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CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
Dominion Observatories

PUBLICATIONS
of the
DOMINION OBSERVATORY
OTTAWA

Volume XVIIIA • No. 3

RECORD OF OBSERVATIONS AT
AGINCOURT MAGNETIC OBSERVATORY
1940 - 1941

W. E. W. Jackson and W. E. Ross

Price 25 cents

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AGINCOURT MAGNETIC OBSERVATORY

Geographic Latitude 43° 47'N
Geographic Longitude 79° 16'W

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

Officer-in-Charge: W. E. Ross

Assistant: F. Furnell

1940-1941

Introduction

The year 1940 notes the 100th anniversary of the establishment of Toronto magnetic observatory and the 42nd anniversary of its removal to Agincourt.

Instruments

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

for I, I.M.S. = Toepfer 89 -0'.15

Variometers in operation were: a Kew-type set; a la Cour set of normal speed and sensitivity; and a la Cour quick-run set of normal sensitivity. In 1940 the principal variometers were the Kew type for horizontal intensity, the la Cour normal for vertical intensity, and the Kew for declination except in February and July when instrumental difficulties led to the use of the la Cour normal. In 1941 the principal variometers were those of the la Cour normal set.

Scale coefficients for the la Cour normal set in 1940 and 1941 were: D = 0'.91/mm; H = 5.11 γ /mm; and Z = 5.90 γ /mm. Kew coefficients used in 1940 were: D = 1'.28/mm; H = 6.50 γ /mm January to March and 4.84 γ /mm during the remainder of the year; and Z = 10.0 γ /mm. In 1941 these latter coefficients were the same for D and Z and for H the value 4.84 γ /mm was used January to July and 4.92 γ /mm during the remainder of the year.

The root mean square values of the observed minus adopted photographic base-line values in 1940 were for D, $\pm 0'.5$; for H $\pm 3\gamma$; and for Z $\pm 17\gamma$. In 1941 the values were for D, $\pm 0'.9$; for H $\pm 5\gamma$; and for Z $\pm 26\gamma$.

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 of each year.

The tables of daily extremes supply information pertinent to the magnetic character of the days, months, and year. The ranges in extreme values recorded in 1940 were; for H, 859 γ ; for D, 2° 28.1'; and for Z, 1697 γ . In 1941 the ranges for the year were; for H, 851 γ ; for D, 3° 29.7'; and for Z, 1552 γ . The ranges in D are equivalent to ranges of 659 and 933 γ , respectively, in the component of intensity perpendicular to the magnetic meridian. It is of interest to note that in 1930, when the preceding maximum disturbance of the earth's magnetic field occurred, the range for the year in H was 873 γ ; in D, 1° 51.8' or an equivalent range of 506 γ perpendicular to the magnetic meridian; and in Z, 926 γ .

The monthly and yearly mean values of H, D, Z, X, Y, I, and F for 1940 and 1941 that follow are based on mean hourly values for H, D, and Z. Values of X, Y, I, and F are computed from H, D, and Z.

A list of yearly values from 1917 to 1941, inclusive, completes this section of the 1940-1941 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 their *Geomagnetic Indices C and K* bulletins.

MEAN VALUES FOR MONTHS AND YEAR, AGINCOURT

Month	-D West	H	Z	X	-Y West	I North	F
1940	° ' "	γ	γ	γ	γ	° ' "	γ
January.....	7 32.9	15281	56497	15149	2007	74 51.9	58527
February.....	32.9	295	494	162	09	51.1	528
March.....	32.9	294	504	161	09	51.3	537
April.....	32.9	284	517	152	08	52.0	547
May.....	32.0	295	513	163	05	51.4	546
June.....	31.3	297	515	165	02	51.3	549
July.....	31.4	301	512	169	03	51.0	547
August.....	31.6	296	508	164	04	51.2	542
September.....	31.5	287	504	155	02	51.7	535
October.....	32.6	282	499	150	06	51.9	529
November.....	32.7	278	490	146	06	52.0	520
December.....	32.6	285	483	153	07	51.5	515
Year.....	7 32.3	15290	56503	15157	2006	74 51.5	58535
1941							
January.....	7 31.2	15289	56477	15158	2001	74 51.1	58510
February.....	31.8	285	476	153	03	51.4	508
March.....	33.2	265	492	133	07	52.7	518
April.....	32.8	284	486	152	07	51.6	517
May.....	31.5	295	485	163	03	50.9	519
June.....	31.5	303	481	171	04	50.4	517
July.....	32.8	289	486	157	08	51.3	519
August.....	33.1	289	482	156	09	51.2	515
September.....	33.5	286	488	153	11	51.5	520
October.....	32.5	290	486	158	07	51.2	519
November.....	32.8	287	479	155	08	51.3	511
December.....	32.3	290	472	158	06	51.0	510
Year.....	7 32.4	15288	56482	15156	2006	74 51.3	58515

MEAN ANNUAL VALUES, AGINCOURT

Year	-D West		H	Z	X	-Y West	I North		F
	°	'	γ	γ	γ	γ	°	'	γ
1917.....	6	36.2	15950	58449	15844	1834	74	44.2	60587
1918.....		38.3	916	366	809	40		44.8	496
1919.....		41.0	885	260	777	49		44.9	386
1920.....		45.4	865	166	755	67		44.6	291
1921.....		50.6	839	065	726	87		44.5	185
1922.....		56.2	809	57961	694	1910		44.6	078
1923.....	7	00.9	784	849	666	28		44.3	59963
1924.....		05.8	752	733	631	46		44.3	843
1925.....		09.7	727	628	604	61		44.2	736
1926.....		13.4	692	529	569	73		44.6	630
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.....	7	32.4	15288	56482	15156	2006	74	51.3	58515

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

Table 1 Agincourt

H = 15,000 γ +

January 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	300	301	290	293	287	287	284	284	287	291	287	290	287	280	268	264	267	272	281	293	289	293	300	286	286
2	285	280	271	281	277	271	265	259	267	280	284	284	290	281	280	261	260	265	272	283	287	286	279	277	276
3 D	279	285	285	275	266	256	248	240	258	268	278	279	291	292	246	40	161	268	253	245	224	232	245	246	248
4	243	249	253	252	268	255	254	255	255	262	261	253	252	248	228	194	236	253	252	247	247	254	272	275	251
5	278	273	267	243	267	273	273	275	279	279	281	282	283	282	273	264	259	259	260	262	272	268	273	262	270
6	266	265	273	267	259	268	259	269	275	281	287	286	285	272	268	246	223	246	242	262	272	282	276	282	267
7	275	283	288	285	288	293	279	278	285	292	291	288	279	273	261	278	264	264	265	276	292	283	264	290	280
8	288	282	298	287	275	273	287	291	292	293	291	290	292	291	281	267	266	271	271	273	282	291	287	283	283
9	293	294	293	288	288	294	294	294	298	297	298	293	295	294	298	280	262	279	278	262	278	285	300	297	289
10 D	291	288	285	285	292	291	287	292	292	294	297	300	294	246	208	246	230	237	252	249	266	268	268	275	272
11 D	280	285	286	280	292	274	279	270	247	255	263	280	283	281	274	263	255	270	292	281	273	265	281	284	274
12	268	254	256	273	270	253	242	273	268	276	280	274	265	267	268	247	254	260	268	277	273	269	282	287	267
13	289	286	280	286	286	283	281	274	279	281	286	287	282	276	265	255	250	256	270	280	289	293	296	293	279
14 Q	293	293	292	289	289	286	289	292	292	290	286	288	291	283	266	254	254	266	274	286	288	289	296	296	284
15	286	279	279	288	292	292	288	288	286	288	291	288	292	285	270	260	263	267	274	286	296	307	308	306	286
16	305	299	297	291	293	292	291	292	276	291	302	299	302	282	273	274	268	267	253	274	286	295	293	289	287
17	288	291	282	286	289	279	295	291	299	303	306	302	294	256	256	269	255	234	248	263	273	284	283	269	275
18 D	278	282	286	285	285	279	281	280	280	293	304	306	305	288	265	189	161	196	231	247	249	253	252	247	263
19	250	253	259	266	266	268	271	272	273	275	274	276	272	270	262	250	253	265	268	280	281	279	281	283	268
20	285	281	285	280	288	293	289	289	292	292	292	291	287	285	272	259	266	272	279	275	293	294	292	294	284
21 Q	292	293	291	290	289	291	291	292	294	292	293	292	291	281	268	251	248	258	268	284	292	292	291	292	284
22	292	291	292	292	294	294	293	295	297	300	304	300	300	299	287	278	270	260	272	276	287	302	305	305	291
23	305	299	299	297	299	296	293	297	300	304	298	310	312	304	297	284	279	278	292	300	300	293	297	303	297
24	303	298	290	280	281	281	281	281	296	303	294	291	296	296	290	273	276	285	291	296	268	278	288	296	288
25	296	287	286	278	280	276	271	270	267	286	289	289	292	290	290	283	262	266	270	279	291	291	295	299	283
26 Q	299	299	299	298	296	296	297	298	296	296	298	299	299	296	289	280	278	283	291	303	305	309	309	310	297
27 Q	308	304	306	301	295	289	291	296	300	301	302	302	298	288	278	272	275	279	290	304	310	311	311	308	297
28 Q	308	310	306	306	302	305	304	301	300	302	305	304	300	295	290	285	285	295	307	316	317	315	310	308	303
29	310	305	299	298	298	298	297	296	295	298	297	298	299	295	295	288	275	285	303	310	312	310	310	302	299
30	294	282	286	294	291	294	294	297	297	296	302	309	310	301	300	281	277	284	297	301	328	315	316	302	298
31 D	303	298	294	295	289	283	290	302	302	305	309	308	294	275	289	273	231	255	255	275	273	289	300	284	286
Mean	288	286	286	284	285	282	282	283	284	289	291	291	291	282	272	255	253	264	271	278	284	286	289	288	281

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7° W + . . . °

January 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	29.9	29.8	29.2	31.5	31.3	30.7	31.8	30.4	29.1	29.0	27.9	28.4	27.1	28.1	28.9	31.4	32.8	33.7	33.8	33.9	33.8	33.3	31.8	29.9	30.7
2	30.0	28.5	27.2	28.8	30.4	34.1	28.4	27.3	26.0	26.4	27.4	26.8	28.0	31.1	33.1	32.3	33.9	34.3	33.4	32.6	32.4	31.9	29.1	28.4	30.1
3 D	28.3	27.9	28.1	26.3	28.0	26.3	24.8	19.4	18.9	17.8	26.3	27.9	28.2	29.5	34.1	35.5	58.3	47.0	39.9	38.3	38.1	37.2	34.1	32.4	31.4
4	31.7	32.0	32.2	32.1	34.0	33.8	34.8	34.7	35.3	35.0	34.7	35.3	35.1	31.3	33.2	39.0	37.8	35.7	36.3	36.7	39.2	36.8	34.8	33.8	34.8
5	32.9	32.3	33.3	29.0	33.2	32.0	34.1	33.3	33.3	33.7	33.6	32.8	31.8	29.9	29.3	31.3	33.0	33.8	34.8	35.2	36.0	35.2	34.7	34.0	33.0
6	33.3	32.0	31.1	32.0	28.9	32.2	31.2	30.8	31.4	32.3	35.2	36.0	39.2	37.7	34.2	35.0	38.2	36.7	37.7	34.6	35.3	33.8	30.3	31.0	33.7
7	32.7	23.9	32.9	33.3	32.0	33.9	32.1	32.6	34.8	34.7	36.6	35.6	33.1	34.1	32.9	34.6	35.2	35.8	34.6	33.1	34.1	35.1	28.9	32.9	33.3
8	33.2	29.7	31.6	30.8	28.9	35.9	34.1	31.7	31.9	32.8	33.2	32.2	31.7	30.2	29.7	32.1	33.7	34.9	35.8	35.1	35.8	34.3	34.1	31.4	32.7
9	31.9	31.6	33.1	33.1	33.7	33.7	34.4	33.2	32.9	32.6	32.9	34.1	34.2	31.2	29.6	32.3	34.9	35.7	36.1	34.7	35.9	36.1	32.9	32.9	33.5
10 D	29.6	29.2	32.1	30.6	35.4	32.7	32.5	32.8	33.2	32.0	33.1	31.7	30.1	32.0	37.6	46.7	45.2	42.1	38.9	37.1	36.0	34.4	35.7	32.6	34.8
11 D	30.6	31.5	32.6	31.8	44.9	36.5	32.1	30.6	32.3	35.0	35.8	33.8	31.0	30.0	32.2	35.6	38.0	37.0	37.1	41.2	37.6	33.8	35.6	34.6	34.6
12	29.6	29.0	27.7	31.0	36.0	36.0	39.5	35.0	27.6	28.5	29.6	31.8	32.6	30.3	34.0	36.8	37.6	38.7	37.8	34.8	35.8	31.2	33.6	32.1	33.2
13	32.0	31.8	31.7	28.8	34.0	33.3	33.6	30.9	32.9	34.1	32.6	31.1	30.0	29.6	31.9	34.1	35.7	36.8	37.5	35.7	34.6	33.5	32.9	32.8	33.0
14 Q	31.7	31.6	32.4	32.7	33.0	33.7	33.6	33.1	33.0	32.3	34.1	31.6	28.5	28.0	30.6	33.1	35.8	37.1	37.3	35.6	35.2	34.6	35.0	33.5	33.3
15	30.5	33.0	29.6	29.4	32.2	32.7	32.7	31.9	32.8	32.3	30.5	28.9	27.5	26.7	29.0	32.7	34.5	36.1	36.4	35.9	34.9	34.0	33.1	31.9	32.0
16	32.0	32.8	30.9	32.1	33.0	33.0	32.4	32.4	30.5	26.8	27.5	28.0	26.9	30.0	32.9	33.5	35.0	36.9	37.5	34.9	34.4	34.7	34.6	31.0	32.2
17	30.6	28.5	24.5	29.9	32.0	31.0	29.0	28.5	30.9	30.9	30.7	31.7	38.8	45.0	38.9	35.5	43.1	41.4	38.2	37.0	35.1	35.2	31.4	33.7	
18 D	30.1	31.4	31.3	32.3	33.0	31.2	28.7	32.5	34.3	32.9	30.7	29.8	31.2	30.3	31.8	33.3	37.5	42.7	47.4	42.3	38.6	35.9	33.9	32.9	34.0
19	31.8	31.9	32.0	32.3	32.4	32.7	32.6	32.8	32.9	33.4	33.8	34.9	31.9	29.3	28.8	30.8	34.6	35.6	35.8	34.4	32.9	32.5	33.4	32.9	32.8
20	32.9	33.3	32.9	31.6	33.2	33.4	33.3	31.8	31.9	33.4	32.4	31.7	30.8	29.8	31.4	33.3	36.8	39.4	37.6	34.9	32.8	31.8	32.7	32.7	33.2
21 Q	32.6	32.5	32.5	32.5	32.6	32.4	32.4	32.3	32.3	32.5	32.9	32.8	31.4	29.3	28.3	31.0	33.9	36.4	37.4	35.9	33.3	31.8	32.4	32.4	32.7
22	31.7	31.7	32.2	32.4	31.4	31.0	31.5	31.2	31.2	33.2	30.4	30.5	31.7	29.8	29.5	31.2	33.7	36.5	37.3	37.9	35.6	33.7	32.7	31.5	32.5
23	31.7	31.7	31.8	32.3	31.8	31.3	32.3	29.3	30.3	30.1	32.6	30.3	29.2	28.5	29.7	31.3	33.5	35.3	35.6	35.8	36.7	36.5	35.8	34.2	32.4
24	34.5	33.9	35.3	36.4	32.5	31.2	29.7	29.8	30.7	29.8	31.3	31.4	32.8	28.5	30.4	32.4	37.5	39.3	37.5	37.2	41.2	38.5	34.5	32.2	32.7
25	32.2	31.7	25.3	31.4	30.8	32.7	31.7	29.7	33.2	28.8	29.9	30.5	29.2	32.4	38.7	33.5	35.8	37.4	37.6	36.2	35.4	33.5	33.2	32.3	32.6
26 Q	31.7	31.6	32.0	32.1	31.7	31.7	32.1	31.5	31.3	31.4	31.2	31.0	30.7	30.1	31.1	33.1	35.3	35.6	35.6	34.5	34.1	33.7	32.7	32.4	32.4
27 Q	32.1	30.7	31.2	32.3	32.2	33.0	35.2	32.6	30.5	29.7	30.4	30.4	29.6	28.4	28.4	31.8	34.7	35.7	36.5	35.6	33.9	32.6	32.7	32.0	32.2
28 Q	31.3	32.1	31.2	31.6	31.8	31.8	32.1	31.8	31.0	30.7	30.3	30.2	29.4	28.7	29.4	30.6	32.5	33.6	34.1	33.1	32.4	32.1	32.9	33.1	31.6
29	32.4	32.3	31.4	31.4	33.2	32.9	32.6	31.2	30.6	29.4	26.2	24.2	25.2	26.1	29.6	35.1	33.6	44.2	46.4	43.6	38.4	34.2	33.4	32.7	33.2
30	33.1	29.7	29.4	29.1	31.4	32.4	32.1	30.2	32.1	34.4	27.1	32.6	30.4	27.4	28.7	33.7	38.4	36.5	36.8	35.2	35.7	33.6	32.1	31.8	32.2
31 D	29.6	30.3	30.6	30.3	30.1	29.1	38.3	38.1	32.4	32.5	32.2	32.3	30.9	44.0	34.5	31.9	40.6	40.5	40.9	40.2	33.0	35.5	34.1	25.7	34.1
Mean	31.5	31.0	30.9	31.3	32.5	32.5	32.4	32.4	31.3	31.3	31.4	31.3	30.7	30.6	31.9	33.8	36.7	37.5	37.5	36.3	35.5	34.2	33.3	32.1	32.9

