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Record of Observations at Agincourt Magnetic Observatory 1949

W. E. Ross and A. E. Evans

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Agincourt Observatory

1949

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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

1949

Introduction

Agincourt Magnetic Observatory, situated about thirteen miles northeast of downtown Toronto and one-half mile south of the village of Agincourt, was established in 1898 to continue the magnetic work of the Toronto Observatory in an adjacent locality not subject to disturbance from the Toronto street-railway system. Since 1840 the Toronto Observatory occupied the same site where the McLennan Laboratory of the University of Toronto now stands. It was one of the four colonial observatories set in operation, originally for a period of three years, by the British Government in 1839. The 1874 report of Professor G. T. Kingston, then Director of the Magnetic Observatory and Superintendent of the Meteorological Office, states "Of these four colonial observatories, that at Hobart Town was placed under the management of the Admiralty, the director and observers being naval officers, while the other three, at Cape of Good Hope, St. Helena, and Toronto, were under the Board of Ordnance, the director and observers being officers and non-commissioned officers of the Royal Artillery, and Major, now General, Sir E. Sabine, R.A., the Director-in-Chief." Professor Kingston adds, "In 1837 and 1838 magnetic observatories were established at Dublin and Greenwich, another at Makerstown, Scotland, at the cost of General Sir T. Brisbane; and four others at Simla, Singapore, Madras, and Bombay, at the cost of the East India Company."

From the Toronto 1841—1848 observations Edward Sabine noted (1852) the parallelism between magnetic disturbance (declination) and sunspot numbers (Schwabe).

At Toronto, the magnetic instruments were first placed temporarily in a room in the Bathurst Street barracks, or 'Old Fort York' now a tourist attraction, where observations began early in 1840. The instruments were moved later in the year to a new observatory building constructed of 12-inch logs—it being believed there was no stone within 40 miles of Toronto—on the grounds of the University of King's College, now the University of Toronto. This building was demolished in 1854 and replaced by a stone structure.

In 1853, with the withdrawal of the Ordnance Department, ownership passed to the Province of Canada and the original observers were retained. From 1871 the observatory was the headquarters of the Meteorological Service of Canada inaugurated in that year. Magnetic observations were included in the annual reports of that Service beginning with 1904 and printed separately from 1914 on. In 1936, with the unifying of Canadian terrestrial magnetic work, Agincourt and Meanook observatories were transferred from the Meteorological Service of Canada to the Dominion Observatory, Ottawa.

Instruments

The same absolute instruments continued in use, namely, Elliott 48 for declination, a Schuster-Smith electrical magnetometer for horizontal intensity, and Toepfer earth inductor 89 for inclination.

The corrections adopted for use in reducing observations to International Magnetic Standard are as follows:

for D, I.M.S. = Elliott 48 $-0.8'$

for H, I.M.S. = Schuster-Smith $+0.0\gamma$

for I, I.M.S. = Toepfer 89 $-0.15'$

Variometers in operation were: a la Cour set of normal speed and sensitivity used as the standard set, and the old Kew-type set (Adie pattern) used as an auxiliary. Scale coefficients for the la Cour set per millimeter of ordinate were for D, 0.91′; for H, 5.15γ; and for Z, 5.90γ. Similarly the Kew coefficients were for D, 1.28′; for H, 4.96γ; and for Z, 15.0γ.

The r.m.s. values of the observed minus adopted photographic base-line values in 1949 were for D, $\pm 0.6'$; for H, $\pm 4\gamma$; and for Z, $\pm 20\gamma$.

Magnetic Reductions

The mean hourly, daily, and monthly values of horizontal intensity, declination, and vertical intensity together with daily extreme and range values of these elements and their diurnal inequalities are given in Tables 1 to 57.

The monthly and annual mean values of H, D, Z, X, Y, and Z which follow, are based on mean hourly values for all days for H, D, and Z. Values of X, Y, I, and F are computed from H, D, and Z.

The mean daily ranges in extreme absolute values in 1949 were 120γ in H, 25.2′ in D, and 99γ in Z which indicate a moderate increase in magnetic activity over the year 1948.

A list of mean annual values from 1926 to 1949, inclusive, completes this section of the 1949 record.

K-indices and character figures have been supplied regularly to the Association of Terrestrial Magnetism and Electricity of the International Union of Geodesy and Geophysics for inclusion in "Geomagnetic Indices C and K" bulletins.

MEAN VALUES FOR MONTHS AND YEAR, AGINCOURT

Month	−D West	H	Z	X	−Y West	I North	F
1949	° ′	γ	γ	γ	γ	° ′	γ
January	7 22.1	15340	56247	15213	1967	74 44.7	58301
February	21.5	341	246	215	65	44.6	301
March	21.8	343	241	216	66	44.4	296
April	21.2	360	234	234	66	43.4	294
May	20.8	359	239	233	64	43.5	299
June	20.1	372	236	246	63	42.7	299
July	19.7	380	220	254	62	42.0	286
August	20.1	365	222	239	62	42.9	284
September	20.9	365	233	239	65	43.1	294
October	21.1	351	242	225	64	44.0	299
November	21.2	365	242	239	67	43.2	303
December	20.3	383	242	257	65	42.2	308
Year	7 20.9	15360	56237	15234	1965	74 43.4	58297

MEAN ANNUAL VALUES, AGINCOURT

Year	−D West	H	Z	X	−Y West	I North	F
	° ′	γ	γ	γ	γ	° ′	γ
1926	7 13.4	15692	57529	15569	1973	74 44.6	59630
1927	16.4	664	412	540	83	44.3	508
1928	20.3	628	315	500	96	44.9	407
1929	24.0	586	197	456	2007	45.4	282
1930	28.1	544	103	412	20	46.4	181
1931	31.9	520	010	386	34	46.3	086
1932	35.8	485	56924	349	47	46.9	58991
1933	37.7	453	837	316	51	47.4	900
1934	37.5	424	762	287	47	47.9	820
1935	37.1	391	704	255	41	48.9	759
1936	36.9	362	658	226	36	49.8	704
1937	35.9	333	602	198	27	50.5	643
1938	35.1	311	564	177	21	51.2	600
1939	33.8	292	525	158	13	51.7	557
1940	32.3	290	503	157	06	51.5	535
1941	32.4	288	482	156	06	51.3	515
1942	31.4	304	460	172	04	50.1	498
1943	30.7	309	461	177	01	49.7	500
1944	30.0	314	406	183	1999	48.6	448
1945	27.7	323	392	194	90	47.9	437
1946	25.6	311	361	182	79	48.1	403
1947	22.3	338	370	211	68	46.7	419
1948	22.5	355	302	228	71	44.7	358
1949	7 20.9	15360	56237	15234	1965	74 43.4	58297

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Agincourt — H = 15,000 γ + — January 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	343	339	341	334	339	332	345	337	344	342	353	354	346	341	336	322	323	327	326	331	338	346	346	332	338
2 D	330	305	288	262	295	297	274	301	328	336	325	370	365	360	326	307	307	303	318	332	345	349	346	349	322
3 Q	345	348	352	347	346	349	349	353	351	349	351	352	352	351	346	332	321	318	328	335	344	349	359	358	345
4 Q	356	355	356	356	356	357	358	359	361	360	361	365	364	360	352	341	332	326	328	336	351	359	363	363	353
5 Q	360	360	359	365	361	365	365	368	370	370	368	368	365	363	358	349	342	336	340	346	354	365	372	372	360
6	368	368	368	363	362	365	361	358	358	358	358	357	356	356	351	343	339	335	342	348	358	354	352	362	356
7	360	336	326	331	336	315	316	336	342	346	350	355	352	349	339	330	324	319	322	334	355	361	350	349	339
8	350	351	348	351	352	355	358	360	362	361	365	366	371	368	357	335	315	324	325	339	355	355	352	355	351
9	351	351	351	347	346	349	355	356	355	360	356	354	375	383	371	355	335	324	319	315	334	351	355	355	350
10	351	348	342	350	348	348	351	349	351	357	357	361	358	358	342	335	319	327	336	343	345	331	344	355	346
11	356	353	355	353	341	351	346	341	351	348	352	349	350	355	346	334	324	324	335	346	338	351	351	351	346
12	345	343	342	342	340	343	353	356	358	358	358	360	359	358	357	341	319	300	311	326	344	345	350	328	343
13	324	334	331	326	324	336	338	337	346	340	341	348	351	345	340	336	326	317	316	326	341	354	351	353	337
14	352	355	351	353	355	356	357	361	362	358	360	357	362	366	365	354	338	322	320	326	340	343	355	355	351
15 Q	356	357	357	358	357	358	360	362	264	363	362	366	360	358	350	335	320	314	324	339	357	369	372	352	353
16	354	352	347	350	353	355	352	350	357	356	371	371	366	350	342	336	320	321	326	339	352	356	354	354	349
17	344	341	351	357	361	362	365	367	368	371	371	372	368	356	344	333	324	326	341	351	357	367	374	372	356
18 D	372	368	366	363	353	358	361	365	360	353	362	361	355	349	348	326	322	336	340	357	348	345	358	346	353
19	353	341	335	331	337	326	341	344	346	349	341	347	349	343	337	324	310	302	306	325	339	355	358	362	338
20	360	360	357	357	357	358	358	355	360	364	365	362	363	361	347	332	322	321	327	326	345	362	368	368	352
21	372	371	367	366	360	350	348	352	362	366	362	360	364	363	353	335	321	308	315	330	354	354	348	354	352
22	354	348	353	357	353	347	335	344	360	367	362	362	368	360	352	336	319	312	310	319	337	356	366	366	348
23	362	361	361	359	359	361	363	363	361	360	367	367	369	365	347	332	318	314	319	332	339	346	350	350	351
24 D	341	340	330	321	343	351	354	354	354	360	359	355	352	350	345	329	308	305	271	304	342	366	385	407	343
25 D	(724	460	290)	385	213	269	110	120	187	237	254	235	190	205	221	189	187	290	350	412	(811	733	589	501)	340
26 D	(501)	159	108	115	054	009	062	-039	195	210	261	253	272	287	275	247	267	273	292	282	293	296	295	303	219
27	311	315	282	274	298	305	310	307	300	318	323	323	326	336	330	318	318	315	315	304	315	319	330	331	314
28	329	332	333	329	331	343	329	320	323	331	334	338	339	340	334	320	318	320	323	324	321	337	342	335	330
29	329	332	334	336	337	334	342	335	332	334	334	344	344	344	342	337	330	322	326	335	342	341	344	345	336
30 Q	341	344	343	342	342	344	346	349	347	346	345	344	344	336	329	316	309	311	321	329	335	345	349	349	338
31	347	347	344	345	342	342	344	342	348	349	348	346	346	344	336	319	308	318	326	333	345	352	354	353	341
Mean	366	344	335	336	331	332	330	328	341	344	348	349	349	348	339	325	316	317	323	333	357	362	361	357	340

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt D = 7° W + ... ' January 1949

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	23.1	21.8	20.9	15.9	20.0	21.2	21.6	21.6	22.7	22.9	24.2	22.3	20.8	19.6	18.7	22.0	22.5	25.0	26.7	27.9	29.0	27.7	27.9	28.6	23.1
2 D	28.6	23.3	19.8	-7.4	19.3	17.7	12.5	17.7	22.0	27.0	37.2	30.4	29.6	24.3	25.0	22.9	24.7	27.7	28.8	26.8	25.0	24.7	24.3	23.1	23.1
3 Q	21.4	18.6	21.1	21.1	19.5	21.5	21.5	22.1	22.0	21.4	21.4	21.2	20.5	18.7	17.5	18.1	21.0	23.9	26.2	28.1	28.0	25.9	24.2	23.5	22.0
4 Q	23.1	21.4	20.6	20.6	20.6	21.1	21.7	22.1	21.5	21.4	21.5	21.3	20.5	19.7	18.4	17.9	19.0	22.2	24.0	25.0	24.5	24.3	22.9	22.0	21.5
5 Q	21.5	21.4	20.9	20.5	21.2	21.1	21.3	21.3	20.5	20.2	20.0	19.8	19.5	18.6	17.4	17.6	19.8	21.1	22.8	23.1	23.8	23.5	22.9	22.3	20.9
6	21.5	20.3	20.3	21.4	20.6	20.4	19.9	20.4	24.3	20.6	18.4	20.4	19.9	18.3	16.9	17.9	20.0	23.1	25.5	26.3	27.5	26.9	27.4	27.5	21.9
7	33.1	29.4	20.4	17.1	17.9	13.3	14.8	19.2	20.3	21.5	22.1	22.1	20.6	19.4	18.5	18.7	22.3	26.0	28.5	27.9	27.5	27.6	23.1	24.3	22.4
8	23.7	20.5	20.1	20.4	21.2	21.6	22.3	22.9	22.2	21.5	20.6	19.8	20.4	18.5	17.3	18.6	23.0	27.5	29.5	27.5	28.5	27.1	24.6	23.3	22.6
9	23.6	21.3	20.3	19.4	19.7	19.2	21.4	20.9	23.1	20.6	20.3	25.1	29.4	25.2	18.0	18.8	18.5	21.0	26.3	31.2	30.5	26.8	24.0	22.8	22.8
10	31.7	20.6	19.2	19.6	20.4	21.3	27.9	18.0	20.1	21.0	21.7	23.7	21.0	18.9	15.3	15.3	20.3	23.5	24.9	26.2	26.6	25.2	24.9	23.4	21.7
11	22.4	21.8	21.3	21.0	17.6	17.3	20.1	18.7	20.4	17.0	21.9	21.2	21.3	19.2	16.0	15.9	20.4	24.8	26.1	26.5	26.0	25.8	26.7	24.0	21.4
12	23.0	21.2	20.7	20.4	19.3	21.6	22.0	22.9	23.7	22.4	21.9	21.3	19.7	17.4	15.6	15.1	19.3	27.0	32.6	31.1	30.7	29.1	30.2	25.6	23.1
13	25.0	21.2	18.3	18.3	18.6	18.4	19.1	22.1	25.8	24.2	27.5	27.4	21.9	17.7	14.8	14.7	17.5	21.8	24.5	25.6	26.2	25.7	24.2	23.1	21.8
14	22.7	22.0	21.1	21.2	21.2	21.4	22.0	24.1	23.1	21.1	20.8	22.8	22.5	21.9	19.5	17.8	18.7	20.9	23.0	25.3	27.3	27.3	25.4	24.2	22.3
15 Q	22.9	21.3	20.3	20.1	20.5	21.4	21.7	21.7	21.6	21.7	20.6	22.7	21.2	17.9	15.7	15.0	18.6	22.5	25.2	26.5	26.9	25.4	23.3	23.9	21.6
16	23.6	22.3	20.2	19.5	20.0	21.2	20.1	19.2	18.9	20.9	24.7	20.5	20.2	20.0	19.3	19.3	23.9	28.4	30.6	30.0	30.2	27.5	24.3	22.9	22.8
17	20.6	20.3	21.2	20.0	20.6	21.3	22.0	21.9	22.1	22.2	20.9	19.9	18.2	16.0	13.2	14.7	19.1	23.4	25.2	24.6	24.7	24.3	23.3	22.4	20.9
18 D	21.3	20.4	19.6	18.9	20.3	20.3	20.2	20.2	19.1	21.1	18.7	18.5	16.6	17.6	16.6	18.6	26.5	28.9	28.4	30.4	30.5	27.8	27.8	29.7	22.4
19	23.8	22.2	18.5	17.2	24.3	21.8	22.3	20.2	18.9	23.3	23.3	23.9	18.4	13.9	14.9	18.3	20.5	23.4	25.7	27.9	29.8	27.4	25.7	24.7	22.1
20	22.7	20.6	20.3	20.5	20.3	21.2	23.3	21.3	19.3	20.3	21.6	22.0	21.1	16.5	14.9	15.0	19.3	23.6	26.2	28.9	29.1	27.1	24.5	23.9	21.8
21	23.2	22.0	20.2	19.5	20.2	15.5	18.4	21.1	23.7	21.9	20.4	22.0	21.2	17.2	14.1	13.1	17.1	21.2	25.2	26.9	28.8	29.3	27.4	24.4	21.4
22	22.9	19.2	19.9	19.9	19.3	12.6	14.2	20.0	25.5	22.2	18.7	21.8	23.7	18.5	16.5	15.1	17.3	21.0	24.2	27.8	29.3	27.4	24.8	23.1	21.1
23	22.3	21.7	21.2	20.6	20.8	19.6	21.2	21.4	21.4	23.9	23.1	21.9	19.5	18.2	18.2	15.3	18.1	23.1	26.0	26.7	28.1	28.6	25.7	23.9	22.1
24 D	21.9	21.1	18.6	16.7	19.4	19.0	20.8	21.3	22.3	22.3	22.0	21.5	19.9	20.6	17.7	15.8	18.6	23.5	21.0	9.9	33.2	30.4	25.0	23.5	21.1
25 D	8.8	26.6	24.0	37.7	22.2	25.1	32.1	36.5	30.8	28.4	26.6	29.7	33.3	25.1	23.4	34.7	36.8	11.9	-2.7	-10.2	-27.4	11.0	31.2	28.4	21.9
26 D	23.9	13.9	25.8	29.5	19.9	17.4	27.3	36.0	24.4	25.1	24.1	25.6	29.3	25.8	27.6	32.2	29.3	28.3	30.5	31.3	28.7	27.3	25.4	24.2	26.3
27	23.5	22.2	19.9	9.5	19.4	21.2	23.1	23.1	26.0	23.2	22.0	22.0	21.0	19.9	19.1	19.3	21.7	22.9	24.6	26.5	27.2	26.0	24.4	23.8	22.2
28	22.9	22.5	23.1	22.9	23.8	27.3	25.1	24.0	21.3	20.9	22.2	22.8	20.4	19.8	20.5	21.8	24.1	25.8	26.8	25.9	25.4	25.1	23.3	22.5	23.3
29	22.2	19.0	19.3	20.6	21.2	21.5	24.5	21.3	20.2	18.6	19.9	21.8	20.7	18.3	18.6	19.0	21.9	25.1	26.2	24.8	23.8	22.8	22.2	22.1	21.5
30 Q	21.9	21.6	21.2	21.2	21.2	21.2	21.6	21.1	21.0	20.2	20.0	19.6	18.1	16.0	14.7	16.9	21.2	24.7	25.9	25.0	24.1	22.7	21.7	21.7	21.0
31	21.7	21.0	21.0	20.1	19.8	21.2	20.5	21.6	21.0	19.0	19.1	20.2	19.6	15.8	13.9	16.3	20.9	24.9	26.3	26.5	26.1	23.9	22.5	21.6	21.1
Mean	22.7	21.3	20.6	19.4	20.3	20.2	21.5	22.1	22.3	21.8	22.2	22.4	21.6	19.2	17.7	18.4	21.3	23.8	25.3	25.4	25.8	25.8	25.0	24.0	22.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 3 Agincourt $Z = 56,000\ \gamma +$ January 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	259	258	258	251	251	250	221	238	251	244	236	238	244	250	247	247	246	250	256	261	263	264	270	285	251
2 D	330	318	306	211	258	246	231	221	229	222	163	185	189	203	226	244	255	261	262	264	264	259	256	256	244
3 Q	258	256	254	256	255	256	255	253	252	252	252	252	252	254	252	248	243	249	252	255	255	258	258	256	253
4 Q	255	253	252	250	249	249	249	249	249	248	249	249	249	249	247	243	240	240	247	250	250	252	249	249	249
5 Q	246	245	248	245	245	244	244	244	244	243	243	242	242	244	245	242	239	243	248	248	245	247	246	244	244
6	245	245	246	248	248	245	243	242	233	220	231	242	245	245	244	245	242	239	242	247	254	254	256	259	244
7	279	307	291	276	265	250	247	252	247	250	253	253	253	253	250	249	247	244	250	256	259	256	261	265	259
8	261	256	253	251	247	247	247	247	246	243	244	241	244	244	241	235	235	241	248	250	251	253	253	254	247
9	252	251	247	243	236	233	239	228	229	223	231	234	226	223	225	227	226	230	240	253	257	257	253	250	238
10	248	250	250	247	244	239	216	226	235	237	238	240	243	245	245	245	242	244	246	249	252	264	263	252	244
11	248	247	245	243	242	236	222	219	225	223	227	233	242	246	244	236	235	242	251	254	253	257	253	264	241
12	268	256	249	246	239	232	233	236	241	236	237	241	242	242	239	230	230	240	256	260	278	280	272	279	249
13	297	260	263	252	250	244	237	238	229	220	214	225	242	247	247	244	238	238	244	250	250	252	250	247	245
14	247	248	247	245	244	244	244	238	232	234	238	241	240	242	241	241	242	245	250	252	252	251	250	247	244
15 Q	247	246	244	242	240	239	240	239	239	239	238	233	237	237	236	231	231	234	241	246	246	246	246	243	240
16	244	244	243	244	243	240	237	234	234	231	220	223	236	239	237	234	234	240	246	250	251	249	248	247	240
17	249	250	249	243	241	240	237	237	237	236	234	236	237	237	233	226	228	230	236	237	238	239	239	238	238
18 D	240	239	240	240	243	247	245	243	237	231	217	228	237	237	234	228	232	238	237	241	246	258	270	279	241
19	293	284	274	268	243	223	220	227	234	228	225	228	237	237	233	226	231	240	249	256	255	258	251	251	244
20	249	244	243	243	240	239	227	223	223	232	237	240	239	238	234	231	234	237	237	238	243	246	244	240	237
21	242	242	242	239	238	232	227	230	233	235	236	239	239	242	238	233	230	236	242	244	248	251	252	249	239
22	253	254	249	245	242	222	216	230	218	226	230	233	236	238	239	236	238	245	246	248	251	252	248	242	239
23	242	240	241	240	238	233	236	237	236	235	230	230	236	239	239	238	245	242	250	256	261	269	271	278	244
24 D	267	260	257	250	230	236	240	236	233	236	241	239	239	239	236	233	239	245	248	333	288	272	259	273	251
25 D	296	-028	255	176	219	249	260	256	275	283	286	269	238	248	251	258	298	360	393	371	137	091	189	253	245
26 D	187	291	273	295	190	146	149	177	181	191	230	255	271	293	291	286	303	311	314	303	302	301	307	301	256
27	289	284	278	263	271	271	267	262	245	252	266	268	272	274	268	267	272	271	272	274	276	275	272	268	270
28	269	269	267	266	263	249	246	250	254	258	255	258	263	264	265	265	268	268	266	267	266	268	265	260	262
29	261	260	259	259	256	255	245	241	248	251	248	248	252	254	253	246	249	254	255	254	256	256	256	253	253
30 Q	252	254	253	252	250	251	251	249	251	249	249	249	250	251	249	247	250	251	251	249	251	253	251	251	251
31	250	251	249	248	248	247	242	241	245	246	246	247	250	250	240	234	241	247	254	257	255	254	252	251	248
Mean	259	249	256	248	244	240	236	237	237	237	237	240	242	245	244	241	244	250	255	260	253	252	255	257	247

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt — January 1949

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	11	39	361	15	27	313	48	23	52	32.2	03	25	9.3	22.9	23	59	309	06	40	208	101
2 D	12	42	397	03	20	213	184	10	55	45.7	03	08	-25.8	71.5	00	48	349	10	55	90	259
3 Q	22	57	363	17	00	316	47	19	48	28.9	01	53	15.0	13.9	00	37	261	16	08	243	18
4 Q	12	58	370	17	34	325	45	20	53	25.1	15	00	17.3	7.8	00	25	255	17	00	238	17
5 Q	22	14	377	17	23	334	43	21	01	24.1	14	45	16.8	7.3	18	38	248	16	05	238	10
6	23	59	370	17	32	328	42	23	59	29.0	14	53	16.4	12.6	23	59	266	09	28	215	51
7	00	05	372	05	43	289	83	00	32	36.2	05	13	9.0	27.2	01	52	317	05	30	237	80
8	13	52	375	16	31	305	70	08	17	31.9	14	51	16.3	15.6	00	05	266	16	00	235	31
9	13	36	392	18	45	303	89	19	46	32.4	14	46	14.9	17.6	20	38	260	09	17	219	41
10	11	51	366	21	48	302	64	06	28	38.2	14	52	12.4	25.8	22	00	273	06	30	202	71
11	05	46	361	16	55	317	44	23	02	27.6	05	54	8.8	18.8	23	40	277	05	56	210	67
12	12	22	364	17	47	286	78	20	06	35.4	15	47	13.7	21.7	21	07	289	05	40	227	62
13	01	38	358	01	00	299	59	00	27	34.8	01	05	10.2	24.6	00	54	377	11	16	215	162
14	13	36	368	17	45	319	49	04	25	27.5	16	17	16.9	10.6	20	00	254	08	24	231	23
15 Q	01	10	380	17	13	309	71	20	02	27.5	15	32	14.5	13.0	22	05	250	15	48	227	23
16	10	48	380	17	00	312	68	20	12	30.9	14	47	17.2	13.7	20	26	254	10	35	210	44
17	22	22	376	16	37	316	60	18	05	25.4	14	05	12.7	12.7	02	13	251	15	45	225	26
18 D	21	07	376	16	26	311	65	23	23	35.5	15	23	13.4	22.1	23	37	281	10	24	213	68
19	00	10	367	17	56	298	69	20	34	30.8	13	28	12.1	18.7	00	52	328	06	53	214	114
20	22	47	371	17	35	314	57	20	30	29.4	15	09	12.1	17.3	00	10	249	07	12	216	33
21	00	37	373	17	25	302	71	21	53	29.7	05	43	10.1	19.6	21	17	255	05	58	226	29
22	09	12	372	17	45	310	62	20	50	29.4	06	03	9.9	19.5	01	27	258	06	03	210	48
23	12	10	370	17	59	310	60	21	12	30.0	15	38	13.9	16.1	23	15	285	05	18	230	55
24 D	23	50	448	18	57	168	280	20	40	40.4	19	02	-1.6	42.0	19	48	369	04	35	221	148
25 D	20	30	929	06	55	-71	1000	01	04	86.5	20	32	-44.2	130.7	00	22	565	22	32	-460	1025
26 D	00	22	754	07	40	-221	975	06	02	85.1	01	30	-22.3	107.4	04	23	626	06	03	-176	802
27	13	28	344	03	00	254	90	20	02	28.4	03	05	-2.3	30.7	00	27	293	08	40	237	56
28	05	37	356	15	48	313	43	05	48	30.7	13	45	18.9	11.8	00	15	271	05	45	237	34
29	20	52	349	17	55	316	33	06	38	28.1	14	53	16.7	11.4	01	03	262	07	02	233	29
30 Q	22	56	349	17	14	307	42	18	20	26.0	14	58	13.8	12.2	02	05	254	14	57	247	7
31	22	25	355	16	21	301	54	19	53	28.2	14	33	12.1	16.1	19	08	258	15	11	234	24
Mean			401			271	130			34.5			8.3	26.2			300			185	115
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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	347	346	344	346	347	347	352	353	352	352	352	351	344	334	321	308	304	316	334	344	345	351	355	357	342
2 Q	357	354	352	354	354	356	357	360	363	361	363	356	354	352	339	317	309	307	324	343	357	366	365	360	349
3	359	357	365	363	358	355	359	363	365	359	363	367	371	363	352	335	324	324	334	344	367	365	350	399	356
4 D	419	460	383	234	277	221	284	280	281	312	316	323	340	326	313	296	288	288	304	316	326	335	336	335	317
5	338	337	334	334	335	336	339	344	349	346	347	347	350	354	344	329	318	310	308	323	339	349	354	354	338
6 D	344	340	344	345	344	349	351	356	354	352	363	354	333	333	307	277	269	274	298	319	315	323	339	325	330
7	310	300	309	313	309	287	294	282	283	298	322	325	340	325	395	288	285	289	300	312	316	320	332	338	307
8 Q	338	341	343	343	344	344	346	346	346	348	350	349	345	338	322	297	299	317	318	322	328	336	345	351	336
9 Q	353	353	355	354	356	356	358	358	360	360	361	361	360	353	340	323	312	308	315	328	339	350	357	360	347
10	358	359	356	360	358	356	358	359	355	358	358	359	359	353	341	322	314	314	321	334	341	345	354	358	348
11	354	358	353	353	358	360	362	367	363	353	363	372	364	350	343	325	320	318	318	329	360	348	345	356	350
12	344	343	345	344	356	343	353	339	340	332	349	355	345	336	333	331	325	322	325	329	336	346	353	360	341
13	347	352	356	355	353	366	349	352	347	353	353	359	354	347	330	317	310	308	316	328	344	357	353	356	344
14	354	344	355	348	349	354	352	350	360	355	355	355	350	339	323	318	322	325	333	343	351	354	356	362	346
15	359	363	364	360	358	360	360	359	359	359	360	365	361	352	326	308	298	308	322	339	348	354	359	356	348
16	351	346	354	356	354	353	350	371	370	367	365	364	358	346	333	310	302	300	315	333	346	365	373	364	348
17 D	368	369	358	353	348	346	338	343	336	335	346	351	331	323	295	284	303	307	308	322	334	337	335	340	334
18	328	337	336	331	329	325	322	317	315	341	353	349	349	338	319	309	302	297	295	306	334	354	341	344	328
19	348	343	341	345	343	349	351	349	350	352	354	351	350	340	332	318	305	298	302	314	328	343	353	356	338
20	358	359	359	359	360	361	362	364	365	365	364	363	361	353	348	337	331	320	328	333	337	351	358	350	352
21 D	345	348	342	342	344	344	350	351	358	364	364	362	356	357	355	329	362	356	354	370	360	375	365	350	354
22 D	349	312	310	306	251	210	233	230	274	321	319	356	355	342	333	328	318	315	321	333	346	342	350	345	313
23	344	343	343	341	341	343	343	346	344	346	353	346	348	358	356	351	336	325	331	341	338	348	351	354	345
24	353	317	338	334	349	353	348	349	351	352	353	358	348	333	329	315	317	324	328	341	346	354	341	343	340
25 Q	354	358	356	358	358	358	358	364	363	355	353	353	353	349	343	329	319	322	331	343	352	358	360	360	350
26	362	360	358	356	357	361	357	359	359	362	362	360	361	357	343	327	325	325	339	348	358	372	367	367	354
27	367	369	358	346	355	349	323	272	248	347	360	360	355	353	348	339	328	324	333	341	343	353	353	355	341
28	354	356	356	356	358	359	362	360	358	357	358	359	359	356	346	337	333	336	342	352	359	364	364	369	355
29																									
30																									
31																									
Mean	352	351	349	342	343	339	341	340	341	349	353	354	352	345	333	318	313	313	321	333	342	350	352	354	341

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt D = 7° W + ... ' February 1949

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	21.0	20.9	20.4	20.1	20.1	20.8	22.5	21.6	20.0	20.1	20.3	19.8	17.3	14.5	13.6	16.6	20.9	24.9	26.1	25.2	24.4	23.6	22.3	21.2	20.8
2	Q	20.9	20.3	19.5	20.1	20.7	21.1	21.2	21.0	21.2	20.3	19.1	17.6	18.4	14.5	14.8	18.3	22.0	24.9	26.7	27.2	25.8	23.9	22.1	21.6	21.0
3		21.2	20.9	19.8	19.8	20.3	21.0	21.4	22.2	20.4	19.0	18.1	17.4	14.6	12.0	12.6	16.7	20.0	23.9	26.3	27.6	27.2	29.5	30.5	28.8	21.3
4	D	22.1	15.0	13.1	13.7	21.0	34.1	16.1	21.0	29.4	15.8	22.7	32.1	24.1	15.0	13.7	18.5	22.2	24.0	25.9	27.6	27.4	26.1	25.2	24.5	22.1
5		23.3	21.8	21.3	20.9	21.7	22.5	22.5	24.6	22.3	21.8	21.3	20.9	18.7	16.0	13.0	14.7	17.9	22.5	25.7	26.8	26.6	25.4	24.0	23.4	21.7
6	D	24.0	23.1	21.7	21.0	20.9	19.9	21.6	22.3	22.1	25.5	22.7	31.3	32.0	27.1	20.9	21.0	29.4	29.4	27.2	28.6	27.6	26.0	26.6	26.8	25.0
7		24.1	21.6	16.4	15.9	13.4	13.1	16.4	15.8	09.0	10.0	21.6	27.9	20.1	14.9	14.0	17.6	23.4	26.1	27.8	28.2	27.3	26.8	25.8	24.8	20.1
8	Q	23.6	22.3	22.1	22.1	22.2	22.3	22.5	22.5	22.2	21.9	21.2	20.9	19.8	18.4	16.8	20.3	25.0	25.8	26.3	26.6	28.0	27.7	25.9	24.3	23.0
9	Q	23.1	22.7	22.1	21.4	21.3	21.2	21.2	21.2	20.9	20.4	20.0	19.6	18.9	16.7	14.5	15.2	18.0	21.6	24.0	26.4	27.4	26.7	24.9	23.1	21.3
10		22.1	22.0	21.0	22.0	21.6	21.5	22.7	23.0	21.5	20.9	20.8	20.0	19.2	16.8	15.7	16.5	18.0	20.6	21.8	21.1	23.0	24.0	23.0	21.7	20.9
11		22.1	20.4	21.1	20.8	20.9	21.0	21.1	20.6	20.9	20.3	22.6	19.0	17.1	12.9	11.6	11.9	17.1	21.8	25.7	27.4	30.0	33.6	32.4	28.9	21.7
12		25.1	22.0	21.0	19.2	18.4	20.4	18.5	16.9	15.8	14.2	17.9	18.8	18.8	18.5	17.2	19.3	20.1	23.0	25.0	27.0	26.0	26.2	25.3	21.1	20.7
13		20.9	21.9	20.6	20.2	18.3	22.0	20.3	19.0	19.1	21.7	19.7	19.0	17.6	16.6	14.8	16.3	19.4	23.6	25.6	26.7	26.0	24.5	21.6	23.1	20.8
14		23.8	19.9	20.2	20.3	20.8	20.1	19.8	25.6	21.8	19.4	19.1	19.9	19.2	18.0	16.5	18.1	20.0	23.0	24.7	25.9	26.1	27.1	23.0	25.0	21.6
15		24.0	22.0	20.9	20.9	19.5	20.9	21.0	20.1	19.3	19.0	19.6	19.6	16.6	15.9	16.5	21.9	24.8	31.9	33.0	29.1	28.9	26.7	23.9	22.2	22.4
16		22.7	18.2	18.6	20.2	19.7	19.9	19.0	23.8	20.8	19.1	18.8	18.8	17.0	15.6	15.3	16.8	21.1	24.5	27.2	28.1	26.4	25.0	23.9	24.0	21.0
17	D	25.1	23.8	22.0	20.2	19.2	19.0	22.0	15.0	15.9	18.5	18.4	14.5	17.4	31.1	22.0	24.5	35.0	31.7	31.5	34.4	31.8	29.2	25.8	24.2	23.9
18		20.8	20.6	20.6	18.8	12.4	15.3	13.6	15.4	28.6	22.4	18.6	20.8	20.5	16.6	17.2	16.5	19.5	23.2	27.9	30.4	28.4	26.5	24.0	25.1	21.0
19		23.2	22.0	20.9	18.3	20.6	21.1	23.8	20.9	20.8	24.6	20.0	19.2	18.1	15.9	16.1	18.0	22.4	25.6	27.3	28.1	27.1	25.5	24.0	23.3	22.0
20		23.0	22.5	21.8	21.7	21.6	21.5	21.2	20.9	20.7	19.9	19.3	19.0	18.6	19.9	22.5	22.6	24.0	24.8	25.3	26.3	26.2	24.9	24.2	23.6	22.3
21	D	24.4	20.9	18.5	20.0	14.5	16.3	18.5	20.7	21.0	18.6	18.3	19.7	19.8	17.4	15.6	12.9	13.4	22.7	25.6	26.1	24.0	25.7	25.6	26.5	20.3
22	D	26.6	13.4	12.4	12.1	07.8	14.2	23.9	30.6	28.5	25.7	32.0	22.2	20.8	19.0	16.2	18.0	21.8	25.3	26.2	24.2	23.7	24.4	24.4	24.2	21.6
23		24.5	23.7	22.6	21.7	21.7	21.6	21.7	21.7	21.1	21.6	20.7	20.0	22.1	16.0	17.5	21.8	22.7	22.9	25.1	26.3	25.6	24.6	23.6	23.3	22.1
24		23.0	07.8	16.3	20.2	22.1	22.6	20.9	17.1	19.7	19.9	22.6	21.0	21.7	22.9	22.1	22.8	23.2	23.3	25.2	26.6	25.7	25.0	25.0	22.7	21.7
25	Q	23.0	21.5	21.0	21.1	21.1	21.1	21.0	21.2	21.0	20.0	19.4	19.5	19.1	17.0	15.1	16.3	18.8	23.0	25.1	26.5	24.8	23.8	22.9	22.4	21.0
26		22.0	21.5	22.1	20.1	21.0	20.3	21.0	21.0	20.4	19.9	19.3	19.2	18.9	18.0	16.8	16.4	20.9	25.1	26.2	25.7	24.2	22.7	21.2	22.0	21.0
27		22.0	21.9	21.0	18.9	20.0	18.6	21.0	10.9	34.5	26.8	20.4	18.0	17.4	15.5	16.5	17.9	21.5	24.0	25.2	25.7	24.7	15.1	14.4	13.9	20.2
28		22.2	22.0	21.7	21.8	21.0	21.5	12.6	27.3	21.7	19.2	19.4	19.1	19.0	17.7	17.0	17.4	20.0	23.3	24.8	25.2	25.0	24.5	23.7	22.8	21.2
29																										
30																										
31																										
Mean		23.0	20.6	20.0	19.8	19.4	20.5	20.3	20.9	21.4	20.2	20.5	20.5	19.3	17.5	16.2	18.0	21.5	24.5	26.2	27.0	26.4	25.5	24.2	23.5	21.5

