200	2113 1121	0024 1010	2135 3221
4	1566 5355	3477 6379	1477 5367	3577 6379	1023 3555	0021 2455	0021 0245	1023 3555
5	6777 5443	7899 5544	8899 5345	8899 5545	4543 2205	3443 2235	4542 1115	4543 2235
6	6542 2115	4652 1233	6561 1113	6662 2235	6767 6567	3987 7679	4887 5569	6987 7679
7	3333 4332	3123 4243	2222 3122	3333 4343	7976 5555	9998 5654	9967 5335	9998 5655
8	2342 2210	1141 1331	3352 1111	3352 2331	5434 2114	5324 2233	5313 1023	5534 2234
9	4552 2111	3432 2132	5542 1011	5552 2132	4654 3225	3653 2323	4654 2123	4654 3325
10	2333 2432	1232 2433	0232 1122	2333 2433	5410 0013	4200 0012	5300 0101	5410 0113
11	4131 2121	3121 2233	3130 1112	4131 2233	4364 1100	2363 1111	2462 1101	4464 1111
12	4133 1210	3232 2111	3143 0001	4243 2211	0101 1100	0101 0112	0000 0000	0101 1112
13	2553 1102	3343 2133	1554 2012	3554 2133	0010 1000	0000 0013	0000 0002	0010 1013
14	4522 2000	3410 1110	4421 0100	4522 2110	0000 1000	1001 0001	0000 0000	1001 1001
15	0311 1000	0100 0001	0210 0100	0311 1001	1102 3322	1212 3333	0000 1222	1212 3333
16	0001 1110	1000 0111	0000 0000	1001 1111	1311 2000	0100 2001	0000 0000	1311 2001
17	0100 2103	1100 2032	0000 1022	1100 2132	2021 2101	2000 1011	1000 0101	2021 2111
18	6423 2110	4322 2121	5322 1010	6423 2121	5344 3242	3223 2243	4433 2243	5444 3243
19	0000 1000	0020 1011	0020 1110	0020 1111	0320 2100	0310 0101	0320 0001	0320 2101
20	0011 1002	0001 0013	0000 0100	0011 1113	1434 1201	0112 1122	0322 0011	1434 1222
21	0012 2211	1011 2022	0001 0001	1012 2222	3042 2101	1010 0112	2031 0001	3042 2112
22	2321 2212	2100 2132	0120 1022	2321 2232	0020 1000	0100 0000	0000 0000	0120 1000
23	2144 2102	2132 0212	2142 0112	2144 2212	0000 1000	0000 0110	0000 0000	0000 1110
24	5355 2310	4345 2311	5355 1100	5355 2311	0001 3420	0000 4430	0000 2220	0001 4430
25	1000 0000	1000 0121	0000 0010	1000 0121	0155 5544	1166 4654	0066 5754	1166 5754
26	3121 1103	2110 0033	2032 0023	3121 1133	8765 4334	8886 5334	7765 5233	8886 5334
27	4543 2110	3431 1121	5442 0000	5543 2121	4625 5325	3515 3333	3425 3223	4625 5335
28	0124 2100	1112 1111	0013 0100	1124 2111	4456 5421	2245 4333	3545 4232	4556 5433
29	0122 2212	0011 4022	0020 1003	0122 4223	5335 3434	4335 4433	3345 3333	5345 4434
30	4433 4332	3222 3234	5412 2133	5432 4334	4455 5325	2354 4333	1353 3211	4455 5335
31					5343 2333	3333 3332	2143 1121	5343 3333

November	D	H	Z	K	December D	H	Z	K
1	1431 2103	2321 1112	0410 0001	2431 2113	6663 5335	6975 4444	6775 3535	6975 5545
2	3332 2202	2220 2023	0032 1011	3332 2223	4234 4213	2223 4321	2223 3110	4234 4323
3	5114 2014	4122 1114	2023 2015	5124 2115	0522 2000	0312 1101	0311 0000	0522 2101
4	6655 3214	5566 3423	6746 2314	6766 3424	0021 2200	0011 1110	0000 0000	0021 2210
5	4421 2000	1210 2100	2322 1000	4422 2100	0313 3120	0111 1031	0101 0110	0313 3131
6	0132 2010	0010 2121	0020 0011	0132 2121	0324 4123	1212 4223	0211 2213	1324 4223
7	3231 1000	2222 0000	1111 0000	3232 1000	2313 3135	1311 2133	0311 0114	2313 3135
8	0011 2100	0000 0010	0000 0000	0011 2110	5533 3100	4523 2111	6533 1000	6533 3111
9	1322 3000	0110 0000	0210 0000	1322 3000	1433 3221	1322 3331	0322 1110	1433 3331
10	0001 2200	0020 1200	0000 0100	0021 2200	1202 2110	1201 1111	0100 1000	1202 2211
11	1135 3100	2223 2132	0024 3020	2235 3132	0111 3111	0021 1112	0010 1000	1021 3112
12	0121 5466	0121 5466	0010 3157	0121 5567	1223 3134	1211 1233	0111 0132	1223 3234
13	8899 8774	7999 9895	9899 8674	9999 9895	2342 4000	1212 2000	2233 1000	2342 4000
14	7653 2344	6344 1354	8442 1232	8654 2354	0021 1211	0011 1100	0011 0000	0021 1211
15	5332 5556	3433 6457	2232 4447	5433 6557	2235 3335	1134 4344	1243 4446	2245 4446
16	7855 5422	8865 5433	7766 4321	8866 5433	6445 3112	4456 3211	5556 2110	6556 3211
17	4233 1234	3221 1233	2121 0021	4233 1234	0031 1111	0020 0011	0020 0001	0031 1111
18	2111 1100	2101 1100	1000 0000	2111 1100	1454 3421	1344 1331	0354 2220	1454 3431
19	0000 3200	0102 2001	0001 0000	0103 2001	2133 3211	2121 2212	1132 2111	2133 3212
20	2123 3301	1112 1112	0111 0101	2123 3312	4434 3223	2423 3132	0323 2122	4434 3233
21	0445 4433	0445 4443	0345 4433	0445 4443	5222 3323	4211 2323	3211 1223	5222 3323
22	5543 3212	3442 2122	5632 1101	5643 3222	4443 2114	2322 2222	1222 1011	4443 2224
23	3233 2001	1131 0011	0231 0000	3233 2011	3333 3110	2223 2110	0212 2000	3333 3110
24	2131 2104	2120 1124	1020 1014	2131 2124	1213 2103	1211 3233	0101 1111	1213 3233
25	2555 5244	3544 4234	2554 2234	3555 5244	4012 1010	2001 1021	1000 0010	4012 1021
26	1443 4111	1222 2121	0443 1000	1443 4121	4343 3100	2321 1111	0332 1110	4343 3111
27	0333 3322	0231 1232	0021 1131	0333 3332	1454 4544	1233 5443	0233 3443	1454 5544
28	5432 2110	3323 2010	1422 2000	5433 2110	3225 3221	2124 3221	2144 1111	3245 3221
29	2112 1003	1201 1111	0201 0010	2212 1113	4144 2411	2131 1321	2033 1210	4144 2421
30	1311 2024	0300 1045	0200 0026	1311 2046	1433 2121	1221 2331	0321 1120	1433 2331
31					0333 3211	0233 2211	0333 2210	0333 3211