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

Table 3 Agincourt

$Z = 56,000 \gamma +$

January 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	490	490	490	488	493	491	491	493	494	493	487	490	489	490	487	490	494	496	495	494	493	495	499	500	492	
2	515	519	516	505	493	461	460	454	452	464	480	486	482	470	467	481	488	494	499	499	499	499	498	500	506	487
3 D	505	499	495	490	492	479	464	438	418	418	428	442	454	450	455	476	487	508	517	513	509	517	511	512	479	
4	514	509	511	510	483	499	502	493	493	499	503	494	493	493	487	514	507	506	505	512	520	523	511	507	504	
5	505	503	505	511	470	497	499	500	500	499	499	499	500	495	489	491	494	494	499	500	503	503	503	506	499	
6	506	506	505	503	503	490	495	499	497	490	490	491	483	487	487	490	487	501	506	515	511	511	509	508	499	
7	507	506	503	499	496	488	488	487	479	479	479	482	490	498	499	491	493	499	503	503	504	505	514	510	496	
8	506	502	491	491	489	493	491	493	494	494	494	495	497	497	495	491	493	499	503	500	497	501	499	500	496	
9	499	496	496	495	495	493	494	494	493	493	493	490	488	486	482	481	487	496	499	508	505	502	501	500	495	
10 D	500	499	499	493	487	494	494	493	493	492	490	486	478	473	489	487	495	502	533	538	541	541	526	522	502	
11 D	519	511	507	506	471	487	503	494	467	460	477	493	499	502	497	499	505	506	510	518	547	536	550	549	505	
12	541	538	528	513	520	500	466	491	484	490	497	502	494	507	503	503	509	513	516	519	518	532	523	515	509	
13	508	506	505	506	503	503	500	499	501	496	497	500	500	500	501	506	511	512	512	508	507	503	503	500	503	
14 Q	501	501	498	498	498	498	500	500	498	495	491	495	500	500	498	503	506	507	511	512	508	506	504	509	501	
15	513	520	520	514	506	501	502	500	497	491	494	494	495	494	493	498	501	503	506	504	503	500	496	496	501	
16	495	496	498	504	401	497	495	471	471	477	483	491	490	491	491	489	493	496	501	506	502	501	502	503	494	
17	504	501	496	500	496	486	471	478	494	492	490	490	490	483	482	471	483	494	504	518	518	508	516	520	496	
18 D	520	509	503	500	497	497	492	497	493	497	497	490	491	483	490	501	514	557	624	563	537	521	515	513	513	
19	510	508	507	508	511	510	508	508	506	507	504	503	504	503	501	500	500	501	503	507	508	506	504	504	506	
20	503	501	501	502	501	497	500	502	500	500	498	500	501	498	496	496	494	500	507	508	507	504	502	502	501	
21 Q	502	500	500	500	501	501	501	500	500	498	497	498	500	501	497	504	508	509	510	510	506	501	500	500	502	
22	498	497	496	496	496	494	497	497	497	491	491	489	490	488	488	492	494	494	501	500	500	498	495	495	495	
23	494	492	491	492	494	494	487	491	494	492	491	492	491	489	486	486	488	492	495	497	497	498	498	501	493	
24	502	503	504	512	514	504	503	503	503	496	491	491	489	483	479	480	488	488	488	496	506	513	504	503	498	
25	504	507	508	509	503	501	488	492	477	481	493	499	498	488	474	488	491	496	496	499	507	505	498	498	496	
26 Q	499	497	496	496	496	495	495	496	495	496	496	495	496	494	487	491	492	495	497	496	498	497	498	497	495	
27 Q	497	496	494	494	494	494	478	492	498	495	495	494	495	491	490	492	495	494	495	498	498	495	495	493	494	
28 Q	494	494	493	493	493	492	492	492	495	493	492	492	494	492	492	488	489	493	495	495	495	492	491	493	493	
29	493	495	495	495	496	496	495	495	493	490	483	481	481	475	470	475	481	484	485	488	490	492	492	493	488	
30	501	505	527	519	509	498	492	486	484	463	460	463	468	475	474	472	481	486	488	494	501	492	492	497	489	
31 D	498	498	497	498	495	485	478	461	485	489	486	484	481	464	451	465	477	493	503	519	534	513	510	521	491	
Mean	505	504	503	501	497	494	491	490	489	488	489	490	491	488	487	490	495	501	507	508	509	507	506	506	497	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt

January 1940

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum			Minimum			Range	Maximum		Minimum		Range	Maximum			Minimum			Range		
	15,000 γ +			15,000 γ +				7° W +		7° W +			56,000 γ +			56,000 γ +					
h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ	
1	03	18	306	15	44	261	45	20	00	34.4	12	08	26.2	8.2	23	55	507	03	25	483	24
2	12	18	293	16	10	254	39	04	57	36.4	03	47	22.2	14.2	01	38	523	08	18	442	81
3 D	13	00	299	15	27	<u>-056</u>	<u>355</u>	06	10	<u>72.9</u>	09	06	<u>15.4</u>	<u>57.5</u>	15	52	532	08	20	<u>405</u>	127
4	04	17	297	15	18	179	118	15	38	44.9	14	13	25.5	19.4	21	10	532	04	36	470	62
5	04	05	337	03	32	227	110	04	22	43.2	04	02	16.2	27.0	03	51	520	04	16	453	67
6	11	11	293	16	27	210	83	16	40	40.4	02	00	21.0	19.4	19	48	518	12	40	476	42
7	05	17	304	22	08	227	77	15	35	37.2	01	10	17.0	20.2	22	36	519	09	48	470	49
8	02	34	320	04	50	261	59	05	24	40.2	02	32	26.1	14.1	00	15	507	02	45	479	28
9	22	44	311	19	22	249	62	19	10	38.7	14	46	27.6	11.1	19	14	513	14	43	479	34
10 D	03	56	306	14	32	168	138	15	09	50.9	03	48	27.6	23.3	21	10	554	14	50	458	96
11 D	18	10	319	09	25	227	92	04	47	53.6	13	47	27.8	25.8	22	45	570	09	26	442	<u>128</u>
12	19	28	293	06	16	205	88	06	07	57.2	08	47	23.5	27.7	00	09	549	06	06	429	<u>120</u>
13	22	00	296	16	07	247	49	18	23	37.8	03	30	23.8	14.0	18	03	514	07	00	494	20
14 Q	23	04	302	16	10	250	52	18	07	37.6	12	50	27.4	10.2	19	20	514	10	40	489	25
15	22	07	310	15	42	256	54	17	56	36.7	12	52	25.8	10.9	01	45	522	09	30	489	33
16	12	14	308	18	28	247	61	17	58	38.7	08	00	24.4	14.3	19	12	508	07	45	460	48
17	06	07	310	14	00	229	81	14	45	49.7	02	25	21.1	28.6	20	20	524	06	18	443	81
18 D	11	36	311	16	28	145	166	18	43	52.3	06	13	28.3	24.0	18	40	<u>638</u>	13	30	478	160
19	23	04	297	01	17	242	55	18	14	36.4	13	58	27.1	09.3	20	26	<u>512</u>	17	22	496	16
20	05	00	306	15	42	251	55	17	28	40.5	13	26	28.3	12.2	18	48	512	05	05	486	26
21 Q	20	53	297	16	10	245	52	18	26	37.6	14	32	27.4	10.2	17	50	511	10	48	494	17
22	22	53	310	17	47	253	57	19	30	38.4	15	11	28.2	10.2	18	44	504	13	57	484	20
23	11	42	318	16	27	274	44	20	57	38.0	13	30	26.7	11.3	23	59	503	06	42	480	23
24	09	52	306	20	26	259	47	20	24	43.5	13	27	27.3	16.2	03	55	521	14	55	477	44
25	13	07	299	16	49	251	48	14	40	40.7	02	47	22.3	18.4	02	40	513	08	55	466	47
26 Q	23	42	315	16	20	277	<u>38</u>	16	52	35.7	13	57	29.6	06.1	21	00	501	14	30	486	15
27 Q	21	17	314	15	35	272	42	06	05	42.6	14	26	27.4	15.2	19	56	501	06	24	466	35
28 Q	19	09	321	15	34	279	42	18	33	34.2	13	45	28.4	<u>05.8</u>	19	18	496	15	00	488	<u>08</u>
29	22	04	317	16	53	269	48	18	14	47.1	12	00	23.1	<u>24.0</u>	23	59	497	14	20	468	29
30	20	20	<u>361</u>	15	37	268	93	16	10	40.1	14	17	21.4	18.7	02	36	537	10	05	445	92
31 D	11	43	316	16	30	214	102	13	30	50.3	23	37	17.3	33.0	20	36	546	07	05	440	106
Mean			309			230	79			42.7			24.6	18.1			523			468	55
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 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	243	268	281	289	300	281	261	290	251	284	306	284	281	277	259	245	243	224	236	265	268	284	276	287	270	
2 D	295	283	288	287	296	294	290	276	284	301	300	302	298	290	283	264	268	263	257	268	283	294	300	301	286	
3 D	304	299	302	299	299	299	296	301	300	306	308	307	304	287	283	267	264	242	270	286	295	290	281	297	292	
4	299	299	299	299	299	300	300	301	301	301	302	301	300	300	290	270	241	256	273	286	287	299	303	299	292	
5	293	296	300	300	300	304	309	302	306	302	299	300	306	301	273	272	282	283	283	290	298	295	296	296	295	
6	292	292	287	287	292	295	297	299	298	295	302	314	318	302	287	284	282	284	275	294	289	281	291	300	294	
7	287	279	303	300	298	297	301	305	305	306	307	302	300	284	274	285	292	295	295	298	300	295	305	308	297	
8	308	307	305	300	294	291	286	287	286	294	298	307	300	292	282	269	274	281	292	309	289	292	305	300	294	
9	286	287	286	291	285	286	286	294	300	300	304	304	300	292	286	280	280	286	293	300	306	309	310	307	294	
10	306	304	305	301	304	304	301	304	304	305	306	309	302	292	281	274	271	281	291	293	310	310	294	297	298	
11	306	306	310	313	310	310	310	309	314	307	312	320	317	307	299	294	290	288	293	291	284	291	286	291	303	
12 D	277	283	292	285	280	305	303	292	297	299	303	305	306	290	280	272	293	295	297	303	316	316	312	310	296	
13	303	293	298	305	305	305	316	307	311	312	312	314	316	306	303	299	290	285	288	291	284	297	298	298	301	
14 Q	302	302	301	299	302	302	302	303	302	296	296	302	297	292	292	289	289	289	295	302	304	305	304	295	298	
15	297	304	311	304	305	306	309	308	304	298	311	314	302	291	297	296	292	291	292	299	305	309	312	313	303	
16	315	305	308	305	302	307	305	308	309	309	305	310	308	301	296	291	284	289	298	302	298	302	301	305	303	
17 Q	311	309	309	308	307	306	304	305	305	308	311	305	304	302	302	295	286	283	283	289	295	304	309	312	302	
18 Q	312	311	309	307	307	308	310	306	309	309	312	314	311	305	304	304	304	304	304	304	305	310	309	311	308	
19 Q	315	315	316	315	315	316	317	318	318	320	319	317	316	312	309	312	311	306	304	304	307	310	321	318	314	
20	305	282	270	269	284	282	279	285	298	304	308	309	303	298	305	309	318	317	320	314	297	299	305	309	299	
21	302	302	295	299	288	291	286	286	286	281	276	296	283	296	298	289	275	295	297	297	292	291	295	299	291	
22	298	298	284	284	279	276	276	266	278	289	289	287	285	292	295	291	287	290	295	297	302	297	304	299	289	
23	303	293	301	300	296	281	284	283	285	289	291	288	288	281	277	281	285	296	307	303	298	297	301	284	291	
24	280	278	283	283	278	275	268	262	268	266	274	278	275	265	263	259	263	275	293	302	300	298	322	309	280	
25 D	314	330	323	330	292	278	278	267	251	212	248	289	251	231	226	233	245	255	273	288	283	288	294	295	274	
26	291	296	295	298	301	301	299	302	303	295	294	291	290	291	282	281	277	283	283	288	293	297	306	305	293	
27 Q	304	302	295	282	285	296	301	303	303	304	309	307	301	290	277	269	263	267	277	288	301	312	314	311	294	
28	311	310	308	312	311	311	314	314	314	315	311	314	310	301	294	287	283	283	291	298	311	308	303	314	305	
29	316	312	310	306	306	306	309	310	314	315	316	320	318	304	306	282	278	278	284	288	295	299	300	310	304	
30																										
31																										
Mean	299	298	299	299	297	297	297	296	297	297	301	303	299	292	286	280	280	281	288	294	296	299	302	303	295	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt