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 7 Agincourt Z = 56,000 γ + February 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	249	251	249	249	248	247	244	242	247	247	247	247	250	250	246	237	241	247	252	250	248	247	248	247	247
2 Q	245	246	246	244	244	242	242	241	242	241	239	238	244	244	235	233	236	241	250	253	252	249	247	247	244
3	247	247	247	245	244	244	244	242	238	241	244	244	246	244	235	232	232	235	241	247	254	270	304	375	252
4 D	426	429	353	291	274	160	169	176	168	192	230	212	235	254	254	250	253	255	259	264	264	263	260	258	257
5	259	257	255	257	255	252	252	252	247	250	251	252	254	252	244	239	237	241	247	255	254	253	251	249	251
6 D	252	254	254	252	249	247	247	249	248	229	188	192	193	200	231	241	253	275	302	347	319	297	298	298	255
7	318	329	307	294	159	233	246	225	179	192	235	219	255	270	262	261	263	267	273	271	268	266	262	260	255
8 Q	261	259	256	255	253	252	253	253	254	253	252	253	254	255	249	250	255	260	257	258	259	261	261	258	255
9 Q	254	252	252	252	252	251	250	250	249	249	247	247	250	252	250	245	244	252	251	250	253	252	251	249	250
10	246	246	246	246	244	243	240	240	241	243	244	245	243	243	240	233	238	246	254	259	257	254	253	250	246
11	249	248	248	248	247	246	243	240	240	238	237	234	240	240	235	228	232	237	241	246	257	267	271	269	245
12	270	260	256	253	198	215	228	225	217	228	243	246	243	243	241	240	241	246	249	255	260	260	263	259	243
13	257	257	252	249	246	220	237	246	244	236	231	228	235	240	241	243	246	250	254	257	258	256	256	253	246
14	257	262	261	257	258	251	240	225	230	240	240	243	246	245	243	243	244	246	251	253	252	253	261	256	248
15	254	252	251	251	249	245	243	243	243	238	233	233	237	238	237	239	243	251	257	257	256	258	253	249	246
16	237	234	251	249	247	245	240	224	231	241	243	243	246	245	243	237	236	238	243	251	255	253	252	249	243
17 D	251	260	260	260	260	254	231	220	234	223	187	193	192	188	186	207	247	258	265	260	264	270	273	271	238
18	282	270	258	250	240	207	223	228	205	218	239	226	240	243	246	249	251	251	265	271	271	272	271	270	248
19	264	263	260	252	251	248	237	236	240	228	224	240	246	250	250	251	256	258	259	263	263	261	254	249	250
20	247	247	246	246	245	244	246	245	244	243	244	243	243	246	244	241	241	247	254	264	259	257	257	256	248
21 D	264	267	270	267	241	247	248	245	239	237	241	238	236	231	228	221	237	231	230	240	246	255	261	284	246
22 D	340	287	300	293	227	239	190	133	152	176	171	215	240	248	250	251	250	257	253	249	248	250	250	249	238
23	251	252	252	251	250	251	250	249	249	248	247	243	245	245	239	245	244	248	254	256	252	250	249	250	249
24	251	259	262	278	257	249	239	203	222	242	230	236	230	233	235	233	242	249	247	249	256	260	258	259	245
25 Q	257	252	248	245	245	244	245	239	236	236	236	242	246	246	242	239	239	242	246	247	249	249	247	247	245
26	243	243	243	241	239	238	240	242	242	243	242	242	242	244	242	239	235	234	227	230	236	242	242	242	240
27	240	242	243	248	243	236	177	139	173	224	229	227	239	240	236	235	233	236	239	242	245	245	243	243	229
28	243	243	243	244	243	242	236	210	219	237	242	240	242	240	238	235	235	236	240	242	239	240	240	240	238
29																									
30																									
31																									
Mean	264	263	260	256	243	239	235	227	227	233	233	234	240	242	240	239	243	247	252	257	257	257	258	260	246

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt — February 1949

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	Q	23	25	357	16	40	303	54	18	00	26.3	14	21	12.0	14.3	18	42	253	15	40	235	18
2	Q	21	36	370	17	30	303	67	19	37	28.0	14	32	10.9	17.1	19	38	254	15	35	232	22
3		04	06	530	17	40	321	209	13	53	37.4	14	00	8.2	29.2	23	58	465	15	50	229	236
4	D	02	05	574	05	42	143	431	05	40	60.6	02	25	4.8	55.8	01	11	475	05	33	-18	493
5		22	48	361	17	58	303	58	07	36	28.0	14	48	10.4	17.6	20	43	260	16	20	235	25
6	D	10	28	373	15	50	251	122	12	06	35.9	15	08	18.4	17.5	19	23	365	12	55	176	189
7		04	11	371	04	38	232	139	04	37	50.5	04	01	-27.4	77.9	01	22	353	04	33	70	283
8	Q	23	59	353	15	45	286	67	20	40	28.6	14	15	16.4	12.2	00	32	261	14	58	247	14
9	Q	10	56	364	17	04	300	64	21	00	27.5	15	05	14.0	13.5	17	54	254	15	30	244	10
10		23	36	362	17	10	310	52	21	08	24.9	14	29	15.4	9.5	19	43	259	15	40	231	28
11		08	23	387	18	03	312	75	21	43	35.6	15	35	8.0	27.6	21	04	278	13	31	224	54
12		23	48	377	05	11	313	64	04	56	37.5	04	20	8.6	28.9	00	13	276	04	50	149	127
13		05	18	384	18	06	302	82	20	15	27.7	14	22	14.2	13.5	00	57	261	05	38	205	56
14		00	37	374	16	00	312	62	07	40	28.1	01	14	14.4	13.7	00	42	266	07	48	218	48
15		02	50	368	16	40	289	79	18	15	34.4	14	30	12.9	21.5	20	42	259	10	55	230	29
16		22	25	385	17	16	297	88	19	25	28.5	13	44	14.4	14.1	20	38	256	07	36	215	41
17	D	00	30	371	16	03	261	110	13	26	41.2	07	20	10.3	30.9	18	37	276	10	33	168	108
18		21	28	363	18	28	286	77	08	32	34.2	04	35	7.3	26.9	00	44	305	05	50	192	113
19		23	59	359	17	30	295	64	19	30	28.3	13	43	14.6	13.7	01	45	264	10	03	217	47
20		09	14	369	17	37	314	55	19	00	27.2	12	19	18.3	8.9	19	42	266	15	00	240	26
21	D	19	56	394	15	20	293	101	23	59	30.2	15	28	3.8	26.4	23	59	310	15	25	202	108
22	D	00	42	454	05	44	50	404	00	34	59.3	03	45	-23.5	82.8	00	33	386	06	42	-5	391
23		14	08	379	17	26	322	57	20	41	26.6	13	57	11.5	15.1	19	45	256	14	51	234	22
24		12	05	368	01	24	297	71	13	56	29.4	02	57	4.5	24.9	03	10	289	07	25	151	138
25	Q	07	43	369	16	30	317	52	19	07	26.5	14	48	14.4	12.1	00	15	257	09	53	233	24
26		21	24	391	17	08	308	83	17	35	27.0	15	34	14.7	12.3	21	27	247	18	45	226	21
27		11	15	384	08	38	183	201	08	28	47.3	07	47	5.1	42.2	03	34	251	07	40	109	142
28		20	50	369	16	15	329	40	07	28	29.1	15	53	13.6	15.5	05	20	244	07	37	199	45
29																						
30																						
31																						
Mean				388			280	108			33.8			8.9	24.9			291			189	102
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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	375	371	368	368	371	370	375	371	372	370	371	376	383	368	371	338	323	329	332	337	345	357	352	337	358
2	342	341	340	334	320	327	334	349	330	337	324	357	356	350	334	318	308	311	316	321	340	365	365	366	337
3	370	357	334	350	350	351	337	365	359	359	356	346	356	355	339	308	292	296	319	329	339	335	342	342	341
4	344	350	352	353	355	357	357	359	351	359	357	359	354	344	329	320	309	316	324	334	340	351	357	359	346
5	355	357	365	355	351	352	352	358	363	363	364	359	354	340	326	318	313	308	318	330	341	349	359	364	347
6 Q	370	367	366	366	366	367	370	368	366	363	365	364	359	355	341	324	316	316	321	336	350	360	366	368	354
7	370	366	369	371	370	370	371	371	375	373	371	370	371	360	344	334	326	330	333	340	350	359	367	365	359
8	366	369	375	375	374	372	373	373	376	376	373	375	372	369	357	351	336	334	338	347	359	359	363	365	364
9	356	347	344	349	352	357	365	364	365	365	367	370	363	361	334	312	333	321	328	336	342	343	351	355	349
10 Q	357	358	358	361	361	361	363	364	366	367	367	362	359	351	336	321	315	319	330	347	360	366	367	366	353
11 Q	367	368	368	368	368	365	367	367	367	370	372	370	365	357	348	335	329	334	339	351	363	369	371	371	360
12	373	375	372	369	371	372	373	371	373	375	377	374	368	357	335	326	335	338	346	351	363	375	374	367	363
13	360	348	352	352	350	352	355	350	344	354	352	351	332	347	335	298	304	329	338	374	380	395	373	390	351
14 D	401	401	366	341	336	334	325	340	325	304	302	331	310	303	303	299	292	282	299	321	337	352	361	356	330
15	346	334	339	346	341	343	341	337	333	315	290	299	305	294	304	290	293	298	319	342	355	346	345	344	325
16 D	340	345	347	350	352	354	355	354	353	359	363	359	349	336	332	310	237	236	295	331	337	323	315	324	332
17 D	339	341	347	345	341	340	344	346	347	347	344	334	340	334	318	289	292	303	315	334	347	351	391	369	337
18	306	321	314	306	303	296	272	277	315	320	330	326	307	304	303	294	284	290	321	330	365	366	362	349	315
19	349	356	356	357	355	360	354	347	344	342	348	350	344	332	313	299	313	323	341	364	361	373	360	365	346
20	368	363	364	365	365	354	335	347	350	347	350	350	334	323	332	318	313	334	360	362	372	370	359	366	350
21	361	355	357	357	353	356	352	352	352	347	347	344	344	340	330	330	326	332	332	355	371	391	388	375	352
22 D	411	402	366	187	070	153	134	140	020	079	005	157	306	278	275	300	308	282	305	351	339	346	346	346	246
23 D	340	346	355	274	196	258	097	179	229	294	349	322	287	300	304	298	302	315	318	329	344	343	351	354	295
24	354	352	351	348	351	354	341	349	354	356	353	346	346	339	329	312	304	314	327	357	361	367	361	361	345
25	361	363	361	363	361	339	345	351	350	350	359	356	355	339	323	306	303	305	326	343	360	367	385	369	348
26	352	365	365	367	354	337	313	340	336	350	365	359	351	338	322	309	318	337	346	355	359	366	366	365	347
27 Q	366	366	365	364	363	364	365	368	365	367	365	361	358	345	332	329	325	330	340	350	360	370	381	375	357
28	369	373	375	371	386	365	373	383	380	383	381	373	369	365	342	328	343	338	343	364	386	357	356	371	366
29	340	343	356	364	364	363	363	361	369	372	364	363	359	347	324	313	310	324	339	350	365	370	368	365	352
30	368	367	365	350	347	367	356	354	352	357	359	365	357	350	331	313	315	325	338	351	361	368	371	368	352
31 Q	368	370	371	375	375	371	368	365	371	373	375	372	367	349	330	315	314	314	335	361	375	382	382	378	360
Mean	359	359	357	348	341	344	336	342	340	345	344	348	348	340	329	315	311	315	329	344	356	361	363	361	343

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt D = 7° W + ... ' March 1949

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		21.9	22.0	21.7	21.3	20.6	20.7	20.0	20.1	19.7	19.4	19.3	20.6	21.7	24.2	21.3	20.6	25.8	27.2	25.4	29.1	29.7	28.1	29.3	24.8	23.1
2		21.1	19.2	18.9	17.5	10.2	24.9	23.9	13.6	12.4	20.4	27.2	16.5	14.4	17.7	20.4	22.0	24.5	27.3	29.5	29.7	29.3	26.7	24.8	24.2	21.5
3		23.0	21.1	14.6	18.9	20.3	18.1	25.5	20.3	18.9	16.9	20.0	25.1	27.6	24.5	22.1	22.1	20.8	21.7	25.1	28.1	28.8	28.2	25.7	23.7	22.6
4		22.3	22.2	21.4	21.0	21.2	21.4	21.7	22.2	22.6	23.9	20.6	19.7	17.8	16.9	16.1	19.2	21.2	23.5	26.2	27.8	27.9	26.4	24.8	23.2	22.1
5		22.0	19.1	21.5	19.7	10.6	19.2	19.0	19.9	21.6	20.4	19.7	17.9	15.9	13.9	13.3	15.5	19.1	22.7	26.0	28.0	28.1	26.6	24.5	23.3	20.3
6	Q	23.1	22.1	22.0	21.6	21.2	21.0	20.4	19.4	20.0	19.5	18.9	18.2	18.4	16.2	13.3	15.1	19.0	22.0	25.5	27.3	27.9	26.6	25.1	23.5	21.1
7		22.5	22.4	21.9	21.0	20.6	20.2	20.0	19.8	19.7	20.9	18.4	17.1	15.8	15.1	14.3	18.2	23.4	24.2	26.2	27.9	28.4	27.3	24.8	23.0	21.4
8		22.5	22.3	20.6	20.3	19.8	19.7	19.1	20.0	20.0	19.3	18.4	17.9	16.0	15.8	14.4	17.1	16.7	21.7	23.3	25.3	26.0	24.4	23.5	22.6	20.3
9		21.8	24.0	20.0	20.8	17.7	18.3	20.3	19.7	18.6	20.6	23.4	20.1	13.6	15.4	14.2	17.2	27.5	25.1	28.6	30.9	30.7	28.1	24.2	23.1	21.9
10	Q	22.7	22.0	21.6	21.3	21.0	20.9	20.8	20.7	20.3	19.7	19.0	17.8	15.8	14.2	14.1	17.6	22.1	27.1	30.0	31.2	28.1	24.9	23.5	23.5	21.7
11	Q	22.6	21.8	21.5	21.2	20.9	20.8	20.0	19.0	20.0	19.9	18.9	18.1	16.4	14.9	14.3	16.4	20.9	25.0	26.9	26.7	25.3	24.3	23.2	22.7	20.9
12		22.0	21.8	21.8	21.1	20.9	21.0	20.0	19.7	18.9	20.5	19.2	17.9	14.9	14.4	12.7	18.2	24.0	27.1	29.4	29.2	27.3	25.4	24.8	22.9	21.5
13		22.0	16.0	19.4	16.2	16.7	16.0	16.3	16.3	16.5	16.3	16.5	18.0	11.8	16.6	15.4	15.5	27.2	30.6	31.8	32.1	31.8	28.1	23.9	31.5	21.0
14	D	36.5	19.0	16.0	13.5	17.5	18.8	18.4	17.6	18.0	26.4	17.9	12.6	11.0	15.6	21.0	26.4	27.0	26.7	31.5	29.4	26.7	24.5	22.0	25.3	21.6
15		24.2	17.3	14.7	19.9	19.9	21.1	23.9	20.0	15.7	15.2	27.5	13.3	11.5	16.4	16.5	23.0	30.1	31.4	31.9	31.7	32.7	30.9	25.4	22.1	22.3
16	D	20.5	19.0	19.2	20.3	20.7	21.0	20.9	20.5	19.2	20.9	17.6	16.5	13.8	11.8	12.7	11.9	10.1	19.7	39.2	32.9	30.1	27.4	24.6	22.0	20.5
17	D	21.5	21.5	21.5	21.8	22.4	22.0	21.5	21.5	21.0	21.9	23.3	16.3	18.5	19.4	21.1	25.4	28.5	31.1	30.3	31.7	30.1	27.6	25.4	21.5	23.6
18		12.9	22.4	18.3	18.3	14.2	12.7	21.1	24.2	17.2	18.4	17.6	13.9	18.3	23.7	21.0	19.3	22.0	29.1	32.2	31.7	28.6	29.9	28.1	24.8	21.7
19		19.0	21.8	22.9	22.0	20.0	20.2	21.0	18.1	17.5	18.5	16.6	17.2	14.9	13.9	15.2	18.3	24.7	29.2	30.9	29.9	28.8	27.1	24.4	22.7	21.4
20		22.6	23.0	22.0	21.8	21.0	16.7	18.9	19.2	18.2	15.9	16.2	15.6	13.8	14.9	17.4	17.1	23.9	29.1	30.8	31.1	29.9	28.4	27.3	25.5	21.7
21		28.3	23.7	21.7	20.9	20.4	18.1	18.4	18.4	19.2	20.0	20.0	16.7	13.9	13.9	16.1	20.4	22.6	26.5	29.5	28.0	27.9	29.1	22.0	26.5	21.8
22	D	22.7	12.4	18.2	23.9	27.1	23.9	47.3	17.9	20.0	06.9	31.1	36.7	30.6	23.3	29.7	29.1	23.6	23.3	23.5	25.4	27.9	25.3	23.3	23.5	24.7
23	D	23.4	22.6	21.6	32.4	27.6	14.2	16.2	38.8	27.0	16.2	13.8	17.3	29.4	28.3	25.0	27.4	26.0	25.3	28.9	28.5	26.2	24.0	21.8	21.3	24.3
24		22.0	22.0	21.7	21.0	20.0	18.3	21.7	20.7	20.0	20.6	22.1	22.2	19.7	16.4	18.0	20.0	24.4	29.0	30.0	29.3	27.4	25.0	23.3	23.2	22.4
25		22.6	22.0	21.8	21.6	17.0	18.0	18.9	19.0	18.8	20.8	21.2	21.7	17.6	13.7	14.9	18.3	22.6	29.0	32.1	30.9	27.1	24.7	22.7	22.7	21.6
26		19.9	23.0	21.2	14.0	22.0	18.1	31.7	13.9	19.4	30.0	18.8	16.9	16.3	15.7	18.1	23.3	28.9	31.5	29.9	27.9	25.5	22.6	20.8	21.5	22.1
27	Q	22.0	22.0	21.8	21.2	21.5	20.8	20.8	22.0	19.7	18.8	18.4	17.7	16.0	14.9	16.9	21.5	25.3	28.3	30.3	29.9	27.9	25.6	23.8	22.9	22.0
28		22.6	22.6	22.4	21.5	18.8	20.2	19.8	17.7	16.0	19.1	16.6	13.9	12.6	12.5	11.5	16.0	22.6	25.9	29.8	29.9	29.2	28.4	27.1	24.2	20.9
29		15.8	19.7	21.2	21.3	20.8	21.5	19.0	19.7	19.6	18.1	20.8	24.2	16.9	15.3	14.3	19.0	23.6	27.2	32.1	30.6	28.4	26.2	24.7	23.2	21.8
30		22.3	22.1	21.1	10.6	15.5	27.8	20.0	17.4	19.3	16.0	19.0	18.1	16.9	17.3	16.5	20.0	25.3	29.5	31.2	30.1	27.9	24.9	22.6	21.9	21.4
31	Q	20.6	21.5	21.5	21.0	23.0	20.9	20.0	19.3	19.4	18.8	18.5	16.9	15.3	14.3	15.1	19.3	25.3	31.2	32.1	30.3	27.9	24.5	22.5	22.4	21.8
Mean		22.2	21.1	20.5	20.3	19.7	19.9	21.5	19.9	19.1	19.4	19.9	18.5	16.9	16.8	17.0	19.7	23.5	26.7	29.3	29.4	28.3	26.5	24.3	23.5	21.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 11 Agincourt — Z = 56,000 γ + — March 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	240	240	242	239	239	239	239	239	239	239	239	239	224	224	217	218	226	239	251	259	262	263	266	269	242
2	264	260	259	251	229	188	189	203	210	211	157	187	222	227	226	229	236	245	247	259	268	278	263	251	232
3	257	263	265	258	239	223	192	212	234	236	233	207	192	206	213	224	237	270	293	283	274	257	255	255	241
4	255	250	247	246	245	239	240	239	230	222	233	240	242	243	243	244	245	245	240	243	249	247	245	246	242
5	249	248	245	244	222	230	236	239	242	242	240	243	242	240	236	233	233	236	240	245	249	252	251	247	241
6 Q	244	242	240	240	240	240	239	237	235	236	239	239	240	239	236	227	227	230	234	235	242	245	245	242	238
7	240	239	239	239	239	237	237	236	236	228	227	235	236	235	233	233	234	230	235	233	239	245	246	243	236
8	239	239	240	237	237	237	236	235	225	227	233	236	236	239	236	233	229	230	229	233	239	245	245	245	236
9	244	252	256	246	229	243	241	241	239	234	226	226	232	232	226	226	232	232	238	245	250	252	250	245	239
10 Q	241	239	240	239	238	238	238	239	238	238	238	238	236	232	229	232	231	229	238	244	245	244	239	240	238
11 Q	239	239	238	238	238	238	238	232	238	238	238	238	238	236	236	231	226	229	232	234	238	238	238	235	236
12	236	235	234	235	235	233	235	235	235	231	226	228	232	229	229	232	231	229	231	234	240	248	255	257	235
13	262	265	264	258	254	238	246	238	239	241	234	223	222	223	217	218	231	241	249	263	278	291	285	297	249
14 D	362	440	386	300	277	259	245	249	232	144	173	232	238	220	205	212	222	244	257	273	286	304	300	297	265
15	303	294	270	258	254	246	209	193	199	197	140	158	188	204	215	222	232	247	264	271	276	271	268	263	235
16 D	265	259	255	248	244	243	241	242	241	238	239	244	241	239	236	226	231	277	305	274	259	250	254	257	250
17 D	254	248	245	244	247	249	248	248	241	228	187	198	232	234	228	234	251	265	291	292	314	321	345	376	259
18	322	357	247	215	239	240	203	158	205	215	209	234	241	232	236	238	239	249	261	265	274	265	271	268	245
19	262	251	246	245	244	223	215	232	237	234	235	245	247	245	245	246	249	244	250	257	256	258	262	257	245
20	252	249	247	246	248	230	234	244	235	228	244	248	246	244	244	236	241	246	255	262	267	270	267	267	248
21	278	271	264	259	254	242	247	244	241	231	219	232	241	244	241	231	222	226	238	249	253	271	330	318	252
22 D	352	386	374	172	247	204	182	095	092	089	-001	132	235	249	255	258	263	285	339	339	303	273	267	258	235
23 D	257	259	257	124	126	116	044	168	132	168	253	253	229	225	237	239	253	260	260	263	269	263	263	259	216
24	257	256	253	251	247	237	233	239	248	250	249	247	250	253	250	245	248	248	250	251	251	256	251	250	249
25	248	247	246	246	235	219	227	240	245	247	248	239	239	243	248	249	254	260	260	253	251	250	256	256	246
26	266	257	251	236	209	220	157	203	210	197	219	232	240	248	245	244	250	257	260	253	255	258	251	250	236
27 Q	245	245	245	242	245	242	242	239	239	241	240	240	239	240	242	242	245	247	250	249	245	245	245	243	243
28	242	242	240	240	209	230	239	239	236	233	224	235	239	239	233	233	235	227	229	235	245	262	249	254	237
29	263	256	247	239	235	237	233	235	224	235	230	219	226	227	227	233	237	243	249	246	245	250	248	247	239
30	245	242	242	230	230	202	197	215	222	215	227	233	229	230	233	237	243	248	252	255	250	250	245	244	234
31 Q	243	242	239	237	229	230	235	239	237	238	239	239	239	235	233	233	233	235	239	240	242	242	240	237	237
Mean	262	265	257	239	235	229	221	224	225	221	218	227	234	235	234	234	238	245	254	256	259	260	262	261	241

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt — March 1949

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		11	46	401	16	22	318	83	19	56	31.8	15	12	14.9	16.9	23	26	269	15	10	209	60
2		11	28	374	04	17	303	71	10	43	35.2	04	25	3.5	31.7	21	38	282	11	03	134	148
3		00	24	381	17	00	272	109	06	35	31.2	02	21	11.7	19.5	18	16	298	06	38	183	115
4		09	10	364	16	30	307	57	08	59	30.3	14	21	13.8	16.5	00	35	257	09	22	216	41
5		04	28	370	17	10	304	66	20	10	28.8	04	25	2.1	26.7	22	00	253	03	35	201	52
6	Q	06	41	372	17	00	313	59	19	50	28.3	14	22	12.7	15.6	21	56	245	16	05	224	21
7		09	06	378	16	09	318	60	20	20	29.2	14	45	13.6	15.6	22	32	246	10	13	221	25
8		08	08	383	17	35	331	52	20	50	26.2	14	20	11.2	15.0	22	45	246	08	27	221	25
9		11	15	374	15	39	297	77	16	10	31.7	12	53	6.0	25.7	02	00	256	04	27	218	38
10	Q	22	51	369	16	55	311	58	19	30	31.2	13	57	13.5	17.7	21	04	247	17	33	226	21
11	Q	23	50	373	16	34	325	48	19	10	27.1	13	55	13.8	13.3	12	30	239	16	28	225	14
12		21	22	389	15	15	316	73	19	02	30.2	14	15	11.5	18.7	23	36	264	10	43	223	41
13		21	20	412	15	46	285	127	23	58	34.2	12	43	9.3	24.9	23	58	347	12	03	211	136
14	D	01	00	471	10	12	249	222	00	57	47.2	02	54	-8.7	55.9	00	58	532	10	23	101	431
15		20	35	361	10	13	270	91	20	42	34.3	02	04	3.3	31.0	01	46	312	10	43	126	186
16	D	10	10	363	17	11	185	178	18	34	42.8	16	10	3.3	39.5	18	35	316	16	02	206	110
17	D	21	33	507	16	04	272	235	22	39	37.5	23	46	7.2	30.3	23	39	478	10	37	176	302
18		21	02	371	07	02	169	202	02	47	59.0	02	44	-1.0	60.0	01	07	405	06	57	74	331
19		21	25	379	15	33	292	87	18	00	31.1	13	12	12.9	18.2	22	40	267	06	30	212	55
20		20	47	381	15	56	304	77	19	25	32.1	05	23	11.9	20.2	20	47	272	09	20	219	53
21		21	32	455	16	03	322	133	21	40	34.4	13	23	12.4	22.0	22	53	360	10	27	213	147
22	D	01	50	489	10	39	-109	598	06	23	66.1	09	20	-8.5	74.6	02	03	498	10	36	-137	635
23	D	02	51	370	06	55	-155	525	06	50	67.5	04	58	-3.5	71.0	10	54	272	06	38	-066	338
24		20	02	373	16	05	301	72	18	51	30.3	13	53	15.4	14.9	00	01	257	06	40	230	27
25		22	28	393	17	02	297	96	18	50	32.8	04	48	10.8	22.0	17	54	263	05	07	210	53
26		09	58	376	06	55	273	103	06	24	48.9	03	50	7.2	41.7	00	22	268	06	46	135	133
27	Q	22	23	386	16	38	324	62	18	30	31.1	13	43	14.4	16.7	18	28	250	07	45	235	15
28		04	27	402	15	10	313	89	21	22	30.9	14	57	9.0	21.9	21	42	270	04	40	183	87
29		21	34	378	16	05	308	70	18	23	33.3	13	06	12.6	20.7	00	38	271	08	21	212	59
30		05	30	382	15	38	308	74	05	39	31.9	03	35	4.2	27.7	18	40	256	06	04	186	70
31	Q	21	33	385	11	40	295	90	17	42	34.8	14	12	13.9	20.9	01	10	243	04	42	221	22
Mean				392			265	127			36.2			8.2	28.0			298			176	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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	380	380	380	380	380	378	376	377	381	382	385	382	375	360	344	329	325	334	351	364	365	377	381	386	369
2	371	367	370	373	373	373	373	376	381	379	379	380	375	361	343	332	340	351	370	376	381	381	380	382	370
3	385	383	382	380	380	381	371	373	371	372	376	372	361	356	335	313	315	340	357	367	372	378	380	376	366
4	375	376	375	373	376	375	363	358	359	363	366	366	361	350	339	335	335	348	366	373	376	376	375	377	364
5 Q	381	380	380	377	375	373	375	376	377	381	381	376	366	354	336	316	314	326	346	365	375	379	382	375	365
6 Q	373	370	367	371	373	371	373	377	380	378	375	369	361	350	334	323	324	339	356	373	383	385	386	382	366
7 D	378	374	378	379	378	377	378	379	378	378	375	378	365	350	342	340	350	366	393	418	402	409	499	700	394
8 D	780	579	404	319	392	341	280	112	041	-003	144	247	167	243	276	263	275	313	382	397	381	350	330	329	306
9	335	340	335	335	339	338	346	340	342	343	337	330	323	312	299	298	311	325	346	363	369	371	389	382	339
10 D	357	356	340	326	320	324	323	335	320	328	344	324	298	308	284	277	277	303	329	359	414	436	381	375	335
11 D	346	338	350	350	352	360	357	372	378	381	378	365	345	339	293	292	310	339	370	382	370	366	366	367	353
12 D	368	368	369	365	365	365	359	348	316	305	342	352	316	342	334	312	337	363	378	391	391	382	380	375	355
13	368	376	365	339	324	352	354	361	355	335	334	345	328	299	290	305	303	326	352	373	385	385	386	370	347
14	366	366	359	347	363	375	359	365	355	347	345	341	341	327	311	311	321	337	351	374	388	397	388	365	354
15	354	368	359	359	365	366	375	365	363	363	363	360	352	336	317	304	311	327	342	365	380	383	383	377	356
16	378	370	373	378	372	366	365	363	357	355	351	351	351	324	315	297	323	344	355	370	385	376	375	384	357
17	378	371	360	359	359	359	359	341	347	346	343	335	335	349	333	318	320	337	347	361	371	383	387	376	353
18	371	372	363	360	367	367	367	368	370	370	369	367	357	342	326	317	330	345	360	370	390	390	383	376	363
19	369	369	371	371	367	369	368	366	356	357	356	358	363	348	342	335	331	340	354	370	380	375	378	378	361
20 Q	375	379	375	373	371	370	370	371	373	372	372	375	365	349	330	321	330	342	356	363	371	373	381	384	364
21 Q	377	374	374	373	377	377	370	369	370	371	371	370	361	349	338	334	349	365	376	386	392	385	375	373	369
22	373	376	377	382	382	385	386	385	384	383	380	376	367	351	341	340	350	353	367	369	377	379	377	375	371
23	377	379	378	378	376	381	380	374	381	372	361	361	354	335	323	332	338	347	366	372	375	374	371	375	365
24	375	383	390	386	383	385	383	383	386	383	383	378	365	357	341	336	345	371	387	391	391	388	386	371	376
25	373	371	371	373	372	381	378	378	377	376	372	369	356	344	328	319	332	352	375	393	397	391	390	379	369
26	370	374	378	366	367	373	377	375	378	378	378	378	367	354	344	346	360	371	383	392	396	399	380	380	373
27	391	367	371	353	369	382	380	377	378	379	373	368	361	351	345	342	351	360	368	379	385	380	377	374	369
28	376	378	378	379	381	373	371	371	374	371	371	370	357	337	320	341	318	305	289	299	323	349	365	375	353
29	375	379	371	373	377	375	376	377	377	375	373	368	361	350	340	336	324	339	356	376	365	359	359	370	364
30 Q	358	365	367	370	372	370	368	368	371	368	370	362	359	352	339	330	334	341	334	367	374	379	380	379	363
31																									
Mean	385	377	370	365	368	369	365	359	356	353	358	359	347	339	326	320	326	341	359	373	380	381	382	386	360

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt — D = 7° W + ... ' — April 1949