D = 7° W + . . . ' /

February 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	22.8	26.5	29.2	26.2	31.8	27.6	38.3	34.2	39.5	38.5	29.8	36.5	38.2	30.1	30.4	32.1	37.4	38.2	38.1	40.0	37.6	40.3	34.6	27.8	33.6
2 D	26.2	29.4	31.2	30.5	31.7	31.6	32.2	41.3	39.9	33.9	30.1	30.8	31.2	32.1	29.5	31.6	33.5	37.7	39.2	39.0	38.6	35.5	33.9	31.8	33.4
3 D	25.3	31.3	31.7	31.2	31.2	32.2	33.1	33.6	34.9	34.4	33.5	32.2	33.2	33.8	33.9	37.0	37.6	36.2	38.3	37.6	35.4	34.7	32.7	31.3	33.6
4	31.0	30.8	31.2	31.2	31.8	31.9	32.2	32.2	32.1	31.9	31.8	31.1	31.3	30.0	29.4	30.5	34.4	39.5	39.1	37.6	36.2	34.1	33.5	32.8	32.8
5	30.8	30.8	30.9	31.2	31.9	31.8	32.8	31.9	31.4	30.3	30.4	32.2	30.3	28.1	30.7	33.8	32.1	35.8	36.7	36.7	36.3	34.5	32.7	27.7	32.1
6	30.1	30.3	28.9	29.9	31.7	32.2	31.9	31.2	28.6	27.6	29.4	30.1	28.5	29.0	29.5	30.4	33.6	35.8	41.2	41.8	40.9	39.0	36.9	31.3	32.5
7	32.8	20.8	32.9	31.8	31.3	30.9	31.5	34.1	31.3	31.3	30.3	31.3	30.0	28.6	31.1	34.2	36.6	37.1	35.0	35.4	35.7	34.5	33.7	32.2	32.3
8	30.9	25.7	31.7	31.3	31.3	32.2	28.9	30.8	32.0	30.5	32.7	31.4	30.0	29.0	28.6	33.1	35.7	38.1	37.9	37.5	38.6	37.3	36.4	34.5	32.8
9	30.9	34.0	30.8	25.1	26.9	31.5	30.9	30.5	31.8	29.6	31.9	31.8	31.0	30.0	30.5	33.7	36.8	36.3	36.0	35.0	33.9	33.6	33.9	31.8	32.0
10	32.2	33.2	32.0	32.5	32.1	31.8	32.0	32.7	31.9	31.0	31.0	30.0	29.3	28.6	29.3	31.9	34.8	35.9	38.2	37.7	37.1	36.2	35.5	34.0	32.9
11	32.2	31.3	29.2	31.7	32.0	32.6	32.3	31.5	30.9	30.0	31.8	27.7	26.8	27.7	30.5	34.3	36.8	36.8	37.5	37.8	39.9	40.4	39.6	40.4	33.4
12 D	34.1	30.9	31.9	30.5	31.5	26.9	30.5	30.9	31.4	30.9	30.5	31.8	30.3	31.1	39.1	41.7	42.6	37.8	36.9	35.9	35.4	33.9	33.2	32.2	33.4
13	32.9	32.2	32.3	29.5	32.0	32.1	31.1	32.2	32.2	31.3	31.3	30.1	28.7	33.6	32.5	33.2	34.8	36.3	36.3	35.7	35.3	34.6	33.3	26.4	32.5
14 Q	31.0	32.4	32.0	30.0	32.3	31.3	32.3	31.9	31.2	32.4	34.9	31.2	31.8	30.1	31.4	33.8	35.5	35.9	35.7	34.7	33.8	33.0	33.2	33.5	32.7
15	32.8	30.1	29.5	32.0	32.0	31.5	31.5	31.4	31.9	36.7	32.0	28.3	30.0	32.4	33.8	34.0	35.7	36.0	36.1	34.6	33.6	33.3	33.3	32.8	32.7
16	32.3	32.4	32.1	31.4	30.2	33.2	32.0	31.0	31.0	31.9	34.2	33.3	31.0	33.2	33.2	31.9	35.1	36.7	35.1	34.9	35.1	35.0	34.6	33.3	33.0
17 Q	32.7	32.3	32.1	31.8	31.2	31.2	31.2	32.3	34.0	31.1	29.2	31.9	32.9	30.0	29.2	30.3	33.7	35.8	37.4	35.9	35.1	34.6	34.0	33.0	32.6
18 Q	32.6	32.0	32.0	31.9	31.0	32.3	31.5	31.0	30.5	30.6	30.5	30.6	30.5	30.8	31.4	31.9	32.8	33.0	33.8	33.3	34.0	33.7	33.3	33.0	32.0
19 Q	32.3	31.8	31.5	31.2	31.2	31.2	31.2	31.1	31.1	30.6	31.0	30.6	30.6	30.5	30.6	31.0	32.0	32.9	33.7	34.0	34.1	34.7	34.2	34.1	32.0
20	34.5	33.9	32.1	31.0	30.0	31.0	32.2	26.7	27.9	29.2	29.6	29.6	30.5	31.4	36.0	34.6	35.1	34.8	34.0	35.1	37.3	34.6	34.7	34.6	32.6
21	30.0	36.1	33.3	31.6	30.9	31.4	30.1	30.3	30.0	31.5	31.2	28.5	35.1	32.1	33.6	34.2	37.7	37.6	35.5	33.8	33.7	35.1	34.7	34.7	33.0
22	34.9	34.1	33.0	33.0	29.6	28.7	27.9	33.7	25.4	26.1	27.9	29.2	29.2	30.0	32.7	36.2	36.6	37.8	37.9	37.2	36.1	36.0	35.5	35.1	32.7
23	37.4	34.7	32.3	31.9	31.5	30.1	27.8	27.5	27.8	29.2	29.6	29.4	29.1	29.3	32.0	33.2	33.2	33.7	35.1	35.6	36.9	36.1	37.4	40.6	32.6
24	30.1	35.5	34.1	34.2	32.8	32.4	28.3	27.8	26.7	26.0	26.9	28.8	29.1	29.4	30.6	34.1	36.5	38.7	36.4	35.6	35.7	35.7	38.3	41.5	32.7
25 D	38.9	47.4	34.5	32.0	32.5	30.5	30.0	30.5	28.7	34.2	44.6	33.0	38.8	41.2	61.0	52.9	47.6	44.7	40.5	35.1	34.9	33.0	32.3	32.1	38.0
26	32.1	32.1	32.5	32.7	32.5	32.4	32.0	31.9	31.2	31.4	31.2	31.1	30.3	30.5	30.6	34.0	35.5	36.7	36.6	36.7	35.6	34.9	33.7	32.7	33.0
27 Q	32.4	32.1	31.4	29.7	30.9	32.3	32.4	32.8	31.8	31.1	30.7	29.6	28.7	28.8	28.7	29.9	32.7	34.9	35.5	35.5	35.1	33.7	32.9	32.8	32.0
28	32.7	32.1	31.4	31.9	31.9	31.9	31.9	31.0	30.3	29.6	31.1	29.4	27.8	27.3	28.8	32.1	33.7	37.0	37.6	37.3	36.4	35.1	34.7	32.4	32.3
29	32.1	32.0	31.4	31.2	31.0	27.6	28.8	30.9	30.1	30.5	30.9	30.6	29.7	34.1	33.3	29.2	35.4	34.6	34.8	35.1	34.7	33.1	33.2	32.3	32.0
30																									
31																									
Mean	31.9	32.0	31.8	31.1	31.4	31.2	31.4	31.9	31.3	31.2	31.4	30.9	30.9	30.9	32.5	33.9	35.8	36.7	36.9	36.3	36.1	35.2	34.5	33.2	32.9

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

Table 7 Agincourt

$Z = 56,000 \gamma +$

February 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	540	534	515	488	478	466	424	436	402	430	460	457	475	490	493	495	491	501	522	531	538	528	525	515	489	
2 D	505	502	496	488	484	484	486	456	439	466	485	489	489	493	489	486	491	491	497	504	504	507	503	501	489	
3 D	501	498	495	494	493	492	491	486	486	459	457	474	484	486	492	484	484	495	507	503	507	505	508	505	491	
4	503	499	498	496	495	494	493	496	497	496	496	495	496	496	493	487	493	499	495	499	504	502	500	499	497	
5	500	499	498	498	496	493	488	490	494	492	493	493	494	496	494	495	489	491	496	497	502	500	506	506	496	
6	504	502	502	502	499	497	496	487	479	488	490	490	487	488	488	485	486	489	496	500	509	512	518	521	496	
7	520	520	511	503	502	497	492	492	497	500	498	498	497	496	498	498	495	494	496	500	504	500	504	503	500	
8	503	502	503	503	499	494	490	492	494	494	493	496	498	497	492	487	490	492	497	502	505	510	508	514	498	
9	516	527	530	503	503	505	497	495	498	493	496	496	499	496	494	490	492	493	494	497	497	497	498	498	500	
10	499	501	503	503	500	497	497	495	495	494	494	494	496	494	492	491	494	494	494	497	504	501	501	504	497	
11	498	497	494	491	493	492	491	491	490	487	474	470	476	481	484	486	486	490	496	503	509	524	535	557	496	
12 D	552	527	513	506	512	495	488	497	498	495	494	494	491	480	477	474	487	488	492	494	497	493	492	493	497	
13	494	496	498	497	495	493	491	493	491	491	491	491	488	489	487	479	477	480	485	488	494	495	498	497	491	
14 Q	497	494	494	495	494	494	493	493	491	484	471	474	486	488	486	484	486	487	491	491	489	491	493	493	489	
15	494	494	489	491	491	491	491	489	486	468	470	475	484	483	484	474	476	477	483	489	491	489	489	490	485	
16	488	489	491	490	492	487	487	489	488	488	482	478	482	484	484	479	481	484	487	495	496	498	495	495	488	
17 Q	493	492	492	490	488	488	489	488	487	488	488	486	487	484	481	471	470	474	479	484	490	490	489	490	486	
18 Q	489	488	488	489	489	489	487	484	487	488	487	487	487	486	481	477	475	477	479	484	486	486	487	488	485	
19 Q	488	487	487	487	487	487	487	487	487	486	485	484	483	484	482	481	481	481	482	484	484	484	487	488	485	
20	492	507	525	526	512	498	468	484	504	500	496	492	489	489	487	482	487	485	489	492	496	498	500	504	496	
21	519	515	519	515	503	507	507	501	492	476	449	452	454	466	482	485	488	491	495	495	499	502	505	503	492	
22	503	506	514	515	512	506	496	461	449	481	485	478	485	482	478	474	479	485	491	493	500	499	503	508	491	
23	513	513	505	503	500	501	505	499	499	499	495	489	489	490	491	491	490	491	493	502	511	515	528	547	502	
24	537	537	521	523	520	514	511	508	501	488	494	505	507	501	495	492	497	502	499	499	503	505	520	514	508	
25 D	523	573	559	567	554	521	505	507	473	419	377	417	432	452	441	470	494	494	502	507	501	503	500	499	491	
26	499	500	498	498	498	498	497	497	496	496	496	496	496	496	497	497	495	492	496	501	510	514	508	504	500	499
27 Q	497	497	497	501	483	494	496	497	497	496	494	494	494	491	490	492	493	496	500	502	502	500	497	496	496	
28	494	496	495	490	491	492	494	494	492	491	489	489	490	491	494	494	491	496	497	496	498	497	496	496	494	
29	494	494	494	494	493	484	483	491	490	491	489	488	487	489	490	486	492	490	497	499	500	501	498	497	492	
30																										
31																										
Mean	506	507	505	502	499	495	491	489	486	484	482	484	487	488	487	485	488	490	495	498	502	502	504	505	494	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt