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	21.9	21.7	21.1	20.9	19.2	18.5	19.2	18.3	17.9	17.2	14.6	12.7	11.2	11.7	15.5	21.1	25.9	29.2	30.8	28.2	25.9	23.3	21.8	20.4
2		21.8	23.0	22.3	21.2	20.9	20.7	20.1	19.7	19.4	18.8	18.2	16.0	14.3	13.0	14.1	18.8	24.5	30.0	33.1	32.8	29.8	27.0	24.8	23.5	22.0
3		23.1	22.1	20.9	20.3	20.1	19.4	16.5	16.7	17.5	18.1	18.1	18.3	17.2	16.4	14.8	17.4	22.7	28.2	27.7	27.7	25.9	23.9	22.5	21.8	20.7
4		21.9	21.6	21.0	20.9	20.5	18.7	14.0	15.5	15.5	13.6	14.6	15.8	12.7	13.1	14.9	19.4	23.8	26.9	28.7	29.1	27.6	25.5	23.7	22.1	20.1
5	Q	21.8	21.8	21.4	21.4	19.3	19.1	20.3	20.0	19.4	20.9	19.9	15.3	12.0	11.1	11.9	15.8	22.8	27.7	30.3	30.8	28.5	25.9	22.9	22.0	21.0
6	Q	20.9	19.3	18.1	20.0	20.1	20.2	19.5	19.4	19.4	19.1	19.1	15.8	14.0	12.5	14.3	18.2	23.7	28.7	31.0	31.2	30.0	27.3	24.0	21.1	21.1
7	D	20.1	20.8	21.2	21.0	20.7	20.6	20.0	19.6	19.0	18.5	17.6	14.6	11.1	11.2	13.6	18.9	24.6	27.9	26.0	28.4	31.8	29.2	27.8	14.3	20.8
8	D	26.3	00.0	17.5	19.2	13.1	08.2	20.7	28.2	37.5	21.8	13.0	30.7	49.9	30.1	14.3	25.0	34.6	33.2	26.1	22.1	21.0	20.3	21.2	22.3	23.1
9		23.5	22.5	22.8	23.8	23.1	22.3	23.1	20.8	21.1	20.3	19.1	17.6	17.2	16.7	18.1	23.1	27.2	30.7	31.8	29.8	27.6	25.5	23.6	23.6	23.1
10	D	26.1	23.2	22.7	16.0	16.1	18.1	22.4	18.1	20.5	23.1	17.0	15.5	19.5	19.8	18.5	23.4	25.5	30.0	33.4	30.9	26.3	20.7	23.5	23.7	22.2
11	D	26.4	21.8	17.6	19.5	22.1	22.8	20.7	20.0	18.0	17.2	17.5	15.5	10.2	12.6	13.4	22.7	32.5	39.1	37.1	34.8	32.8	29.1	25.4	24.3	23.1
12	D	24.0	23.1	22.6	21.9	21.2	20.4	18.0	20.0	16.0	17.6	17.3	13.7	18.9	23.2	18.9	21.8	26.3	31.8	30.0	26.3	24.1	22.7	21.8	20.8	21.8
13		21.8	20.1	18.2	20.1	20.9	18.0	23.9	20.2	19.5	27.7	25.3	16.3	11.6	14.0	16.8	19.5	24.5	28.0	27.1	25.9	25.1	23.1	20.3	21.6	21.2
14		18.9	16.4	16.7	16.2	23.9	21.2	26.4	22.1	18.0	20.3	21.8	17.8	13.6	12.5	15.0	20.1	24.6	27.5	28.2	26.8	25.8	24.3	24.0	22.8	21.1
15		13.6	14.7	17.2	19.3	19.4	21.0	25.6	21.0	20.1	19.1	18.1	16.5	15.6	14.9	16.4	20.1	24.0	27.7	29.2	28.2	27.7	24.6	23.6	23.4	20.9
16		22.6	22.1	22.1	20.7	20.4	20.1	20.3	19.4	17.7	17.1	20.7	15.8	09.1	07.3	14.1	17.8	28.2	30.4	30.8	29.8	28.2	25.4	21.6	21.6	21.0
17		22.1	20.3	20.3	18.3	19.7	18.0	15.2	13.7	23.1	17.4	13.4	14.6	14.8	17.4	17.2	18.2	23.9	27.6	29.5	30.2	28.6	25.5	23.6	16.3	20.4
18		20.0	19.8	19.3	18.4	20.9	21.8	21.3	20.9	20.8	20.3	19.5	17.2	15.0	13.3	15.2	19.5	25.4	28.6	30.9	31.9	29.5	27.4	25.0	22.8	21.9
19		23.4	22.7	21.8	21.0	20.9	21.0	21.0	21.0	23.7	20.1	16.3	15.4	14.8	13.7	17.2	21.0	25.4	28.0	29.1	29.8	29.2	27.3	23.7	20.6	22.0
20	Q	21.4	20.7	21.0	20.3	20.9	20.1	19.4	21.1	19.9	18.7	17.6	16.3	15.3	14.4	16.7	20.1	24.3	27.1	29.2	30.0	28.1	26.1	24.6	22.6	21.5
21	Q	21.3	21.6	21.2	21.3	22.7	20.6	18.7	19.8	19.3	18.9	17.8	15.9	14.3	15.0	16.6	20.3	25.3	28.2	29.4	29.0	27.1	25.2	24.5	22.6	21.5
22		22.1	21.3	21.4	20.9	20.8	20.3	19.8	18.9	18.7	18.2	16.4	14.0	12.4	13.1	17.2	22.0	27.3	30.0	29.9	28.4	25.9	23.6	21.6	20.7	21.1
23		20.4	20.6	20.9	20.6	19.8	18.6	19.3	20.9	22.3	19.0	16.7	13.2	10.0	10.8	16.4	21.0	25.2	27.7	30.0	26.4	23.9	21.2	20.1	20.3	20.2
24		21.6	21.4	20.0	20.4	19.4	18.4	17.3	18.2	18.5	22.2	19.4	14.6	11.2	11.7	14.0	19.8	24.2	27.2	26.8	25.3	23.6	22.7	21.0	20.4	20.0
25		18.6	18.9	18.6	18.5	19.5	18.5	19.3	18.9	18.3	18.0	15.8	13.7	11.2	11.3	14.1	20.1	24.9	28.7	29.9	27.3	24.1	22.3	20.9	19.2	19.6
26		20.9	20.0	18.8	16.4	17.0	18.5	17.5	18.2	18.7	18.5	18.1	13.2	11.9	13.1	15.4	22.1	25.9	28.0	29.8	28.0	26.7	24.5	23.3	22.7	20.3
27		20.6	16.8	19.4	15.8	17.6	20.1	21.1	20.3	17.3	16.9	17.1	16.5	12.7	11.7	17.5	23.8	27.7	30.9	31.3	29.1	25.3	22.1	20.2	20.1	20.5
28		21.3	22.5	22.1	21.7	19.2	16.5	18.4	18.0	18.1	18.0	15.8	13.4	11.9	14.5	19.4	25.2	29.9	31.9	34.8	33.2	28.6	24.1	21.6	19.2	21.6
29		20.1	19.9	20.7	20.2	20.9	21.0	20.9	20.7	20.7	19.5	16.7	15.2	13.0	14.0	16.1	19.8	21.3	24.2	26.3	25.2	26.3	26.1	24.0	20.9	20.6
30	Q	18.0	21.0	20.9	20.9	22.0	21.9	21.3	21.6	20.9	20.0	17.8	16.6	14.7	14.7	18.3	22.9	26.7	28.9	30.0	29.3	27.5	24.6	22.4	21.6	21.9
31																										
Mean		21.6	20.1	20.3	19.9	20.1	19.5	20.1	19.7	19.9	19.2	17.8	16.0	14.7	14.3	15.8	20.4	25.6	29.0	29.9	29.0	27.2	24.8	23.1	21.3	21.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 15 Agincourt $Z = 56,000\ \gamma +$ April 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	237	235	235	233	236	233	233	234	235	235	236	239	238	234	233	229	227	229	233	234	237	240	241	242	235
2	239	239	236	236	233	233	233	234	233	232	235	235	238	233	227	223	222	224	229	233	235	238	235	233	233
3	232	230	230	230	230	230	223	215	227	232	233	233	230	232	227	224	227	233	230	236	239	239	236	236	230
4	235	233	233	232	230	222	219	221	215	216	229	233	232	230	227	223	219	226	232	230	233	234	237	235	228
5 Q	233	230	229	229	227	227	232	230	230	228	217	220	219	221	218	216	222	230	236	235	236	235	235	236	228
6 Q	236	235	230	235	233	230	229	230	233	230	233	232	233	232	230	224	220	223	223	226	230	235	235	235	230
7 D	236	234	234	231	232	231	234	231	231	231	234	236	231	229	228	220	215	217	221	231	234	256	354	466	246
8 D	404	364	313	258	246	222	231	226	157	058	132	109	088	166	263	263	272	306	368	319	277	260	249	246	241
9	246	249	251	250	249	249	240	246	247	249	247	246	241	237	236	234	240	246	252	254	249	249	259	269	247
10 D	305	271	279	223	222	243	228	213	224	217	240	243	231	234	240	248	258	278	282	287	318	385	318	325	263
11 D	305	281	251	237	234	220	231	238	238	240	238	226	223	223	217	215	229	230	246	260	257	253	247	243	241
12 D	240	240	238	236	237	237	224	196	165	169	161	191	187	169	189	207	217	229	233	246	252	248	246	248	217
13	253	260	287	265	206	240	223	205	219	202	198	208	223	223	232	238	237	235	249	266	279	277	276	264	240
14	255	237	237	216	181	210	193	215	213	228	227	237	234	230	228	230	231	236	243	252	253	253	246	250	231
15	252	238	240	240	228	225	187	208	226	225	231	231	234	236	236	234	235	237	237	246	246	247	244	243	234
16	241	240	238	228	223	231	233	226	227	233	221	206	211	211	219	213	225	225	238	246	251	252	248	251	231
17	252	234	246	247	243	234	230	231	201	204	211	222	228	228	228	225	231	237	241	248	258	261	261	267	236
18	251	246	231	243	240	240	236	234	236	236	237	240	240	237	234	234	234	237	243	248	259	260	254	253	242
19	248	246	244	241	240	240	237	231	225	220	231	234	234	234	234	231	234	240	243	248	256	252	250	246	239
20 Q	240	237	237	237	237	234	236	232	236	236	236	237	236	235	231	234	232	231	237	241	241	240	240	241	236
21 Q	240	240	240	240	233	222	233	234	235	235	235	236	233	231	229	230	227	225	229	234	241	243	240	235	234
22	231	232	233	230	230	229	228	229	228	228	230	231	228	221	212	211	215	221	230	237	239	235	234	234	228
23	231	231	231	230	229	228	229	229	224	224	226	226	228	225	219	214	210	211	223	232	238	238	237	235	227
24	232	232	229	229	229	219	218	226	226	223	217	224	225	224	223	217	211	208	219	226	228	231	235	236	225
25	238	235	235	226	218	215	225	229	229	229	230	232	229	229	225	226	229	232	237	239	238	237	235	238	231
26	235	235	221	221	231	226	225	229	229	231	229	227	226	224	223	221	221	221	223	226	229	235	231	231	227
27	234	235	235	203	212	230	208	199	225	229	226	219	214	217	224	229	235	241	247	247	247	246	247	241	229
28	237	231	229	229	229	221	223	217	226	233	237	232	232	231	227	221	223	229	235	246	251	253	248	244	233
29	237	235	232	231	229	229	229	230	230	231	232	232	230	226	218	207	206	232	258	288	266	245	235	235	234
30 Q	235	235	232	232	231	229	229	229	232	235	235	231	225	229	231	229	238	244	245	247	242	238	237	234	234
31																									
Mean	250	244	241	234	229	230	226	225	223	221	224	225	223	224	227	225	228	234	242	247	248	250	250	253	234

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt — April 1949

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	44	399	16	48	320	79	19	18	31.4	14	35	9.4	22.0	22	16	247	20	08	224	23
2	00	01	391	15	40	329	62	18	43	33.8	14	00	12.2	21.6	12	20	239	16	58	222	17
3	01	57	388	15	28	301	87	17	21	29.2	13	06	12.5	16.7	22	35	239	07	24	209	30
4	20	47	381	15	42	334	47	19	30	29.5	13	20	10.9	18.6	22	15	239	08	47	209	30
5 Q	22	28	386	16	43	308	78	19	17	31.4	13	02	9.0	22.4	22	40	239	10	28	213	26
6 Q	22	45	388	16	10	315	73	18	50	31.6	13	46	12.2	19.4	00	20	239	16	22	219	20
7 D	23	55	738	15	48	337	401	23	12	42.2	23	53	2.1	40.1	23	27	523	19	25	211	312
8 D	00	21	888	10	10	-173	1061	12	28	57.1	01	37	-21.5	78.6	01	03	458	09	50	-25	483
9	22	42	397	15	43	293	104	18	28	31.9	13	40	15.2	16.7	23	54	277	06	38	234	43
10 D	21	30	499	16	28	268	231	00	15	35.7	01	23	5.2	30.5	21	30	423	06	45	195	228
11 D	19	40	404	14	32	257	147	17	28	40.8	14	52	5.1	35.7	00	10	312	14	26	201	111
12 D	18	36	410	15	28	272	138	17	24	36.8	11	38	11.6	25.2	20	44	258	10	11	116	142
13	21	22	397	04	09	240	157	04	12	38.6	12	32	9.0	29.6	02	55	308	04	08	54	254
14	21	32	422	15	25	306	116	04	43	33.6	04	05	3.4	30.2	00	01	264	04	12	158	106
15	21	40	391	15	46	301	90	06	48	31.2	01	22	9.5	21.7	00	24	258	06	49	176	82
16	20	52	394	15	52	277	117	18	10	31.8	13	30	6.7	25.1	21	26	254	11	08	204	50
17	01	05	404	15	58	309	95	19	40	30.7	10	47	12.1	18.6	23	24	275	08	38	179	96
18	20	56	395	15	25	311	84	19	28	32.7	02	13	8.8	23.9	20	57	263	02	17	217	46
19	22	25	385	16	35	330	55	19	25	30.7	13	33	13.4	17.3	20	27	258	09	00	216	42
20 Q	23	42	387	15	31	320	67	19	13	30.3	13	57	14.1	16.2	20	36	246	07	25	230	16
21 Q	21	00	397	15	00	333	64	18	17	29.8	12	40	13.7	16.1	20	56	246	05	21	217	29
22	07	10	387	15	12	336	51	17	33	30.6	12	55	11.9	18.7	20	00	240	15	00	206	34
23	05	35	385	14	20	317	68	18	21	31.4	12	25	9.1	22.3	20	14	241	17	09	206	35
24	01	58	397	15	58	334	63	17	40	27.6	12	50	10.4	17.2	22	50	241	16	50	203	38
25	20	40	401	15	30	319	82	17	53	30.1	13	00	10.0	20.1	00	58	241	04	28	209	32
26	21	35	404	15	53	338	66	18	02	30.0	13	13	11.4	18.6	21	40	238	03	00	206	32
27	00	40	405	03	25	334	71	18	05	32.5	03	41	8.1	24.4	18	06	247	07	15	176	71
28	12	20	422	18	10	285	137	18	12	35.7	12	23	11.2	24.5	21	06	254	07	20	213	41
29	19	26	396	17	00	311	85	18	50	28.7	12	41	12.5	16.2	19	25	295	15	50	197	98
30 Q	23	20	382	15	18	329	53	18	57	30.2	12	38	13.4	16.8	19	00	247	12	35	224	23
31																					
Mean			427			293	134			33.3			9.1	24.2			277			191	86
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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	374	374	370	374	372	372	371	372	370	369	367	365	359	346	336	335	343	359	376	391	396	390	382	390	369
2	373	356	350	358	365	367	367	369	369	370	374	372	359	340	328	319	345	374	375	394	389	385	385	385	365
3	373	358	349	349	360	366	374	375	379	380	372	372	364	349	333	327	334	344	370	391	404	425	471	529	377
4 D	391	346	358	331	318	308	287	341	346	341	325	326	318	323	292	297	314	339	352	355	366	365	363	366	336
5	363	362	364	365	367	369	370	366	365	357	345	337	329	329	318	325	334	348	374	380	420	422	399	381	362
6	375	362	345	339	356	349	362	359	355	355	349	344	346	339	322	324	337	349	362	380	384	370	374	379	355
7	370	374	373	369	358	358	364	367	366	364	360	356	354	343	343	329	328	346	372	385	387	405	400	380	365
8	369	369	375	369	355	353	357	363	364	367	365	351	339	337	329	334	343	356	368	378	396	403	388	386	363
9	386	391	371	370	372	371	359	354	355	373	368	363	355	353	342	338	342	359	374	383	401	373	379	380	367
10	384	379	380	379	375	375	374	377	374	374	374	370	361	339	310	338	345	365	376	381	416	400	389	371	371
11	374	375	380	362	375	381	378	383	379	370	357	359	355	341	324	320	328	333	356	375	387	392	384	374	364
12 D	329	332	323	329	328	330	406	367	052	-146	212	186	063	-159	-359	-128	302	382	405	426	406	339	336	392	227
13 D	365	153	253	-014	-004	289	282	292	307	307	307	304	274	239	256	261	283	298	315	319	333	345	350	344	269
14	353	349	343	341	333	332	329	319	304	311	309	285	316	328	328	318	315	340	345	360	385	380	378	374	336
15	364	371	368	358	351	352	353	353	354	353	353	343	337	343	338	334	343	352	355	364	369	370	365	364	354
16	366	357	358	358	371	356	341	325	324	333	328	328	320	302	302	303	323	334	349	354	377	369	390	405	345
17	382	357	356	356	370	372	364	364	365	358	356	352	345	338	333	334	350	360	374	378	372	372	369	369	360
18 Q	367	367	366	369	365	369	367	370	367	365	365	359	341	331	322	323	334	349	374	385	391	385	379	370	362
19	374	375	374	375	375	379	377	377	379	374	374	372	368	364	359	360	367	380	391	396	405	389	380	380	377
20 Q	377	373	372	375	372	375	377	374	372	374	370	370	364	358	359	360	375	384	400	400	395	394	380	369	376
21	372	374	376	374	375	379	374	370	375	381	384	369	354	343	358	360	356	376	387	396	407	395	390	387	375
22	390	385	385	371	380	374	370	382	380	384	384	384	377	369	360	368	382	395	406	412	412	401	387	384	384
23	377	375	380	380	380	380	378	375	372	378	372	376	372	356	352	346	349	364	367	386	394	389	401	400	375
24	375	372	374	378	365	367	365	369	369	374	373	370	365	353	338	333	344	353	369	385	391	389	383	376	368
25	375	379	378	379	378	378	380	381	380	380	370	374	354	333	326	338	369	387	396	405	402	392	382	379	375
26	378	378	377	379	377	380	384	377	376	373	371	371	369	358	339	333	336	361	374	384	390	387	379	380	371
27	380	381	377	375	374	374	376	379	382	377	374	376	374	349	346	330	335	354	369	382	392	394	394	385	372
28 Q	384	387	372	374	372	373	377	379	382	375	370	369	360	353	349	338	337	351	375	395	404	401	387	379	373
29 Q	375	377	382	380	382	380	382	379	377	375	376	377	372	366	362	359	356	358	368	386	391	387	389	388	376
30 D	387	385	385	385	384	379	380	380	378	379	380	379	372	364	374	382	377	375	417	457	507	577	557	501	410
31 D	449	516	392	358	305	319	312	329	336	323	305	289	289	303	295	308	324	335	348	352	353	396	405	384	347
Mean	376	367	365	353	352	362	363	364	353	347	354	350	339	323	310	318	340	357	372	384	394	393	390	388	359

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt — D = 7° W + ... ' — May 1949

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	21.6	21.8	21.9	21.9	21.0	21.0	20.9	20.2	19.7	18.6	17.4	16.3	15.1	15.9	19.2	22.0	24.6	28.0	29.7	29.1	27.0	25.0	23.7	22.0	21.8
2		23.3	19.6	19.2	20.6	20.8	21.3	21.3	20.6	19.8	19.1	17.9	16.2	15.5	16.3	19.4	26.9	30.1	29.2	27.4	25.2	23.3	23.5	22.5	19.3	21.6
3		17.9	17.3	13.6	15.1	17.5	19.3	20.2	21.0	21.0	20.2	19.8	17.4	13.9	13.1	15.2	21.9	27.1	30.6	28.1	28.1	28.4	24.5	26.1	19.4	20.7
4	D	16.7	21.5	17.5	01.2	17.3	24.3	24.7	22.7	19.0	17.4	14.9	15.5	17.2	16.4	15.9	23.8	26.3	29.1	29.0	28.8	26.0	23.6	21.5	20.9	20.3
5		20.4	19.0	21.1	22.4	21.9	22.1	23.6	24.8	23.7	19.3	17.6	15.7	15.9	16.5	18.5	21.5	24.2	29.9	28.7	29.4	26.5	23.9	18.2	23.4	22.0
6		20.2	15.4	13.1	14.5	16.4	14.6	15.8	19.2	19.1	20.0	19.3	17.3	13.9	14.6	16.2	21.8	23.9	25.3	27.4	27.4	25.8	24.9	22.8	19.4	19.5
7		20.9	21.7	19.3	14.6	14.6	16.6	19.1	20.0	19.3	19.7	17.1	13.7	11.9	12.8	15.4	17.1	21.2	25.8	27.2	28.1	26.7	24.4	22.7	19.1	19.5
8		19.3	22.6	22.0	20.3	18.1	17.2	20.2	18.4	19.7	19.1	17.2	14.9	14.6	16.3	17.9	22.9	28.5	29.1	28.8	26.8	23.9	22.0	20.1	20.6	20.9
9		21.1	21.0	22.0	21.5	20.6	22.5	18.2	24.6	21.1	16.0	10.9	07.6	05.4	09.3	15.1	24.2	27.6	29.3	29.3	27.2	23.7	21.5	20.7	20.0	20.0
10		20.9	20.9	22.4	22.0	21.5	21.0	22.5	19.3	19.0	18.1	15.3	13.5	13.0	13.9	16.9	24.7	27.5	29.9	29.1	28.1	26.4	23.0	20.2	19.3	21.2
11		18.4	16.4	18.4	15.2	16.6	17.9	16.9	21.0	22.0	25.4	14.8	06.9	03.7	06.5	12.4	19.3	27.0	31.9	32.9	30.9	26.6	22.0	20.9	20.0	19.3
12	D	20.5	19.3	19.1	19.1	18.7	20.6	21.0	38.8	40.2	26.4	08.1	09.3	11.8	37.5	16.0	02.7	44.7	26.4	23.7	23.0	19.7	21.9	20.9	14.0	20.0
13	D	00.3	07.6	04.7	13.9	41.1	16.9	26.0	24.1	22.8	24.0	21.9	19.3	17.6	16.9	21.5	27.3	28.1	30.4	32.1	32.6	30.0	27.9	24.9	22.7	22.2
14		19.7	20.1	20.5	23.2	21.0	25.3	24.3	26.3	24.8	20.6	16.7	23.4	20.2	17.5	19.7	20.1	26.6	27.1	30.3	28.5	25.9	22.6	23.2	23.6	23.0
15		23.1	21.5	18.0	20.2	21.2	21.9	22.0	22.8	20.1	19.0	17.4	15.6	14.8	15.9	17.9	21.0	23.0	25.7	26.5	26.4	26.1	25.7	24.8	24.7	21.5
16		23.8	23.3	23.1	22.8	21.3	15.5	23.0	23.4	14.5	20.0	20.7	12.7	13.4	17.9	23.6	26.5	29.1	28.6	28.4	29.0	25.7	24.4	22.7	21.0	21.9
17		17.3	21.7	22.8	22.6	21.5	19.0	21.1	19.0	18.0	17.6	15.5	14.0	13.9	15.9	17.5	19.1	21.6	23.3	24.9	26.6	26.2	25.1	24.3	23.1	20.5
18	Q	22.3	22.2	22.4	22.0	21.5	21.1	20.9	20.3	20.0	18.8	16.1	14.2	13.7	14.8	17.3	20.6	24.6	26.6	26.1	26.0	25.1	25.1	25.5	24.8	21.3
19		24.0	23.0	20.4	20.4	21.0	21.1	19.8	19.1	18.4	17.3	16.1	15.8	15.7	16.6	19.2	21.0	24.0	27.6	27.2	25.4	24.0	23.5	22.7	22.4	21.0
20	Q	22.2	21.0	21.5	21.1	20.6	20.1	20.5	20.0	19.3	18.2	16.4	14.2	14.7	16.0	19.9	24.5	26.6	26.5	25.4	24.8	24.1	20.9	19.7	21.0	20.8
21		21.8	22.4	21.7	21.1	20.6	20.0	19.1	18.7	18.7	15.6	13.7	12.0	12.8	17.3	21.8	23.7	25.7	27.2	26.7	26.0	24.9	24.3	23.0	22.4	20.9
22		22.5	22.3	21.1	21.8	19.0	17.4	19.3	20.6	19.1	18.0	15.9	15.1	16.0	16.4	17.4	21.2	25.0	26.6	29.1	26.4	23.6	22.0	21.0	19.3	20.7
23		19.1	20.0	19.8	17.0	20.0	19.3	20.0	21.0	22.7	22.0	16.9	12.8	12.0	13.3	16.6	20.5	25.6	28.0	29.3	27.1	23.6	21.5	17.1	14.8	20.0
24		26.6	29.1	30.9	30.2	27.3	28.1	25.7	27.9	28.9	26.3	24.0	23.5	21.7	23.6	25.3	20.0	25.8	29.4	28.7	26.7	24.4	21.5	20.4	19.7	25.7
25		21.1	21.1	20.8	21.0	20.9	20.9	20.6	20.0	19.3	21.5	14.6	11.9	09.9	15.5	20.3	28.2	29.2	28.8	29.0	27.3	25.5	23.6	20.6	19.7	21.3
26		20.0	20.0	20.0	19.7	21.0	20.8	20.7	20.3	20.2	19.1	17.0	15.5	15.1	14.3	15.5	22.4	29.7	32.8	33.0	31.6	28.1	24.2	22.6	21.1	21.9
27		21.0	21.0	21.6	21.5	20.7	20.5	20.8	20.3	20.2	20.4	18.6	14.7	12.0	10.6	15.3	16.9	23.2	26.0	26.4	27.3	26.0	22.0	20.0	19.1	20.2
28	Q	18.8	18.4	15.9	20.0	18.3	20.2	20.9	19.1	21.7	20.0	15.7	12.8	11.9	12.7	15.4	20.1	23.7	28.1	28.4	27.4	25.5	23.3	22.2	21.2	20.1
29	Q	21.0	21.1	21.1	21.9	21.0	20.0	20.1	19.9	19.7	17.5	13.6	11.7	10.7	11.9	13.7	18.8	22.4	24.8	24.7	23.4	23.5	22.9	22.0	21.2	19.5
30	D	21.2	21.1	21.0	20.9	20.4	18.4	19.6	20.0	19.4	17.3	14.5	11.9	09.1	06.9	11.5	17.6	24.5	24.8	24.0	27.5	26.5	17.2	03.3	12.1	18.0
31	D	14.2	10.6	15.1	16.9	07.8	19.0	19.7	19.8	18.1	16.5	12.4	15.7	13.8	11.7	12.7	21.2	22.7	24.0	24.9	25.6	27.5	21.8	19.7	21.5	18.0
Mean		20.0	20.1	19.8	19.5	20.3	20.1	21.0	21.4	21.0	19.7	16.4	13.9	12.9	15.3	17.4	21.3	26.2	27.8	28.0	27.3	25.5	23.2	21.3	20.4	20.8

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 19 Agincourt $Z = 56,000\ \gamma +$ May 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	232	231	232	230	231	229	229	229	229	229	229	228	226	224	223	223	229	237	238	247	254	258	257	258	235
2	259	259	252	247	238	235	236	236	235	237	239	238	235	231	232	232	232	238	242	253	257	252	253	254	242
3	250	244	235	232	232	229	232	232	232	232	229	225	225	223	220	221	221	221	220	229	241	259	310	418	242
4 D	376	300	285	254	227	182	140	203	232	238	222	218	227	239	235	233	247	252	250	251	248	252	252	247	242
5	241	242	241	241	238	236	228	219	217	226	229	223	226	222	221	225	244	245	247	247	274	303	291	256	241
6	259	259	241	247	234	205	221	244	241	240	239	231	229	225	221	225	225	232	241	248	259	259	251	247	238
7	241	238	229	215	223	234	241	239	238	235	231	229	227	225	228	229	229	237	244	242	244	252	253	262	236
8	253	242	239	236	227	226	236	239	242	243	243	240	235	230	236	230	236	242	243	247	254	265	275	259	242
9	251	246	253	254	246	248	239	207	183	220	236	236	230	227	222	226	236	238	242	243	248	240	236	235	235
10	236	236	236	233	235	229	226	226	235	233	233	230	225	223	222	227	232	234	236	239	256	260	267	261	236
11	253	245	219	234	238	222	222	236	224	178	181	200	218	222	217	213	222	230	235	240	246	252	246	238	226
12 D	238	240	240	234	236	233	223	130	-093	-117	112	088	049	081	074	228	318	305	307	348	355	303	287	347	198
13 D	288	164	206	267	112	226	243	252	269	273	276	272	259	245	253	248	258	263	259	266	272	277	281	282	250
14	277	248	251	225	236	235	232	225	210	227	238	219	222	221	228	240	251	254	257	260	269	272	265	260	242
15	258	245	233	236	249	246	248	244	248	248	248	245	239	241	230	230	233	239	240	247	252	251	249	250	243
16	248	248	248	247	239	255	153	171	202	218	210	222	216	213	213	228	242	256	272	271	272	267	265	281	236
17	278	274	263	253	248	248	250	248	246	248	249	249	248	247	242	233	224	230	233	238	240	248	247	248	247
18 Q	245	242	243	243	241	242	242	242	242	245	242	242	239	236	228	222	228	228	236	246	253	252	249	246	240
19	244	242	242	237	240	239	240	239	239	240	240	242	242	241	240	233	233	240	243	248	254	248	246	245	242
20 Q	240	240	242	239	239	236	238	238	239	240	242	242	242	242	242	240	239	248	253	259	258	255	252	242	243
21	240	238	237	236	239	237	234	234	238	237	238	238	236	230	232	236	236	246	245	251	253	246	245	242	239
22	238	236	236	234	236	232	236	234	232	235	237	236	235	237	230	230	228	230	239	242	245	248	248	251	237
23	248	242	242	236	236	236	235	238	233	230	242	242	242	240	236	236	236	236	242	248	255	259	263	266	242
24	260	252	247	239	236	216	204	232	242	248	248	245	239	238	236	232	229	222	223	236	245	248	247	245	238
25	239	239	237	236	236	236	236	236	237	238	219	233	234	236	236	236	236	239	248	252	251	249	248	243	239
26	240	240	236	236	236	236	234	230	235	236	238	236	236	231	233	240	247	248	245	245	246	246	247	247	239
27	242	240	236	236	236	236	236	235	236	240	235	230	229	229	230	230	236	240	240	246	246	247	246	241	238
28 Q	239	241	240	232	235	234	235	235	235	225	233	235	232	228	222	219	228	233	228	235	240	240	240	237	233
29 Q	236	240	235	235	234	234	233	233	235	238	238	240	237	230	217	216	219	218	224	230	230	230	233	235	231
30 D	235	235	235	235	233	230	230	233	235	235	230	226	224	216	212	204	204	202	216	242	307	435	390	364	250
31 D	383	400	342	245	157	213	240	248	260	253	243	228	223	232	235	243	240	237	248	259	257	285	298	295	261
Mean	258	248	244	239	230	232	229	229	224	225	232	229	227	226	225	230	236	240	243	250	258	263	263	265	239

96260—51

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Agincourt — May 1949

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	50	400	15	23	331	69	18	35	30.3	13	35	14.4	15.9	20	50	259	15	21	221	38
2	19	57	407	15	22	307	100	17	00	32.8	12	56	14.6	18.2	01	00	265	16	33	229	36
3	23	32	609	15	50	323	286	17	50	31.2	23	25	9.9	21.3	23	30	474	14	50	220	254
4 D	00	01	488	06	17	238	250	06	53	30.8	03	00	-21.0	51.8	00	09	427	06	40	110	317
5	20	48	446	14	13	308	138	19	13	31.4	01	10	12.6	18.8	22	03	336	08	02	211	125
6	00	09	393	14	55	313	80	14	50	30.1	00	08	6.9	23.2	01	00	281	05	00	188	93
7	21	41	406	16	05	322	84	19	30	28.5	12	40	11.5	17.0	23	40	267	03	18	206	61
8	20	42	413	15	55	325	88	17	25	29.4	12	37	13.0	16.4	05	23	284	05	05	220	64
9	20	39	431	15	30	318	113	17	50	30.1	12	10	4.4	25.7	02	55	259	08	30	163	96
10	20	46	434	14	50	293	141	17	43	31.1	13	01	12.1	19.0	22	37	272	14	33	217	55
11	02	28	405	14	45	314	91	18	33	33.3	12	00	2.7	30.6	00	01	252	09	43	166	86
12 D	20	15	524	14	30	-385	909	16	02	72.7	15	53	-66.0	138.7	16	02	531	08	55	-344	875
13 D	00	50	580	04	00	-256	836	03	54	70.2	12	48	-26.5	96.7	03	45	512	01	56	-165	677
14	21	46	396	11	39	268	128	18	42	30.6	00	55	3.6	27.0	00	12	283	18	28	201	82
15	01	36	387	12	42	329	58	19	44	26.6	02	52	12.7	13.9	01	19	260	02	54	220	40
16	23	35	425	14	52	286	139	06	11	29.9	11	34	11.0	18.9	23	46	290	06	12	141	149
17	00	10	391	05	35	326	65	19	24	27.1	12	37	13.4	13.7	00	47	279	18	33	223	56
18 Q	20	53	405	14	45	318	87	18	01	27.5	11	54	12.9	14.6	20	42	258	15	13	217	41
19	20	49	413	16	26	339	74	17	17	29.0	12	28	15.6	13.4	20	40	259	16	20	230	29
20 Q	18	47	405	13	33	351	54	16	41	28.2	11	51	13.6	14.6	20	10	259	16	15	236	23
21	20	43	410	13	23	333	77	18	00	28.5	12	02	10.1	18.4	20	24	253	13	19	227	26
22	20	18	426	14	28	355	71	18	24	30.8	11	42	14.2	16.6	23	37	252	17	08	227	25
23	23	00	410	16	25	339	71	18	31	31.1	12	22	10.9	20.2	23	37	266	09	18	224	42
24	00	01	398	15	43	328	70	17	12	31.1	12	32	11.7	19.4	00	01	263	06	12	190	73
25	19	57	462	14	13	323	139	15	41	29.9	12	27	9.1	20.8	19	57	253	10	15	212	41
26	21	12	395	15	52	329	66	16	58	34.4	14	12	13.0	21.4	17	20	248	07	12	229	19
27	22	10	403	15	45	322	81	19	45	28.5	13	30	8.6	19.9	22	14	248	11	45	226	22
28 Q	20	50	406	15	45	329	77	17	50	29.7	12	13	11.5	18.2	00	55	242	15	43	217	25
29 Q	20	43	392	16	00	356	36	17	55	25.5	12	48	9.7	15.8	11	25	240	14	59	213	27
30 D	21	34	925	17	09	329	596	23	04	41.8	22	32	-14.7	56.5	21	35	471	17	07	189	282
31 D	01	33	581	04	36	145	436	05	10	42.7	04	20	-17.6	60.3	01	18	443	04	56	33	410
Mean			451			273	178			33.3			4.4	28.9			306			171	135
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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	372	363	350	342	353	339	352	354	350	359	352	340	329	329	329	329	337	353	373	380	388	381	391	374	355
2	373	368	368	374	371	370	373	370	360	350	347	349	344	339	344	359	355	373	390	400	411	411	404	385	370
3	374	362	364	370	366	362	359	363	358	357	354	354	355	348	334	328	337	348	370	383	394	400	443	446	368
4 D	439	374	352	373	370	388	366	352	340	340	335	339	332	309	286	283	266	328	354	426	442	409	403	405	359
5 D	393	373	352	352	318	294	275	219	210	295	313	216	219	230	247	221	257	297	378	431	457	528	551	433	328
6 D	374	341	313	345	351	350	361	365	369	368	369	364	353	338	335	327	333	337	355	371	379	407	394	416	359
7	385	397	381	362	368	378	373	369	371	379	376	370	365	355	349	348	359	370	379	391	389	385	375	375	373
8 Q	375	373	376	374	375	379	381	374	365	366	374	376	368	357	350	342	352	360	369	379	389	393	386	385	372
9	384	381	368	366	373	373	376	376	378	375	379	380	381	371	357	350	355	364	374	384	399	395	388	399	376
10 Q	398	397	393	388	381	380	381	381	383	384	386	385	377	359	338	328	333	349	376	384	389	390	388	385	376
11 Q	384	388	389	388	385	383	381	380	379	381	383	386	386	368	355	343	343	350	370	381	390	397	399	395	379
12 D	381	383	363	357	348	345	321	348	354	344	349	342	319	315	313	301	317	339	400	463	474	523	543	559	379
13 D	536	383	350	345	345	342	338	340	332	319	317	328	327	333	331	333	338	341	355	383	399	399	395	383	358
14	373	369	366	363	354	354	354	353	354	358	359	358	361	366	350	340	349	364	377	385	391	409	410	400	368
15	378	381	385	380	390	384	373	373	369	357	363	355	352	352	351	357	365	365	385	390	400	393	390	389	374
16	381	385	385	384	384	389	381	383	381	379	379	376	365	355	349	349	366	375	388	400	407	399	389	391	380
17	385	393	389	386	386	385	383	381	381	384	377	368	359	357	353	354	373	388	409	416	420	450	404	416	387
18	406	379	378	386	379	374	377	384	372	359	369	374	369	364	358	357	356	374	389	381	384	381	389	385	376
19	376	376	379	376	374	372	379	381	381	383	373	368	366	358	347	353	355	364	379	393	404	404	393	385	376
20	380	383	383	381	383	384	384	378	378	381	378	371	366	355	352	352	364	389	405	426	417	407	383	374	382
21 Q	373	378	374	378	383	386	383	381	378	373	371	374	371	369	374	371	373	384	394	397	404	398	388	391	381
22	386	392	394	396	390	390	394	388	391	380	364	373	379	353	329	329	355	387	409	411	400	394	380	381	381
23 Q	381	383	380	380	382	376	376	376	378	376	370	370	364	354	348	365	378	387	400	409	406	399	392	384	380
24	378	379	381	382	382	382	384	384	384	384	384	376	365	363	358	361	369	382	399	396	414	420	398	389	383
25	397	394	380	374	382	385	385	357	345	366	348	358	349	346	349	336	352	383	398	407	396	403	394	384	374
26	380	389	388	387	383	374	374	373	373	374	376	374	362	348	354	378	384	387	394	403	408	416	435	392	384
27	375	394	379	379	383	384	385	377	374	377	374	371	362	347	334	328	334	350	379	420	433	417	419	406	379
28	338	332	334	330	379	382	384	384	382	369	363	362	358	346	316	302	332	356	382	402	411	420	428	396	366
29	379	391	379	368	364	369	373	373	366	363	364	376	362	348	346	325	315	344	353	385	399	413	379	392	368
30	381	379	385	384	380	382	379	384	379	375	371	363	348	350	348	340	346	368	389	409	426	434	400	376	378
31																									
Mean	387	379	372	372	372	371	370	367	364	366	364	360	354	346	340	337	345	362	383	400	408	413	408	399	372

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt D = 7° W + ... ' June 1949

Day \ Hour U.T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	13.1	08.3	13.1	22.1	24.2	20.8	19.8	23.0	21.1	17.8	17.6	17.6	16.7	18.6	20.1	23.8	27.1	29.0	28.5	26.5	24.9	22.6	19.0	20.6
2		20.3	21.0	21.7	20.4	20.6	20.5	19.9	21.5	25.7	14.9	14.5	12.3	12.4	15.3	20.3	23.2	24.8	25.5	25.3	25.6	24.4	23.1	21.7	21.5	20.7
3		20.0	18.1	20.6	22.1	20.3	19.3	18.8	20.2	20.0	22.8	18.6	12.2	10.6	12.1	14.8	19.0	22.1	24.0	25.3	27.0	26.7	23.8	21.4	20.6	20.0
4	D	15.1	09.7	16.9	20.8	21.0	19.5	14.2	14.0	16.5	19.5	20.0	16.5	15.1	19.0	22.6	27.3	30.9	34.5	42.4	33.1	28.8	24.1	17.3	14.8	21.4
5	D	16.2	16.9	14.5	15.4	34.0	18.8	13.3	27.3	15.6	01.8	13.3	31.2	33.6	38.1	31.1	40.9	39.2	31.5	23.8	16.9	14.5	11.5	07.6	11.5	21.0
6	D	12.0	14.4	11.0	12.4	19.4	24.9	24.6	22.7	22.8	20.2	17.2	14.5	13.4	13.3	15.3	19.3	22.0	27.1	28.0	27.4	26.2	21.1	26.5	23.6	20.0
7		20.8	19.0	18.4	12.0	16.0	18.4	21.8	23.7	20.0	15.9	13.9	12.1	11.8	14.5	17.4	21.3	24.5	28.2	30.0	28.2	26.2	24.0	22.4	21.8	20.1
8	Q	21.0	20.2	20.6	22.0	21.6	23.8	23.7	22.4	21.5	15.7	12.8	10.6	11.9	15.7	20.1	26.3	29.0	30.2	30.2	26.3	23.7	21.4	19.7	18.4	21.2
9		19.1	15.8	17.5	21.0	21.6	22.4	21.6	21.0	19.1	14.6	11.5	09.1	08.8	11.3	14.7	21.6	25.4	27.3	27.9	27.0	27.1	25.1	22.4	21.5	19.8
10	Q	21.7	21.5	21.1	21.9	20.0	19.6	20.6	20.3	19.3	17.3	14.8	11.5	10.6	11.9	15.1	21.0	25.1	28.8	30.6	30.6	27.3	23.9	22.1	20.9	20.8
11	Q	20.1	20.7	20.6	20.6	20.7	20.4	19.7	18.9	18.0	16.6	14.5	11.9	09.7	10.1	14.5	16.7	21.7	28.5	29.9	29.0	26.2	23.5	20.9	18.8	19.7
12	D	17.3	15.4	15.7	14.8	14.9	14.0	30.1	18.1	14.6	14.5	09.7	10.0	10.6	15.7	24.3	19.9	24.0	22.7	18.5	18.8	20.0	16.8	12.1	16.6	17.0
13	D	12.4	28.8	23.5	22.8	23.4	23.1	21.8	22.0	24.0	24.8	17.7	18.2	16.9	16.9	18.2	21.5	23.9	27.5	26.6	26.0	25.1	23.9	20.1	20.6	22.0
14		20.9	21.9	22.5	23.0	22.4	22.0	21.5	21.6	21.0	19.3	16.4	13.9	12.8	11.9	13.6	17.3	20.9	24.5	26.1	27.1	26.3	24.0	22.3	21.0	20.6
15		21.0	21.5	20.2	19.7	15.8	21.0	18.8	19.2	19.7	23.0	18.3	13.3	11.7	10.3	09.9	14.6	18.6	24.0	28.2	27.4	25.8	25.7	24.1	22.4	19.8
16		20.6	20.2	20.7	20.7	20.1	20.0	19.5	19.4	17.9	16.7	14.7	12.6	11.2	12.4	15.4	20.9	23.7	26.6	26.2	25.3	26.2	26.0	24.7	21.5	20.1
17		21.0	21.5	21.6	21.9	20.6	19.9	19.7	19.3	18.0	14.9	12.4	10.9	12.2	12.6	15.1	19.7	24.6	28.9	31.1	30.6	27.6	22.8	24.8	25.0	20.7
18		17.9	23.7	22.4	17.4	21.0	21.0	18.7	19.7	20.3	19.6	11.1	10.9	15.4	14.9	16.9	22.6	23.6	24.4	21.0	23.0	21.0	21.0	18.8	17.4	19.3
19		16.9	18.0	18.0	17.2	10.6	20.0	20.9	21.6	21.9	18.8	17.6	14.9	09.9	09.8	13.3	18.3	23.1	25.5	26.5	25.8	24.5	22.0	20.4	19.8	19.0
20		20.4	21.0	20.7	21.3	20.0	20.1	22.0	24.3	26.7	19.7	16.6	14.3	12.9	14.0	19.7	22.8	27.1	30.6	27.7	24.6	22.6	20.8	19.2	18.0	21.1
21	Q	18.8	19.1	19.1	19.7	20.7	21.0	21.2	22.6	22.7	18.4	16.8	11.0	08.9	09.9	12.9	16.2	20.8	15.4	18.0	18.4	16.6	23.3	21.0	20.0	18.0
22		20.0	20.7	21.0	20.6	20.8	19.1	19.1	18.4	19.4	26.3	24.3	15.3	11.5	12.9	16.6	22.4	27.9	35.4	28.8	20.9	20.2	19.3	19.9	19.7	20.9
23	Q	19.0	18.6	17.8	18.5	19.9	20.2	20.7	19.9	20.4	19.9	16.9	13.5	12.6	14.3	17.0	21.4	24.4	26.8	26.1	22.9	20.7	20.5	19.9	20.1	19.7
24		20.8	20.7	21.1	20.8	19.8	19.9	20.2	19.2	18.9	16.6	17.0	14.4	14.1	13.4	15.3	18.9	21.9	24.1	25.2	27.2	25.5	22.1	23.1	22.6	20.1
25		18.9	11.6	16.2	17.8	20.6	20.3	22.3	17.9	14.7	15.7	18.1	12.3	09.1	10.8	14.9	19.9	25.3	27.8	28.7	25.1	24.0	23.4	22.6	22.0	19.2
26		21.3	21.5	21.4	20.1	20.7	19.0	19.2	18.4	18.9	19.4	14.8	11.2	08.9	11.0	14.2	20.0	24.3	28.9	30.3	28.1	26.2	25.3	21.6	20.7	20.2
27		20.8	19.9	15.9	18.7	20.3	23.8	21.9	19.1	18.5	16.5	14.0	12.6	10.6	09.2	13.2	18.1	23.9	30.8	34.3	33.5	29.9	26.9	21.7	18.4	20.5
28		19.1	19.7	20.9	21.6	20.8	20.2	20.8	22.5	25.8	21.6	11.7	07.5	04.3	05.5	09.0	18.1	25.2	27.7	29.0	28.9	27.0	25.0	20.5	18.9	19.7
29		20.1	18.1	16.1	18.9	18.9	18.9	20.7	20.8	20.7	20.7	12.0	08.0	05.9	07.3	11.4	14.2	19.9	23.4	26.4	28.7	25.7	21.7	21.9	20.7	18.4
30		20.4	19.9	16.1	21.0	19.2	20.2	22.5	22.9	19.9	18.0	17.3	15.9	15.3	14.2	14.0	18.1	24.3	27.5	29.3	29.3	25.3	20.8	19.9	20.9	20.5
31																										
Mean		19.1	19.1	18.8	19.3	20.3	20.6	20.7	20.7	20.2	18.1	15.6	13.4	12.4	13.5	16.3	20.8	24.6	27.2	27.7	26.4	24.6	22.6	20.3	20.0	20.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 23 Agincourt — Z = 56,000 γ + — June 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	289	251	254	239	233	213	206	207	210	227	236	230	224	229	230	230	236	242	245	245	245	243	255	260	237
2	256	251	248	242	239	242	242	227	161	194	203	216	227	236	236	236	240	240	243	250	260	261	266	268	237
3	265	255	245	242	243	242	240	238	235	229	232	232	232	229	228	225	224	220	230	236	244	249	261	289	240
4 D	245	277	284	262	248	236	196	100	212	239	233	225	226	222	216	223	236	259	279	316	344	368	348	316	255
5 D	298	292	282	278	160	144	171	121	145	108	078	086	135	136	150	169	216	278	351	410	431	470	430	361	238
6 D	336	314	245	220	251	238	239	250	249	252	254	253	251	243	242	245	246	248	257	259	259	289	278	297	259
7	304	274	256	261	260	248	233	212	222	233	239	236	238	236	233	230	233	236	242	248	250	253	251	252	245
8 Q	248	243	243	242	242	230	224	224	227	236	242	242	242	243	242	247	248	251	248	250	251	251	246	248	242
9	246	245	242	242	242	242	241	230	217	232	237	236	232	227	236	238	237	230	230	243	249	245	247	245	238
10 Q	238	236	236	236	234	233	233	235	237	242	242	239	237	238	238	234	230	228	227	232	233	238	239	237	236
11 Q	235	235	231	232	232	232	233	233	235	236	236	234	236	236	227	217	213	219	221	227	236	248	254	261	233
12 D	264	262	248	238	238	236	164	183	214	224	214	226	218	210	212	227	252	304	325	331	354	396	404	423	265
13 D	361	345	295	266	265	251	253	246	233	206	222	236	240	245	248	251	255	256	251	253	261	262	266	260	259
14	252	248	245	243	247	248	248	248	243	242	245	242	236	234	233	230	231	230	238	243	248	251	255	255	243
15	248	242	243	236	194	186	219	233	236	224	227	230	230	226	229	227	230	230	230	225	233	235	236	240	229
16	239	237	236	234	236	232	232	233	233	236	236	236	238	238	236	224	213	200	200	213	227	229	229	236	229
17	235	232	231	230	230	230	230	230	230	232	229	227	224	219	219	217	217	218	225	233	239	253	252	268	232
18	260	255	245	236	212	216	227	235	217	194	218	225	224	223	224	223	227	236	236	242	249	253	252	254	233
19	253	248	243	236	216	220	230	230	231	235	232	220	220	230	230	236	239	233	234	241	245	242	239	240	235
20	238	233	232	230	230	229	219	225	219	230	234	232	230	229	230	225	222	223	230	245	252	253	249	242	233
21 Q	239	235	235	233	232	227	227	230	230	233	233	230	227	223	212	203	202	207	217	222	227	227	224	223	225
22	225	228	227	225	225	225	223	224	227	217	193	196	206	217	222	230	239	245	229	226	232	236	236	235	225
23 Q	233	236	231	227	226	225	224	226	227	226	225	221	221	219	215	218	226	232	235	230	233	236	232	229	227
24	230	230	230	227	227	227	227	229	228	230	230	221	214	218	219	220	227	227	226	230	223	227	231	233	226
25	234	227	218	230	230	224	159	157	193	221	206	194	204	210	215	218	220	226	227	229	225	230	230	233	215
26	230	230	230	227	230	226	230	230	228	226	230	227	227	227	227	235	232	225	218	225	236	236	245	248	230
27	243	239	232	227	222	202	200	224	227	230	230	230	225	220	219	218	221	226	222	224	227	232	236	240	226
28	236	233	230	230	229	227	227	225	215	206	220	226	225	214	215	216	216	212	216	226	233	236	249	253	226
29	239	236	239	225	219	230	230	230	227	225	236	239	239	233	228	216	223	237	254	255	265	272	261	254	238
30	245	236	227	227	222	222	224	216	226	229	230	226	219	216	221	227	232	236	242	243	248	257	248	240	232
31																									
Mean	255	250	243	238	230	226	222	217	221	223	224	224	225	224	225	225	229	235	241	249	255	263	262	261	236

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt — June 1949

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		22	35	416	15	28	326	90	19	15	29.4	01	00	2.6	26.8	00	20	314	06	07	195	119
2		22	37	416	13	50	335	81	08	05	35.6	11	50	10.8	24.8	22	40	273	08	30	148	125
3		23	59	479	16	00	327	152	19	52	27.9	23	57	-4.0	31.9	23	50	343	17	17	219	124
4	D	21	20	500	16	10	225	275	18	42	47.3	01	14	-1.9	49.2	21	43	381	07	28	56	325
5	D	22	32	592	07	50	102	490	04	45	75.6	22	33	-17.6	93.2	21	48	503	04	46	45	458
6	D	21	20	574	03	02	290	284	05	54	30.9	03	12	-2.0	32.9	00	01	350	03	22	177	173
7		00	03	412	15	12	340	72	18	33	31.5	03	25	5.4	26.1	00	25	314	08	08	200	114
8	Q	20	04	397	15	08	337	60	18	15	31.1	11	30	10.1	21.0	20	05	253	08	47	222	31
9		20	21	402	15	07	347	55	18	40	28.9	12	08	7.8	21.1	22	43	253	08	17	212	41
10	Q	01	23	399	15	45	323	76	18	15	31.2	12	30	9.9	21.3	10	24	246	18	18	226	20
11	Q	22	20	405	17	04	338	67	18	08	30.7	12	40	7.4	23.3	23	30	264	15	57	213	51
12	D	23	10	582	14	50	283	299	06	38	38.8	22	47	4.2	34.6	23	52	456	06	57	124	332
13	D	00	30	752	10	04	308	444	02	17	40.2	00	33	-17.6	57.8	00	27	472	09	15	196	276
14		21	50	420	15	18	336	84	19	26	28.1	13	40	11.1	17.0	23	38	258	12	43	230	28
15		20	08	411	14	18	340	71	18	08	29.6	14	28	7.8	21.8	00	01	254	04	45	178	76
16		20	47	415	15	15	345	70	17	55	28.3	12	30	10.2	18.1	00	01	243	17	48	195	48
17		21	53	469	15	15	347	122	18	54	31.6	11	40	10.2	21.4	23	59	278	17	20	213	65
18		00	32	421	16	33	345	76	01	22	26.2	00	45	4.2	22.0	00	10	280	09	33	183	97
19		21	08	408	14	45	336	72	18	40	27.4	04	30	4.5	22.9	00	48	255	04	55	207	48
20		19	30	435	14	14	343	92	17	27	31.6	12	02	11.9	19.7	20	56	253	06	17	214	39
21	Q	20	27	405	13	34	354	51	19	05	28.4	12	39	7.9	20.5	00	01	240	17	27	202	38
22		18	48	421	15	34	319	102	17	15	39.5	02	10	9.7	29.8	17	32	251	10	13	188	63
23	Q	19	55	411	14	44	343	68	17	50	27.8	12	08	11.7	16.1	21	32	238	14	48	210	28
24		21	08	436	15	28	353	83	19	42	29.3	13	24	13.0	16.3	23	05	236	12	15	213	23
25		01	10	420	15	48	330	90	06	15	29.8	12	41	7.0	22.8	00	55	238	07	06	135	103
26		22	19	442	13	55	341	101	18	06	31.6	12	50	8.0	23.6	23	05	251	18	20	215	36
27		20	10	438	15	55	322	116	18	43	35.2	13	35	9.0	26.2	00	01	243	05	56	186	57
28		22	27	434	15	16	293	141	18	48	30.4	12	15	4.1	26.3	22	55	259	17	32	208	51
29		21	23	423	16	50	312	111	18	55	30.7	12	30	5.2	25.5	21	25	276	04	00	197	79
30		21	45	441	15	32	336	105	18	40	30.1	02	17	11.6	18.5	21	47	262	07	12	212	50
31																						
Mean				452			319	133			33.2			5.4	27.8			291			187	104
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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	380	379	377	367	378	379	380	375	377	373	374	372	368	366	353	342	347	364	377	384	400	402	394	389	375
2 Q	382	379	382	383	384	381	373	372	373	373	372	369	364	358	355	360	368	378	382	386	394	394	398	396	378
3	384	381	383	384	379	379	379	376	377	378	379	373	364	353	353	366	379	392	407	399	390	397	402	393	381
4 Q	387	379	382	384	382	379	380	380	380	379	379	377	369	356	345	351	377	394	408	407	409	400	393	394	382
5	389	390	390	390	387	385	385	383	376	373	378	383	377	368	358	353	357	373	392	406	409	402	403	397	384
6	388	388	390	387	385	382	383	381	382	382	385	383	368	349	342	345	357	371	387	393	394	397	403	400	380
7	396	398	384	388	392	394	394	396	392	385	382	377	360	347	309	344	359	367	381	390	398	398	393	387	380
8	387	385	379	374	381	383	387	381	379	382	374	376	377	371	371	358	361	365	383	398	393	399	397	395	381
9	391	389	388	385	385	387	392	391	366	362	371	366	372	361	353	351	356	361	372	373	380	385	391	391	376
10	389	384	383	379	385	389	388	386	384	385	385	386	379	366	370	368	368	377	392	403	396	391	387	385	384
11	382	387	386	387	388	382	386	384	381	383	383	381	371	360	355	350	350	365	381	387	398	397	396	385	380
12	381	384	384	384	385	384	384	386	383	382	380	375	366	349	348	361	369	371	382	396	433	438	423	417	385
13 D	418	401	407	382	382	362	361	376	379	387	392	387	388	371	351	357	371	382	398	408	421	423	414	402	388
14	393	388	392	391	381	368	377	370	378	379	377	370	367	362	343	340	351	365	392	409	422	422	408	399	381
15 Q	388	386	385	386	383	382	385	383	385	383	385	382	371	357	351	344	342	353	369	382	392	401	401	397	378
16 D	392	388	390	388	391	393	392	392	397	403	400	396	383	362	377	367	370	381	406	413	418	405	423	386	392
17 D	389	375	372	378	380	384	382	386	377	377	372	367	346	346	355	327	339	363	378	397	402	398	398	389	374
18	386	383	378	381	382	381	381	377	378	385	378	386	377	359	366	346	340	363	397	418	433	426	411	387	383
19 D	385	372	378	370	385	367	398	371	377	363	369	382	374	355	356	353	359	372	392	413	414	403	391	387	379
20	387	375	381	378	377	372	377	376	372	375	372	360	349	351	351	352	360	371	378	385	388	383	376	381	372
21	382	380	381	378	376	382	379	383	380	376	374	368	363	365	361	358	356	372	378	387	392	398	403	386	378
22	387	385	386	384	385	382	384	390	385	392	392	389	383	359	353	346	352	372	394	392	377	382	392	402	381
23 D	393	382	367	351	342	361	371	372	372	370	366	361	351	351	351	348	341	357	377	380	398	417	409	404	370
24	384	386	381	378	372	374	376	377	379	375	377	377	365	362	344	323	339	359	380	398	391	396	398	398	374
25	388	388	386	371	378	363	372	367	372	374	370	372	367	359	347	343	345	354	372	388	403	416	403	391	374
26	382	380	378	376	374	378	377	376	372	373	373	369	364	357	352	348	361	369	378	392	396	389	382	384	374
27 Q	388	380	383	383	383	379	374	375	377	378	376	372	363	351	343	340	351	369	390	404	408	402	398	396	378
28 Q	392	388	388	388	387	383	380	382	383	384	383	381	372	359	344	337	353	379	408	429	422	407	399	398	384
29	397	393	392	393	393	390	387	385	381	380	387	387	385	377	362	347	345	360	378	389	399	400	402	399	384
30	398	396	395	399	397	397	401	400	399	397	396	393	383	372	362	353	352	358	371	382	392	389	391	392	386
31	394	393	392	387	389	389	386	386	389	389	387	390	380	371	361	352	348	361	376	395	403	402	400	397	384
Mean	389	385	385	382	382	381	382	381	380	380	380	377	370	360	353	349	355	369	385	396	402	402	399	393	380

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt — D = 7° W + ... ' — July 1949

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		20.7	18.9	18.5	18.7	19.1	21.5	20.7	20.8	23.7	19.8	15.3	11.2	08.0	08.0	10.5	16.2	22.5	26.3	26.6	28.0	26.9	23.5	21.1	20.2	19.4
2	Q	19.1	19.9	20.5	19.2	19.8	17.9	20.5	20.8	19.9	18.4	16.1	13.4	11.6	11.6	13.0	16.2	20.8	23.9	25.2	25.2	23.7	22.9	22.5	21.9	19.3
3		20.7	20.8	21.1	21.2	21.0	21.8	20.0	19.8	18.9	18.0	16.1	14.4	13.8	13.5	14.5	17.9	18.9	19.9	20.7	22.5	23.9	23.9	22.9	20.7	19.5
4	Q	19.8	21.0	21.0	20.5	20.6	20.8	20.7	19.6	19.1	18.0	16.5	15.5	15.6	16.4	18.6	21.6	23.5	23.7	24.3	25.0	26.2	24.4	23.0	21.6	20.7
5		20.9	20.9	20.8	19.9	19.9	20.1	19.9	18.0	17.8	15.4	12.5	11.0	09.8	11.5	14.3	19.2	23.8	27.3	27.6	27.4	26.4	23.6	20.1	18.9	19.5
6		18.9	19.9	21.4	21.9	18.7	19.8	20.7	19.3	18.4	16.6	15.0	14.1	12.6	12.4	17.2	23.8	28.6	30.5	30.8	29.0	27.8	25.0	21.4	19.7	20.9
7		19.9	17.6	18.2	19.8	19.9	20.1	20.1	19.7	18.0	16.1	13.2	11.9	09.0	12.6	12.5	24.6	25.7	29.0	29.0	26.3	23.1	19.4	17.4	17.2	19.2
8		17.2	17.9	18.8	17.7	19.4	18.8	18.2	20.1	20.4	19.8	17.1	15.4	13.7	15.6	18.7	21.8	23.1	29.4	29.8	27.8	25.2	21.3	19.1	18.6	20.2
9		19.8	20.7	20.7	20.7	20.6	19.9	20.7	21.8	20.4	14.8	11.8	09.9	09.8	10.0	13.4	19.0	21.8	23.7	25.2	25.8	24.3	22.3	20.9	19.4	19.0
10		18.6	19.4	19.3	17.2	17.9	19.1	19.5	19.3	18.8	17.1	15.7	14.7	13.5	13.5	14.7	20.4	25.3	27.6	27.4	25.2	23.5	21.7	20.3	19.8	19.6
11		20.1	20.6	20.3	20.0	19.8	18.9	19.8	19.6	19.1	18.2	16.9	14.0	10.7	09.5	11.5	16.4	20.8	24.3	25.2	27.3	25.3	22.8	20.1	19.0	19.2
12		18.8	20.0	20.7	20.8	20.7	20.7	20.2	20.0	20.7	19.2	16.7	12.7	10.6	10.4	12.8	16.9	20.7	24.4	26.7	26.8	23.4	25.8	24.0	21.8	19.8
13	D	20.7	18.5	17.8	10.7	15.3	23.9	13.4	11.3	11.0	10.7	11.6	10.3	08.0	09.7	09.7	15.4	19.2	20.0	23.3	24.7	24.6	24.6	22.9	21.1	16.6
14		20.1	19.8	19.1	19.2	19.8	18.2	17.0	18.1	16.7	14.7	13.4	10.7	10.1	11.4	11.9	14.9	18.8	22.8	25.2	27.1	26.9	23.9	21.7	20.3	18.4
15	Q	20.1	20.7	20.7	20.1	20.0	20.1	19.8	19.8	19.2	18.2	15.8	13.0	11.5	11.6	12.2	13.7	19.2	23.8	27.0	28.2	26.7	24.6	21.6	19.8	19.5
16	D	19.3	19.8	20.2	19.8	19.4	19.0	18.8	18.1	17.0	15.2	13.2	10.9	12.9	15.0	18.8	17.8	19.8	23.5	25.2	28.0	25.2	23.9	18.2	15.7	18.9
17	D	17.1	17.6	19.0	19.0	19.0	17.8	19.9	21.6	29.8	20.2	15.7	15.0	19.3	21.1	20.3	19.9	24.8	27.3	25.2	14.7	12.7	19.8	18.2	18.1	20.5
18		19.2	19.8	21.0	20.7	19.7	19.4	19.3	19.0	19.4	19.5	17.3	13.2	11.3	11.3	16.1	17.7	22.7	28.9	27.0	28.9	25.2	21.2	18.4	20.0	19.8
19	D	20.2	10.9	17.3	10.0	18.0	15.7	17.1	19.1	18.9	22.7	17.3	09.7	10.1	13.5	18.2	25.3	28.5	29.4	27.0	23.3	19.3	17.9	18.3	18.0	18.6
20		12.9	17.2	21.3	21.9	21.6	21.0	20.7	20.7	19.8	18.4	16.9	16.1	17.1	17.0	19.7	20.8	22.2	23.4	24.2	22.5	21.4	19.4	19.4	19.4	19.4
21		18.8	20.0	20.2	20.1	17.9	19.7	19.1	20.0	20.7	20.7	20.9	16.9	19.4	16.7	18.3	21.3	23.9	26.7	26.1	23.6	22.5	21.0	19.9	20.3	20.7
22		20.8	20.9	20.9	20.7	18.8	17.3	17.3	19.8	19.7	17.9	18.5	14.6	08.6	09.3	13.5	16.1	21.2	25.3	26.4	29.7	29.8	27.2	23.7	20.6	19.9
23	D	18.2	15.1	11.6	12.5	13.7	18.9	18.9	20.0	19.7	21.4	15.2	11.1	14.6	14.8	16.4	18.8	24.0	29.8	31.3	31.4	27.7	23.9	21.4	20.8	19.6
24		20.9	17.8	19.9	19.3	18.3	21.0	20.0	19.8	18.5	17.3	15.6	13.8	12.7	15.1	15.6	21.8	27.7	31.2	30.7	30.6	29.0	26.2	22.6	20.3	21.0
25		19.9	20.3	18.6	17.6	17.4	17.8	30.5	19.4	19.6	18.0	15.2	11.6	10.7	10.8	10.5	15.5	23.5	29.7	32.6	31.7	28.3	23.9	21.3	20.3	20.2
26		19.9	19.6	19.4	20.2	20.8	20.8	22.3	21.8	19.9	19.5	16.9	13.9	10.5	11.6	14.8	17.1	18.2	21.1	23.7	22.9	20.8	19.9	19.9	18.7	18.9
27	Q	18.3	20.1	21.4	21.7	21.0	20.5	19.9	19.9	19.6	18.4	15.9	13.4	10.6	09.6	11.7	17.3	23.6	27.8	29.0	25.9	23.0	21.3	20.1	20.6	19.6
28	Q	21.6	21.6	21.5	21.0	20.7	19.9	19.9	19.8	18.9	17.9	16.5	15.3	14.4	14.8	17.4	21.9	26.0	28.7	28.6	26.7	25.3	23.0	20.8	19.9	20.9
29		20.6	21.1	21.0	20.8	20.3	19.1	19.3	18.7	17.9	15.8	13.5	10.7	07.9	07.5	09.4	15.6	17.2	27.3	31.8	33.5	31.7	27.3	22.9	20.2	19.6
30		19.9	19.9	20.5	19.9	19.8	19.0	18.9	19.1	20.7	18.1	16.2	12.8	11.6	11.9	12.2	16.2	19.4	22.6	26.0	28.9	27.8	26.2	23.3	20.1	19.6
31		19.9	20.1	20.5	20.1	19.7	19.9	17.5	17.3	18.8	18.0	16.1	13.8	10.8	11.0	11.4	13.3	19.4	24.4	29.9	30.0	27.1	24.2	21.7	20.3	19.4
Mean		19.5	19.4	19.9	19.2	19.4	19.7	19.8	19.5	19.4	17.9	15.7	13.1	12.0	12.6	14.6	18.6	22.5	25.9	27.1	27.0	25.3	23.1	20.9	19.9	19.7

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 27 Agincourt — Z = 56,000 γ + — July 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	236	235	230	230	224	220	214	217	222	225	230	232	232	230	227	224	224	224	223	227	233	238	242	242	228
2 Q	236	233	231	227	219	214	222	226	227	230	230	231	227	218	215	216	224	227	230	228	232	236	237	233	227
3	229	227	226	225	225	225	221	225	225	227	227	229	225	222	218	209	208	208	210	219	225	230	230	230	223
4 Q	230	226	225	222	223	224	222	224	225	226	227	226	225	221	214	210	212	214	226	233	230	228	224	225	223
5	222	222	221	220	222	222	221	218	218	222	227	225	219	220	220	216	213	213	213	222	226	230	229	230	222
6	226	225	225	224	220	222	222	222	221	223	225	225	224	225	229	230	227	226	223	224	225	227	230	229	225
7	224	226	228	229	224	224	223	219	212	221	225	223	219	221	212	219	218	215	221	225	229	236	236	230	223
8	226	225	223	225	224	221	210	218	221	222	213	209	212	213	210	206	207	213	230	235	229	230	227	225	220
9	221	220	220	219	220	221	214	178	183	189	204	209	213	216	217	217	216	219	225	230	232	233	233	230	216
10	227	226	225	225	225	223	222	222	223	224	228	226	222	219	219	220	225	225	225	228	230	232	232	231	225
11	224	223	222	220	221	210	216	220	223	224	227	224	222	218	218	215	214	213	214	227	235	236	242	238	223
12	229	223	222	220	222	221	218	220	220	223	224	218	215	210	206	203	204	207	210	212	219	224	224	223	217
13 D	222	219	220	220	220	094	140	161	167	199	223	229	224	221	212	211	219	215	213	213	219	222	222	218	205
14	217	218	218	216	216	222	222	217	220	224	225	220	219	220	219	218	218	219	222	220	220	226	226	224	220
15 Q	219	219	220	220	219	220	220	222	222	224	227	226	223	218	214	217	221	222	221	220	222	225	227	227	222
16 D	224	222	218	219	218	218	218	218	218	219	220	214	212	212	210	201	195	200	213	224	249	248	252	253	220
17 D	240	233	227	218	216	209	217	219	186	189	209	208	202	201	207	201	212	224	220	222	224	233	235	232	216
18	226	226	225	224	222	220	222	222	225	224	224	222	219	214	211	207	216	224	227	230	234	245	251	239	225
19 D	236	238	228	216	185	214	192	173	177	163	170	197	203	207	214	216	217	219	222	227	236	236	233	237	211
20	242	234	227	224	224	222	224	222	223	227	225	220	220	218	217	215	212	213	218	226	232	236	236	236	225
21	229	227	224	221	222	218	218	221	221	221	214	207	204	220	203	212	217	213	209	220	225	231	239	235	219
22	228	223	222	220	220	218	218	219	216	212	212	206	209	210	212	212	210	210	212	216	224	228	232	233	217
23 D	233	232	213	210	213	207	217	218	220	217	214	216	209	215	216	218	210	211	219	224	227	232	227	227	219
24	226	226	226	226	222	224	222	222	223	223	223	222	224	232	228	223	224	220	225	226	229	233	231	231	226
25	227	225	226	226	218	200	185	181	221	232	236	235	230	226	217	216	215	213	216	227	236	247	243	239	222
26	236	230	225	223	223	221	201	198	220	225	227	227	224	224	226	219	216	224	227	231	231	237	237	236	225
27 Q	238	231	226	224	222	221	220	222	222	222	224	220	221	217	210	206	203	206	210	219	223	228	231	228	220
28 Q	222	220	218	218	218	217	218	219	218	219	219	220	220	220	215	216	218	215	210	214	226	227	227	223	219
29	221	219	218	217	216	217	218	217	216	217	222	221	217	212	210	205	200	196	200	212	216	220	221	218	214
30	216	213	213	214	212	212	212	211	212	209	213	218	216	212	210	213	210	218	226	227	226	228	224	225	216
31	220	216	218	219	217	200	197	210	214	213	216	215	214	213	214	212	207	213	220	225	226	229	226	220	216
Mean	227	225	223	222	219	214	213	213	215	217	220	220	218	217	215	214	214	216	219	224	228	232	232	230	220