February 1940

Day	Horizontal Intensity							Declination						Vertical Intensity								
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range γ	Maximum 7° W +			Minimum 7° W +			Range '	Maximum 56,000 γ +			Minimum 56,000 γ +			Range γ	
	h.	m.	γ	h.	m.	γ		h.	m.	'	h.	m.	'		h.	m.	γ	h.	m.	γ		
1 D	03	51	312	17	53	203	109	08	43	53.8	00	07	18.2	35.6	20	15	560	08	46	357	203	
2 D	04	10	314	18	44	247	67	07	38	47.2	00	01	19.5	27.7	20	03	512	08	36	435	77	
3 D	09	47	314	17	43	228	86	16	45	39.9	00	14	19.6	20.3	20	57	514	10	01	445	69	
4	11	04	303	16	48	236	67	17	19	41.2	14	35	28.9	12.3	20	50	505	15	45	485	20	
5	06	24	313	14	54	260	53	19	37	37.2	23	09	23.1	14.1	23	08	510	06	43	486	24	
6	12	10	321	18	20	262	59	18	57	44.7	09	55	25.8	18.9	23	06	534	08	30	475	59	
7	23	47	313	01	03	266	47	16	58	38.2	01	24	15.5	22.7	01	04	543	06	10	487	56	
8	01	43	315	15	34	262	53	20	25	39.2	01	34	20.0	19.2	23	52	526	08	13	485	41	
9	03	44	318	00	26	266	52	16	08	37.4	03	35	14.3	23.1	02	03	539	03	45	477	62	
10	21	44	317	15	53	270	47	18	55	38.9	13	00	28.4	10.5	20	40	506	15	15	491	15	
11	11	37	322	23	59	268	54	23	47	45.0	11	45	25.7	19.3	23	55	581	11	15	468	113	
12 D	20	20	342	15	34	247	95	16	00	48.7	05	54	20.8	27.9	00	01	571	15	34	465	106	
13	06	00	322	20	28	274	48	20	43	36.6	23	37	24.1	12.5	23	35	501	14	52	474	27	
14 Q	22	06	309	16	20	284	25	10	18	37.7	03	50	28.7	09.0	00	15	499	10	50	463	36	
15	20	04	322	09	52	284	38	09	05	39.4	01	51	25.5	13.9	20	08	499	09	42	461	38	
16	05	33	321	16	26	276	45	16	50	37.8	04	25	28.5	09.3	21	35	500	11	19	475	25	
17 Q	23	03	315	18	36	276	39	18	40	38.7	13	43	28.2	10.5	00	15	494	15	50	467	27	
18 Q	11	38	315	20	00	298	17	20	25	34.1	13	40	30.1	04.0	01	10	490	16	30	474	16	
19 Q	23	03	325	20	56	303	22	21	57	35.5	12	56	30.1	05.4	19	02	490	16	25	480	10	
20	18	17	331	03	18	246	85	03	17	43.3	03	35	24.6	18.7	02	35	547	06	58	451	96	
21	03	39	325	16	13	263	62	01	53	41.5	00	55	20.3	21.2	00	40	540	11	50	440	100	
22	22	03	309	08	00	259	50	07	42	43.0	08	31	22.9	20.1	02	45	523	08	00	426	97	
23	22	45	327	05	43	270	57	22	58	50.2	05	55	24.9	25.3	23	56	557	12	00	485	72	
24	22	17	346	15	43	254	92	23	10	43.2	00	32	22.1	21.1	00	20	566	09	55	482	84	
25 D	01	18	369	10	02	167	202	14	05	63.1	09	06	21.4	41.7	01	57	631	10	15	328	303	
26	22	45	308	19	36	277	31	19	45	38.4	14	24	29.0	09.4	19	48	521	16	16	490	31	
27 Q	21	38	315	16	08	262	53	04	23	36.7	04	00	25.4	11.3	20	14	504	04	35	473	31	
28	03	56	322	16	17	281	41	17	48	38.3	13	09	26.3	12.0	20	30	501	04	00	481	20	
29	12	17	323	16	04	255	68	16	17	39.6	05	53	24.6	15.0	21	14	503	06	04	474	29	
30																						
31																						
Mean			321			260	61			41.7			24.0	17.7			526			461	65	
No. days			29			29	29			29			29	29			29			29	29	

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

Table 9 Agincourt

H = 15,000 γ +

March 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	312	308	306	303	305	320	300	300	306	310	313	307	302	299	290	282	276	274	279	285	294	300	309	314	300
2	314	313	309	307	309	313	314	308	310	313	314	320	322	314	302	297	287	284	290	300	309	306	313	314	307
3	314	309	306	307	306	316	308	309	312	313	313	316	314	305	290	278	274	281	295	301	313	304	314	319	305
4	315	315	316	316	319	318	315	313	313	313	316	320	319	305	289	281	273	267	273	283	294	307	307	309	304
5	302	299	299	311	306	307	307	308	311	308	306	306	307	302	299	288	281	286	292	299	309	312	312	312	303
6 Q	313	313	313	313	313	313	315	312	317	318	318	317	312	302	287	279	271	273	282	301	318	325	321	319	307
7 Q	321	321	319	313	312	309	312	312	312	312	312	306	299	299	294	286	281	286	293	301	308	314	318	313	307
8	317	306	309	314	307	300	305	301	300	299	298	300	300	298	285	278	278	287	300	320	327	318	304	317	303
9	277	265	269	238	255	253	253	259	266	264	266	272	275	266	265	256	260	274	291	298	311	306	304	298	272
10	298	301	304	295	295	295	291	289	288	290	288	288	292	286	279	274	270	280	288	301	311	311	311	311	293
11 Q	311	312	311	308	308	308	305	305	306	309	304	302	299	287	276	273	280	292	305	311	318	314	313	312	303
12	317	317	317	314	316	316	318	319	320	320	324	321	320	301	291	278	266	272	273	287	285	300	312	289	304
13	284	290	281	290	293	287	290	294	293	287	292	292	293	287	274	269	267	278	284	293	294	310	303	295	288
14	299	300	306	306	300	284	279	287	284	287	310	311	309	293	279	265	264	270	284	290	291	294	305	307	292
15 Q	310	311	310	310	310	310	308	308	310	310	310	309	303	294	285	278	277	279	284	284	297	303	310	311	301
16	317	318	317	314	315	310	308	310	311	313	310	310	306	297	295	286	286	290	297	300	293	294	298	293	304
17	300	304	306	306	306	306	307	310	306	307	308	310	304	299	287	280	278	284	294	299	304	310	312	316	302
18 Q	317	316	313	311	310	316	317	317	319	318	319	316	310	304	296	287	291	297	305	311	318	323	329	330	312
19	334	329	321	318	310	303	309	310	299	293	310	315	310	286	263	239	269	278	286	279	312	309	304	302	299
20	278	285	291	268	266	277	283	278	277	279	264	283	283	270	260	263	257	258	270	290	283	285	304	292	277
21	279	283	290	299	302	282	291	296	298	298	299	298	295	278	267	276	283	283	285	292	286	300	305	306	290
22	299	294	285	289	299	302	304	302	306	309	309	304	298	293	277	270	267	278	298	315	315	318	299	298	297
23	303	302	302	304	304	305	322	319	296	239	292	313	301	279	263	258	251	272	289	304	343	383	402	480	309
24 D	296	287	283	283	183	160	264	208	260	275	255	272	283	257	140	70			493	499		700			
25 D												149	177	212	221	235	230	223	234	239	344	405	453	488	
26	472	298	289	300	169	159	205	227	244	246	250	249	245	241	227	218	218	223	244	268	278	276	278	275	254
27	278	266	234	226	222	266	264	263	264	268	270	274	274	268	259	250	227	231	240	255	279	273	284	275	259
28	282	276	284	258	255	255	273	268	272	277	270	259	264	254	244	244	241	241	256	264	283	293	282	279	265
29 D	280	278	274	275	274	280	280	279	276	250	234	250	223	232	188	167	23	261	372	356	313	333	575	448	279
30 D	339	221	80				235	188						-40	119	66	156	225	242	284	280	337	319	307	
31 D	303	271	269	254	255	196	191	225	203	153				94	172	200	148	258	246	296	312	287	263	338	
Mean	309	301	299	297	292	293	296	293	297	294	297	299	296	287	274	267	259	273	287	296	303	308	320	316	294

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt

D = 7° W + . . . °

March 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	33.3	32.8	32.8	32.4	33.4	31.4	30.4	31.9	33.3	31.7	30.6	32.2	31.4	29.3	29.3	29.9	32.4	35.3	36.4	36.9	36.9	35.9	34.9	34.2	32.9
2	33.5	33.4	32.6	32.6	33.3	35.0	32.6	32.8	32.4	32.9	32.4	31.4	29.9	28.6	27.8	28.9	31.9	35.3	36.4	36.8	36.3	35.4	35.3	34.4	33.0
3	34.0	33.6	30.8	32.4	32.9	31.2	32.9	32.8	31.9	32.9	34.3	31.4	29.4	27.9	27.4	31.9	36.4	39.2	40.0	39.4	37.9	36.0	34.6	34.2	33.6
4	33.4	33.3	33.0	31.8	32.9	32.9	32.9	32.6	32.3	31.9	31.3	30.8	29.3	27.3	30.3	28.8	32.8	35.3	37.6	37.8	37.3	36.1	34.8	33.4	32.9
5	33.8	33.3	32.3	30.5	32.0	32.5	32.2	32.4	31.8	31.5	31.6	32.8	30.2	28.3	28.7	30.3	34.8	37.1	37.2	36.3	35.3	35.0	34.8	34.4	32.9
6 Q	34.2	33.4	33.2	33.0	32.8	32.7	31.6	31.8	31.5	31.2	30.7	29.7	28.3	27.2	26.9	30.3	34.6	37.8	39.5	38.5	36.8	35.8	35.2	35.2	33.0
7 Q	34.2	33.7	32.8	32.0	32.5	33.3	32.8	32.3	32.2	31.7	30.7	30.0	28.2	25.8	26.3	28.2	32.3	35.3	37.0	37.5	36.2	34.7	34.0	33.7	32.4
8	34.0	32.2	33.7	33.3	32.3	31.2	33.2	28.7	30.2	29.5	29.3	27.5	28.2	28.0	27.5	31.3	34.3	37.5	39.2	39.3	37.5	38.9	36.8	46.8	33.3
9	37.8	31.8	25.7	35.7	24.7	19.0	23.0	25.1	27.3	31.0	33.6	36.7	31.6	30.1	31.0	34.4	38.6	42.7	42.4	41.7	39.7	39.7	37.7	36.1	33.2
10	34.8	32.8	33.1	33.4	32.2	31.9	31.8	30.4	29.2	29.7	30.7	30.6	28.6	28.1	29.7	31.2	35.0	37.2	38.2	37.7	36.5	35.1	34.2	33.6	32.7
11 Q	33.1	32.6	32.4	32.6	32.4	32.7	32.2	31.8	31.9	31.3	31.4	30.2	29.2	28.2	29.1	33.0	36.6	38.1	37.7	36.7	35.7	34.7	34.4	33.8	33.0
12	33.2	32.8	32.7	32.6	32.2	32.1	32.6	31.2	30.5	30.5	29.4	28.6	27.6	26.4	26.5	29.2	34.1	38.7	41.7	43.0	41.7	42.5	37.7	35.2	33.4
13	34.6	32.1	22.1	31.6	33.0	30.9	31.6	34.0	32.3	33.7	31.3	31.3	31.1	28.1	28.2	32.6	36.1	36.3	37.5	37.3	36.1	36.7	38.0	37.0	33.1
14	36.1	33.5	33.4	33.3	31.2	34.6	30.8	27.4	29.0	35.7	28.5	28.5	27.7	27.6	29.0	33.0	36.5	38.5	38.0	37.7	37.3	37.1	34.9	33.5	33.0
15 Q	32.3	31.6	32.0	31.6	31.7	32.0	31.9	31.6	31.5	31.0	30.5	29.3	26.6	26.1	27.1	30.2	33.1	35.6	36.9	37.7	38.0	36.7	35.6	34.2	32.3
16	33.6	32.6	32.3	32.0	31.7	32.0	34.7	31.6	29.5	27.9	28.5	28.3	26.6	26.5	29.5	29.9	33.1	36.3	37.4	39.6	40.7	38.3	36.6	36.0	32.7
17	34.0	33.0	32.6	32.3	32.1	31.7	30.1	30.0	29.1	29.1	29.2	29.6	26.2	25.0	25.1	28.0	32.5	34.6	36.1	36.6	37.0	35.7	34.5	33.1	31.5
18 Q	32.7	32.5	32.7	32.8	32.7	32.4	31.7	31.3	31.2	30.7	30.1	28.9	26.8	25.7	26.2	30.1	34.2	35.2	36.2	37.1	36.6	35.6	34.7	34.6	32.2
19	34.1	33.2	31.1	29.6	30.4	29.9	29.7	27.7	22.2	19.9	24.0	25.7	25.6	23.7	25.8	33.0	41.2	42.4	45.6	45.1	39.7	36.7	40.8	44.4	32.6
20	36.1	29.8	28.7	21.4	31.6	30.2	33.1	32.7	33.3	31.0	37.4	37.2	31.7	29.1	32.7	32.4	34.6	38.0	37.7	37.8	38.2	36.6	34.7	32.2	33.3
21	30.2	34.2	33.6	30.9	28.5	29.1	31.4	31.8	31.4	32.1	31.6	29.1	26.6	26.2	30.1	34.3	35.7	37.1	37.2	37.1	36.2	34.7	33.4	33.2	32.3
22	31.9	27.6	29.3	31.8	32.0	32.2	32.4	33.7	34.5	30.2	30.3	29.2	28.2	27.2	27.8	32.5	35.2	37.3	37.5	36.8	37.8	36.7	37.3	36.7	32.7
23	34.7	33.5	33.6	31.9	29.8	37.7	34.3	30.2	20.3	27.7	28.8	26.1	22.8	24.2	26.6	31.3	35.8	41.3	40.8	38.6	35.2	35.1	28.5	20.9	31.2
24 D	25.8	25.3	29.2	27.5	58.0	48.5	31.3	43.7	36.2	33.0	37.0	33.1	25.8	30.5	26.1	26.1	18.8	15.0	10.0	18.8	29.2	21.9	15.9	9.5	28.1
25 D	26.2	58.5	5.5	40.6		55.1			39.7			44.3	29.0	25.2	29.7	34.7	37.7	36.5	39.5	40.0	34.3	34.3	32.2	22.5	
26	20.8	14.6	20.9	32.6	59.6	38.1	30.7	33.4	34.3	35.7	34.2	33.0	30.0	28.3	27.8	29.4	32.9	35.9	38.6	35.8	40.1	40.8	38.6	37.3	33.5
27	20.6	15.1	28.3	24.4	32.0	26.6	33.4	35.2	32.9	32.3	31.9	27.6	25.2	24.6	25.7	29.0	35.8	38.0	41.2	42.1	42.0	38.7	36.6	34.4	31.4
28	30.7	34.1	34.1	29.6	32.7	34.2	31.6	33.0	32.1	31.7	32.3	34.1	29.3	27.3	32.1	33.8	36.8	42.2	42.4	41.8	38.1	37.3	35.8	30.9	34.1
29 D	32.3	32.6	32.9	33.5	33.4	33.9	34.4	32.7	33.6	33.8	37.9	31.6	40.2	45.9	42.3	39.9	19.1	16.8	14.6	41.6	54.1	46.8	19.1	37.3	34.4
30 D	28.0	34.3	39.8	46.1	46.2	37.2	21.7	32.3	31.6	30.7	23.4	54.4	50.0	54.1	45.3	44.4	43.0	40.9	39.6	30.2	37.3	29.0	25.9	24.3	37.1
31 D	19.1	19.1	27.7	31.0	33.4	46.0	44.4	41.9	42.8	45.9	47.2	45.3	42.7	37.3	49.0	26.4	27.4	32.1	40.2	38.4	29.4	32.0	33.8	29.4	35.9
Mean	31.9	30.8	31.3	31.9	34.1	33.1	31.9	32.3	31.4	31.8	31.7	31.8	29.9	29.1	29.9	31.5	33.9	36.1	37.0	37.7	37.7	36.2	34.0	33.5	32.9