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt — July 1949

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	00	406	15	47	338	68	19	30	29.1	12	55	7.3	21.8	22	50	245	06	55	210	35
2 Q	23	08	399	14	25	354	45	19	05	25.9	13	10	11.1	14.8	22	12	238	14	50	210	28
3	18	56	414	14	30	350	64	20	55	24.4	13	05	4.0	20.4	23	57	232	16	00	205	27
4 Q	20	35	410	14	30	342	68	20	05	26.6	11	58	15.0	11.6	00	01	233	16	35	209	24
5	03	05	444	16	07	351	93	17	30	27.8	12	27	9.2	18.6	20	54	232	18	28	212	20
6	23	02	406	14	47	338	68	18	08	31.7	13	12	11.0	20.7	15	04	231	04	20	213	18
7	00	43	407	14	46	287	120	18	13	29.5	12	40	8.2	21.3	22	21	239	14	34	207	32
8	22	57	430	16	00	342	88	18	48	33.6	12	19	13.4	20.2	19	13	236	16	00	202	34
9	07	28	403	15	27	345	58	06	05	28.1	11	07	8.5	19.6	22	23	236	07	48	160	76
10	19	44	412	13	45	361	51	17	40	28.5	13	56	12.5	16.0	20	54	233	13	45	216	17
11	22	15	412	15	57	346	66	19	26	27.6	13	20	8.7	18.9	22	19	245	05	25	206	39
12	20	30	487	13	43	341	146	19	10	27.3	13	40	9.3	18.0	20	30	243	15	45	200	43
13 D	00	53	433	15	12	335	98	05	14	30.7	12	50	6.7	24.0	11	05	229	05	34	44	185
14	20	44	436	14	59	335	101	19	50	27.9	12	05	7.8	20.1	21	40	228	04	42	213	15
15 Q	22	28	403	16	12	337	66	19	25	28.7	12	55	10.6	18.1	22	32	228	14	37	213	15
16 D	22	38	450	13	28	342	108	19	49	31.9	12	05	6.7	25.2	22	42	259	16	40	186	73
17 D	22	52	403	15	32	323	80	08	27	35.5	10	55	13.0	22.5	23	55	248	08	55	157	91
18	19	58	457	16	28	323	134	19	10	31.6	13	08	6.9	24.7	22	39	257	15	24	206	51
19 D	19	54	424	15	28	339	85	17	22	30.8	04	02	-0.3	31.1	01	20	242	10	08	147	95
20	00	48	408	12	40	342	66	18	08	24.7	00	37	7.8	16.9	01	36	250	16	54	212	38
21	22	13	422	16	26	351	71	17	21	27.9	11	45	15.2	12.7	22	11	242	13	47	200	42
22	23	11	438	14	55	344	94	20	45	21.2	12	55	5.8	15.4	23	15	243	11	05	206	37
23 D	21	19	433	16	20	334	99	19	12	33.0	02	18	7.5	25.5	01	01	239	02	46	198	41
24	22	51	409	15	40	317	92	17	40	32.4	12	56	12.0	20.4	21	47	236	17	50	217	19
25	21	10	429	16	19	316	113	06	24	37.7	14	20	3.0	34.7	21	27	248	06	57	121	127
26	20	26	396	15	22	344	52	18	53	24.4	12	50	9.1	15.3	23	59	238	07	04	183	55
27 Q	20	22	409	14	50	336	73	18	10	29.3	13	25	9.2	20.1	00	11	239	16	08	202	37
28 Q	19	58	434	15	02	333	101	17	47	29.4	12	35	13.8	15.6	21	02	230	14	41	210	20
29	00	48	404	15	55	340	64	18	07	34.3	14	18	3.7	30.6	10	50	222	17	54	191	31
30	07	15	412	16	21	346	66	19	30	30.0	12	42	10.0	20.0	19	57	230	14	28	206	24
31	20	52	407	16	06	339	68	19	01	32.9	13	55	9.1	23.8	20	50	229	05	51	187	42
Mean			421			338	83			29.5			8.9	20.6			238			192	46
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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	392	391	392	391	386	385	381	385	386	390	386	376	376	361	354	352	354	366	378	402	399	400	389	385	382
2	385	390	388	386	389	383	380	397	380	371	376	375	347	325	326	358	361	366	365	370	380	390	395	396	374
3 D	383	360	379	327	282	311	141	-005	175	093	213	357	360	376	376	371	379	396	408	412	411	405	405	403	321
4 D	399	432	440	293	227	215	274	091	342	341	321	316	292	272	263	300	327	341	379	432	453	392	357	374	328
5	370	376	352	347	342	345	342	344	344	339	341	345	334	320	309	324	337	348	363	389	379	358	372	382	350
6	379	377	379	377	376	371	364	363	361	356	350	351	356	343	338	351	359	372	387	382	387	395	382	385	368
7	379	378	374	377	378	373	371	369	368	367	370	368	354	343	307	300	331	379	399	408	399	397	402	383	370
8 D	389	376	320	304	213	226	350	352	338	356	328	341	329	329	327	323	334	350	371	385	382	374	366	361	338
9	361	362	367	367	368	366	365	370	369	369	362	359	358	341	324	327	346	369	377	380	395	387	387	377	365
10	372	370	372	368	356	353	366	366	364	359	358	351	338	340	341	360	386	381	384	392	393	396	382	373	367
11 Q	374	374	372	369	370	371	372	376	373	377	372	369	356	339	327	324	349	368	381	395	402	396	380	366	369
12	373	376	374	371	370	373	376	379	371	369	371	369	364	346	330	340	361	379	391	391	387	386	386	381	371
13	381	379	381	380	381	382	387	387	387	386	386	379	369	359	349	365	359	371	376	384	397	406	397	400	380
14 D	373	358	350	350	361	375	374	377	371	369	360	366	332	354	364	357	337	335	338	360	387	417	440	399	367
15 D	350	355	370	363	306	298	373	371	369	358	351	366	354	339	324	343	348	366	376	381	392	387	388	361	358
16	377	370	371	372	367	368	368	370	363	359	353	362	364	356	348	341	349	360	371	373	380	386	388	388	367
17	388	391	395	376	373	363	373	379	379	378	375	376	365	332	350	351	375	381	379	400	399	389	389	386	377
18	385	385	384	387	386	385	384	378	363	370	363	367	349	326	324	327	341	363	380	396	408	402	388	390	372
19	383	380	383	377	380	385	380	383	378	378	375	365	361	340	337	337	343	359	376	386	389	416	388	391	374
20	394	380	386	391	376	354	354	371	366	365	363	358	342	313	309	320	324	340	364	382	396	385	388	392	363
21	383	386	385	381	386	380	378	374	375	372	369	368	349	329	316	334	350	366	376	388	396	397	389	397	372
22	388	378	375	383	378	378	378	372	368	361	365	359	345	329	313	318	332	358	373	385	382	385	378	385	365
23 Q	332	328	332	332	333	333	334	328	325	323	318	313	348	331	319	324	343	364	379	392	389	390	384	381	345
24 Q	384	385	386	384	384	387	384	382	382	380	377	375	363	345	334	332	341	358	377	385	392	393	389	386	375
25 Q	389	391	390	390	390	391	389	389	385	381	380	377	365	349	337	337	348	375	390	403	411	401	396	395	381
26 Q	392	392	392	392	390	385	380	379	382	382	385	385	373	350	330	317	323	340	360	375	382	400	393	398	374
27	385	385	390	388	382	388	387	384	389	385	382	374	359	331	327	316	331	352	348	365	374	382	382	377	369
28	380	382	384	374	375	382	382	379	380	377	377	375	365	333	314	328	333	340	351	364	379	380	385	390	367
29	387	385	387	385	387	381	385	393	387	384	382	380	370	353	323	311	325	344	355	370	396	417	374	382	372
30	387	376	378	378	366	360	373	382	381	377	378	368	353	343	334	333	342	351	362	365	369	375	380	380	366
31	380	379	377	377	374	369	377	382	384	381	381	379	369	344	326	318	328	353	385	396	385	393	380	380	371
Mean	380	379	378	369	360	359	362	353	364	360	361	364	354	338	329	334	345	361	374	387	393	393	387	385	365

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt D = 7° W + ... ' August 1949

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	20.5	20.7	20.8	20.6	19.6	18.1	18.1	19.9	19.2	18.6	17.6	16.5	14.4	12.8	15.4	20.4	23.9	26.9	28.4	25.9	26.4	26.2	23.2	20.9	20.6
2	20.0	19.9	19.5	18.7	18.2	14.8	17.6	19.9	15.3	22.7	16.3	07.1	11.4	11.6	20.9	24.6	23.6	25.8	25.9	25.8	23.0	19.8	16.7	16.5	18.9
3 D	18.0	08.1	08.1	14.1	05.9	06.4	13.8	10.5	03.5	30.5	24.6	16.6	12.3	12.8	17.9	21.6	24.5	27.0	27.4	26.2	24.8	24.5	22.2	22.6	16.8
4 D	24.8	19.6	24.1	10.5	16.1	44.2	21.4	01.7	14.1	14.4	13.9	09.6	06.5	12.0	27.2	23.6	23.1	27.0	26.1	22.3	24.1	27.6	23.6	24.1	20.0
5	22.6	19.0	21.0	21.6	22.7	23.6	22.9	23.8	21.9	19.9	11.4	08.5	08.3	10.3	14.6	21.1	25.9	27.3	30.2	27.1	25.9	25.3	22.2	17.9	20.6
6	20.3	22.5	22.6	23.9	23.0	21.3	22.0	20.4	18.9	17.0	13.8	11.2	10.5	13.4	17.1	23.5	27.0	28.9	29.0	27.5	25.3	22.6	21.9	20.7	21.0
7	22.7	22.6	22.7	22.1	21.8	21.2	20.6	20.3	19.0	18.1	16.3	14.6	13.7	15.8	18.8	24.8	39.2	34.4	30.8	25.8	23.0	21.2	20.0	20.3	22.0
8 D	01.5	05.4	03.1	04.0	09.7	37.2	20.0	19.0	18.8	15.4	13.6	12.2	13.9	16.2	18.8	24.6	29.4	30.8	28.4	24.5	20.9	19.4	19.3	20.9	17.8
9	21.2	20.7	21.3	22.1	22.7	22.3	21.7	20.3	19.2	20.9	21.0	17.2	13.9	17.9	23.0	28.1	31.5	33.9	29.7	27.6	24.5	20.8	18.5	19.1	22.5
10	20.2	21.2	20.8	20.0	20.9	19.4	17.9	23.0	18.3	16.3	13.6	11.0	13.4	17.6	24.0	30.0	31.5	32.7	31.4	29.6	25.8	22.2	20.0	17.8	21.6
11 Q	20.8	20.9	21.0	19.8	20.0	20.8	21.7	21.6	21.6	20.0	17.3	14.7	14.3	16.0	21.0	25.7	29.2	29.8	28.2	26.4	23.6	21.4	20.0	20.3	21.5
12	21.0	18.8	19.3	20.4	19.6	19.2	20.9	20.0	18.3	18.1	18.2	14.7	10.6	11.7	16.5	22.6	26.3	29.2	29.4	26.8	24.5	21.8	19.8	19.4	20.3
13	20.3	19.5	20.0	20.1	20.0	19.4	18.4	17.6	18.0	17.0	15.4	12.9	12.6	12.4	14.9	19.4	21.5	25.2	27.2	27.7	25.6	23.6	20.7	19.2	19.5
14 D	15.1	07.2	12.1	09.4	14.5	18.1	18.8	21.0	15.7	15.8	23.9	14.6	18.1	23.7	20.3	22.0	22.8	27.3	30.6	27.6	26.5	22.0	22.4	20.3	19.6
15 D	12.4	13.0	21.5	18.7	03.6	19.9	16.9	19.3	20.4	19.7	16.8	14.2	13.6	14.8	17.1	21.5	23.0	27.1	26.0	25.5	23.5	21.2	18.8	14.2	18.4
16	16.3	19.1	20.0	19.2	16.9	18.8	21.2	18.4	18.5	17.5	15.4	15.0	12.1	12.7	16.0	20.7	23.9	26.3	27.2	26.2	23.7	22.0	20.9	20.8	19.5
17	21.6	21.7	21.1	21.0	15.3	19.0	18.8	19.1	18.6	17.5	15.2	12.2	08.9	12.2	18.0	19.7	25.8	30.6	32.7	29.7	25.7	21.8	20.0	19.9	20.2
18	20.8	20.9	20.4	19.9	19.0	17.4	14.2	16.3	19.9	23.9	18.9	11.4	09.1	11.7	19.4	23.8	28.1	31.1	31.7	28.1	24.8	23.0	22.4	20.5	20.7
19	18.5	16.3	21.3	19.3	20.6	20.6	19.7	18.8	18.2	17.4	15.3	13.5	12.2	11.6	15.4	20.0	23.9	28.6	30.0	28.1	25.4	23.7	22.5	21.9	20.1
20	19.5	20.2	22.0	21.1	16.1	14.6	18.2	18.2	16.4	15.4	15.2	09.5	09.3	10.9	18.3	24.0	28.4	30.6	30.1	27.8	25.6	23.6	21.9	21.7	20.0
21	22.4	21.7	21.7	20.4	14.8	19.3	19.4	17.5	17.6	16.4	15.1	13.3	11.9	13.7	18.6	25.1	29.1	30.6	31.1	29.1	25.1	22.4	21.3	17.2	20.6
22	17.8	19.4	19.2	21.8	20.4	23.2	20.5	18.8	18.2	17.2	14.4	11.7	10.9	13.2	17.2	23.7	28.5	31.1	30.2	26.8	23.2	20.0	18.4	19.3	20.2
23 Q	21.0	20.5	21.1	21.0	20.8	20.8	21.9	19.2	17.8	16.0	13.7	10.6	09.5	11.6	16.3	23.1	28.5	30.1	30.1	28.1	24.4	21.6	20.2	20.2	20.3
24 Q	20.7	20.3	20.5	19.5	20.4	21.2	20.0	19.1	18.5	17.6	15.8	13.2	10.3	12.0	17.3	23.4	29.2	31.6	31.6	29.3	26.3	22.7	21.0	20.6	21.0
25 Q	21.6	21.0	21.0	20.2	20.0	19.4	19.2	18.5	17.3	16.6	15.2	11.8	10.0	11.0	15.1	20.1	23.8	28.0	30.1	29.8	28.0	25.2	22.8	21.6	20.3
26 Q	21.6	21.1	20.4	19.8	19.4	18.6	16.1	16.1	18.2	17.5	17.0	13.4	10.0	10.1	12.8	16.7	22.9	26.7	30.2	29.4	27.2	23.3	20.2	18.3	19.5
27	19.1	20.1	20.1	16.3	15.6	18.5	17.9	20.5	20.3	15.5	15.0	11.4	07.9	08.9	13.4	16.9	21.8	25.6	29.1	28.5	26.3	24.0	22.1	21.6	19.1
28	21.6	21.6	19.2	14.2	18.4	19.1	18.4	18.5	18.5	17.5	18.0	15.2	12.5	11.6	17.0	20.9	23.5	28.5	31.0	30.7	29.2	26.5	23.8	20.7	20.7
29	20.4	21.1	21.0	20.3	19.4	17.0	24.0	19.3	18.5	18.2	17.2	14.1	11.6	11.0	14.5	20.3	26.4	30.0	30.9	29.2	26.4	25.8	24.9	20.2	20.9
30	20.0	20.0	20.0	19.5	14.1	16.4	20.1	20.1	18.6	18.2	16.0	15.0	15.0	13.7	17.3	23.6	27.4	27.3	29.1	29.2	27.3	24.0	21.2	20.4	20.6
31	19.9	19.9	20.1	20.0	20.6	17.6	17.6	18.5	18.4	17.2	15.4	13.3	11.0	12.3	16.9	22.8	27.1	30.1	31.0	30.7	27.1	22.9	21.0	20.9	20.5
Mean	19.5	18.9	19.6	18.7	17.8	20.2	19.3	17.9	18.0	18.2	16.3	12.9	11.6	13.1	17.8	22.5	26.5	29.1	29.5	27.6	25.2	23.0	21.0	20.0	20.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 31 Agincourt — Z = 56,000 γ + — August 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	218	216	215	214	215	213	212	210	209	214	218	219	219	215	214	213	214	218	219	223	230	227	225	226	217
2	223	221	221	216	207	200	209	192	162	139	148	177	172	161	176	186	201	213	222	226	227	230	231	232	200
3 D	231	226	169	141	001	100	-052	-152	037	025	013	193	254	260	245	236	235	236	236	234	238	239	250	268	161
4 D	267	308	301	075	109	253	197	066	218	252	236	228	219	222	212	236	249	248	284	342	324	292	263	254	236
5	256	226	245	225	233	237	233	233	236	236	230	230	230	229	226	231	231	236	238	239	249	243	242	245	236
6	238	236	233	233	229	224	230	230	232	232	232	227	227	222	225	226	225	227	234	236	242	245	239	239	232
7	233	230	227	225	225	224	225	225	226	227	232	231	229	225	229	232	230	239	238	236	233	232	242	248	231
8 D	243	232	212	168	078	078	213	233	201	226	219	219	216	230	233	229	227	236	236	236	238	236	233	233	213
9	232	232	230	227	227	228	228	227	227	225	212	196	195	199	206	213	221	225	233	248	259	255	247	233	226
10	230	229	227	227	223	207	222	195	210	222	225	222	222	218	218	217	225	220	225	230	236	243	248	242	224
11 Q	230	230	227	225	225	225	223	223	224	227	230	229	230	235	238	230	231	233	235	236	238	237	235	232	230
12	228	230	227	225	224	225	223	216	217	224	226	223	219	218	221	227	228	230	230	236	236	236	232	230	226
13	225	225	226	225	224	220	214	215	219	222	225	223	219	217	215	216	213	213	213	219	230	236	236	239	222
14 D	240	218	212	218	227	230	219	177	176	200	189	189	197	190	189	201	207	220	231	236	259	286	321	328	223
15 D	306	256	239	229	166	125	219	226	230	222	226	236	236	236	230	232	230	227	230	233	243	258	267	267	232
16	248	239	237	230	221	220	214	201	207	219	221	230	230	230	229	222	221	225	229	228	227	227	226	226	225
17	224	224	225	224	217	225	228	225	224	225	225	225	219	213	207	191	191	200	217	215	224	229	225	222	218
18	219	220	219	219	219	213	202	193	191	168	149	187	197	203	206	199	207	216	222	226	235	242	244	245	210
19	242	224	225	225	226	224	220	224	222	220	224	222	219	220	220	220	222	225	225	225	226	240	229	229	225
20	235	224	224	223	223	218	226	226	223	223	227	222	222	214	212	213	215	218	230	235	239	235	229	227	225
21	224	224	224	225	212	219	224	222	224	224	226	226	224	221	213	212	211	220	227	230	230	233	230	234	223
22	231	228	227	227	221	217	212	222	222	225	226	225	228	230	226	222	221	229	236	242	239	236	229	226	227
23 Q	225	225	224	223	224	220	212	219	222	223	227	225	224	219	215	214	214	218	227	231	233	233	231	225	223
24 Q	222	224	224	224	223	221	223	223	223	223	226	227	227	222	224	225	221	227	229	232	233	231	229	229	225
25 Q	222	220	222	220	219	220	219	217	219	220	224	229	228	228	228	224	222	223	229	230	233	235	232	227	225
26 Q	225	223	222	222	221	220	219	216	224	226	230	229	224	222	224	222	224	223	230	233	233	236	232	230	225
27	230	230	228	214	217	222	220	203	177	208	221	218	215	214	214	219	224	228	226	225	226	231	236	236	220
28	232	230	230	224	227	228	223	219	219	222	227	227	228	225	225	226	226	224	224	230	235	233	236	235	227
29	230	228	226	226	224	217	204	206	219	225	225	227	225	225	221	221	225	226	230	236	248	256	250	250	228
30	240	239	236	228	214	222	225	221	227	230	233	232	222	215	210	207	207	216	228	239	245	242	239	232	227
31	232	234	233	230	227	222	223	226	230	230	230	230	225	221	221	222	222	223	236	244	244	248	249	242	231
Mean	235	230	227	214	204	210	210	199	210	213	213	220	221	219	219	219	220	225	230	236	240	242	240	239	222

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt — August 1949

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	20	47	410	16	10	349	61	18	20	29.0	13	09	11.0	18.0	20	50	234	08	15	204	30
2	07	11	423	14	22	298	125	09	52	30.5	11	40	5.7	24.8	22	15	232	09	54	109	123
3 D	18	53	429	08	47	-177	606	09	43	52.6	07	12	-19.5	72.1	23	26	276	07	12	-286	562
4 D	02	37	483	07	17	-1	484	06	58	71.5	07	35	-7.7	79.2	05	45	392	05	43	-36	428
5	19	50	411	14	38	277	134	18	21	33.4	11	53	7.0	26.4	00	10	262	01	34	201	61
6	21	14	422	11	27	338	84	18	20	29.7	12	27	8.8	20.9	21	15	253	05	12	219	34
7	23	01	413	16	12	288	125	16	20	42.6	12	26	12.6	30.0	23	59	251	13	20	221	30
8 D	01	01	416	04	55	93	323	05	11	50.2	00	40	-5.3	55.5	02	13	289	04	50	-160	449
9	20	15	405	14	44	317	88	17	28	35.2	12	25	12.4	22.8	20	49	262	11	41	189	73
10	20	18	402	13	03	331	71	16	58	34.4	11	50	9.7	24.7	22	02	250	07	45	177	73
11 Q	20	40	407	15	15	319	88	16	37	30.8	12	25	13.6	17.2	20	45	241	06	00	222	19
12	19	36	397	14	13	328	69	17	52	30.6	12	25	9.9	20.7	20	40	238	08	03	216	22
13	21	31	408	14	28	338	70	18	45	28.6	12	50	10.9	17.7	23	50	243	18	05	207	36
14 D	22	25	456	13	04	311	145	18	37	33.1	01	00	-3.1	36.2	23	05	345	08	03	125	220
15 D	21	47	400	05	25	237	163	05	18	29.6	04	28	-4.4	34.0	00	18	345	05	13	68	277
16	21	08	392	15	56	336	56	18	41	27.6	12	01	2.6	25.0	00	01	271	07	15	196	75
17	19	42	406	13	34	311	95	18	15	34.0	12	25	6.9	27.1	21	06	232	15	54	189	43
18	20	43	422	15	38	308	114	18	09	32.8	12	50	7.2	25.6	23	00	253	10	15	128	125
19	21	37	432	14	56	325	107	18	26	30.4	13	15	9.3	21.1	00	55	250	13	13	213	37
20	00	12	416	14	02	294	122	17	27	31.7	12	35	9.1	22.6	21	04	242	14	02	207	35
21	20	13	409	14	20	313	96	18	39	32.4	04	25	11.6	20.8	21	15	236	04	40	205	31
22	21	35	396	14	31	303	93	18	06	31.8	12	20	10.4	21.4	18	57	240	06	13	205	35
23 Q	19	48	394	14	50	308	86	18	00	30.5	12	40	9.0	21.5	19	38	233	06	38	209	24
24 Q	21	57	393	15	27	328	65	17	28	32.5	12	35	8.3	24.2	21	38	233	05	35	217	16
25 Q	20	45	413	15	08	333	80	18	54	30.6	12	45	9.8	20.8	21	48	236	08	00	217	19
26 Q	21	40	405	15	36	313	92	18	18	30.9	13	00	9.1	21.8	21	43	237	07	11	212	25
27	03	10	398	15	27	312	86	18	47	29.4	13	10	5.1	24.3	22	28	238	08	31	168	70
28	23	39	395	14	33	307	88	19	32	31.2	13	50	11.2	20.0	20	38	236	08	20	215	21
29	21	13	431	15	30	305	126	17	57	31.8	13	10	10.7	21.1	21	58	260	06	51	190	70
30	00	28	391	15	14	327	64	19	27	30.0	04	20	8.9	21.1	20	15	245	16	24	203	42
31	19	53	408	16	00	312	96	19	07	31.5	12	35	9.4	22.1	22	30	250	06	45	219	31
Mean			412			280	132			34.2			6.4	27.8			258			157	101
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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	386	374	380	382	382	387	387	376	366	374	375	374	358	352	330	318	328	324	360	384	396	398	362	365	367
2 D	375	379	378	343	328	320	333	367	379	377	370	365	349	323	297	293	323	338	353	380	380	353	371	362	351
3 D	346	340	348	370	362	349	357	246	315	372	359	351	348	323	317	313	323	340	366	393	389	388	355	360	347
4	367	365	385	380	372	369	367	364	364	347	353	355	344	323	310	312	329	349	367	377	387	376	379	384	360
5	370	369	361	365	374	375	377	379	378	377	371	361	344	323	309	302	303	320	351	368	379	381	384	377	358
6	377	375	375	380	381	375	367	360	353	352	360	346	352	335	319	306	308	323	346	364	375	378	379	380	357
7	378	379	378	379	381	378	378	377	373	367	368	361	346	335	322	314	320	340	366	376	373	376	373	368	363
8	365	368	376	378	378	371	376	374	371	378	376	379	362	340	327	317	322	339	364	381	380	390	389	378	366
9	376	364	370	374	373	374	376	378	376	373	371	368	356	337	322	317	330	346	369	383	390	386	382	380	365
10 Q	383	385	384	384	385	386	384	385	381	383	381	378	369	353	345	335	343	354	367	381	399	397	394	379	376
11	370	364	365	370	360	358	371	378	376	373	379	376	357	343	332	339	343	359	385	405	394	385	380	369	368
12 D	368	362	358	352	349	345	347	333	290	328	329	341	311	266	311	309	318	342	359	364	363	366	369	366	340
13	358	358	348	374	364	361	363	359	366	378	374	364	351	333	322	312	328	345	361	376	380	383	384	381	359
14	375	379	376	380	379	380	363	363	372	378	379	370	331	299	332	337	323	325	342	357	373	382	390	389	361
15	397	385	384	388	384	383	382	383	380	378	374	369	363	353	353	350	340	349	365	388	394	390	385	389	375
16	383	367	383	375	366	368	374	375	378	379	379	372	363	347	332	328	333	350	365	377	388	378	381	386	368
17	388	387	385	385	383	383	383	385	380	379	376	373	359	346	333	337	353	362	385	402	395	383	383	388	376
18	386	389	388	388	385	384	383	383	383	381	380	371	358	342	333	333	343	358	375	384	389	388	384	388	374
19 Q	389	390	390	388	389	388	387	386	386	382	380	373	356	348	347	353	366	380	390	392	386	385	384	389	379
20 Q	390	388	388	388	387	386	385	385	385	384	382	376	363	345	337	341	358	378	388	394	395	385	385	387	378
21 Q	390	390	390	388	389	386	388	388	385	384	381	372	359	349	345	348	354	369	383	390	394	391	389	400	379
22	397	394	389	390	395	389	389	389	392	384	384	373	361	347	327	322	342	353	373	385	388	386	383	378	376
23 Q	386	388	384	378	383	385	385	384	386	387	386	383	370	357	343	334	342	352	371	383	385	388	385	384	376
24	386	390	389	385	384	383	383	384	388	389	386	381	373	354	347	344	352	369	378	383	416	400	380	363	379
25 D	359	359	336	338	339	348	347	366	371	363	352	354	343	327	304	313	294	330	346	392	383	389	364	342	348
26	359	353	332	343	344	350	354	361	348	366	370	361	350	342	331	319	329	343	359	368	380	377	362	368	353
27 D	364	343	359	363	356	339	317	309	322	369	371	368	340	339	350	348	345	352	361	364	370	384	381	376	353
28	384	362	352	368	366	358	357	352	374	381	378	370	369	360	350	347	356	371	376	381	381	380	376	381	368
29	385	381	381	380	380	372	376	374	376	381	380	376	370	361	350	354	369	378	384	386	383	383	380	383	376
30	385	384	384	377	373	360	345	340	363	373	373	372	372	364	349	338	347	360	364	378	372	364	375	374	366
31																									
Mean	377	374	373	374	372	369	369	366	368	374	372	367	354	339	331	328	335	350	367	381	385	383	381	377	365

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt D = 7° W + ... ' September 1949

Day \ Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	20.3	22.2	21.6	21.1	19.3	18.9	18.3	16.4	14.3	15.2	15.0	14.0	15.0	16.1	17.2	22.7	27.6	30.1	33.8	27.1	25.6	22.7	21.7	23.1	20.8
2 D	21.9	18.2	15.8	17.7	15.5	30.0	25.2	13.0	15.6	16.5	16.0	14.0	12.1	11.0	16.3	26.7	33.9	33.8	32.9	32.2	29.1	25.9	22.9	20.7	21.5
3 D	19.8	14.0	11.6	03.4	01.9	18.0	21.8	38.9	11.8	11.0	29.2	31.6	28.0	30.7	23.1	28.0	29.4	34.3	30.1	25.2	22.5	20.7	20.7	21.3	22.0
4	20.9	17.2	19.1	21.6	22.1	24.3	21.6	25.8	19.4	15.5	18.2	14.8	14.1	16.0	20.5	25.4	29.6	30.1	29.5	27.7	22.1	21.3	21.1	20.7	21.6
5	16.6	17.4	19.1	20.1	20.7	20.9	22.5	23.4	19.2	19.3	16.8	16.3	12.6	12.5	17.7	22.2	29.4	32.8	32.1	30.1	26.1	23.1	21.1	19.9	21.3
6	20.1	19.8	20.7	20.6	20.9	19.4	20.1	18.6	16.3	17.5	17.0	21.3	12.7	14.6	19.5	26.7	32.5	34.8	34.1	30.8	25.2	21.8	19.4	19.8	21.9
7	21.2	21.2	20.8	18.7	21.9	20.8	20.0	19.3	22.1	14.6	13.6	12.2	14.3	16.6	20.2	26.2	31.5	33.3	30.7	29.0	25.6	22.2	18.6	17.5	21.3
8	19.4	21.0	21.0	21.0	20.9	18.7	20.2	18.1	15.9	16.8	17.6	10.2	08.8	10.1	13.1	20.8	29.0	34.4	33.3	32.3	31.1	25.8	22.0	21.1	21.0
9	18.5	17.6	19.3	21.1	20.5	21.0	21.0	20.1	19.2	19.2	17.6	14.2	11.1	12.1	15.6	22.6	29.3	33.1	34.6	30.9	26.5	22.6	20.8	21.4	21.2
10 Q	21.8	21.1	21.1	21.1	21.0	21.2	19.9	19.2	18.6	18.4	17.2	14.5	12.2	12.3	15.5	19.4	24.5	28.1	29.3	28.4	25.6	22.7	21.9	22.9	20.7
11	21.3	19.5	19.6	19.6	15.4	19.6	25.6	17.8	17.4	16.0	19.4	14.2	14.6	15.4	19.2	24.7	28.3	30.3	31.3	27.4	24.7	22.2	18.9	18.7	20.9
12 D	19.3	18.1	17.4	17.0	17.5	16.7	16.5	10.1	21.7	19.2	22.9	26.6	21.2	29.5	31.7	31.3	31.0	34.6	30.4	29.9	25.7	21.2	19.3	18.6	22.8
13	18.7	19.2	09.9	19.0	19.4	19.2	19.5	22.3	26.5	18.3	17.2	15.6	13.8	12.8	17.3	22.3	26.2	28.8	29.6	27.8	26.3	24.4	21.7	22.0	20.8
14	22.3	21.3	21.2	21.2	21.0	17.7	17.1	18.1	19.2	18.3	16.9	16.5	17.1	23.5	28.7	24.8	25.3	30.1	32.9	31.0	28.0	24.8	22.3	22.2	22.6
15	22.1	23.2	21.3	20.4	20.2	19.7	18.7	18.2	17.3	16.4	15.5	13.2	12.2	12.3	16.1	20.5	22.9	30.1	30.1	27.2	24.7	23.0	22.3	22.0	20.4
16	21.4	18.1	20.3	18.4	18.3	20.8	20.8	19.5	18.7	17.4	16.5	14.7	14.2	15.1	17.9	21.4	25.5	28.3	27.2	25.6	23.0	21.3	21.5	22.0	20.3
17	21.4	21.5	21.1	20.5	20.2	19.5	19.1	18.2	16.7	16.5	16.1	15.1	13.7	15.4	18.2	23.7	25.5	28.7	27.5	25.7	23.0	21.1	22.1	22.8	20.6
18	18.2	20.5	21.9	21.1	21.0	20.1	19.4	18.7	18.2	17.3	16.8	14.9	14.6	16.1	19.2	23.9	26.5	28.1	28.1	25.6	22.9	21.4	21.8	21.7	20.8
19 Q	21.6	21.6	21.2	21.1	20.5	20.1	19.2	18.7	18.1	17.5	17.1	16.0	15.7	17.1	21.0	24.8	27.7	30.1	28.6	26.3	23.0	21.3	21.2	21.4	21.3
20 Q	21.2	21.1	21.2	21.1	20.3	20.0	19.5	18.7	18.3	17.8	16.5	15.3	14.3	15.3	18.6	23.2	26.0	27.3	26.4	24.4	22.3	21.2	21.7	22.3	20.6
21 Q	21.7	20.5	20.5	20.4	20.4	20.2	19.5	19.0	18.2	17.4	16.5	14.7	12.3	13.5	16.2	21.0	24.7	26.5	26.8	24.7	21.4	19.3	19.4	20.2	19.8
22	21.0	21.2	21.0	20.3	19.5	19.2	18.2	16.8	13.3	12.9	13.7	10.8	10.3	12.8	13.9	21.7	26.5	27.6	27.5	25.7	23.5	21.3	20.4	20.9	19.2
23 Q	21.1	21.2	20.9	20.2	21.2	20.2	19.5	19.4	18.0	15.7	15.3	13.5	11.4	12.5	15.6	20.1	24.2	26.5	25.5	23.9	23.0	21.7	20.5	20.5	19.6
24	21.2	21.2	21.0	19.2	18.1	18.7	18.2	17.9	18.2	16.2	16.4	15.3	13.8	12.6	18.6	21.1	24.6	25.6	27.3	28.1	27.3	26.2	22.6	17.9	20.3
25 D	24.1	23.0	19.8	10.8	18.4	16.7	13.9	19.2	19.4	24.2	26.2	21.9	19.6	19.2	21.0	24.7	32.9	37.2	33.2	27.2	22.2	25.5	24.0	24.4	22.9
26	19.9	15.5	11.1	13.8	15.3	12.6	16.4	19.9	24.8	20.2	15.7	15.1	15.9	18.2	21.0	21.7	25.1	27.9	28.9	27.4	24.7	22.6	21.0	21.1	19.8
27 D	23.2	15.9	21.2	19.5	13.8	13.9	15.8	14.3	10.5	12.0	13.2	14.1	18.4	19.9	19.6	21.3	23.6	24.8	25.7	24.5	23.8	23.5	22.7	21.7	19.1
28	21.5	15.5	19.3	22.0	20.2	20.8	21.1	23.4	16.2	14.1	14.8	15.5	16.5	17.9	19.2	20.4	23.4	25.5	24.8	23.4	22.5	22.4	22.8	22.6	20.2
29	22.0	20.2	22.5	22.4	21.1	21.0	19.6	17.4	16.4	16.1	15.6	14.3	13.3	15.5	16.2	20.2	23.2	25.8	26.2	25.2	23.2	22.4	22.3	22.2	20.2
30	21.8	21.5	21.3	19.0	21.0	20.3	21.7	25.7	09.2	13.5	17.3	18.3	16.1	18.0	17.8	23.0	26.5	28.3	27.3	25.6	24.2	22.9	21.9	21.8	21.0
31																									
Mean	20.9	19.7	19.5	19.2	19.0	19.7	19.7	19.5	17.7	16.7	17.3	16.0	14.7	16.1	18.9	23.2	27.3	29.9	29.5	27.3	24.7	22.6	21.3	21.2	20.9

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 35 Agincourt — Z = 56,000 γ + — September 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	237	233	230	227	225	225	180	194	215	224	223	226	219	215	219	223	230	242	244	250	259	259	242	228
2 D	236	235	230	212	210	180	142	213	236	235	236	234	232	233	230	236	240	252	266	286	301	294	274	273	238
3 D	292	296	274	189	159	133	230	053	168	230	225	236	230	238	242	242	242	255	259	267	259	255	249	248	228
4	248	245	213	210	210	221	224	213	207	210	220	226	238	239	240	240	240	245	253	254	266	256	245	248	234
5	245	236	242	238	239	236	230	223	226	230	230	233	236	229	230	230	233	242	242	242	246	245	245	242	236
6	239	239	237	236	236	229	212	224	219	214	219	207	213	218	223	230	237	241	242	242	242	246	243	236	230
7	235	234	232	229	228	230	230	230	218	221	230	232	233	231	231	228	230	233	236	245	250	254	254	250	235
8	253	248	242	238	237	235	230	196	222	229	226	220	227	229	227	224	222	230	239	248	248	248	248	248	234
9	255	258	248	248	240	236	234	233	233	234	236	238	238	238	236	230	232	230	232	236	236	236	234	232	238
10 Q	233	231	230	229	230	230	230	229	230	230	230	233	233	228	230	229	224	227	227	236	245	245	251	254	233
11	256	253	248	240	227	233	213	222	225	219	219	225	226	220	220	224	230	236	242	250	256	254	253	253	235
12 D	250	248	248	242	239	227	168	159	157	165	125	136	155	183	215	247	255	251	260	277	284	279	269	265	221
13	269	264	253	203	229	232	232	225	210	229	238	242	242	242	245	242	242	238	242	243	243	245	249	251	240
14	242	240	236	236	236	224	225	238	235	239	232	227	227	221	222	224	233	237	243	248	245	244	243	242	235
15	242	239	236	235	236	236	236	236	234	232	234	237	239	236	239	239	242	245	243	238	237	239	238	239	238
16	239	242	242	243	242	245	242	238	238	238	237	236	239	242	239	239	243	242	243	246	250	249	242	239	242
17	237	233	233	232	232	233	233	230	230	232	233	235	233	236	236	238	237	236	238	242	244	242	242	242	236
18	236	232	232	232	230	230	230	230	230	230	230	230	227	226	226	224	225	227	231	235	236	233	231	232	230
19 Q	231	230	230	230	230	230	230	230	230	229	230	230	231	233	236	236	242	245	248	248	242	236	233	233	235
20 Q	232	230	229	227	229	230	230	230	229	227	230	232	233	235	238	235	236	236	239	239	238	236	230	230	232
21 Q	230	228	227	227	227	227	229	228	227	227	230	233	230	230	227	226	230	231	234	236	236	230	227	230	230
22	230	227	227	225	223	228	229	226	221	214	214	214	223	225	227	229	229	223	227	228	230	235	233	231	226
23 Q	230	230	227	230	232	230	230	228	227	224	227	230	231	230	230	225	227	230	230	232	230	230	230	229	229
24	229	229	227	225	223	228	224	227	224	224	227	230	230	226	226	223	219	220	219	222	235	242	255	289	230
25 D	286	311	301	216	230	213	230	236	238	218	168	163	167	190	213	222	234	242	256	286	296	281	281	271	239
26	253	252	235	245	225	218	230	225	197	194	220	230	230	230	230	229	230	237	248	252	249	256	266	260	235
27 D	260	263	253	246	230	208	171	098	112	188	218	219	221	233	236	224	222	224	229	230	232	238	238	237	218
28	238	252	252	248	242	230	212	194	222	230	230	232	236	233	233	232	229	227	226	227	227	231	232	235	231
29	235	231	231	236	239	242	239	236	233	227	230	232	230	230	227	223	223	226	230	230	230	230	230	232	231
30	230	230	230	230	232	230	208	163	212	229	227	230	226	225	226	229	232	236	243	253	269	254	246	243	230
31																									
Mean	245	244	239	230	228	225	221	210	216	222	223	224	226	227	230	230	233	236	240	245	249	248	246	245	233

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt — September 1949

Day	Horizontal Intensity						Declination							Vertical Intensity					
	Maximum 15,000 γ +			Minimum 15,000 γ +		Range	Maximum 7° West +			Minimum 7° West +			Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range
	h.	m.	γ	h.	m.	γ	γ	h.	m.	′	h.	m.	′	′	h.	m.	γ	h.	m.	γ	γ
1	20	52	421	15	17	302	119	18	13	38.3	12	40	11.9	26.4	21	45	271	07	43	157	114
2 D	19	46	393	15	27	284	109	17	23	42.6	13	03	7.2	35.4	20	55	302	06	35	124	178
3 D	20	03	413	07	47	63	350	07	50	52.9	02	53	-9.5	62.4	01	03	325	07	35	-99	424
4	02	15	401	14	30	307	94	18	08	30.3	02	23	10.2	20.1	20	25	272	02	25	194	78
5	22	26	386	15	23	295	91	17	47	33.7	00	55	10.1	23.6	00	47	250	07	45	220	30
6	05	22	388	15	38	302	86	17	38	36.3	12	50	11.0	25.3	21	50	248	11	26	201	47
7	21	47	383	15	00	309	74	17	31	34.0	11	50	11.3	22.7	22	38	258	09	06	210	48
8	21	53	421	15	33	309	112	17	33	35.2	12	45	8.0	27.2	21	54	259	07	10	186	73
9	20	35	390	15	37	316	74	18	23	35.6	12	30	10.4	25.2	01	15	262	17	56	226	36
10 Q	20	22	404	15	16	330	74	18	24	29.9	13	25	11.2	18.7	23	33	256	16	38	223	33
11	19	35	422	14	35	327	95	18	54	34.0	11	50	11.5	22.5	00	24	259	06	28	206	53
12 D	06	54	377	13	18	230	147	17	27	36.8	08	00	5.5	31.3	20	19	288	06	43	98	190
13	23	10	388	15	15	307	81	08	10	31.3	02	42	-0.1	31.4	00	05	272	03	33	189	83
14	23	06	405	13	18	289	116	18	04	33.6	12	45	14.0	19.6	19	15	249	05	41	207	42
15	21	35	404	16	30	328	76	17	58	31.9	13	50	9.7	22.2	18	04	249	09	25	230	19
16	21	07	397	15	13	312	85	17	06	28.5	13	30	12.0	16.5	21	08	255	15	06	234	21
17	19	52	417	14	51	323	94	17	24	30.5	12	45	12.3	18.2	19	55	249	08	00	226	23
18	00	05	392	15	04	330	62	17	58	29.0	13	05	14.1	14.9	00	07	240	15	10	224	16
19 Q	19	08	395	14	03	344	51	17	10	30.3	12	55	15.5	14.8	18	38	248	02	30	229	19
20 Q	20	15	400	14	53	335	65	17	35	27.8	12	35	14.2	13.6	19	50	239	03	15	227	12
21 Q	23	03	405	14	48	343	62	17	58	27.3	12	55	11.7	15.6	20	13	238	14	55	225	13
22	04	23	399	15	20	316	83	17	40	28.2	12	20	8.4	19.8	21	28	236	11	06	208	28
23 Q	22	42	389	15	27	332	57	17	40	27.9	13	05	9.4	18.5	19	35	234	09	13	223	11
24	21	06	427	15	45	338	89	20	11	28.3	23	35	11.7	16.6	23	24	325	18	25	216	109
25 D	19	48	414	16	41	282	132	16	58	40.4	03	03	-20.8	61.2	01	50	330	12	09	157	173
26	21	00	390	02	46	311	79	18	28	29.3	02	35	9.0	20.3	22	25	267	08	57	177	90
27 D	21	15	402	07	37	268	134	00	53	27.3	01	45	6.0	21.3	01	28	281	07	54	75	206
28	00	26	389	07	10	325	64	07	05	27.7	01	50	-1.0	28.7	01	32	272	07	12	177	95
29	19	18	390	14	35	346	44	18	41	27.1	12	35	12.3	14.8	05	23	242	16	00	221	21
30	19	40	392	07	25	329	63	07	11	31.1	08	35	5.9	25.2	20	45	278	08	01	150	128
31																					
Mean			400			305	95			32.6			8.1	24.5			265			185	80
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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	364	373	374	372	378	376	372	366	374	381	383	374	364	349	336	329	331	339	361	374	380	383	380	380	366
2	378	383	384	365	368	370	372	371	380	380	380	378	371	358	340	338	341	353	366	381	380	379	378	378	370
3 Q	379	379	381	383	381	381	383	383	381	381	384	381	369	359	350	340	350	368	381	389	397	386	376	383	376
4	383	384	388	381	384	379	384	380	386	384	389	389	370	346	380	354	344	348	353	350	359	371	363	367	371
5	356	340	355	344	336	337	330	346	356	373	380	379	366	350	342	335	345	368	375	375	365	366	367	372	357
6	374	379	376	377	378	379	380	386	369	376	390	389	366	372	365	340	358	390	385	392	383	366	367	355	375
7 D	353	377	361	337	364	334	314	319	290	305	306	289	307	303	267	268	250	275	307	359	525	402	395	462	336
8 D	515	383	352	333	334	332	329	326	325	325	323	325	307	252	249	273	288	323	333	349	348	344	340	358	332
9	354	322	303	328	336	345	358	364	366	366	362	354	344	319	294	286	310	323	332	324	339	360	367	372	339
10	375	374	374	369	370	369	369	368	368	374	371	369	374	350	328	302	314	317	333	339	355	367	378	379	358
11	378	379	368	370	366	368	370	366	364	369	372	373	350	327	301	266	308	321	330	337	352	380	376	371	352
12	374	376	369	370	371	371	375	373	372	371	369	364	358	344	329	313	308	318	333	353	367	379	386	385	360
13	380	378	378	379	379	379	380	380	382	383	381	373	359	344	322	292	304	333	350	364	391	395	410	405	368
14 D	408	399	392	383	379	384	363	325	244	278	245	278	276	249	223	209	270	342	346	453	541	471	438	358	344
15 D	353	369	323	292	304	229	279	258	055	-067	-082	062	240	225	235	280	273	286	353	397	646	515	639	639	296
16 D	471	345	353	151	176	116	167	199	224	230	227	281	302	291	271	277	297	302	331	340	356	364	348	343	282
17	350	342	340	338	327	324	339	333	328	343	355	353	342	322	304	292	297	297	318	343	361	358	355	355	334
18 Q	357	357	359	361	360	355	359	354	357	357	376	366	349	322	318	313	314	328	340	348	353	357	360	362	349
19	363	365	366	366	366	366	367	365	370	353	369	357	343	355	343	325	319	335	348	351	359	354	359	353	355
20	340	344	345	347	347	347	352	358	360	363	364	361	345	340	329	325	327	333	325	333	335	365	354	350	345
21	355	364	362	345	352	345	346	363	364	369	365	359	348	338	333	314	310	323	335	342	349	354	365	369	349
22	365	361	365	370	370	370	371	376	370	366	369	364	353	348	329	318	321	330	351	368	369	372	362	346	358
23	347	349	348	351	353	360	360	360	364	364	362	376	370	347	326	313	317	329	334	340	347	351	350	353	349
24	350	345	326	314	336	343	344	354	353	367	364	360	353	344	328	314	313	320	330	346	358	363	370	368	344
25 Q	369	359	364	364	367	369	371	372	370	365	370	374	364	345	331	325	328	328	342	353	364	371	376	377	359
26 Q	375	370	372	374	375	373	371	371	369	375	372	370	365	354	341	336	339	348	355	357	368	383	385	384	366
27	382	382	379	372	361	377	386	397	395	397	398	394	369	343	344	360	343	345	341	366	410	377	393	416	376
28	376	386	329	337	319	332	272	291	277	306	331	325	334	321	329	335	341	335	350	355	360	363	370	373	335
29	363	357	360	361	362	346	345	358	360	354	350	352	346	355	339	329	320	326	342	359	371	366	367	376	353
30 Q	375	375	375	371	367	372	375	363	370	367	370	368	365	355	345	342	337	341	345	358	368	372	376	375	364
31	375	372	361	363	368	375	373	368	370	375	378	378	366	351	334	319	319	334	351	358	368	373	376	378	362
Mean	375	367	361	351	353	348	350	351	342	343	344	349	346	332	320	312	317	331	344	360	385	378	381	382	351

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt D = 7° W + ... ' October 1949

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		20.5	15.2	20.2	21.0	19.7	22.0	18.6	18.2	20.0	18.7	16.9	16.4	15.2	14.1	15.8	19.3	22.7	26.4	26.1	24.5	22.8	21.0	21.2	21.6	20.0
2		20.1	20.1	21.1	11.6	19.7	20.7	20.7	22.9	19.2	15.6	16.8	17.3	17.0	17.3	19.7	22.2	25.0	26.3	26.3	23.7	21.3	20.1	20.2	21.0	20.2
3	Q	21.1	21.2	21.1	21.1	21.0	20.3	19.3	19.1	19.0	18.7	19.3	18.5	16.1	16.8	18.0	20.3	23.6	25.4	25.3	23.7	22.1	21.4	21.8	21.1	20.7
4		21.1	21.0	19.4	19.4	19.2	19.0	16.1	15.8	14.2	13.7	16.1	19.6	19.8	24.6	24.0	21.4	22.7	25.4	26.9	27.1	24.7	21.7	20.9	22.2	20.7
5		20.7	16.2	19.5	17.2	15.0	16.3	22.3	12.7	11.8	18.1	18.6	21.6	16.4	16.0	18.7	25.1	30.4	29.8	28.0	25.8	23.4	21.4	20.1	20.9	20.2
6		20.3	20.0	20.1	20.5	20.8	20.9	23.2	18.0	12.3	19.8	18.1	17.2	21.9	21.0	19.1	25.2	35.3	33.6	29.8	26.1	23.4	23.4	21.8	18.0	22.1
7	D	09.8	13.1	21.6	20.0	21.4	13.7	13.2	11.3	11.6	17.2	11.8	25.4	27.2	23.4	24.1	30.9	31.8	31.6	28.1	23.1	05.1	20.4	29.6	20.9	20.2
8	D	26.4	01.4	20.0	13.4	17.4	19.1	19.9	19.5	15.4	17.2	22.7	16.1	18.0	23.6	30.7	32.9	27.3	31.6	31.4	29.6	25.6	20.9	20.8	20.5	21.7
9		19.8	15.2	03.9	11.6	15.2	20.9	20.1	19.6	18.7	18.9	18.9	17.9	16.0	13.5	13.4	21.0	26.8	28.7	30.0	30.4	29.1	26.8	24.3	22.3	20.1
10		21.6	21.2	20.6	20.6	20.6	20.1	19.7	19.6	19.0	18.9	19.6	21.0	13.0	12.2	13.1	15.0	23.9	28.0	31.3	30.7	30.0	27.2	24.1	22.7	21.4
11		22.5	23.0	20.0	19.1	19.2	19.9	19.1	17.0	18.1	18.8	19.5	16.8	11.6	12.2	17.0	18.2	26.9	26.3	27.8	30.7	29.3	27.2	26.1	26.9	21.4
12		22.8	22.6	20.1	20.5	20.9	20.0	19.7	18.1	18.9	18.9	17.8	15.0	12.4	11.0	10.6	15.5	20.9	25.4	27.2	28.1	26.2	23.7	22.6	22.6	20.1
13		22.4	21.5	21.4	20.7	20.5	19.1	18.8	20.9	20.0	19.1	18.1	16.2	12.2	11.3	12.3	15.6	27.3	33.2	30.6	28.7	28.2	25.4	24.3	25.2	21.4
14	D	25.5	23.1	20.9	18.6	15.5	19.1	18.6	15.9	21.6	07.2	23.7	17.6	16.8	17.7	35.5	31.6	33.4	36.4	25.4	17.0	07.3	17.3	17.3	27.1	21.2
15	D	25.5	19.8	13.1	12.7	18.0	34.1	18.2	14.5	50.3	64.7	45.0	38.7	29.1	23.7	27.2	36.2	32.8	23.2	13.6	08.9	05.2	15.2	03.4	03.4	23.8
16	D	02.5	- 0.2	01.8	23.8	23.6	21.6	37.3	31.4	23.2	44.1	26.3	30.0	22.8	21.0	23.1	20.7	25.2	28.9	26.1	26.1	25.0	19.1	21.9	21.3	22.8
17		15.0	19.8	18.2	20.0	19.1	20.4	20.8	22.7	24.5	22.5	18.1	18.0	16.0	13.2	15.2	19.1	24.4	28.0	32.7	31.8	27.2	24.4	23.1	23.3	21.6
18	Q	20.9	19.1	21.0	22.2	21.6	21.6	20.9	21.9	18.5	22.7	25.0	21.6	21.0	19.6	23.9	25.5	30.7	30.7	28.0	26.1	24.1	22.5	21.6	21.4	23.0
19		21.6	21.6	21.5	21.0	20.9	20.9	19.8	16.6	16.4	16.3	25.4	25.9	27.7	24.6	21.0	24.5	28.7	29.5	27.6	25.4	23.3	21.4	20.8	20.8	22.6
20		19.8	20.5	20.4	19.1	19.1	20.1	18.1	18.2	18.4	19.1	19.1	19.0	21.3	20.9	16.8	21.1	23.1	25.4	26.4	28.0	26.8	24.6	23.7	22.8	21.3
21		20.9	21.4	21.1	11.0	17.0	16.3	15.5	18.7	18.7	20.1	17.9	22.5	18.5	17.6	18.5	19.4	25.4	28.9	28.0	26.3	24.6	23.1	21.9	21.6	20.6
22		21.2	22.0	21.4	21.0	21.1	21.1	21.5	21.9	17.9	14.7	12.1	13.9	22.0	20.2	22.7	18.1	21.9	25.7	28.3	29.1	27.2	26.2	22.9	24.2	21.6
23		20.4	20.6	19.2	20.1	20.1	21.1	21.1	21.5	21.0	18.3	22.9	24.4	17.4	13.1	14.6	16.9	25.3	26.4	29.3	33.3	29.9	27.0	24.6	22.7	22.2
24		20.5	18.5	07.3	05.8	15.1	19.7	24.6	24.7	24.4	19.7	19.9	20.1	17.5	16.3	15.7	19.2	23.4	26.5	28.3	27.8	26.5	24.6	21.5	21.9	20.4
25	Q	21.6	19.5	17.6	19.9	19.9	21.0	20.8	21.2	20.1	23.5	22.6	20.6	18.1	14.1	15.3	19.1	22.6	24.9	26.6	26.8	26.0	24.0	22.7	21.5	21.2
26	Q	21.4	21.0	21.3	20.1	19.7	20.1	20.2	20.9	19.2	20.1	18.7	19.2	16.2	14.7	15.5	19.0	23.7	26.4	28.3	29.1	27.0	24.6	22.8	21.9	21.3
27		21.0	20.1	20.2	19.4	19.0	15.1	15.5	16.6	17.2	16.9	16.3	15.7	12.8	12.8	15.3	19.6	22.0	26.0	27.2	30.2	27.0	27.0	26.4	30.6	20.4
28		24.8	19.7	12.0	19.1	08.8	32.8	14.2	13.5	22.0	22.6	16.1	22.0	17.9	16.9	22.6	24.2	25.5	28.2	29.9	29.7	27.4	25.5	24.6	25.2	21.9
29		25.5	18.8	18.8	18.7	18.1	15.2	18.1	16.8	14.5	12.8	14.2	16.2	15.0	17.1	19.2	22.1	24.7	27.3	28.0	27.0	25.6	24.6	22.1	21.5	20.1
30	Q	21.0	20.2	20.0	19.9	18.3	21.5	22.4	22.3	19.7	16.4	15.6	16.4	17.9	15.5	17.3	19.5	22.0	24.8	27.0	27.3	26.5	24.4	23.7	23.4	21.0
31		23.9	19.3	16.2	18.0	19.1	20.0	19.6	18.8	21.1	20.2	17.5	17.4	15.6	13.8	13.4	16.2	21.2	25.6	27.4	27.1	25.6	24.2	22.0	20.9	20.2
Mean		20.7	18.6	18.1	18.2	18.8	20.4	19.9	19.1	19.5	20.5	19.7	19.9	18.1	17.0	19.0	21.7	25.8	27.9	27.6	26.7	24.0	23.2	21.9	22.0	21.1

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 39 Agincourt — Z = 56,000 γ + — October 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	252	242	239	237	233	220	218	225	226	227	229	235	236	233	233	234	239	242	242	240	242	238	238	236	235
2	236	236	232	223	226	230	230	226	227	227	233	232	234	237	245	241	236	236	232	236	236	239	238	238	234
3 Q	237	235	236	231	233	233	232	231	231	230	231	233	233	231	230	226	226	230	227	227	230	230	233	235	231
4	236	235	239	248	242	236	226	219	197	220	229	230	223	219	209	210	213	216	226	234	238	243	245	245	228
5	249	262	250	239	236	226	186	181	199	203	215	215	227	233	232	225	222	230	236	237	240	242	242	239	228
6	239	237	236	234	233	227	216	213	195	206	217	215	213	207	201	202	225	233	234	242	248	245	250	266	226
7 D	264	239	267	272	195	212	178	171	130	131	148	162	139	178	183	213	230	269	328	371	406	319	343	431	241
8 D	456	415	348	295	248	256	242	214	221	232	226	236	231	223	230	227	257	266	261	268	266	265	255	259	266
9	260	268	227	250	247	226	220	239	242	242	245	248	248	242	238	242	239	242	246	245	248	250	248	244	244
10	245	243	242	239	239	240	239	239	238	236	230	223	236	233	227	225	233	236	242	243	245	245	242	242	238
11	242	239	230	244	244	242	228	227	236	237	240	243	239	242	236	242	247	248	246	245	248	259	253	262	242
12	262	266	256	248	245	242	239	236	230	226	235	239	242	239	239	235	238	243	243	248	245	243	242	239	242
13	242	238	237	236	236	233	230	231	231	236	236	238	239	236	232	228	236	238	243	248	253	243	242	245	238
14 D	255	286	295	289	262	246	236	222	125	150	074	076	107	162	180	209	315	304	321	393	352	349	365	359	247
15 D	360	402	363	240	256	190	219	193	075	-226	-127	023	115	194	267	289	298	322	389	393	361	376	453	096	230
16 D	325	374	378	267	227	209	218	163	183	167	162	233	228	254	262	274	288	278	285	275	284	284	273	279	257
17	272	267	266	262	254	249	240	236	219	225	248	252	251	252	253	254	261	268	278	266	260	259	260	255	254
18 Q	254	254	252	249	248	249	242	227	217	224	221	223	236	245	251	245	250	253	249	253	254	253	249	249	244
19	250	248	249	249	248	248	245	231	192	171	157	162	184	190	202	223	239	248	258	260	256	251	248	254	228
20	257	260	257	252	252	248	242	245	245	247	248	250	246	239	236	238	243	250	266	272	272	271	274	277	254
21	262	254	249	246	242	230	239	250	248	239	231	239	236	233	228	226	240	248	245	245	247	249	250	249	243
22	250	254	250	248	245	243	242	227	222	222	225	236	240	239	230	227	231	236	239	248	255	298	309	289	246
23	279	281	266	255	253	246	244	242	235	230	225	206	206	220	231	230	237	239	255	272	286	281	260	256	247
24	253	255	250	236	250	236	189	185	195	230	242	249	254	253	251	249	250	253	256	253	249	249	253	248	241
25 Q	248	248	245	248	246	242	239	239	242	239	238	238	242	242	239	239	244	243	248	248	245	248	246	243	243
26 Q	242	243	243	242	242	239	236	232	236	242	242	243	248	245	241	239	242	246	250	252	248	249	248	242	243
27	240	239	242	242	236	227	241	238	236	235	233	233	236	238	239	232	230	236	257	281	328	295	295	396	254
28	387	389	326	343	274	196	209	218	186	191	218	226	233	239	240	241	242	255	255	253	256	255	260	266	256
29	277	272	262	255	253	248	248	234	225	218	223	227	219	231	229	228	230	236	242	248	255	259	265	255	243
30 Q	249	245	246	245	247	242	212	201	216	236	239	242	248	242	236	235	242	248	254	256	256	254	252	256	242
31	265	266	254	256	249	248	243	242	239	236	242	248	248	248	242	234	233	239	242	243	245	248	246	245	246
Mean	269	271	262	252	243	234	228	222	211	204	208	218	223	230	232	234	244	249	258	264	266	264	267	261	242

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt — October 1949

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	00	387	17	15	304	83	17	17	29.1	01	15	8.5	20.6	01	07	256	06	00	210	46
2	02	30	388	14	06	333	55	18	33	27.2	03	45	8.4	18.8	14	20	245	03	54	213	32
3 Q	20	07	402	15	20	339	63	18	09	26.1	12	30	15.0	11.1	00	50	238	15	49	224	14
4	02	08	413	13	30	325	88	13	52	29.2	07	30	11.6	17.6	02	58	249	08	30	189	60
5	10	32	383	06	37	315	68	16	49	33.2	08	30	8.9	24.3	01	17	272	17	08	144	128
6	20	04	416	15	57	325	91	16	30	39.1	08	40	9.1	30.0	23	57	272	08	38	184	88
7 D	20	14	623	15	12	227	396	22	54	38.2	20	30	-13.9	52.1	20	18	554	08	18	84	470
8 D	00	43	749	14	12	226	523	00	37	61.3	01	24	-17.6	78.9	00	55	555	07	40	208	347
9	22	40	374	15	40	278	96	19	03	30.7	02	05	-10.0	40.7	01	59	286	02	18	206	80
10	12	20	383	15	33	294	89	18	47	32.4	13	01	10.7	21.7	20	34	249	11	40	216	33
11	01	51	411	15	36	251	160	19	40	31.4	13	10	7.2	24.2	21	35	268	02	03	200	68
12	23	03	394	16	56	306	88	19	38	28.7	13	40	10.0	18.7	01	42	271	09	04	224	47
13	22	25	425	15	47	281	144	20	17	34.6	12	37	10.9	23.7	20	17	278	15	17	226	52
14 D	19	51	744	14	55	186	558	19	03	51.2	20	01	-23.9	75.1	19	50	503	10	54	24	479
15 D	21	58	862	08	17	-285	1147	09	20	120.5	21	50	-13.6	134.1	22	27	507	09	38	-381	888
16 D	00	38	484	03	33	-101	585	09	35	68.2	01	20	-9.5	77.7	01	22	419	09	31	35	384
17	21	07	372	15	56	283	89	18	38	34.5	00	18	3.4	31.1	18	35	280	09	07	209	71
18 Q	10	28	383	15	47	305	78	16	51	32.1	08	25	16.3	15.8	01	10	256	10	37	214	42
19	08	20	381	16	12	307	74	11	52	32.3	09	16	10.3	22.0	18	56	262	10	26	141	121
20	21	42	372	18	02	319	53	19	37	28.4	15	35	14.0	14.4	23	23	279	14	08	235	44
21	09	53	374	16	00	307	67	17	35	30.2	03	55	1.6	28.6	00	01	271	15	14	222	49
22	21	49	405	15	55	312	93	18	58	29.9	13	08	10.8	19.1	21	53	348	09	11	218	130
23	12	10	384	15	53	307	77	19	52	34.7	13	34	9.9	24.8	20	55	295	11	47	197	98
24	21	40	374	03	35	297	77	18	25	28.5	03	02	0.6	27.9	02	18	268	18	11	168	100
25 Q	23	12	380	15	35	323	57	19	47	27.2	02	15	12.5	14.7	19	42	248	11	02	233	15
26 Q	21	38	391	16	40	335	56	19	29	29.9	13	22	14.4	15.5	19	25	255	07	42	230	25
27	20	46	485	18	23	327	158	23	22	39.9	12	52	2.5	37.4	23	46	472	05	15	211	261
28	01	54	414	05	50	193	221	05	30	55.4	04	32	-2.7	58.1	01	55	481	05	34	112	369
29	00	01	392	17	15	318	74	00	08	31.5	10	08	10.1	21.4	00	32	286	08	49	210	76
30 Q	06	06	383	16	15	334	49	06	14	28.3	09	15	15.0	13.3	23	59	260	07	34	191	69
31	01	38	392	15	58	313	79	18	47	28.3	02	33	8.0	20.3	01	15	280	15	50	230	50
Mean			443			264	179			37.8			4.5	33.3			321			168	153
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 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	380	370	374	378	380	378	383	380	363	365	370	373	339	311	331	330	300	389	312	349	328	320	322	324	352
2 D	327	337	347	349	349	326	334	328	323	288	334	350	339	319	305	329	330	328	338	324	339	356	359	355	334
3	342	337	345	335	320	319	343	354	358	360	361	360	349	335	321	311	314	318	327	335	354	345	356	363	340
4	362	362	362	369	369	367	372	368	357	369	373	371	365	350	335	326	320	333	353	367	372	378	382	385	361
5	376	361	369	377	371	380	355	345	345	364	362	374	368	352	334	328	325	344	348	364	371	391	365	382	360
6	381	360	373	371	370	371	371	365	372	367	370	372	361	344	332	329	325	335	349	360	371	380	385	384	362
7 Q	386	382	382	381	378	376	378	381	383	382	382	383	379	362	348	336	338	347	363	373	382	386	381	387	373
8 Q	388	387	386	386	385	384	384	386	385	384	386	384	378	363	343	328	335	346	359	372	383	388	392	396	375
9	397	392	391	387	384	386	389	384	374	381	391	400	388	367	350	340	335	347	362	383	392	395	399	396	380
10	394	396	393	390	389	388	391	385	380	385	380	383	373	357	341	329	339	354	370	381	403	388	382	382	377
11	362	356	359	316	321	334	336	338	363	355	366	388	370	354	338	324	308	327	350	371	380	381	382	387	353
12	384	374	375	382	378	373	377	368	362	363	377	377	381	365	343	342	337	318	335	357	373	379	378	384	366
13	372	357	358	350	362	362	362	364	369	371	374	376	372	356	350	340	330	340	350	362	372	378	381	384	362
14	384	380	378	370	376	382	383	387	380	372	372	378	378	372	360	349	353	361	365	372	377	373	373	387	373
15	384	385	386	384	379	383	379	383	385	389	395	393	385	378	372	346	331	340	355	372	372	367	369	363	374
16	360	344	348	358	348	351	355	368	374	373	381	378	370	360	351	341	339	339	350	364	375	380	384	384	361
17 Q	388	387	385	384	387	388	389	390	393	394	393	389	384	373	356	348	348	352	363	376	391	397	402	399	382
18	399	399	400	393	390	392	391	390	388	384	385	378	382	373	375	372	370	374	380	392	400	406	414	406	389
19 D	401	390	387	382	384	385	392	392	393	388	390	399	392	379	347	333	344	351	337	356	380	373	393	414	378
20 D	400	368	337	336	325	256	230	262	329	329	362	367	363	341	295	340	347	331	332	344	362	371	368	370	336
21	376	368	359	360	359	360	368	368	363	364	370	369	361	345	319	316	315	347	362	361	350	363	367	368	356
22	368	368	366	366	365	365	366	367	371	373	373	369	363	352	336	329	336	341	355	361	367	373	377	377	362
23	367	374	378	375	375	379	379	383	383	383	383	382	372	361	348	335	338	350	360	362	371	377	378	376	370
24	374	364	363	362	355	355	337	362	366	367	371	371	362	352	359	342	350	361	371	379	382	381	384	386	365
25 Q	387	384	383	381	382	382	383	384	385	383	384	381	376	364	356	353	356	362	368	368	374	380	388	388	376
26 Q	387	387	388	387	386	386	387	387	387	388	386	386	383	379	371	359	352	361	374	387	398	408	397	392	383
27	382	376	372	374	370	375	369	367	377	390	385	383	390	379	369	352	341	355	370	375	377	380	382	385	374
28	383	377	377	381	382	377	383	378	383	385	385	385	383	373	359	351	347	352	362	375	383	390	395	398	377
29	384	371	353	362	356	355	340	347	365	376	377	395	402	388	364	342	334	331	352	350	353	368	378	362	363
30 D	356	356	358	354	360	346	293	341	337	352	362	352	354	336	305	312	318	337	355	353	341	353	364	377	345
31																									
Mean	378	372	371	369	368	365	363	367	370	371	376	378	372	358	344	337	335	346	354	365	372	377	379	381	365

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt D = 7° W + ... ' November 1949