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

Table 11 Agincourt

Z = 56,000 γ +

March 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	494	492	492	494	494	477	477	488	490	489	489	489	489	489	491	491	490	490	492	495	496	497	497	496	496	491
2	494	493	491	492	490	486	485	491	491	489	488	490	487	485	483	481	479	478	480	483	490	493	492	492	492	488
3	490	490	491	490	489	478	484	490	490	487	485	485	487	488	489	488	490	493	496	496	496	495	493	492	492	490
4	491	491	490	490	490	490	489	490	490	490	491	492	492	497	498	491	490	489	490	491	492	495	495	497	492	492
5	496	497	498	492	490	492	491	491	491	491	490	490	490	487	486	484	486	490	494	495	495	492	491	492	492	491
6 Q	492	491	491	491	491	491	490	491	491	491	491	491	491	491	491	491	493	496	499	498	496	494	492	492	492	492
7 Q	491	491	491	491	494	492	492	492	492	491	491	491	491	491	488	488	485	485	485	490	491	491	491	492	492	490
8	493	495	496	493	491	496	488	481	492	491	491	492	493	491	488	487	488	491	491	494	500	514	525	584	498	498
9	568	593	512	380	467	470	459	472	477	479	472	482	485	487	485	485	491	492	494	498	509	508	506	503	491	491
10	503	506	503	509	505	503	503	505	504	500	499	499	499	499	498	494	493	495	500	499	500	499	499	498	500	500
11 Q	497	497	495	495	494	495	494	494	494	494	494	495	494	493	495	492	499	504	505	503	498	497	495	495	496	496
12	494	493	492	493	493	493	489	492	492	492	492	491	492	489	486	474	476	488	495	511	538	571	600	533	502	502
13	513	513	520	513	504	495	483	481	476	471	483	495	495	496	495	493	496	500	503	504	501	506	506	510	498	498
14	510	507	500	498	496	490	483	471	475	475	487	495	495	494	494	493	496	500	500	504	508	506	507	506	495	495
15 Q	501	500	498	498	498	498	498	497	497	495	495	498	498	496	495	490	490	488	488	490	493	496	498	498	495	495
16	495	494	494	495	496	498	490	483	490	492	493	493	493	490	484	481	481	487	490	493	494	500	506	502	492	492
17	500	498	497	497	498	498	495	492	488	488	491	494	496	496	494	491	491	492	493	494	495	495	496	496	494	494
18 Q	496	495	494	494	495	493	491	494	494	493	493	494	494	496	496	487	488	488	488	488	494	495	494	492	493	493
19	491	494	496	496	496	497	489	484	465	458	476	490	495	490	485	482	485	490	509	525	537	532	535	580	499	499
20	610	548	542	538	522	512	502	468	461	468	444	436	477	495	502	502	504	512	531	536	544	528	518	526	509	509
21	529	536	522	510	495	503	506	506	503	500	502	502	502	498	498	498	495	493	492	497	498	502	502	503	504	504
22	507	503	508	507	502	500	500	495	492	495	498	499	500	497	496	491	492	494	498	502	506	518	513	506	501	501
23	504	503	500	499	498	487	503	451	428	435	462	481	491	489	490	493	496	503	504	508	523	623	741	761	516	516
24 D	654	573	486	495	379	363	448	379	455	478	477	493	504	495	443	572	646	686	772	707	649	546	634	403	531	531
25 D	267	288	415	627	545	486	503	456	649	609	385	431	582	578	555	570	569	572	573	564	607	663	682	664	535	535
26	671	544	618	600	491	509	487	517	534	544	547	550	547	538	532	526	524	527	547	567	557	546	542	544	546	546
27	556	544	571	481	497	528	540	536	531	528	530	532	532	528	520	514	511	515	516	522	534	547	556	553	530	530
28	535	532	488	514	492	472	488	498	522	521	521	518	521	522	521	517	517	518	524	529	536	535	534	540	517	517
29 D	535	532	531	525	518	521	521	518	470	432	444	444	466	478	490	524	911	846	605	642	665	658	589	558	558	558
30 D	659	568	493	505	293	417	530	568	381	375	346	316	352	452	513	545	595	617	606	606	604	681	626	647	512	512
31 D	629	463	531	536	525	440	466	476	430	411	-250	251	399	505	523	533	611	683	625	610	613	573	563	647	491	491
Mean	522	505	505	505	488	484	492	489	490	487	458	477	490	497	497	500	509	528	530	523	527	532	538	535	504	504

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt

March 1940

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range γ	Maximum 7° W +		Minimum 7° W +		Range	Maximum 56,000 γ +		Minimum 56,000 γ +		Range
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	05 42	328	17 46	269	59	20 00	37.0	05 40	26.4	10.6	21 10	499	05 50	465	34
2	12 07	324	17 17	282	42	05 03	37.4	14 53	25.9	11.5	02 26	495	18 00	478	17
3	23 02	328	16 17	269	59	18 54	40.7	14 11	26.4	14.3	20 16	501	05 25	474	27
4	11 51	321	17 04	266	55	19 00	38.3	13 48	25.5	12.8	14 06	501	18 05	485	16
5	03 31	319	16 38	280	39	17 56	37.8	03 28	25.8	12.0	02 25	499	15 00	482	17
6 Q	22 06	332	16 40	268	64	18 40	39.8	14 15	26.3	13.5	18 35	501	07 00	486	15
7 Q	00 20	325	16 14	280	45	19 36	37.5	14 32	25.2	12.3	22 04	497	18 00	482	15
8	23 04	356	16 12	274	82	23 34	51.7	11 50	26.3	25.4	23 37	607	07 00	469	138
9	20 40	323	03 10	164	159	03 09	72.0	02 36	06.1	65.9	02 00	621	03 12	290	331
10	22 52	317	16 10	268	49	18 14	38.4	08 54	27.1	11.3	03 20	510	16 00	493	17
11 Q	20 23	324	15 20	272	52	18 00	38.4	13 23	27.3	11.1	18 24	509	15 15	491	18
12	22 43	343	18 33	259	84	21 54	45.5	13 42	24.4	21.1	22 36	663	16 02	471	192
13	21 34	314	16 01	263	51	23 00	38.3	02 16	15.6	22.7	02 08	530	09 30	468	62
14	22 36	313	15 50	258	55	09 17	41.1	08 27	25.0	16.1	00 47	512	09 38	465	47
15 Q	23 56	314	16 14	274	40	20 06	38.1	13 00	25.0	13.1	00 17	503	18 00	487	16
16	00 52	323	20 20	280	43	20 12	41.0	13 09	26.1	14.9	22 34	507	14 58	478	29
17	22 52	317	16 04	274	43	20 00	36.6	13 30	25.0	11.6	00 23	502	09 33	486	16
18 Q	23 34	331	15 54	286	45	19 42	37.4	13 30	25.1	12.3	13 56	497	16 00	486	11
19	20 07	344	15 37	221	123	23 58	48.2	09 00	16.2	32.0	23 59	603	09 12	448	155
20	23 07	311	17 00	246	65	00 04	48.4	03 20	07.1	41.3	00 20	669	10 43	426	243
21	04 20	316	15 10	264	52	02 00	38.4	05 05	22.2	16.2	01 41	544	04 30	485	59
22	21 27	331	16 06	265	66	20 37	39.2	01 41	19.9	19.3	21 20	524	08 55	489	35
23	23 26	610	09 26	123	487	22 18	44.7	23 40	05.5	39.2	23 13	888	09 18	263	625
24 D											18 00	1388	06 00	338	1050
25 D											03 50	1312	03 00	096	1216
26	01 00	648	04 46	064	584	04 01	71.1	01 00	05.6	65.5	00 30	710	04 00	426	284
27	00 47	308	04 33	167	141	03 35	44.4	00 50	00.6	43.8	03 02	612	03 35	415	197
28	02 02	315	05 12	225	90	18 52	43.6	02 00	00.6	43.0	01 30	577	05 06	398	179
29 D	22 20	682	16 08	001	681	17 15	73.5	17 00	00.6	72.9	17 40	970	22 55	262	708
30 D	00 05	540									00 13	793	03 50	-167	960
31 D	00 33	510									00 31	788	10 30	-309	1097
Mean		360		236	124		44.4		19.0	25.4		639		387	252
No. days		27		27	27		27		27	27		31		31	31

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

Table 13 Agincourt

H = 15,000 γ +

April 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	245	249	255	180	118	149	171	229	137	36	200	226	232	212	225	219	239	259	256	265	283	286	286	277	218	
2 D	275	278	278	282	273	272	270	262	264	265	258	250	249	247	237	245	250	270	306	408	372	356	383	296	285	
3 D	278	277	52	-2	-61	-61	-51	50	149	206	244	244	257	244	241	238	257	277	315	346	278	306	280	274	194	
4	272	277	277	272	270	270	273	277	252	259	254	271	272	267	256	254	254	257	267	287	291	292	293	287	271	
5	288	289	294	287	283	282	283	288	286	279	286	289	289	275	254	241	238	243	263	281	287	293	296	293	278	
6	279	288	293	296	298	287	286	285	289	281	283	286	277	262	248	244	252	262	274	286	287	293	288	294	280	
7 Q	298	297	296	296	296	296	297	297	297	294	293	293	284	270	255	245	250	263	282	294	288	298	297	299	287	
8 Q	300	300	298	298	297	296	298	298	300	300	302	298	293	277	259	250	255	267	279	289	300	304	303	303	290	
9 Q	301	297	295	297	298	298	301	302	302	301	302	301	293	278	264	252	252	262	273	284	296	306	308	306	291	
10 Q	302	301	302	304	303	303	306	304	305	306	305	305	301	287	267	257	270	288	301	307	312	311	311	306	298	
11	308	308	306	306	306	306	304	306	311	311	305	297	299	289	279	272	282	292	306	311	312	313	308	307	302	
12 Q	306	306	306	308	307	308	308	311	310	310	310	308	306	298	283	277	279	293	306	311	315	316	313	318	305	
13	314	308	304	303	301	310	306	308	308	313	306	294	289	269	284	287	272	272	281	296	304	310	306	310	293	
14	302	301	294	282	273	274	290	296	284	284	291	299	292	287	273	259	249	258	277	289	292	303	308	311	286	
15	298	293	295	304	293	293	294	286	288	291	296	302	292	277	238	244	276	285	286	296	302	308	310	306	290	
16	293	268	272	277	280	294	285	288	284	291	296	291	280	272	258	254	258	271	284	304	304	300	307	297	284	
17	298	293	289	292	294	293	292	287	286	287	289	286	279	274	262	259	274	294	308	317	313	304	303	302	291	
18	306	299	301	301	296	298	296	292	292	294	291	295	291	278	269	267	272	277	284	291	297	309	311	317	293	
19	323	313	301	301	296	299	301	304	301	294	293	293	284	279	284	291	301	308	302	295	294	297	303	306	298	
20	308	306	298	305	308	306	307	299	306	312	313	311	308	297	286	293	306	320	325	322	316	313	306	313	308	
21	334	332	325	323	318	316	320	322	325	325	322	316	307	292	283	276	277	286	306	323	320	317	317	299	312	
22	291	286	278	277	270	267	263	228	245	289	294	288	288	267	234	239	242	262	287	298	307	308	303	303	276	
23	306	298	299	302	302	301	301	301	297	296	296	295	282	281	279	274	274	278	286	296	302	312	321	310	295	
24	287	284	291	293	296	296	299	301	298	301	299	291	273	249	250	260	270	277	291	297	303	302	306	288		
25 D	307	306	328	338	215	283	273	272	288	290	291	287	279	267	263	267	272	275	279	341	451	527	496	472	320	
26 D	288	269	224	219	222	211	161	158	190	190	246	236	236	219	221	238	259	275	288	308	359	337	325	306	249	
27	287	271	263	267	273	265	262	264	263	258	263	273	265	244	245	248	254	263	275	283	290	296	298	297	269	
28	293	284	286	284	289	288	292	293	292	287	286	296	292	277	254	248	270	277	278	287	288	293	310	307	285	
29	296	279	282	296	304	284	286	295	294	294	293	286	288	286	277	279	283	291	296	306	307	303	303	307	293	
30	306	304	303	306	307	308	306	306	307	296	289	296	304	290	272	275	296	316	316	306	316	313	308	301	302	
31																										
Mean	296	292	283	280	271	273	273	277	278	278	287	287	283	271	260	258	266	277	289	304	309	314	314	308	294	