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	20.3	15.8	17.1	19.3	20.2	20.2	21.1	17.5	13.9	16.1	12.9	15.4	21.1	31.8	36.6	29.3	25.4	27.4	27.0	27.9	29.8	24.3	21.5	20 2	22.2
2	D	20.2	21.2	23.6	23.1	23.2	27.3	26.1	26.9	28.2	34.0	24.8	23.9	24.9	28.7	30.9	32.9	26.3	27.9	30.0	30.6	30.0	25.7	26.6	22.5	26.6
3		18.2	19.1	19.3	19.1	16.6	16.1	19.8	19.3	19.1	19.2	20.0	18.9	17.2	16.3	18.3	20.7	24.7	27.3	28.0	27.2	26.5	22.0	22.7	22.0	20.7
4		21.1	20.3	20.3	19.8	22.1	23.0	22.0	20.7	24.3	22.5	17.7	16.3	16.5	14.6	15.6	19.1	23.8	26.2	28.3	27.6	24.8	23.4	22.2	21.1	21.3
5		20.3	16.2	17.5	19.8	19.3	15.2	16.5	19.7	26.3	17.9	20.9	18.4	17.5	17.9	18.7	23.0	25.4	28.9	30.2	28.2	26.5	25.7	28.2	26.6	21.9
6		22.9	18.8	18.3	18.5	18.7	20.3	20.0	19.1	19.3	17.6	14.7	14.7	13.3	12.0	15.6	19.7	23.0	26.1	27.5	26.5	24.5	22.8	22.7	21.6	19.9
7	Q	21.1	20.3	20.6	19.9	19.9	20.2	19.3	19.3	18.9	18.0	17.2	17.1	15.2	13.6	15.1	19.3	23.8	27.1	28.4	28.3	25.4	23.0	22.4	21.1	20.6
8	Q	20.0	19.3	19.3	19.2	19.4	19.8	19.3	18.9	18.0	17.5	17.6	17.4	17.1	15.8	16.5	20.0	24.6	27.5	28.0	25.9	24.3	22.9	21.9	20.2	20.4
9		19.8	19.1	19.1	19.3	19.6	19.1	18.4	17.8	11.5	12.5	14.5	13.9	13.6	13.4	14.3	18.3	22.2	25.6	28.2	28.0	26.4	23.4	22.0	21.1	19.3
10		20.1	19.2	19.0	18.8	18.9	19.4	19.9	18.1	23.0	16.1	12.8	14.1	14.6	11.8	14.0	15.6	19.8	24.4	26.3	25.3	25.7	26.6	23.9	21.0	19.5
11		16.7	14.5	17.1	08.9	26.4	27.2	15.3	17.2	24.5	28.1	24.0	17.5	13.2	13.1	13.4	19.4	24.9	26.8	28.5	28.5	25.4	23.1	21.8	20.8	20.7
12		19.8	18.5	19.4	19.2	19.1	20.3	19.4	18.3	20.7	25.3	17.2	18.2	16.3	15.5	17.8	19.4	21.4	26.8	32.1	30.0	27.2	26.6	26.4	22.6	21.5
13		26.6	17.6	20.0	11.2	16.5	19.2	19.3	21.0	20.7	20.7	20.7	18.4	17.9	19.8	19.4	22.6	25.5	27.5	29.0	27.4	25.5	23.9	22.2	21.6	21.4
14		21.0	20.9	21.0	18.3	16.6	20.3	20.3	20.1	19.7	15.7	15.5	16.4	16.6	14.4	19.1	23.5	28.5	28.1	27.0	26.6	25.2	25.7	23.7	21.7	21.1
15		20.8	19.4	19.9	19.8	20.1	20.4	19.4	19.9	19.9	19.8	19 2	17.3	16.2	13.9	16.6	17.0	24.3	30.3	29.9	28.3	27.4	26.3	25.4	21.9	21.4
16		22.7	29.0	17.6	17.3	17.4	15.5	17.2	17.3	17.5	20.2	21.0	19.9	17.3	16.4	17.3	19.2	21.9	23.7	24.5	24.4	23.6	22.6	21.9	21.2	20.3
17	Q	20.6	19.7	19.3	19.4	20.1	20.3	20.4	19.7	19.0	18.5	18.1	17.6	16.3	14.6	14.8	17.6	20.9	23.0	24.4	23.9	22.4	21.6	21.0	20.3	19.7
18		19.6	19.3	19.0	18.7	19.2	19.3	18.4	18.0	17.9	14.7	14.4	13.9	16.4	12.8	14.6	17.9	22.1	24.3	25.3	23.9	22.7	21.3	20.2	19.8	18.9
19	D	20.2	19.6	20.1	19.4	18.7	19.9	18.6	19.8	18.1	17.2	15.5	17.5	15.8	12.1	11.0	21.4	30.5	32.1	31.6	33.0	27.5	26.0	24.0	22.6	21.4
20	D	16.4	15.7	14.6	19.0	17.8	19.3	25.2	46.4	27.4	23.9	23.7	22.2	18.5	19.3	28.3	27.9	21.9	24.4	27.5	28.3	26.2	24.3	23.5	22.8	23.5
21		20.4	21.0	18.4	19.4	21.3	21.6	22.2	21.1	20.4	22.0	20.0	18.9	17.3	15.5	16.7	21.1	24.5	27.5	27.2	31.7	32.2	24.9	22.6	21.4	22.1
22		20.5	20.9	21.2	21.4	21.5	21.7	21.4	21.3	20.8	20.4	19.4	19.3	18.6	18.1	18.5	21.7	25.0	26.7	26.7	25.8	24.3	22.5	22.0	19.9	21.6
23		17.3	17.6	19.8	20.0	20.4	24.0	23.2	20.3	19.5	19.3	18.8	18.6	17.8	17.1	17.9	20.4	24.4	27.5	27.3	26.7	26.4	25.8	24.0	24.5	21.6
24		23.2	19.3	18.9	17.6	17.6	17.8	17.6	18.1	17.9	17.8	19.3	18.6	16.5	16.5	18.5	22.1	25.4	26.9	25.9	23.7	22.3	22.2	21.4	20.8	20.3
25	Q	19.8	19.5	19.5	19.5	19.9	20.2	21.3	20.8	20.5	16.8	14.9	15.8	17.8	15.6	16.0	19.0	21.4	22.7	23.8	24.6	24.5	23.1	21.3	20.4	19.9
26	Q	19.5	19.2	19.1	19.1	19.3	19.5	19.3	19.3	20.5	19.3	17.7	18.6	16.9	16.7	16.4	19.1	21.4	23.9	24.7	23.6	22.2	21.1	20.5	20.8	19.9
27		20.5	19.0	17.7	17.4	18.1	18.5	16.8	22.9	16.8	15.8	15.2	19.5	18.8	16.1	17.2	20.0	24.3	26.7	25.8	24.2	24.0	23.6	22.2	21.4	20.1
28		20.5	19.5	18.5	19.1	19.8	19.3	21.8	21.7	20.4	18.6	18.5	18.1	17.1	15.9	15.8	17.4	19.6	22.3	24.3	24.4	24.0	22.6	21.3	21.1	20.1
29		22.0	15.8	19.3	19.5	19.4	13.8	21.8	24.5	18.1	17.1	20.4	27.6	24.5	22.3	19.6	22.2	27.3	30.4	29.4	30.3	31.8	24.5	24.9	23.2	22.9
30	D	18.7	17.5	17.9	17.4	17.4	16.4	17.1	35.6	13.3	21.2	16.4	25.6	51.2	36.0	28.6	33.7	33.7	30.0	26.8	28.7	27.3	23.2	23.9	23.3	25.0
31																										
Mean		20.4	19.1	19.1	18.6	19.4	19.8	19.9	21.4	19.9	19.4	18.1	18.4	18.4	17.3	18.4	21.4	24.3	26.6	27.5	27.1	25.9	23.8	22.9	21.6	21.2

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 43 Agincourt — Z = 56,000 γ + — November 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 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	242	242	242	242	242	238	230	216	222	230	227	235	226	225	220	231	248	274	305	343	331	301	278	268	252
2 D	266	260	255	253	248	229	124	172	181	159	156	193	207	213	226	239	253	262	273	280	271	269	281	348	234
3	371	315	298	272	219	252	266	261	256	253	252	253	255	253	251	251	256	260	261	263	266	275	271	262	266
4	258	255	252	242	236	240	238	243	233	230	236	241	242	239	239	236	242	253	253	249	248	245	244	240	243
5	245	247	245	242	236	212	189	187	199	218	229	233	235	233	230	235	242	250	260	257	254	260	265	266	236
6	277	282	265	252	250	248	245	242	239	236	232	239	243	239	239	236	236	242	247	248	248	242	242	242	246
7 Q	242	240	242	242	242	241	239	242	239	239	238	237	238	232	226	222	226	230	236	240	242	242	241	242	238
8 Q	241	239	240	241	251	239	240	240	238	238	238	239	241	243	242	236	237	242	245	249	249	245	242	239	241
9	239	236	237	237	236	236	236	227	233	237	240	236	236	234	233	230	234	236	239	245	248	242	237	238	237
10	238	236	236	236	236	236	233	230	212	200	216	224	230	236	236	233	227	230	231	236	242	242	243	248	232
11	257	254	244	216	198	159	198	219	200	217	213	230	236	236	233	230	235	255	255	254	248	245	245	243	230
12	242	239	245	243	242	237	213	218	220	207	215	232	236	232	233	236	232	242	254	274	273	266	261	271	240
13	275	277	266	256	243	244	243	242	238	242	242	242	242	241	237	239	242	250	249	250	248	245	243	242	247
14	242	242	242	242	242	243	239	233	218	188	219	229	238	238	231	230	239	243	245	250	254	251	252	252	238
15	253	251	248	242	239	239	238	238	238	236	235	233	236	236	235	227	236	245	251	257	260	262	265	263	244
16	273	266	262	260	250	254	243	232	233	242	240	243	245	242	237	238	238	240	243	243	245	243	242	240	246
17 Q	239	236	239	236	237	237	237	237	237	236	235	236	236	236	228	226	230	235	240	242	242	237	236	238	236
18	236	236	233	233	235	234	236	236	230	227	230	230	232	227	219	212	215	221	227	232	230	230	230	230	229
19 D	233	236	236	236	232	233	233	230	230	228	225	219	213	213	214	212	210	220	230	294	309	312	342	377	247
20 D	400	365	308	289	272	147	059	149	213	196	227	248	248	239	239	250	248	260	278	278	268	274	272	274	250
21	260	265	266	260	254	245	242	244	236	236	245	248	248	244	242	245	253	255	269	295	292	271	255	249	255
22	248	248	246	246	247	248	248	245	245	245	245	244	243	246	246	246	249	248	254	256	256	252	249	248	248
23	248	248	243	243	243	236	233	240	242	242	239	239	239	240	238	236	236	237	242	248	257	255	254	260	243
24	266	266	263	258	254	255	252	250	247	243	240	234	239	238	236	236	238	242	245	248	245	243	242	242	247
25 Q	242	242	238	239	239	239	236	236	230	230	232	232	233	236	232	230	233	238	242	239	239	242	241	238	237
26 Q	239	237	236	236	236	236	236	236	236	233	231	231	233	231	227	224	225	229	236	239	238	239	233	236	234
27	236	236	242	239	239	236	222	221	201	208	219	230	231	236	236	229	237	242	242	242	244	248	245	245	234
28	248	248	248	246	242	240	234	230	236	236	237	237	239	239	239	238	240	242	242	245	242	243	242	239	240
29	242	258	281	268	253	222	230	218	222	237	230	209	220	226	229	239	246	248	259	269	281	285	266	302	248
30 D	289	274	255	249	232	218	153	163	115	171	193	195	155	183	227	246	254	262	273	272	280	286	274	271	229
31																									
Mean	260	256	252	247	241	232	222	226	224	225	229	232	233	234	233	234	238	244	251	258	258	256	254	258	242

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt — November 1949

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	06	57	387	17	32	274	113	14	56	38.7	10	20	9.2	29.5	20	00	357	07	51	210	147
2 D	23	37	381	09	48	255	126	15	00	36.5	23	47	9.3	27.2	23	40	424	06	36	80	344
3	23	10	366	04	18	295	71	00	08	33.4	04	54	7.4	26.0	00	16	407	04	10	154	253
4	23	15	387	16	14	318	69	18	57	29.0	14	00	12.7	16.3	00	01	261	09	03	224	37
5	21	24	401	15	55	311	90	22	17	32.0	06	39	11.6	20.4	22	35	270	07	45	177	93
6	00	08	392	16	44	325	67	18	54	28.2	13	07	11.2	17.0	01	28	295	10	22	230	65
7 Q	21	10	388	15	42	333	55	19	10	29.8	13	33	13.0	16.8	20	47	245	14	54	222	23
8 Q	23	38	397	15	26	328	69	18	00	28.3	13	33	15.5	12.8	20	07	251	10	15	236	15
9	22	35	404	16	17	333	71	18	57	29.8	08	55	10.7	19.1	20	16	250	07	56	220	30
10	20	30	411	16	02	296	115	21	38	29.2	13	43	9.2	20.0	23	59	253	09	40	192	61
11	11	28	396	03	52	280	116	09	43	35.2	03	10	2.6	32.6	00	27	262	05	22	103	159
12	23	59	408	17	34	312	96	18	23	33.6	23	34	12.1	21.5	23	35	286	09	44	198	88
13	00	01	408	16	38	322	86	18	13	29.4	03	48	6.4	23.0	00	43	289	15	05	236	53
14	23	48	393	15	54	346	47	16	53	30.7	13	19	13.1	17.6	23	50	255	09	20	177	78
15	10	50	397	16	25	324	73	18	03	31.6	13	42	13.4	18.2	21	56	267	15	15	226	41
16	22	28	389	01	43	308	81	01	32	47.3	02	42	12.8	34.5	01	55	292	08	00	225	67
17 Q	22	33	405	17	44	345	60	18	38	25.3	14	29	14.2	11.1	20	10	243	15	05	225	18
18	22	34	441	13	27	364	77	18	11	26.3	14	25	6.4	19.9	22	35	239	15	10	210	29
19 D	23	59	501	18	55	305	196	19	22	38.1	14	28	8.2	29.9	23	59	474	16	15	207	267
20 D	00	06	518	07	08	129	389	05	57	77.0	06	35	7.3	69.7	00	02	484	06	40	-3	487
21	00	37	419	16	28	297	122	19	41	34.7	00	38	11.3	23.4	19	38	321	09	04	226	95
22	22	08	378	15	08	325	53	17	51	27.6	13	33	16.7	10.9	19	30	259	15	06	242	17
23	09	55	388	15	55	327	61	05	56	28.6	00	55	15.3	13.3	23	59	265	05	58	225	40
24	23	58	388	15	27	341	47	17	20	27.2	04	50	14.4	12.8	01	10	267	15	25	233	34
25 Q	23	12	388	15	13	351	37	20	14	25.0	10	05	13.4	11.6	18	35	243	08	55	224	19
26 Q	21	43	413	16	40	351	62	17	48	24.9	14	10	15.2	9.7	20	33	242	15	30	224	18
27	09	38	398	16	00	337	61	17	04	27.8	10	00	13.3	14.5	20	58	249	08	24	195	54
28	23	36	403	16	39	346	57	18	48	24.8	14	25	15.0	9.8	02	17	248	07	03	227	21
29	11	30	412	17	12	325	87	01	18	34.0	05	50	10.2	23.8	23	25	310	11	24	189	121
30 D	11	24	394	06	38	267	127	12	26	57.7	06	10	10.8	46.9	00	08	318	08	35	84	234
31																					
Mean			405			312	93			33.4			11.4	22.0			294			194	100
No. days			30			30	30			30			30	30			30			30	30

HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 45 Agincourt H = 15,000 γ + December 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	361	366	371	368	365	355	361	357	342	371	377	373	369	363	355	345	344	347	355	366	371	378	381	383	364
2	383	384	383	381	377	377	376	376	374	371	372	373	368	361	357	349	345	357	364	373	380	388	390	391	373
3	393	389	386	390	389	390	390	393	394	392	393	395	387	374	372	355	350	352	369	383	387	393	390	386	383
4 D	389	384	378	383	386	383	383	374	376	378	384	385	379	369	364	353	348	352	373	369	365	369	385	386	375
5	385	388	386	380	378	383	377	379	381	383	385	389	386	373	350	337	336	345	364	379	384	383	385	393	375
6	394	394	393	392	388	385	386	381	385	387	389	388	380	375	370	361	352	357	372	383	384	388	394	394	382
7 Q	395	394	385	383	385	388	391	386	389	389	391	390	386	379	373	363	357	363	379	388	393	393	395	398	385
8	398	398	399	397	395	393	395	392	394	395	399	397	393	379	375	366	359	368	385	395	405	405	399	395	391
9 D	394	398	393	373	348	348	361	330	328	365	388	389	381	373	371	353	343	349	358	367	381	383	377	368	367
10	371	376	376	379	380	380	381	381	386	385	384	384	381	377	373	357	348	356	373	384	386	389	388	388	378
11 Q	388	391	392	389	389	389	393	394	391	390	390	389	388	379	366	349	345	353	372	385	393	395	394	399	383
12 Q	394	393	394	394	394	392	392	393	394	399	400	400	397	388	378	363	355	363	377	387	394	397	394	395	389
13 Q	394	389	384	380	385	388	386	393	398	400	400	400	395	388	376	364	356	358	366	373	384	394	401	401	386
14 D	399	396	391	388	389	389	385	385	374	381	389	397	402	386	374	360	364	369	373	384	392	401	399	396	386
15	394	387	379	384	385	383	384	382	385	388	386	391	394	389	380	372	363	367	378	383	396	402	402	409	386
16	408	395	374	388	388	383	389	392	389	388	388	389	393	389	381	371	370	379	381	386	389	399	399	397	388
17	397	398	389	384	380	389	389	385	388	389	388	389	386	381	370	358	355	368	380	386	391	390	393	393	384
18 Q	399	395	397	393	393	390	388	388	390	396	397	393	390	391	393	387	389	370	394	398	398	404	405	400	394
19	400	402	400	399	402	400	399	398	400	406	406	405	405	395	379	369	373	378	385	394	401	402	394	388	395
20	380	386	388	381	379	368	370	382	379	395	394	389	390	389	383	374	374	379	384	391	383	378	372	376	382
21	376	375	373	371	396	391	388	391	388	391	394	394	400	393	378	369	371	381	393	405	407	407	402	402	389
22	394	384	375	390	392	391	393	397	399	402	400	399	393	381	365	355	361	379	393	404	403	400	404	402	390
23	400	395	391	393	396	398	399	401	400	404	404	400	394	388	385	373	368	390	412	408	390	388	388	390	394
24	386	363	349	377	383	389	389	383	379	390	388	385	384	368	353	344	348	350	368	383	394	393	390	394	376
25	394	390	390	390	389	388	390	386	391	394	394	389	380	371	354	345	355	367	378	387	393	395	392	386	383
26	379	384	383	384	384	379	384	381	379	389	387	389	383	368	353	346	349	358	372	382	390	397	393	391	378
27	390	397	394	393	392	394	399	399	400	401	399	397	391	383	374	367	373	379	392	395	399	397	394	393	391
28	389	387	395	394	393	393	394	400	399	400	399	404	393	379	365	363	369	380	384	389	389	386	388	378	388
29	383	393	392	389	386	384	381	384	386	383	381	381	375	366	358	353	358	364	373	383	391	394	389	388	380
30 D	391	393	397	399	391	391	392	394	395	395	394	396	389	376	366	359	359	365	375	381	384	388	374	386	385
31 D	393	391	388	382	378	374	374	371	355	361	355	380	378	363	347	345	346	361	371	376	364	384	391	388	372
Mean	390	389	386	386	386	385	386	385	384	389	390	391	387	379	369	359	358	365	377	385	389	392	392	391	383

DECLINATION

Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt D = 7° W + ... ' December 1949

Day \ Hour U. T.		0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1		17.9	17.2	19.6	19.6	20.8	21.7	19.1	19.9	26.3	21.2	20.4	19.9	19.0	18.1	18.3	19.1	22.1	25.0	26.0	25.2	24.6	23.3	22.4	21.9	21.2
2		21.2	20.5	20.0	19.6	20.3	21.3	26.1	25.0	18.6	18.6	21.4	20.3	18.6	17.8	18.7	20.9	23.8	25.9	26.4	25.0	23.2	23.2	23.0	22.3	21.7
3		21.7	21.4	20.9	20.0	20.5	20.6	20.8	20.6	19.8	19.0	18.6	17.7	16.5	22.3	17.8	21.4	24.1	25.9	26.5	25.7	24.3	24.4	22.6	21.9	21.5
4	D	19.8	17.8	17.5	19.9	20.0	19.6	19.1	14.1	14.6	15.5	16.5	16.5	16.8	16.8	16.5	19.6	23.6	26.5	27.6	27.7	30.5	27.1	23.3	22.4	20.7
5		20.6	19.2	19.6	19.2	17.9	18.6	18.6	19.7	19.6	18.5	19.2	18.7	17.4	16.4	16.9	20.1	24.1	26.2	24.6	23.6	23.2	23.3	21.9	20.5	20.3
6		20.6	18.2	18.6	19.1	19.1	19.6	24.6	19.2	17.6	17.4	17.7	17.7	21.0	18.6	16.6	18.6	20.5	22.6	23.3	22.9	22.9	21.7	20.6	20.5	20.0
7	Q	19.7	19.6	18.1	17.7	19.6	19.2	19.6	19.6	19.6	19.6	19.1	18.7	18.1	16.9	16.5	19.1	21.1	22.8	24.2	24.2	23.3	22.3	21.0	20.1	20.0
8		19.6	18.8	18.7	19.0	19.0	19.1	19.4	19.4	18.7	18.1	18.1	17.8	17.7	14.6	17.3	19.2	21.4	23.7	24.6	25.0	23.6	21.7	21.3	20.1	19.8
9	D	20.4	19.0	19.2	11.7	07.8	11.5	17.3	15.1	16.3	11.6	16.4	18.2	19.6	18.9	21.6	21.0	21.4	23.7	24.1	23.2	23.2	23.1	23.2	21.6	18.7
10		20.5	18.7	18.8	18.9	19.6	20.6	21.9	22.5	20.3	19.6	19.1	19.9	18.2	16.0	15.2	18.5	22.4	24.1	24.6	23.9	23.9	22.7	21.5	20.1	20.5
11	Q	19.2	19.1	19.7	19.7	20.5	20.5	20.6	20.4	19.7	18.6	18.7	18.6	17.8	16.1	16.0	18.1	21.1	23.3	24.3	23.8	23.3	21.9	20.9	20.6	20.8
12	Q	19.9	19.4	19.4	19.7	19.7	20.7	20.6	20.7	20.4	19.7	19.1	18.7	17.3	15.6	15.6	18.9	22.5	26.0	27.2	26.4	25.2	23.4	21.7	20.2	20.7
13	Q	19.6	18.8	18.8	19.7	20.1	19.7	20.7	21.3	20.2	19.3	19.5	19.2	17.9	15.9	15.2	17.6	21.0	23.2	24.0	24.6	24.0	22.4	21.5	21.3	20.2
14	D	19.9	19.2	17.8	17.4	17.6	18.7	21.9	17.7	14.2	15.6	16.1	18.2	17.9	12.5	17.4	20.6	25.2	23.8	23.3	25.1	23.3	22.4	21.3	20.5	19.5
15		20.8	18.3	17.4	15.8	16.6	18.6	18.7	19.1	19.0	19.1	20.6	18.7	17.1	14.6	15.3	18.7	21.0	22.4	23.4	24.2	24.2	22.8	21.0	21.5	19.6
16		21.0	23.5	20.1	17.8	17.9	18.8	18.9	20.0	18.4	18.7	18.7	18.0	17.6	15.9	15.6	18.7	21.5	22.4	23.0	23.7	22.5	21.9	21.6	20.1	19.8
17		19.8	20.1	19.8	19.2	16.5	17.9	19.0	18.0	19.8	19.4	18.9	18.4	18.1	17.0	16.7	17.7	21.2	22.9	22.8	22.6	22.6	21.9	21.6	20.8	19.8
18	Q	21.4	19.1	18.1	18.8	18.4	18.8	18.8	19.2	19.3	19.6	19.0	18.8	18.6	17.3	16.4	19.1	21.1	21.2	20.3	21.6	21.7	21.8	20.5	19.8	19.6
19		19.5	19.2	19.5	19.6	19.8	19.8	18.8	18.7	18.4	18.4	17.8	17.2	15.7	16.2	15.7	19.8	22.3	23.4	24.1	23.4	22.0	20.8	21.2	21.8	19.8
20		22.1	20.8	19.8	19.3	19.1	18.0	19.2	18.3	17.0	21.4	18.9	18.8	18.0	17.6	17.9	20.1	22.5	24.1	24.9	26.2	25.3	25.5	23.4	20.8	20.8
21		19.8	19.9	20.1	19.4	14.0	22.6	18.9	17.9	16.7	19.0	19.6	19.9	18.0	16.7	17.5	19.5	21.7	23.5	23.5	21.7	20.6	20.4	20.5	20.2	19.7
22		20.0	19.9	20.8	13.5	21.2	19.9	20.2	19.6	19.1	19.7	19.8	20.1	19.0	17.0	17.2	20.0	22.9	24.9	24.0	22.4	21.7	21.2	20.8	20.8	20.2
23		20.4	20.9	20.8	19.8	19.8	20.7	20.0	19.9	19.7	20.5	19.2	18.2	17.1	18.0	18.0	19.0	25.0	29.0	26.3	22.6	21.7	20.8	20.1	19.4	20.7
24		20.0	16.8	12.6	09.8	14.4	13.1	21.2	20.6	25.3	23.9	17.7	16.3	16.6	15.7	17.6	20.8	23.5	27.1	28.0	24.1	21.8	20.5	19.9	19.5	19.5
25		19.2	17.2	16.2	20.8	21.2	21.1	21.3	22.7	20.4	18.9	17.9	18.6	18.0	15.9	18.1	21.6	26.0	26.5	24.1	23.6	21.5	21.0	20.9	20.7	20.6
26		19.5	18.8	19.5	20.0	20.1	19.6	20.9	18.2	19.5	18.3	17.3	17.6	17.6	16.9	17.6	21.1	23.4	24.0	24.2	23.7	21.4	20.9	21.0	21.0	20.1
27		19.0	20.0	20.5	20.3	20.3	19.8	20.0	19.8	19.5	19.4	19.3	18.9	17.5	17.5	20.0	21.4	22.7	23.9	23.2	21.9	21.3	21.0	20.3	20.0	20.3
28		20.0	19.1	20.8	20.2	20.0	19.5	20.1	19.4	21.3	16.4	15.5	16.7	18.1	18.2	19.5	21.9	24.1	26.3	27.5	26.5	25.5	25.5	24.0	23.2	21.2
29		21.0	19.9	19.2	22.2	20.8	19.4	18.3	19.1	18.8	19.1	19.1	18.5	17.8	17.4	19.1	21.9	23.7	25.1	24.6	22.8	21.0	21.2	21.7	21.1	20.5
30	D	20.8	21.0	20.1	21.0	20.9	18.7	18.3	18.3	18.7	18.5	18.7	18.3	17.3	16.5	17.6	19.6	21.9	25.5	28.5	27.1	25.8	25.0	25.6	20.1	21.0
31	D	19.0	19.2	18.8	20.5	20.5	18.2	18.2	17.1	14.6	11.8	11.0	16.2	16.0	16.4	19.1	20.8	24.1	24.8	24.1	26.8	26.5	23.3	20.8	20.2	19.5
Mean		20.1	19.4	19.1	18.7	18.8	19.2	20.0	19.4	19.1	18.8	18.4	18.4	17.8	16.8	17.4	19.8	22.7	24.6	24.8	24.2	23.4	22.6	21.7	20.8	20.3

VERTICAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 47 Agincourt $Z = 56,000\ \gamma +$ December 1949

Day \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	266	256	252	253	249	242	238	219	183	222	244	248	250	251	249	248	249	248	250	252	250	249	248	248	244
2	244	243	243	243	245	244	230	221	233	239	237	237	242	243	245	240	242	243	249	252	248	248	245	245	242
3	243	242	243	242	242	242	239	239	239	239	238	237	236	231	224	226	227	233	242	245	247	245	245	248	239
4 D	252	249	250	248	242	242	236	222	227	236	239	239	240	242	236	226	227	233	242	245	253	254	260	254	241
5	255	248	242	239	236	238	239	244	245	242	239	242	239	233	227	229	233	242	242	243	244	242	244	243	240
6	245	238	243	239	238	236	218	230	231	230	236	234	235	236	233	236	239	245	248	248	250	251	250	250	239
7 Q	249	249	250	251	256	252	251	248	248	248	246	248	249	250	249	241	242	244	248	248	248	248	248	249	248
8	248	247	247	248	247	245	245	245	245	245	245	243	245	248	245	239	239	245	248	248	249	249	248	248	246
9 D	248	245	247	245	225	221	238	189	160	180	224	242	248	250	243	236	243	250	253	256	257	256	256	260	236
10	263	260	254	253	249	249	246	242	246	248	248	248	249	249	242	238	246	252	254	256	251	250	254	250	250
11 Q	249	249	248	245	245	247	245	243	245	244	245	245	248	249	241	239	242	245	253	248	249	249	248	248	246
12 Q	246	245	245	244	242	243	244	245	244	245	242	243	242	243	240	233	236	243	249	248	245	246	250	245	244
13 Q	245	245	245	244	243	240	242	242	242	242	242	242	243	244	243	239	238	242	242	242	248	249	245	245	243
14 D	245	248	252	251	249	247	230	215	238	243	243	239	233	236	238	230	239	242	244	248	248	248	245	248	242
15	249	260	265	259	253	251	248	248	248	246	245	245	248	243	236	239	240	245	243	244	248	249	249	249	248
16	249	254	274	259	251	251	249	249	246	245	245	245	245	243	235	232	239	242	245	248	248	245	243	245	247
17	245	243	243	248	248	243	248	245	248	245	245	245	245	248	246	242	242	248	248	247	247	248	243	244	246
18 Q	245	245	245	245	246	243	243	243	243	245	243	243	243	242	236	230	239	243	242	239	242	245	243	242	242
19	243	243	242	243	242	239	239	239	239	239	237	236	236	233	226	230	236	238	237	236	242	240	238	242	238
20	246	246	245	245	241	238	238	232	225	204	219	239	242	242	242	243	242	239	239	242	243	251	254	254	240
21	250	249	246	243	222	218	235	232	230	236	236	239	240	241	239	239	239	242	243	240	230	236	238	242	238
22	239	242	244	233	233	241	242	242	240	239	239	239	242	242	240	238	236	240	245	243	239	239	239	240	240
23	239	240	241	242	240	240	240	239	236	234	233	234	236	236	234	234	238	242	243	239	233	236	242	242	238
24	242	245	256	248	238	233	240	239	207	190	219	236	242	242	240	241	245	248	251	251	250	245	244	245	239
25	244	243	240	239	241	241	239	239	238	236	238	238	242	238	237	239	242	242	243	248	247	245	243	247	241
26	248	248	247	245	244	244	241	239	236	233	239	242	243	240	242	240	244	248	250	250	248	245	242	245	243
27	243	243	242	241	240	242	242	242	241	241	239	239	240	238	236	235	233	238	242	242	243	242	242	242	240
28	242	242	242	240	242	240	241	236	230	224	227	226	230	233	233	230	231	232	237	248	249	249	261	257	238
29	256	253	253	249	249	249	246	245	244	243	243	242	243	238	236	242	244	249	251	252	249	248	248	248	247
30 D	246	245	245	243	246	245	245	243	243	242	240	239	239	238	236	239	241	244	246	249	250	255	260	257	245
31 D	256	251	252	254	252	251	250	245	215	210	219	233	238	245	245	245	248	249	251	255	257	255	255	253	245
Mean	248	247	248	246	243	242	241	237	233	234	238	240	242	242	239	237	239	243	246	247	247	247	247	248	242

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt — December 1949

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	34	383	08	27	322	61	08	32	33.2	05	45	14.1	19.1	00	01	266	08	27	166	100
2	23	59	393	16	42	344	49	06	54	30.5	13	35	17.5	13.0	19	35	252	06	57	213	39
3	21	10	399	16	45	340	59	18	43	27.2	14	55	15.0	12.2	19	47	251	14	59	219	32
4 D	04	08	390	16	12	342	48	20	26	30.9	07	25	11.6	19.3	22	17	263	07	23	216	47
5	23	59	398	16	08	330	68	17	55	27.7	12	45	13.5	14.2	00	03	261	14	22	225	36
6	01	24	418	16	25	346	72	06	34	28.0	14	25	13.4	14.6	19	53	254	15	55	177	77
7 Q	00	56	400	16	35	353	47	19	19	24.3	14	28	14.6	9.7	04	25	259	15	40	239	20
8	21	05	412	16	30	357	55	19	08	25.9	13	45	13.2	12.7	20	55	251	15	45	237	14
9 D	01	54	399	08	13	308	91	17	41	25.0	03	53	1.4	23.6	23	46	266	07	55	98	168
10	20	56	390	16	38	345	45	17	15	25.0	14	00	14.1	10.9	00	25	263	15	15	236	27
11 Q	23	28	399	16	28	343	56	18	05	24.3	13	47	15.5	8.8	18	35	254	15	00	236	18
12 Q	11	05	401	16	28	353	48	18	13	27.8	14	04	15.4	12.4	18	50	250	15	30	233	17
13 Q	22	50	403	16	02	355	48	19	26	24.7	14	22	14.4	10.3	21	28	249	15	40	237	12
14 D	12	11	412	15	38	343	69	16	25	27.8	13	35	10.6	17.2	03	35	254	07	20	204	50
15	23	25	410	16	25	361	49	20	28	24.6	13	54	13.7	10.9	02	50	269	14	33	236	33
16	00	15	408	02	17	359	49	02	03	29.6	14	03	13.8	15.8	03	25	282	14	50	230	52
17	01	20	402	16	22	353	49	20	12	23.5	05	03	12.7	10.8	03	43	250	05	17	236	14
18 Q	21	12	409	15	35	384	25	21	00	22.5	14	10	16.1	6.4	03	45	248	15	26	230	18
19	11	47	409	15	30	368	41	18	18	24.3	14	13	14.3	10.0	00	48	245	14	47	225	20
20	09	43	411	05	36	364	47	19	20	26.7	08	48	16.1	10.6	22	47	256	09	50	194	62
21	04	47	425	03	53	363	62	18	01	25.8	04	30	5.8	20.0	00	20	253	05	00	202	51
22	03	45	409	15	40	354	55	17	33	25.8	03	26	7.8	18.0	19	00	248	03	55	274	24
23	18	55	419	16	11	359	60	17	26	29.9	15	10	15.8	14.1	18	55	248	20	04	231	17
24	20	48	395	02	06	331	64	08	43	35.3	02	08	6.3	29.0	02	10	261	09	17	180	81
25	21	20	399	15	55	342	57	17	04	27.2	02	30	13.4	13.8	19	24	248	14	05	234	14
26	21	44	399	15	25	345	54	17	51	24.7	09	41	16.7	8.0	19	40	251	09	22	233	18
27	21	02	406	16	00	363	43	17	45	24.3	13	30	16.9	7.4	19	29	245	16	42	231	14
28	11	05	412	15	40	361	51	19	53	28.0	11	26	14.9	13.1	23	00	261	11	13	222	39
29	20	54	397	15	41	352	45	18	07	25.3	02	37	16.4	8.9	00	50	256	14	10	236	20
30 D	03	43	407	18	13	351	56	18	32	29.7	13	55	16.3	13.4	22	18	263	14	30	236	27
31 D	00	11	399	15	13	338	61	20	02	29.5	10	02	8.0	21.5	20	53	263	08	48	202	61
Mean			404			350	54			27.1			13.2	13.9			256			217	39
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 1949