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7° W + . . . '

April 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1 D	6.7	29.0	14.7	23.5	33.4	34.5	45.3	30.4	37.8	82.7	50.7	35.3	33.5	37.5	40.7	41.4	40.5	37.4	36.4	35.5	34.5	35.0	33.7	33.7	36.2		
2 D	33.6	32.2	32.5	34.1	33.9	34.7	35.5	32.4	33.5	32.9	31.2	31.9	30.8	30.5	32.9	35.7	37.3	39.9	34.0	21.4	37.7	40.9	41.4	34.5	34.0		
3 D	31.7	34.8	51.7	40.7	47.1	53.1	58.1	41.7	20.9	34.5	31.7	27.9	25.4	29.7	29.7	36.2	36.9	40.9	39.9	42.0	43.7	40.4	41.1	36.8	38.2		
4	35.5	35.5	34.9	34.1	32.5	33.0	31.6	31.1	37.3	37.8	34.1	28.6	25.7	27.5	30.8	36.5	40.3	41.5	39.7	37.8	36.1	34.1	32.6	32.6	34.2		
5	31.6	32.0	32.5	32.6	31.2	32.5	34.3	32.5	29.8	32.8	32.7	29.1	26.4	25.5	27.8	34.1	38.8	41.8	40.0	37.9	36.5	33.0	32.8	32.6	33.0		
6	24.9	31.0	33.1	32.6	40.0	35.1	29.8	29.6	27.6	27.8	26.9	27.0	24.6	25.6	29.3	34.5	38.7	40.8	40.9	39.5	37.8	35.3	33.9	33.5	32.4		
7 Q	33.5	33.2	32.9	32.9	32.8	32.8	32.3	32.2	31.1	31.8	30.6	28.0	25.1	24.9	26.5	31.4	36.2	38.5	38.8	38.9	37.7	34.6	33.2	33.2	32.6		
8 Q	33.2	32.4	32.3	31.9	31.8	31.0	31.5	31.2	29.7	29.7	28.8	26.2	24.3	24.3	26.6	30.5	36.8	41.0	41.9	41.7	39.6	36.7	34.7	33.3	32.6		
9 Q	32.2	32.4	32.4	33.6	32.9	32.7	32.1	32.1	31.6	30.8	29.9	27.0	25.1	23.1	27.0	31.1	36.7	39.8	41.6	42.0	39.6	36.7	34.2	32.6	32.9		
10 Q	32.3	32.8	33.0	33.1	32.7	32.4	32.6	30.7	30.7	30.6	29.3	27.1	24.6	23.9	26.6	30.9	35.6	38.0	39.6	39.6	37.7	35.7	33.9	32.9	32.3		
11	32.9	33.6	33.2	33.1	32.7	32.1	31.8	31.6	30.1	29.2	28.4	25.6	24.6	24.5	25.0	29.2	35.7	39.9	40.2	39.9	37.9	36.7	33.9	32.9	32.2		
12 Q	33.4	32.9	32.8	32.4	32.3	32.0	31.1	30.7	30.8	30.0	28.2	26.8	25.8	26.1	27.0	30.6	33.6	35.5	37.3	37.4	36.3	34.7	34.5	33.7	31.9		
13	32.8	34.4	34.0	33.0	30.5	28.6	28.0	29.4	28.8	28.5	28.8	29.6	28.9	30.4	34.7	34.0	34.1	38.2	40.5	41.4	40.1	38.3	37.3	35.4	33.3		
14	32.0	30.7	30.3	24.4	28.0	28.0	27.5	30.0	26.6	30.4	26.4	25.7	26.0	23.6	26.0	27.7	33.5	38.2	37.8	39.0	39.0	38.0	35.7	33.5	30.8		
15	35.5	35.4	33.3	32.4	30.5	31.7	31.7	27.5	31.6	34.4	29.4	24.6	24.4	26.8	28.0	36.4	37.7	36.3	38.6	40.6	40.2	39.3	38.5	32.4	33.2		
16	31.7	28.0	27.4	28.7	25.6	31.3	30.7	30.7	32.3	31.4	27.7	26.4	25.6	25.6	27.5	31.0	34.1	37.5	39.6	37.7	36.7	35.0	33.2	33.5	31.2		
17	34.2	33.8	30.6	28.9	31.8	32.1	36.4	31.5	29.4	29.6	27.8	28.1	26.5	27.9	32.3	36.8	39.9	40.6	40.9	40.5	38.1	37.2	35.3	33.6	33.5		
18	33.2	34.6	34.0	33.6	33.6	32.8	31.4	31.2	31.1	30.1	28.4	27.8	29.4	29.8	32.5	36.4	39.1	41.0	42.6	41.6	38.9	37.4	35.5	33.4	34.1		
19	32.5	34.6	34.8	34.3	31.4	29.8	30.5	30.5	28.1	28.1	27.8	25.6	24.9	27.5	29.8	34.8	37.8	37.8	37.9	37.9	37.5	35.7	34.4	32.7	32.4		
20	32.1	32.1	31.8	31.6	33.8	31.3	30.5	29.5	28.6	27.4	26.7	25.3	24.9	22.7	27.1	32.7	36.6	41.1	43.6	41.9	39.7	36.7	34.6	33.6	32.3		
21	33.6	33.6	33.1	32.6	31.7	31.6	31.6	30.7	29.5	28.7	27.1	25.7	27.3	26.4	28.1	32.8	37.8	40.8	41.7	39.5	38.4	37.5	34.6	30.5	32.7		
22	32.6	30.7	28.6	31.4	27.6	28.1	25.7	37.4	37.8	31.6	27.6	25.6	25.6	24.1	31.4	36.1	39.6	44.3	44.8	42.8	39.4	36.5	33.8	32.1	33.1		
23	31.9	30.5	30.9	33.8	33.7	33.5	32.8	32.6	31.9	30.6	28.4	26.5	26.4	30.8	30.2	32.5	36.6	38.7	40.1	38.9	37.6	35.8	33.9	34.8	33.1		
24	32.7	34.7	33.2	31.6	31.9	32.6	32.9	32.6	32.2	32.8	30.7	27.5	24.4	23.7	23.7	32.7	37.5	39.8	40.7	40.6	39.1	37.5	35.9	34.0	33.3		
25 D	33.0	32.8	30.7	7.6	38.2	24.7	25.8	30.8	27.3	26.6	24.5	22.2	22.6	23.8	27.5	29.6	35.5	37.6	36.7	37.9	27.4	26.9	30.7	29.4	28.7		
26 D	18.2	28.2	24.6	29.7	27.6	34.7	36.5	36.8	34.7	39.2	33.8	35.5	34.5	35.9	33.8	33.3	34.8	37.8	42.2	41.9	37.4	34.2	32.8	34.4	33.8		
27	33.0	32.7	31.7	32.1	30.7	30.9	31.3	31.9	29.0	27.9	23.8	22.9	22.0	23.6	26.6	31.6	36.0	39.0	40.6	42.0	40.9	38.6	34.7	33.8	32.0		
28	33.7	28.3	32.6	32.1	32.8	32.3	31.6	30.6	31.3	31.5	29.9	26.8	25.0	24.6	28.3	33.6	38.3	39.8	40.5	39.0	38.5	36.9	33.8	30.8	32.6		
29	21.9	28.3	30.8	29.3	23.8	27.9	31.9	32.1	30.8	30.3	29.8	30.3	28.2	29.8	31.9	35.0	38.8	39.7	40.1	38.3	36.8	35.1	34.9	34.3	32.1		
30	33.9	33.8	33.3	32.3	32.7	31.9	30.7	29.5	28.6	30.7	31.9	29.8	27.7	27.5	30.0	36.6	39.7	38.3	38.8	38.3	37.1	35.9	35.3	33.0	33.2		
31																											
Mean	31.0	32.3	32.0	31.1	32.5	32.3	32.8	31.7	30.7	32.7	29.8	27.5	26.3	26.9	29.6	33.5	37.1	39.4	39.9	39.1	37.9	36.2	34.8	33.2	32.9		

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

Table 15 Agincourt

$Z = 56,000 \gamma +$

April 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	636	536	502	430	442	393	389	470	421	309	352	443	503	503	513	528	541	551	565	564	559	552	554	556	492
2 D	551	541	534	531	529	533	527	534	532	528	533	529	529	531	531	535	541	545	566	659	643	658	694	607	560
3 D	569	496	341	548	370	294	323	444	472	537	553	541	543	542	542	542	546	548	557	566	546	534	528	532	500
4	535	533	536	545	540	542	539	533	487	487	500	519	523	525	523	527	540	544	543	546	546	540	539	534	530
5	532	530	530	522	494	493	504	514	522	524	527	524	527	523	524	524	525	528	529	535	540	541	539	537	524
6	532	530	525	519	478	467	491	500	507	510	513	522	520	519	518	517	520	522	525	528	530	532	528	525	516
7 Q	525	523	521	520	520	521	521	521	520	521	523	523	524	524	519	518	518	517	521	528	524	520	521	521	521
8 Q	521	520	519	519	520	519	519	519	518	518	517	517	518	518	514	510	510	514	518	519	520	521	521	522	518
9 Q	523	521	520	519	519	519	519	519	518	518	519	521	521	517	512	508	507	507	508	512	517	520	518	517	517
10 Q	517	518	517	517	515	515	511	514	517	514	517	517	514	513	511	499	497	501	505	508	513	514	517	517	513
11	518	518	516	515	515	515	515	516	515	515	513	516	515	509	503	494	501	503	506	510	518	521	519	518	513
12 Q	515	514	514	513	513	513	513	514	514	511	512	514	515	515	509	507	507	511	513	511	515	518	518	518	513
13	518	519	519	519	513	495	514	518	515	514	514	509	506	505	504	493	497	503	507	515	524	525	521	520	512
14	521	517	517	511	502	475	454	476	496	487	487	497	503	510	510	507	510	509	508	513	514	515	520	526	503
15	523	525	525	507	506	503	504	505	502	487	484	505	509	505	503	516	515	514	519	526	535	542	543	552	515
16	559	555	533	510	458	486	512	496	507	510	513	516	517	522	522	519	516	523	525	527	530	532	529	527	519
17	527	526	525	504	505	513	492	496	509	517	520	520	519	519	519	522	526	526	529	533	533	531	528	525	519
18	527	525	521	520	519	520	520	518	520	521	521	523	522	521	515	506	496	494	500	506	511	517	520	521	516
19	521	520	524	529	526	522	522	520	520	517	520	517	517	509	503	495	497	497	497	503	511	516	521	520	514
20	520	516	516	516	497	503	510	510	513	514	514	511	511	504	500	500	495	492	500	505	511	512	514	514	508
21	518	512	511	510	509	509	508	509	512	511	511	511	511	509	511	512	509	506	509	514	522	530	540	548	515
22	537	534	533	512	505	462	411	353	425	472	497	501	500	505	505	507	508	510	513	523	529	527	524	524	497
23	521	525	524	518	517	516	516	516	517	517	519	521	521	519	512	512	510	512	515	521	529	539	542	551	521
24	551	53	52	522	518	517	517	517	517	516	517	517	517	512	509	509	511	512	511	515	521	527	524	522	519
25 D	520	517	507	319	304	492	517	522	519	526	523	519	518	516	513	511	511	516	545	613	713	731	683	691	535
26 D	516	546	412	467	493	487	463	466	447	440	478	482	487	497	507	510	517	532	546	571	625	600	582	575	510
27	583	571	569	554	546	548	532	531	526	522	516	522	524	525	525	516	515	517	524	529	536	543	543	538	536
28	538	540	539	534	529	525	523	525	528	525	528	526	523	519	518	515	513	512	514	520	529	532	538	546	526
29	537	539	541	524	501	491	500	509	521	523	523	513	510	511	508	506	511	517	514	519	523	524	525	525	517
30	524	521	523	521	520	520	519	518	513	503	497	494	498	503	507	513	521	521	523	523	525	529	536	539	517
31																									
Mean	535	527	515	510	497	497	497	503	505	504	509	513	516	515	514	513	515	517	522	532	540	541	541	539	517