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	+26	+4	-5	-4	-9	-8	-10	-12	+1	+4	+8	+9	+9	+8	-1	-15	-24	-23	-17	-7	+17	+22	+21	+17
February	+11	+10	+8	+1	+2	-2	0	-1	0	+8	+12	+13	+11	+4	-8	-23	-28	-28	-20	-8	+1	+9	+11	+13
March	+16	+16	+14	+5	-2	+1	-7	-1	-3	+2	+1	+5	+5	-3	-14	-28	-32	-28	-14	+1	+13	+18	+20	+18
April	+25	+17	+10	+5	+8	+9	+5	-1	-4	-7	-2	-1	-13	-21	-34	-40	-34	-19	-1	+13	+20	+21	+22	+26
May	+17	+8	+6	-6	-7	+3	+4	+5	-6	-12	-5	-9	-20	-36	-49	-41	-19	-2	+13	+25	+35	+34	+31	+29
June	+15	+7	0	0	0	-1	-2	-5	-8	-6	-8	-12	-18	-26	-32	-35	-27	-10	+11	+28	+36	+41	+36	+27
July	+9	+5	+5	+2	+2	+1	+2	+1	0	0	0	-3	-10	-20	-27	-31	-25	-11	+5	+16	+22	+22	+19	+13
August	+15	+14	+13	+4	-5	-6	-3	-12	-1	-5	-4	-1	-11	-27	-36	-31	-20	-4	+9	+22	+28	+28	+22	+20
September	+12	+9	+8	+9	+7	+4	+4	+1	+3	+9	+7	+2	-11	-26	-34	-37	-30	-15	+2	+16	+20	+18	+16	+12
October	+24	+16	+10	0	+2	-3	-1	0	-9	-8	-7	-2	-5	-19	-31	-39	-34	-20	-7	+9	+34	+27	+30	+31
November	+13	+7	+6	+4	+3	0	-2	+2	+5	+6	+11	+13	+7	-7	-21	-28	-30	-19	-11	0	+7	+12	+14	+16
December	+7	+6	+3	+3	+3	+2	+3	+2	+1	+6	+7	+8	+4	-4	-14	-24	-25	-18	-6	+2	+6	+9	+9	+8
Year	+15.8	+9.9	+6.5	+1.9	+0.3	0.0	-0.6	-1.8	-1.8	-0.2	+1.6	+1.8	-4.3	-14.8	-25.1	-31.0	-27.3	-16.4	-3.0	+9.8	+19.9	+21.8	+20.9	+19.2
Winter	+14.2	+6.8	+3.0	+1.0	-0.2	-2.0	-2.2	-2.2	+1.8	+6.0	+9.5	+10.8	+7.8	+0.2	-11.0	-22.5	-26.8	-22.0	-13.5	-3.2	+7.8	-13.0	+13.8	+13.5
Equinox	+19.2	+14.5	+10.5	+4.8	+3.8	+2.8	+0.2	-0.2	-3.2	-1.0	-0.2	+1.0	-6.0	-17.2	-28.2	-36.0	-32.5	-20.5	-5.0	+9.8	+21.8	+21.0	+22.0	+21.8
Summer	+14.0	+8.5	+6.0	0.0	-2.5	-0.8	+0.2	-2.8	-3.8	-5.8	-4.2	-6.2	-14.8	-27.2	-36.0	-34.5	-22.8	-6.8	+9.5	+22.8	+30.2	+31.2	+27.0	+22.2

DECLINATION (minutes) (All Days)

Table 50 Agincourt 1949

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	-0.6	+0.8	+1.5	+2.7	+1.8	+1.9	+0.6	0.0	-0.2	+0.3	-0.1	-0.3	+0.5	+2.9	+4.4	+3.7	+0.8	-1.7	-3.2	-3.3	-3.7	-3.7	-2.9	-1.9
February	-1.5	+0.9	+1.5	+1.7	+2.1	+1.0	+1.2	+0.6	+0.1	+1.3	+1.0	+1.0	+2.2	+4.0	+5.3	+3.5	0.0	-3.0	-4.7	-5.5	-4.9	-4.0	-2.7	-2.0
March	-0.4	+0.7	+1.3	+1.5	+2.1	+1.9	+0.3	+1.9	+2.7	+2.4	+1.9	+3.3	+4.9	+5.0	+4.8	+2.1	-1.7	-4.9	-7.5	-7.6	-6.5	-4.7	-2.5	-1.7
April	-0.4	+1.1	+0.9	+1.3	+1.1	+1.7	+1.1	+1.5	+1.3	+2.0	+3.4	+5.2	+6.5	+6.9	+5.4	+0.8	-4.4	-7.8	-8.7	-7.8	-6.0	-3.6	-1.9	-0.1
May	+0.8	+0.7	+1.0	+1.3	+0.5	+0.7	-0.2	-0.6	-0.2	+1.1	+4.4	+6.9	+7.9	+5.5	+3.4	-0.5	-5.4	-7.0	-7.2	-6.5	-4.7	-2.4	-0.5	+0.4
June	+1.0	+1.0	+1.3	+0.8	-0.2	-0.5	-0.6	-0.6	-0.1	+2.0	+4.5	+6.7	+7.7	+6.6	+3.8	-0.7	-4.5	-7.1	-7.6	-6.3	-4.5	-2.5	-0.2	+0.1
July	+0.2	+0.3	-0.2	+0.5	+0.3	0.0	-0.1	+0.2	+0.3	+1.8	+4.0	+6.6	+7.7	+7.1	+5.1	+1.1	-2.8	-6.2	-7.4	-7.3	-5.6	-3.4	-1.2	-0.2
August	+0.7	+1.3	+0.6	+1.5	+2.4	0.0	+0.9	+2.3	+2.2	+2.0	+3.9	+7.3	+8.6	+7.1	+2.4	-2.3	-6.3	-8.9	-9.3	-7.4	-5.0	-2.8	-0.8	+0.2
September	0.0	+1.2	+1.4	+1.7	+1.9	+1.2	+1.2	+1.4	+3.2	+4.2	+3.6	+4.9	+6.2	+4.8	+2.0	-2.3	-6.4	-9.0	-8.6	-6.4	-3.8	-1.7	-0.4	-0.3
October	+0.5	+2.6	+3.1	+3.0	+2.4	+0.8	+1.3	+2.1	+1.7	+0.7	+1.5	+1.3	+3.1	+4.2	+2.2	-0.5	-4.6	-6.7	-6.4	-5.5	-2.8	-2.0	-0.7	-0.8
November	+0.8	+2.1	+2.1	+2.6	+1.8	+1.4	+1.3	-0.2	+1.3	+1.8	+3.1	+2.8	+2.8	+3.9	+2.8	-0.2	-3.1	-5.4	-6.3	-5.9	-4.7	-2.6	-1.7	-0.4
December	+0.2	+0.9	+1.2	+1.6	+1.5	+1.1	+0.3	+0.9	+1.2	+1.5	+1.9	+1.9	+2.5	+3.5	+2.9	+0.5	-2.4	-4.3	-4.5	-3.9	-3.1	-2.3	-1.4	-0.5
Year	+0.1	+1.1	+1.3	+1.7	+1.5	+0.9	+0.6	+0.8	+1.1	+1.8	+2.8	+4.0	+5.0	+5.1	+3.7	+0.4	-3.4	-6.0	-6.8	-6.1	-4.6	-3.0	-1.4	-0.6
Winter	-0.3	+1.2	+1.6	+2.2	+1.8	+1.4	+0.8	+0.3	+0.6	+1.2	+1.5	+1.4	+2.0	+3.6	+3.8	+1.9	-1.2	-3.6	-4.7	-4.6	-4.1	-3.2	-2.2	-1.2
Equinox	-0.1	+1.4	+1.7	+1.9	+1.9	+1.4	+1.0	+1.7	+2.2	+2.3	+2.6	+3.7	+5.2	+5.2	+3.6	0.0	-4.3	-7.1	-7.8	-6.8	-4.8	-3.0	-1.4	-0.7
Summer	+0.7	+0.8	+0.7	+1.0	+0.8	0.0	0.0	+0.3	+0.6	+1.7	+4.2	+6.9	+8.0	+6.6	+3.7	-0.6	-4.8	-7.3	-7.9	-6.9	-5.0	-2.8	-0.7	+0.1

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Agincourt 1949

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+12	+2	+9	+1	-3	-7	-11	-10	-10	-10	-10	-7	-5	-2	-3	-6	-3	+3	+8	+13	+6	+5	+8	+10
February	+18	+17	+14	+10	-3	-7	-11	-19	-19	-13	-13	-12	-6	-4	-6	-7	-3	+1	+6	+11	+11	+11	+12	+14
March	+21	+24	+16	-2	-6	-12	-20	-17	-16	-20	-23	-14	-7	-6	-7	-7	-3	+4	+13	+15	+18	+19	+21	+20
April	+16	+10	+7	0	-5	-4	-8	-9	-11	-13	-10	-9	-11	-10	-7	-9	-6	0	+8	+13	+14	+16	+16	+19
May	+19	+9	+5	0	-9	-7	-10	-10	-15	-14	-7	-10	-12	-13	-14	-9	-3	+1	+4	+11	+19	+24	+24	+26
June	+19	+14	+7	+2	-6	-10	-14	-19	-15	-13	-12	-12	-11	-12	-11	-11	-7	-1	+5	+13	+19	+27	+26	+25
July	+7	+5	+3	+2	-1	-6	-7	-7	-5	-3	0	0	-2	-3	-5	-6	-6	-4	-1	+4	+8	+12	+12	+10
August	+13	+8	+5	-8	-18	-12	-12	-23	-12	-9	-9	-2	-1	-3	-3	-3	-2	+3	+8	+14	+18	+20	+18	+17
September	+12	+11	+6	-3	-5	-8	-12	-23	-17	-11	-10	-9	-7	-6	-3	-3	0	+3	+7	+12	+16	+15	+13	+12
October	+27	+29	+20	+10	+1	-8	-14	-20	-31	-38	-34	-24	-19	-12	-10	-8	+2	+7	+16	+22	+24	+22	+25	+19
November	+18	+14	+10	+5	-1	-10	-20	-16	-18	-17	-13	-10	-9	-8	-9	-8	-4	+2	+9	+16	+16	+14	+12	+16
December	+6	+5	+6	+4	+1	0	-1	-5	-9	-8	-4	-2	0	0	-3	-5	-3	+1	+4	+5	+5	+5	+5	+6
Year	+15.7	+12.3	+9.0	+1.8	-4.6	-7.6	-11.6	-14.8	-14.8	-14.1	-12.1	-9.2	-7.5	-6.6	-6.8	-6.8	-3.2	+1.7	+7.2	+12.4	+14.5	+15 8	+16.0	+16.2
Winter	+13.5	+9.5	+9.8	+5.0	-1.5	-6.0	-10.8	-12.5	-14.0	-12.0	-10.0	-7.8	-5.0	-3.5	-5.2	-6.5	-3.2	+1.8	+6.8	+11.2	+9.5	+8 8	+9.2	+11 5
Equinox	+19.0	+18.5	+12.2	+1.2	-3.8	-8.0	-13.5	-17.2	-18.8	-20.5	-19.2	-14.0	-11.0	-8.5	-6.8	-6.8	-1.8	+3.5	+11.0	+15.5	+18.0	+18 0	+18 8	+17 5
Summer	+14.5	+9.0	+5.0	-1.0	-8.5	-8.8	-10.8	-14.8	-11.8	-9.8	-7.0	-6.0	-6.5	-7.8	-8.2	-7.2	-4.5	-0.2	+4 0	+10 5	+16 0	+20 8	+20 0	+19 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 — 1949

Month / Season \ Hour U.T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+4	+5	+6	+6	+4	+6	+7	+9	+9	+8	+8	+9	+7	+4	-3	-16	-26	-30	-23	-14	-3	+5	+11	+7
February	+9	+9	+9	+9	+10	+10	+11	+13	+13	+11	+11	+9	+6	0	-13	-31	-38	33	-23	-12	-4	+4	+8	+9
March	+12	+12	+11	+12	+11	+10	+11	+10	+11	+11	+12	+9	+4	-6	-21	-33	-39	-36	-26	-10	+2	+9	+13	+11
April	+9	+9	+8	+8	+9	+7	+6	+7	+9	+9	+9	+5	-3	-15	-30	-41	-35	-23	-8	+5	+13	+14	+14	+12
May	+5	+5	+2	+4	+2	+3	+4	+4	+3	+1	-1	-3	-12	-20	-26	-28	-22	-11	+7	+20	+24	+20	+12	+8
June	+6	+8	+6	+5	+5	+4	+4	+1	0	-1	-1	+1	-4	-16	-25	-28	-22	-12	+3	+12	+17	+17	+12	+9
July	+9	+4	+6	+6	+5	+2	-1	-1	0	0	-1	-4	-12	-24	-33	-34	-22	-6	+11	+20	+24	+19	+16	+14
August	+8	+8	+8	+7	+7	+6	+5	+3	+2	0	-2	-5	-8	-26	-40	-43	-29	-9	+7	+20	+25	+25	+17	+14
September	+11	+11	+10	+8	+10	+9	+8	+8	+7	+7	+4	-1	-14	-27	-34	-36	-25	-11	+2	+10	+14	+11	+9	+10
October	+10	+7	+9	+10	+9	+9	+11	+7	+7	+7	+12	+9	-1	-16	-26	-32	-30	-21	-11	-4	+5	+9	+10	+11
November	+12	+10	+9	+8	+7	+7	+7	+8	+9	+9	+9	+7	+2	-10	-24	-34	-33	-26	-14	-4	+6	+12	+12	+12
December	+8	+7	+4	+2	+3	+3	+4	+4	+6	+8	+8	+7	+4	-3	-11	-23	-28	-23	-11	-2	+4	+8	+9	+9
Year	+8.6	+7.9	+7.3	+7.1	+6.8	+6.3	+6.4	+6.1	+6.3	+5.8	+5.7	+3.6	-2.6	-13.2	-23.8	-31.6	-29.1	-20.1	-7.2	+3.4	+10.6	+12.8	+11.9	+10.5
Winter	+8.2	+7.8	+7.0	+6.2	+6.0	+6.5	+7.2	+8.5	+9.2	+9.0	+9.0	+8.0	+4.8	-2.2	-12.8	-26.0	-31.2	-28.0	-17.8	-8.0	+0.8	+7.2	+10.0	+9.2
Equinox	+10.5	+9.8	+9.5	+9.5	+9.8	+8.8	+9.0	+8.0	+8.5	+8.5	+9.2	+5.5	-3.5	-16.0	-27.8	-35.5	-32.2	-22.8	-10.8	+0.2	+8.5	+10.8	+11.5	+11.0
Summer	+7.0	+6.2	+5.5	+5.5	+4.8	+3.8	+3.0	+1.8	+1.2	0.0	-1.2	-2.8	-9.0	-21.5	-31.0	-33.2	-23.8	-9.5	+7.0	+18.0	+22.5	+20.2	+14.2	+11.2

DECLINATION (minutes) (Quiet Days)

Table 53 Agincourt — 1949

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	-0.7	+0.6	+0.6	+0.8	+0.9	+0.2	-0.1	-0.2	+0.1	+0.6	+0.6	+0.5	+1.5	+3.2	+4.7	+4.3	+1.5	-1.5	-3.4	-4.1	-4.1	-3.0	-1.6	-1.3
February	-0.7	0.0	+0.6	+0.6	+0.4	+0.2	-0.2	0.0	+0.4	+0.9	+1.4	+2.0	+2.7	+5.3	+6.4	+3.9	+0.4	-2.7	-4.3	-5.1	-4.8	-3.9	-2.4	-1.3
March	-0.8	-0.5	-0.3	+0.1	-0.1	+0.6	+1.1	+1.4	+1.6	+2.2	+2.8	+3.7	+5.1	+6.6	+6.8	+3.6	-1.0	-5.2	-7.4	-7.5	-5.8	-3.6	-2.0	-1.4
April	+0.5	+0.3	+0.7	+0.4	+0.2	+0.9	+1.4	+0.9	+1.5	+1.8	+2.9	+5.4	+7.3	+7.8	+5.9	+2.0	-3.1	-6.6	-8.5	-8.5	-6.7	-4.3	-2.1	-0.4
May	-0.8	-0.5	-0.2	-1.0	0.0	0.0	-0.1	+0.7	+0.5	+1.8	+4.8	+6.9	+7.5	+6.5	+3.7	-0.4	-3.5	-5.9	-5.9	-5.2	-4.0	-2.4	-1.6	-0.9
June	+0.1	+0.1	+0.3	-0.4	-0.5	-1.0	-1.2	-0.8	-0.4	+2.4	+4.8	+8.2	+9.3	+7.4	+3.8	-0.6	-4.5	-6.2	-7.3	-5.8	-3.3	-2.9	-1.1	-0.1
July	-0.1	-1.0	-1.3	-0.8	-0.6	0.0	-0.3	-0.1	+0.6	+1.8	+3.8	+5.9	+7.3	+7.3	+5.5	+2.0	-2.5	-5.4	-6.6	-6.0	-4.7	-2.9	-1.3	-0.4
August	-0.6	-0.2	-0.3	+0.5	+0.4	+0.4	+0.7	+1.6	+1.8	+3.0	+4.7	+7.8	+9.7	+8.4	+4.0	-1.3	-6.2	-8.7	-9.6	-8.1	-5.4	-2.4	-0.4	+0.3
September	-1.0	-0.6	-0.5	-0.3	-0.2	+0.3	+0.9	+1.4	+2.2	+3.1	+3.9	+5.6	+7.2	+6.2	+3.0	-1.3	-5.0	-7.3	-7.0	-5.2	-2.7	-0.9	-0.6	-1.1
October	+0.1	+1.1	+1.1	+0.7	+1.2	+0.5	+0.6	+0.3	+2.1	+1.1	+1.2	+2.2	+3.6	+5.3	+3.5	+0.8	-3.0	-4.9	-5.5	-5.1	-3.6	-1.8	-1.0	-0.3
November	+0.1	+0.7	+0.7	+0.9	+0.5	+0.2	+0.3	+0.6	+0.8	+2.2	+3.0	+2.8	+3.4	+4.8	+4.3	+1.1	-2.4	-4.8	-5.9	-5.3	-3.8	-2.4	-1.5	-0.6
December	+0.2	+1.0	+1.4	+1.0	+0.5	+0.4	+0.1	-0.1	+0.3	+0.8	+1.0	+1.3	+2.2	+3.8	+4.2	+1.5	-1.3	-3.2	-3.9	-4.0	-3.4	-2.3	-1.1	-0.4
Year	-0.3	+0.1	+0.2	+0.2	+0.2	+0.2	+0.3	+0.5	+1.0	+1.8	+2.9	+4.4	+5.6	+6.0	+4.6	+1.3	-2.6	-5.2	-6.3	-5.8	-4.4	-2.7	-1.4	-0.7
Winter	-0.3	+0.6	+0.8	+0.8	+0.6	+0.2	0.0	+0.1	+0.4	+1.1	+1.5	+1.6	+2.4	+4.3	+4.9	+2.7	-0.6	-3.0	-4.4	-4.6	-4.0	-2.9	-1.6	-0.9
Equinox	-0.3	+0.1	+0.2	+0.2	+0.3	+0.6	+1.0	+1.0	+1.8	+2.0	+2.7	+4.2	+5.8	+6.5	+4.8	+1.3	-3.0	-6.0	-7.1	-6.6	-4.7	-2.6	-1.4	-0.8
Summer	-0.4	-0.4	-0.4	-0.4	-0.2	-0.2	-0.2	+0.4	+0.6	+2.2	+4.5	+7.2	+8.4	+7.4	+4.2	-0.1	-4.2	-6.6	-7.4	-6.3	-4.4	-2.6	-1.1	-0.3

VERTICAL INTENSITY (gammas) (Quiet Days)

Table 54 Agincourt — 1949

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	+2	+2	+1	-1	0	-1	-1	-1	-2	-1	-3	-1	0	-1	-5	-6	-3	+1	+3	+3	+5	+4	+3
February	+2	+1	0	-1	-2	-2	-2	-4	-3	-3	-4	-3	+1	+2	-3	-7	-4	+2	+5	+6	+6	+6	+5	+4
March	+2	+1	0	-1	-2	-2	-1	-2	-2	-1	0	0	0	-2	-3	-5	-5	-3	+2	+3	+5	+6	+5	+3
April	+3	+2	0	+1	-1	-5	-1	-2	0	0	-2	-2	-4	-3	-5	-6	-4	-2	+2	+4	+6	+6	+6	+5
May	+4	+4	+3	0	+1	-1	0	-1	0	-1	0	+1	-2	-5	-11	-13	-9	-5	-2	+5	+9	+9	+8	+5
June	+6	+4	+3	+1	0	-3	-4	-3	-1	+2	+3	+1	0	-1	-6	-9	-9	-5	-3	0	+4	+8	+7	+7
July	+4	+1	0	-2	-4	-4	-3	-1	0	+1	+3	+2	+1	-3	-8	-9	-6	-4	-2	+2	+6	+8	+9	+7
August	-1	-2	-2	-3	-4	-5	-7	-6	-3	-2	+2	+2	+1	0	0	-3	-3	-1	+5	+7	+8	+9	+6	+2
September	+1	0	-1	-2	-1	-1	-1	-2	-2	-4	-2	0	0	0	0	-2	0	+1	+3	+5	+5	+2	+1	+1
October	+5	+4	+3	+2	+2	0	-9	-15	-12	-7	-7	-5	+1	0	-1	-4	0	+4	+5	+7	+6	+7	+5	+5
November	+2	+1	+1	+1	+3	+1	0	0	-1	-2	-3	-2	-1	-2	-5	-9	-6	-2	+4	+5	+5	+5	+3	+3
December	+1	+1	+1	+1	+1	0	0	-1	-1	0	-1	-1	0	+1	-3	-8	-5	-1	+3	+1	+2	+3	+3	+2
Year	+2.7	+1.6	+0.8	-0.2	-0.7	-1.8	-2.4	-3.2	-2.2	-1.6	-1.0	-0.8	-0.3	-1.1	-3.8	-6.7	-4.8	-1.6	+1.9	+4.0	+5 4	+6.2	+5.2	+3 9
Winter	+2.0	+1.2	+1.0	+0.5	+0.2	-0.2	-0.8	-1.5	-1.5	-1.8	-2.2	-2.2	-0.2	+0.2	-3.0	-7.2	-5.2	-1.0	+3.2	+3.8	+4.0	+4.8	+3.8	+3.0
Equinox	+2.8	+1.8	+0.5	0.0	-0.5	-2.0	-3.0	-5.2	-4.0	-3.0	-2.8	-1.8	-0.8	-1.2	-2.2	-4.2	-2.2	0.0	+3.0	+4.8	+5.5	+5.2	+4.2	+3.5
Summer	+3.2	+1.8	+1.0	-1.0	-1.8	-3.2	-3.5	-2.8	-1.0	0.0	+2.0	+1.5	0.0	-2.2	-6.2	-8.5	-6.8	-3.8	-0.5	+3.5	+6.8	+8.5	+7.5	+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 1949

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	+132	+7	-44	-29	-64	-60	-85	-97	-32	-17	-4	-1	-8	-4	-11	-34	-35	-12	+1	+25	+116	+106	+83	+68
February	+22	+24	+7	-23	-25	-43	-25	-22	-13	+5	+11	+19	+14	+9	-6	-23	-16	-15	-5	+11	+17	+24	+28	+23
March	+50	+51	+41	-15	-54	-25	-61	-39	-56	-33	-37	-8	+11	+3	0	-6	-18	-20	+3	+30	+39	+42	+52	+50
April	+93	+50	+16	-4	+10	+3	-11	-41	-63	-72	-32	-15	-50	-32	-42	-50	-37	-10	+24	+44	+46	+44	+46	+84
May	+56	+19	+16	-48	-58	+1	+10	+20	-37	-79	-13	-21	-54	-103	-144	-91	+6	+33	+55	+71	+83	+95	+94	+90
June	+63	+10	-15	-6	-13	-15	-27	-34	-37	-25	-21	-39	-47	-51	-53	-62	-52	-26	+15	+62	+77	+101	+105	+88
July	+12	0	0	-9	-7	-9	-1	-2	-1	-1	-1	-2	-12	-23	-22	-29	-24	-9	+11	+23	+32	+31	+29	+16
August	+30	+28	+24	-20	-68	-61	-43	-108	-25	-40	-29	+6	-9	-8	-11	-2	+5	+18	+35	+55	+67	+57	+54	+43
September	+14	+7	+7	+5	-2	-8	-8	-24	-13	+13	+8	+8	-10	-32	-32	-33	-27	-7	+9	+31	+30	+29	+21	+14
October	+97	+52	+33	-23	-10	-42	-30	-35	-92	-105	-115	-72	-31	-53	-68	-55	-40	-10	+19	+65	+169	+106	+119	+119
November	+20	+13	+9	+8	+9	-12	-24	-9	-1	-5	+15	+20	+10	-11	-31	-16	-19	-19	-11	0	+5	+10	+17	+22
December	+13	+13	+10	+6	0	-2	0	-7	-12	-2	+5	+12	+9	-3	-12	-21	-24	-16	-5	+1	+3	+11	+11	+11
Year	+50.2	+22.8	+8.7	-13.2	-23.5	-22.8	-25.4	-33.2	-31.9	-30.1	-17.8	-7.8	-14.8	-25.7	-36.0	-35.1	-23.4	-7.8	+12.6	+34.8	+57.0	+54.6	+54.9	+52.3
Winter	+46.8	+14.2	-4.5	-9.5	-20.0	-29.2	-33.5	-33.8	-14.5	-4.8	+6.8	+12.5	+6.2	-2.2	-15.0	-23.5	-23.5	-15.5	-5.0	+9.2	+35.2	+37.8	+34.8	+31.0
Equinox	+63.5	+40.0	+24.2	-9.2	-14.0	-18.0	-27.5	-34.8	-56.0	-49.2	-44.0	-21.8	-20.0	-28.5	-35.5	-36.0	-30.5	-11.8	+13.8	+42.5	+71.0	+55.2	+59.5	+66.8
Summer	+40.2	+14.2	+6.2	-20.8	-36.5	-21.0	-15.2	-31.0	-25.0	-36.2	-16.0	-14.0	-30.5	-46.2	-57.5	-46.0	-16.2	+4.0	+29.0	+52.8	+64.8	+71.0	+70.5	+59.2

DECLINATION (minutes) (Disturbed Days)

Table 56 Agincourt 1949

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	+2.1	+2.0	+1.4	+4.0	+2.8	+3.1	+0.4	-3.4	-0.8	-1.8	-2.7	-2.2	-2.8	+0.3	+0.9	-1.9	-4.3	-1.1	+1.7	+5.3	+4.9	-1.3	-3.8	-2.9
February	-1.8	+3.5	+5.1	+5.2	+6.0	+1.9	+2.2	+0.7	-0.8	+1.8	-0.2	-1.4	-0.3	+0.6	+4.8	+3.5	-1.9	-4.2	-4.8	-5.8	-4.4	-3.9	-3.1	-2.9
March	-0.4	+5.5	+5.0	+1.8	+1.0	+3.9	-1.1	+0.4	+2.4	+4.9	+2.5	+3.2	+2.2	+3.1	+0.7	-1.5	-0.7	-3.0	-8.6	-7.6	-6.4	-4.1	-1.8	-1.3
April	-2.3	+4.5	+2.0	+2.8	+3.6	+4.2	+1.9	+1.1	0.0	+2.6	+5.7	+4.2	+0.5	+2.8	+6.4	-0.2	-6.6	-10.2	-8.4	-6.4	-5.1	-2.3	-1.9	+1.0
May	+5.1	+3.5	+4.1	+5.7	-1.5	-0.2	-2.6	-5.4	-4.3	-0.6	+5.4	+9.1	+10.6	+1.9	+4.3	+1.3	-9.4	-7.1	-6.9	-7.6	-6.0	-2.6	+1.9	+1.7
June	+5.0	+2.6	+3.4	+2.6	-2.7	-0.2	-0.8	-0.8	+1.4	+4.0	+4.6	+2.2	+2.4	-0.2	-1.9	-5.3	-7.4	-8.0	-7.2	-3.7	-2.2	+1.4	+7.2	+3.6
July	+0.2	+2.9	+2.1	+4.8	+2.1	0.0	+1.4	+1.0	-0.3	+0.9	+4.3	+7.4	+5.8	+4.0	+2.1	-0.7	-4.6	-7.4	-7.8	-7.7	-5.2	-3.6	-1.4	-0.4
August	+2.8	+6.6	+3.6	+6.2	+7.7	-7.4	-0.3	+7.9	+3.6	-0.9	-0.2	+5.0	+5.7	+2.8	-1.4	-3.7	-5.5	-8.6	-8.4	-5.8	-4.4	-3.3	-1.5	-0.5
September	+0.1	+3.9	+4.6	+8.0	+8.3	+2.7	+3.0	+2.6	+5.9	+5.1	+0.1	0.0	+1.8	-0.4	-0.7	-4.8	-8.6	-11.3	-8.9	-6.2	-3.1	-1.8	-0 4	+0.2
October	+4.1	+10.6	+6.6	+4.3	+2.8	+0.5	+0.6	+3.5	-2.5	-8.2	-4.0	-3.6	-0.8	+0.1	-6.2	-8.5	-8.2	-8.4	-3.0	+1.0	+8.2	+3.3	+4.6	+3.2
November	+4.5	+5.7	+5.0	+4.0	+4.2	+3.1	+2.1	-5.5	+3.6	+1.3	+5.1	+2.8	-2.6	-1.8	-3.3	-5.3	-3.8	-4.6	-4.8	-5.9	-4.4	-0.9	-0.1	+1.6
December	-0.1	+0.6	+1.2	+1.8	+2.5	+2.5	+0.9	+3.4	+4.2	+3.5	+4.2	+2.4	+2.4	+3.7	+1.4	-0.4	-3.3	-5.0	-5.6	-6.1	-6.0	-4.3	-2.9	-1.0
Year	+1.6	+4.3	+3.7	+4.3	+3.1	+1.2	+0.6	+0.5	+1.0	+1.0	+2.1	+2.4	+2.1	+1.4	+0.6	-2.3	-5.4	-6.6	-6.1	-4.7	-2.8	-2.0	-0.3	+0.2
Winter	+1.2	+3.0	+3.2	+3.8	+3.9	+2.6	+1.4	-1.2	+1.6	+1.2	+1.6	+0.4	-0.8	+0.7	+1.0	-1.0	-3.3	-3.7	-3.4	-3.1	-2.5	-2.6	-2.5	-1.3
Equinox	+0.4	+6.1	+4.6	+4.2	+3.9	+2.8	+1.1	+1.9	+1.4	+1.1	+1.1	+1.0	+0.9	+1.4	0.0	-3.8	-6.0	-8.5	-7.2	-4.8	-1.6	-1.2	+0 1	+0.8
Summer	+3.3	+3.9	+3.3	+4.8	+1.4	-2.0	-0.6	+0.6	+0.1	+0.8	+3.5	+5.9	+6.1	+2.1	+0.8	-2.1	-6.7	-7.8	-7.6	-6.2	-4.4	-2.0	+1.6	+1.1

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Agincourt 1949

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	-30	+20	-11	-18	-22	-22	-20	-16	-14	-19	-12	-13	-4	0	+2	+17	+34	+42	+54	-2	-13	+7	+23
February	+53	+47	+35	+21	-1	-21	-33	-45	-41	-37	-44	-37	-27	-21	-16	-10	+4	+12	+19	+30	+26	+26	+28	+32
March	+51	+71	+56	-29	-18	-32	-54	-45	-58	-72	-75	-33	-10	-12	-12	-11	0	+22	+46	+44	+43	+39	+43	+47
April	+54	+34	+19	-7	-9	-12	-13	-22	-39	-59	-41	-41	-50	-37	-14	-10	-3	+12	+30	+29	+28	+41	+43	+66
May	+58	+23	+17	+3	-51	-27	-28	-29	-62	-65	-24	-36	-44	-37	-38	-8	+15	+14	+19	+36	+51	+74	+66	+72
June	+48	+45	+17	-1	-21	-33	-49	-74	-44	-49	-55	-50	-41	-44	-42	-33	-15	+13	+36	+57	+73	+100	+88	+74
July	+16	+14	+6	+2	-4	-26	-18	-17	-21	-17	-7	-1	-4	-3	-2	-5	-3	0	+3	+8	+17	+21	+20	+20
August	+47	+37	+16	-45	-95	-54	-53	-102	-40	-27	-36	0	+11	+14	+8	+13	+16	+19	+29	+42	+45	+47	+52	+54
September	+34	+39	+30	-10	-17	-38	-42	-78	-47	-22	-35	-32	-28	-13	-1	+6	+11	+17	+26	+42	+47	+42	+35	+32
October	+85	+96	+83	+25	-10	-25	-29	-55	-101	-157	-152	-102	-85	-46	-22	-7	+28	+38	+67	+90	+84	+69	+88	+34
November	+56	+44	+27	+20	+10	+23	-77	-52	-46	-43	-35	-24	-33	-29	-20	-10	-4	+8	+23	+43	+41	+36	+36	+53
December	+10	+8	+9	+8	+3	+1	-1	-18	-25	-19	-8	-3	-2	0	-3	-8	-3	+1	+4	+7	+9	+9	+11	+10
Year	+44.2	+35.7	+27.9	-2.0	-19.2	-22.2	-34.9	-46.4	-45.0	-48.4	-44.2	-30.9	-27.2	-19.3	-13.5	-6.8	+5.2	+15.8	+28 7	+40.2	+38 5	+40 9	+43 1	+43 1
Winter	+34.2	+17.2	+22.8	+9.5	-1.5	-4.8	-33.2	-33.8	-32.0	-38.2	-26.5	-19.0	-18.8	-13.5	-9.8	-6.5	+3.5	+13.8	+22.0	+33.5	+18 5	+14 5	+20 5	+29 5
Equinox	+56.0	+60.0	+47.0	-5.2	-13.5	-26.8	-34.5	-50.0	-61.2	-77.5	-75.8	-52.0	-43.2	-27.0	-12.2	-5.5	+9.0	+22 2	+42 2	+51 2	+50 5	+47 8	+52 2	+44 8
Summer	+42.2	+29.8	+14.0	-10.2	-42.8	-35.0	-37.0	-55.5	-41.8	-39.5	-30.5	-21.8	-19.5	-17.5	-18.5	-8.2	+3 2	+11 5	+21 8	+35 8	+46 5	+60 5	+56 5	+55 0