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt

April 1940

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum			Minimum			Maximum			Minimum			Maximum			Minimum					
	15,000 γ +			15,000 γ +			7° W +			7° W +			56,000 γ +			56,000 γ +					
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ	γ		
1 D	20	06	318	09	25	-035	353	09	40	<u>92.1</u>	02	15	-03.5	95.6	00	01	765	09	10	216	549
2 D	19	42	456	14	35	233	223	22	57	49.6	19	45	15.5	34.1	22	50	<u>906</u>	23	00	496	410
3 D	19	30	375	06	00	<u>-109</u>	484	03	15	75.1	08	00	13.2	61.9	03	28	615	03	50	<u>-107</u>	<u>722</u>
4	02	36	320	08	08	243	77	17	22	41.8	12	30	24.9	16.9	03	34	549	08	50	471	78
5	02	30	303	17	34	233	70	17	30	42.4	13	00	24.5	17.9	21	07	545	04	57	466	79
6	04	15	318	15	02	243	75	05	00	42.6	00	28	19.0	23.6	00	07	537	05	28	453	84
7 Q	21	46	306	15	25	243	63	19	00	40.3	12	43	22.8	17.5	19	19	528	16	15	517	<u>11</u>
8 Q	21	26	306	15	47	245	61	18	02	42.3	13	40	23.7	18.6	18	55	526	16	30	508	18
9 Q	22	06	312	15	55	247	65	19	20	42.0	13	25	23.0	19.0	01	17	523	16	30	505	18
10 Q	22	38	317	15	05	254	63	19	00	39.9	13	08	23.4	16.5	22	38	520	16	20	497	23
11	21	11	318	15	30	268	50	18	00	40.4	13	20	23.0	17.4	21	10	524	15	48	493	31
12 Q	21	36	322	15	40	273	<u>49</u>	19	00	37.6	12	04	25.2	<u>12.4</u>	21	34	520	14	55	506	14
13	05	16	321	13	52	258	63	19	30	41.5	05	50	26.2	15.3	21	17	527	05	07	487	40
14	23	04	317	16	50	247	70	19	36	39.4	03	31	17.4	22.0	23	30	527	06	43	431	96
15	22	33	321	15	08	217	104	19	38	41.0	12	09	21.8	19.2	23	32	561	09	58	469	92
16	20	26	323	15	07	248	75	18	30	40.3	04	08	15.5	24.8	00	58	567	04	30	425	142
17	19	27	320	15	23	255	65	18	08	41.6	03	00	18.7	22.9	20	38	535	06	28	478	57
18	23	27	325	15	30	264	61	18	30	42.6	11	25	27.5	15.1	23	28	527	16	55	493	34
19	00	22	325	13	26	276	<u>49</u>	16	32	38.6	12	05	23.7	14.9	03	30	532	16	00	494	38
20	19	42	341	14	50	232	59	18	24	44.1	13	07	21.5	22.6	00	10	520	04	35	487	33
21	00	17	360	15	54	269	91	18	08	42.3	11	39	24.1	18.2	23	20	557	16	40	505	52
22	21	30	311	08	18	198	113	18	15	46.5	13	12	22.0	24.5	00	01	542	07	50	328	214
23	22	23	326	15	13	268	58	18	40	40.3	12	30	24.2	16.1	23	50	557	16	50	510	47
24	21	08	313	14	30	240	73	18	54	40.8	13	38	21.7	19.1	00	10	560	14	57	506	54
25 D	21	40	<u>694</u>	04	34	124	<u>570</u>	03	58	52.7	03	33	<u>-31.8</u>	84.5	21	26	820	03	57	146	674
26 D	20	35	390	06	00	-056	446	06	00	80.7	00	42	-16.8	97.5	00	31	682	02	35	322	360
27	21	40	306	13	48	229	77	19	38	42.3	12	34	20.3	22.0	00	17	618	16	30	512	106
28	23	00	322	14	43	243	79	17	56	41.8	01	17	21.0	20.8	23	59	555	17	30	507	48
29	20	00	313	01	29	266	47	18	00	40.8	00	06	13.9	26.9	00	01	555	05	40	484	71
30	20	47	326	14	33	264	62	19	00	40.2	12	54	25.0	15.2	22	30	539	11	02	490	49
31																					
Mean			341			214	126			46.1			17.7	28.4			578			437	141
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 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	294	293	297	293	293	296	292	289	291	280	288	292	287	278	279	279	287	293	301	302	315	313	316	308	294
2	304	299	297	288	296	295	283	292	292	293	291	293	292	284	278	274	276	281	287	292	298	297	294	297	291
3 Q	304	294	298	305	295	294	301	294	301	297	287	284	292	289	283	283	288	293	296	301	304	304	313	311	296
4 Q	307	302	307	302	303	302	306	306	302	301	306	304	299	293	288	288	289	293	296	304	308	315	313	311	302
5	302	304	303	308	308	306	305	301	292	298	307	308	303	288	281	279	286	294	311	326	315	311	313	311	303
6 Q	310	309	308	306	306	306	306	307	308	308	308	306	298	291	282	275	277	288	302	313	316	315	311	311	303
7	311	311	316	318	317	323	296	299	294	292	296	294	293	287	281	284	296	304	303	304	317	318	315	320	304
8	316	308	298	296	301	306	304	306	307	308	312	316	311	296	277	278	289	297	306	314	316	311	314	311	304
9	312	301	303	296	279	277	296	298	301	305	308	302	288	267	279	284	282	283	291	301	313	322	318	320	297
10	318	316	315	316	317	308	302	296	294	313	301	298	301	301	291	284	292	303	313	325	326	318	316	298	307
11	304	294	296	284	293	291	292	302	289	296	288	283	287	284	277	271	283	297	306	318	323	313	308	313	295
12	313	296	297	294	304	277	260	288	293	274	281	297	302	284	267	246	270	292	308	308	306	317	323	300	292
13	301	292	293	297	296	297	291	292	289	289	296	293	291	284	292	294	287	274	290	302	321	327	316	311	296
14	292	277	287	291	291	277	262	289	282	280	293	287	284	282	282	268	273	289	301	313	304	306	308	302	288
15	296	299	308	312	292	279	277	275	264	269	286	287	286	292	267	259	277	292	308	330	336	303	324	298	293
16	284	279	287	296	301	301	301	301	303	302	299	296	286	275	268	269	279	296	315	323	328	330	325	321	299
17	311	313	312	306	311	296	301	299	296	301	306	301	301	293	277	273	289	308	328	328	354	337	321	316	308
18 D	316	299	297	308	306	298	272	206	177	216	264	255	220	257	254	243	238	257	265	277	289	294	293	296	266
19	301	278	292	296	293	292	293	296	301	291	294	296	288	272	264	262	272	279	287	301	315	301	311	308	291
20	308	309	297	297	303	297	295	299	304	305	308	307	298	291	250	262	264	270	285	300	313	313	314	313	296
21	309	312	309	299	302	293	297	298	297	300	304	303	289	278	268	270	289	308	326	326	321	323	314	309	302
22 D	314	303	279	246	178	200	118	261	292	256	250	247	279	275	259	254	264	288	316	307	317	326	318	302	269
23 D	303	300	302	307	307	302	307	309	312	312	314	312	304	293	285	281	288	303	332	394	345	353	333	331	314
24 D	328	322	323	327	279	234	304	302	226	107	185	234	225	212	220	209	239	280	283	287	338	353	324	298	268
25	302	275	309	285	283	287	290	293	295	297	294	287	279	275	276	273	273	294	314	323	331	321	307	313	295
26 D	306	309	307	295	290	259	307	296	298	295	297	309	293	276	270	273	289	285	308	336	350	366	370	350	306
27	310	278	286	285	285	284	293	289	285	281	285	280	284	274	269	279	294	299	304	312	328	328	315	327	294
28	299	295	296	274	252	283	283	288	288	295	291	274	276	275	265	265	279	285	290	304	314	305	307	310	287
29	303	295	289	294	298	295	295	293	285	291	295	291	281	279	274	270	267	277	303	303	314	310	299	301	292
30 Q	299	298	298	297	298	296	298	300	301	303	304	304	298	291	277	270	269	279	291	312	319	320	318	304	298
31 Q	308	306	299	300	300	303	303	300	299	298	299	299	293	288	286	285	289	295	304	308	310	315	315	310	300
Mean	306	299	300	297	293	289	288	292	289	286	292	292	287	281	273	270	278	290	302	313	320	319	316	311	295

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt

D = 7° W + . . . '

May 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	34.7	33.8	33.9	34.9	33.5	33.3	30.8	30.0	25.9	26.3	24.8	24.3	25.0	27.8	32.8	34.1	36.9	37.9	40.9	39.7	37.7	35.8	34.0	33.8	32.6
2	35.8	33.4	31.8	31.2	32.1	29.1	30.0	30.8	30.8	29.9	26.1	23.9	23.8	24.8	26.7	29.9	35.3	38.4	40.2	39.1	37.8	35.6	33.9	32.7	31.8
3 Q	32.1	32.7	32.6	31.9	32.6	32.9	32.4	36.9	33.9	29.9	27.8	26.0	24.3	26.8	31.1	36.4	38.9	40.0	39.2	38.2	37.0	35.6	33.8	32.5	33.2
4 Q	32.9	32.9	31.0	30.9	31.8	31.8	32.8	31.1	30.0	29.0	29.1	27.0	26.7	27.1	29.1	33.0	36.0	37.7	38.4	38.1	36.9	35.7	34.3	32.8	32.3
5	31.8	31.0	32.1	32.2	32.9	31.8	31.8	31.6	35.0	32.9	28.4	25.8	24.8	26.9	29.4	33.4	37.8	39.8	41.0	39.2	36.7	33.6	32.7	31.8	32.7
6 Q	31.9	32.6	32.5	32.7	32.7	31.8	32.1	32.1	30.6	29.0	27.0	24.5	23.3	23.0	25.8	28.7	33.1	36.7	39.4	39.1	37.4	35.8	33.8	32.6	31.6
7	31.8	32.5	32.5	33.0	32.9	30.0	29.1	32.9	27.0	26.1	25.0	23.2	24.3	26.9	29.9	32.9	36.5	38.9	40.9	40.7	38.6	36.9	34.5	32.1	32.1
8	32.7	33.5	30.5	28.9	30.8	31.9	32.2	31.1	30.0	28.5	27.1	24.9	24.1	24.6	28.0	33.1	36.9	39.1	39.8	38.8	37.1	35.3	33.2	31.2	31.8
9	31.0	30.3	31.4	29.1	26.8	25.1	29.0	31.2	30.4	28.8	27.0	24.8	25.0	29.2	35.3	37.0	35.5	37.2	38.5	37.7	36.1	34.0	33.2	32.5	31.5
10	32.9	33.9	33.8	33.2	31.0	30.0	28.0	25.0	25.8	23.9	24.0	25.8	25.3	28.5	31.5	35.9	37.0	39.9	39.9	38.5	38.5	34.8	36.7	35.0	32.0
11	34.9	34.2	24.2	34.0	32.8	28.3	30.1	31.4	34.8	32.2	27.8	24.0	26.1	26.6	29.0	33.6	36.9	38.0	38.0	36.8	35.1	35.2	34.5	33.2	32.1
12	31.1	32.8	28.3	31.6	28.7	28.4	40.6	29.9	31.0	32.0	28.1	26.0	26.2	28.2	30.4	32.3	36.2	37.8	38.6	39.3	38.1	36.2	32.6	33.1	32.4
13	31.3	30.5	31.8	31.9	28.3	30.7	33.9	31.3	30.9	30.2	26.9	25.1	25.8	25.6	29.8	29.3	30.1	33.5	36.1	38.3	38.0	34.7	34.1	34.1	31.3
14	34.4	32.2	32.3	33.7	31.6	32.7	34.9	28.0	32.6	30.3	29.1	28.5	26.4	28.0	27.3	31.6	35.9	37.3	37.8	37.3	37.1	35.8	33.0	32.9	32.5
15	33.1	31.0	30.4	26.0	24.0	22.3	24.8	22.4	20.3	28.1	25.3	23.0	26.2	27.1	28.1	33.8	36.6	37.2	38.1	38.3	35.9	37.2	36.2	35.3	30.0
16	33.1	29.9	32.0	33.3	33.9	33.1	32.2	32.0	31.2	31.0	29.1	27.3	27.2	28.6	31.2	34.9	37.3	38.1	38.6	38.1	36.1	34.1	33.9	32.9	32.9
17	32.1	32.8	34.2	34.2	32.0	31.2	31.8	28.6	26.7	24.2	22.3	24.0	24.4	25.6	30.2	37.0	38.0	39.3	40.4	41.9	38.1	35.5	34.1	36.5	32.3
18 D	29.1	26.1	31.1	28.1	32.3	26.2	24.2	32.8	45.7	21.1	19.0	17.0	26.3	28.1	29.8	34.0	38.6	41.0	41.3	38.6	34.1	31.0	28.9	27.9	30.5
19	27.7	27.5	33.2	31.3	33.8	34.4	34.0	35.3	33.1	31.2	26.2	22.4	20.6	24.2	29.3	33.3	36.2	37.6	40.0	36.9	33.4	29.3	28.2	29.5	31.2
20	31.1	31.0	33.3	33.3	30.7	26.2	32.1	32.0	31.7	30.0	26.3	24.7	23.4	25.0	28.7	35.3	37.2	42.3	41.3	40.9	38.6	35.8	33.0	31.2	32.3
21	31.6	32.3	32.4	25.2	23.0	31.3	33.3	32.5	31.3	30.1	27.3	25.1	24.2	26.2	29.5	34.3	38.1	39.6	41.3	41.1	39.2	36.1	33.3	31.1	32.1
22 D	32.0	24.5	21.4	23.5	41.7	28.0	52.3	34.2	31.2	38.7	33.1	30.2	26.4	25.0	28.4	34.7	38.0	39.2	38.5	38.2	35.5	33.1	31.4	32.2	33.0
23 D	32.5	32.4	33.3	29.3	27.5	31.2	32.1	33.0	34.9	29.4	24.8	23.2	23.2	23.8	25.2	30.5	35.7	38.7	34.8	39.0	45.1	38.2	36.9	36.3	32.1
24 D	35.5	36.3	35.2	23.7	31.3	30.1	20.4	29.1	40.1	37.2	20.8	20.3	24.0	26.2	25.6	33.7	38.9	37.1	38.9	43.8	36.2	30.0	33.2	31.4	31.6
25	30.6	30.3	28.2	29.1	28.8	31.4	32.7	33.3	33.8	31.4	29.5	28.1	27.5	28.3	28.5	31.4	34.4	35.4	36.5	38.2	36.0	34.6	35.4	34.0	32.0
26 D	34.2	31.3	28.4	27.4	29.4	36.8	31.6	28.2	35.6	37.5	32.0	26.4	27.1	28.8	31.4	35.2	33.6	38.5	41.4	38.8	36.9	36.2	31.6	28.5	32.8
27	29.5	28.2	30.4	32.5	33.2	43.8	31.5	30.5	29.8	29.6	26.4	25.6	25.1	25.5	28.2	30.9	34.3	37.3	37.3	34.4	34.1	34.2	34.6	29.2	31.5
28	33.3	34.0	30.5	29.4	21.4	29.5	30.1	36.0	29.2	27.1	25.5	25.4	24.8	25.4	27.3	32.4	35.8	38.8	38.3	37.5	38.1	35.4	34.2	33.1	31.4
29	31.5	28.8	31.1	32.5	33.3	32.5	32.5	33.3	33.5	32.0	28.1	26.3	25.5	24.5	24.4	28.5	32.5	36.0	38.3	39.4	37.5	37.4	36.4	33.3	32.0
30 Q	32.9	32.3	32.2	32.0	32.6	33.1	32.9	32.5	32.6	31.6	28.9	26.2	24.4	23.6	26.2	31.2	35.5	38.4	41.4	40.5	39.6	37.5	34.6	33.5	32.8
31 Q	32.2	31.1	31.3	32.3	32.2	32.3	34.3	32.6	31.6	30.2	28.3	26.4	25.4	24.6	25.3	27.5	32.4	36.5	37.5	38.3	37.5	35.8	34.3	32.8	31.8
Mean	32.3	31.5	31.2	30.7	30.9	31.0	31.9	31.3	31.6	30.0	26.8	25.0	25.0	26.2	28.8	32.9	36.0	38.2	39.1	38.8	37.2	35.0	33.7	32.5	32.0

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

Table 19 Agincourt

$z = 56,000 \gamma +$

May 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	540	536	529	527	524	524	520	514	513	517	521	523	518	513	507	504	509	513	523	526	530	526	533	531	521	
2	530	531	531	533	530	508	521	526	525	524	524	521	517	514	514	509	517	523	525	525	527	526	526	525	523	
3 Q	523	520	518	511	516	517	517	500	488	501	508	509	508	508	507	502	506	508	513	519	522	520	523	521	512	
4 Q	520	520	514	514	517	518	511	507	514	515	516	514	514	509	507	504	508	514	516	518	520	519	521	520	514	
5	521	511	517	513	512	512	514	513	505	503	509	509	510	512	513	509	512	509	507	510	515	518	520	520	512	
6 Q	517	515	513	513	513	512	512	510	512	515	516	515	512	510	511	515	512	508	509	512	518	520	521	518	514	
7	515	513	513	512	510	486	495	475	475	501	507	508	503	502	501	495	498	503	507	509	516	520	520	520	504	
8	518	521	528	524	524	516	515	514	512	514	517	518	515	514	512	505	507	504	505	507	510	514	518	518	515	
9	515	518	518	512	491	504	514	520	518	519	519	517	508	502	504	502	496	497	507	513	520	521	518	518	511	
10	518	516	514	514	512	496	466	491	502	494	508	505	499	497	498	490	490	498	508	520	536	551	555	545	509	
11	542	543	529	505	488	499	502	497	503	513	504	502	502	505	508	504	496	498	503	514	529	531	528	532	512	
12	533	529	522	492	457	464	402	449	486	492	498	516	512	509	510	502	502	504	510	518	521	531	544	547	502	
13	547	546	537	526	516	502	505	516	516	519	519	519	516	510	509	508	512	508	513	525	541	563	558	552	524	
14	556	555	541	523	519	505	473	503	481	499	515	510	508	514	516	507	508	505	510	518	523	522	527	525	515	
15	519	519	513	484	473	486	496	485	484	490	480	489	495	498	501	511	508	510	511	536	557	550	557	561	509	
16	562	553	534	526	520	519	520	517	517	517	514	514	513	510	507	513	517	514	519	526	526	524	521	522	522	
17	520	521	519	516	510	509	504	514	514	518	518	509	503	500	504	500	499	510	520	532	549	550	550	551	519	
18 D	568	517	532	516	519	435	493	422	342	460	481	481	434	438	488	511	517	530	534	532	532	530	529	534	495	
19	539	540	528	504	509	517	520	508	491	513	524	522	520	516	510	503	506	517	526	532	541	550	543	527	521	
20	523	523	521	517	514	502	506	514	518	520	521	518	514	513	500	501	506	515	522	526	527	524	522	519	516	
21	517	518	516	511	493	510	515	516	517	518	520	520	516	514	511	515	517	514	520	524	529	524	527	527	517	
22 D	524	527	498	452	327	293	263	417	495	441	447	494	518	524	527	522	518	528	540	535	535	530	525	524	479	
23 D	524	524	523	511	501	512	521	521	510	514	519	520	516	510	507	505	508	511	511	541	535	547	536	524	518	
24 D	521	521	523	482	238	315	519	535	456	271	300	398	426	463	498	522	536	548	567	581	616	608	571	554	482	
25	550	537	501	507	518	523	522	519	517	521	524	519	513	513	510	507	510	513	522	527	538	528	522	522	520	
26 D	519	524	521	511	500	374	466	472	494	472	488	495	501	507	498	500	505	515	529	548	569	599	642	619	515	
27	541	548	563	544	504	442	498	521	523	518	521	518	522	519	518	522	522	517	512	511	525	534	542	563	523	
28	555	548	545	471	483	516	467	476	508	526	526	512	507	512	511	511	515	516	515	524	531	537	536	538	516	
29	538	532	529	528	518	502	512	511	516	522	523	519	516	512	511	511	509	509	516	522	531	534	529	524	520	
30 Q	521	518	518	516	517	517	516	518	518	523	523	523	516	514	513	511	511	516	522	522	519	528	532	528	519	
31 Q	525	522	522	519	517	516	511	510	513	518	519	517	517	512	511	511	511	508	510	516	520	523	524	522	516	
Mean	532	529	524	511	494	486	494	501	500	500	504	509	507	507	508	508	510	513	519	525	533	536	536	534	513	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Agincourt

May 1940

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum			Minimum			Maximum			Minimum			Maximum			Minimum					
	15,000 γ +			15,000 γ +			7° W +			7° W +			56,000 γ +			56,000 γ +					
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ			
1	22	30	325	13	20	277	48	18	20	41.1	10	37	23.8	17.3	00	33	543	15	00	503	40
2	05	08	312	15	38	268	44	18	50	40.2	12	23	22.8	17.4	02	40	536	05	34	506	30
3 Q	22	18	319	14	43	278	41	07	30	41.7	12	27	23.6	18.1	22	04	524	08	07	482	42
4 Q	22	54	325	16	11	287	38	19	14	38.6	11	40	25.9	12.7	22	54	525	07	15	502	23
5	19	42	330	14	39	278	52	18	38	41.0	12	26	23.0	18.0	00	10	523	09	03	498	25
6 Q	21	07	319	16	06	274	45	18	53	39.9	13	06	22.2	17.7	21	54	521	18	03	508	13
7	05	16	334	15	07	279	55	18	26	41.2	11	48	22.9	18.3	21	30	524	09	05	461	63
8	19	53	321	14	36	269	52	18	55	40.0	13	12	21.9	18.1	02	15	531	17	25	502	29
9	21	20	333	05	03	263	70	15	07	39.2	05	15	21.1	18.1	21	31	525	04	50	483	42
10	20	04	337	17	29	283	54	17	33	41.3	10	03	21.0	20.3	21	46	558	06	10	443	115
11	20	48	332	15	27	268	64	04	00	41.0	02	51	14.8	26.2	01	08	551	04	13	466	85
12	22	04	330	06	26	229	101	06	18	51.1	04	20	19.0	32.1	00	03	559	06	25	374	185
13	20	52	357	17	10	272	85	20	04	39.3	04	57	23.3	16.0	21	28	566	05	20	496	70
14	19	18	321	06	08	246	75	05	58	40.0	12	42	24.8	15.2	01	06	562	06	42	454	108
15	19	59	345	15	23	247	98	19	24	40.3	08	20	18.1	22.2	23	59	566	04	30	469	97
16	22	03	336	14	50	267	69	18	48	38.7	12	14	26.3	12.4	00	01	565	14	25	506	59
17	20	33	365	15	00	264	101	19	27	43.0	10	28	21.1	21.9	23	59	559	14	21	493	66
18 D	05	47	346	08	04	090	256	08	01	69.8	11	04	11.6	58.2	00	50	576	00	02	301	275
19	20	28	327	15	31	255	72	18	15	40.7	12	28	20.0	20.7	21	47	563	08	09	478	85
20	20	43	332	14	53	236	96	17	28	43.4	12	27	21.9	21.5	20	42	533	14	48	497	36
21	19	05	351	14	42	265	86	18	23	41.8	04	05	07.3	34.5	19	12	529	04	26	479	50
22 D	21	26	337	06	36	010	327	06	33	80.9	02	00	04.2	66.7	18	46	545	07	18	145	400
23 D	19	10	428	15	26	280	148	20	28	48.2	12	12	22.4	25.8	19	18	555	04	23	492	63
24 D	20	18	375	09	21	055	320	09	04	58.0	03	50	00.5	58.5	20	52	646	04	25	204	442
25	20	56	354	16	11	261	93	02	51	39.1	02	19	09.8	39.3	00	14	574	02	23	471	103
26 D	22	20	387	05	38	203	184	18	00	45.3	23	59	07.2	38.1	22	25	671	05	43	280	391
27	00	07	381	05	05	241	140	05	06	49.3	00	01	06.8	42.5	02	25	567	05	10	411	156
28	20	48	322	03	52	244	78	03	20	46.3	04	00	09.6	36.7	00	12	561	03	15	424	137
29	20	37	319	15	55	264	55	19	20	40.4	13	58	22.8	17.6	00	51	542	05	22	499	43
30 Q	21	20	329	13	12	266	63	19	08	41.5	13	23	22.5	19.0	22	33	537	15	40	510	27
31 Q	21	53	320	15	03	283	37	19	43	38.1	13	46	23.9	14.2	00	55	526	18	09	504	22
Mean			340			242	98			44.5			18.2	26.3			554			447	107
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 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	313	310	306	308	308	306	303	304	303	308	304	295	290	288	283	298	312	319	330	328	325	310	308	307		
2	309	311	304	288	281	272	282	292	295	296	294	286	276	270	263	274	295	312	322	332	339	334	315	299	298	
3	296	296	295	298	297	298	300	303	303	300	299	296	298	308	290	284	294	306	310	317	322	325	327	322	304	
4 Q	300	306	299	303	306	306	309	312	310	313	320	322	315	304	291	281	281	289	304	316	323	332	325	320	306	
5	321	318	315	318	316	320	320	313	309	304	317	318	316	302	287	289	296	304	318	335	333	361	357	349	318	
6 D	339	296	282	281	198	212	233	248	219	226	266	270	282	278	251	239	253	261	280	324	350	374	381	366	280	
7 D	311	294	263	243	271	278	292	294	284	265	266	278	277	269	263	266	271	258	271	301	299	315	315	347	283	
8	328	292	285	290	287	299	296	287	275	287	295	296	285	261	251	245	243	266	274	295	314	325	328	309	288	
9	299	296	299	309	292	281	296	296	267	241	270	231	282	271	266	256	259	270	280	318	313	330	334	316	289	
10	306	294	294	295	294	297	296	296	295	297	301	304	296	285	278	270	275	287	296	302	311	313	311	311	296	
11 Q	307	307	307	301	302	299	301	301	297	297	300	304	299	287	273	274	285	290	295	305	311	313	309	302	298	
12	310	311	302	300	301	301	302	303	302	300	306	310	312	310	293	283	286	305	314	319	308	327	322	310	306	
13	310	312	315	317	316	316	316	316	317	315	319	320	314	305	295	286	293	305	317	322	327	329	325	310	313	
14 D	317	312	312	310	320	319	317	320	327	321	321	320	301	295	293	264	291	298	307	358	395	440	413	346	326	
15 D	297	268	258	264	245	234	210	248	256	237	233	256	269	256	260	246	246	277	301	286	301	308	303	304	265	
16	316	316	308	285	293	299	295	291	266	269	277	275	276	267	254	261	261	269	288	300	328	330	319	320	290	
17	310	311	310	298	293	297	307	282	287	297	298	291	291	283	273	282	274	266	285	318	331	314	319	309	297	
18	305	303	308	280	242	238	167	274	301	305	288	288	283	274	262	244	252	272	300	314	317	332	320	317	283	
19	312	307	310	316	300	290	297	315	298	300	300	302	286	297	267	256	270	288	311	328	331	320	314	303	301	
20 Q	298	305	306	306	303	297	301	303	304	308	306	301	296	287	282	272	266	271	288	308	319	325	320	310	299	
21 Q	310	310	312	305	305	302	308	302	309	310	310	303	300	293	281	279	277	288	306	324	330	329	324	319	306	
22	312	312	314	315	315	316	310	305	306	312	319	334	351	330	301	297	308	328	331	341	345	350	331	340	322	
23	345	305	305	310	310	307	302	303	302	307	310	312	311	305	293	282	278	292	312	324	343	334	321	311	310	
24	318	334	321	310	270	304	300	300	310	315	314	311	299	287	287	272	271	281	296	304	314	329	330	325	304	
25 D	309	311	306	266	233	136	241	265	296	237	247	252	170	-58	285	160	209	257	253	344	318	293	294	287	242	
26	285	275	275	272	280	277	275	277	286	260	282	285	276	266	262	266	281	295	295	311	306	321	321	291	284	
27	301	304	302	294	281	280	281	287	280	281	282	280	271	271	265	254	265	277	281	302	306	301	304	296	285	
28	309	304	295	293	291	289	286	291	287	281	286	292	291	285	281	281	291	305	311	314	307	309	307	310	296	
29	311	310	309	307	306	306	305	305	301	304	306	307	301	290	281	280	285	290	320	329	324	329	328	324	307	
30	316	319	295	291	299	305	305	305	301	300	299	300	296	286	275	280	294	304	297	310	323	335	325	313	303	
31																										
Mean	310	305	300	296	288	286	288	295	293	290	295	296	290	275	273	266	275	287	299	317	324	330	325	316	297	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt

D = 7° W + . . . ' /

June 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	32.2	32.3	32.0	32.6	32.1	31.9	31.3	31.6	32.6	29.1	27.4	25.4	24.4	25.2	27.5	32.3	36.5	38.6	40.3	38.9	36.4	33.6	31.0	30.4	31.9	
2	31.5	31.8	32.1	32.1	32.7	29.1	29.0	30.9	31.1	30.6	25.4	23.3	24.2	24.8	33.4	41.6	45.9	45.0	42.6	39.4	37.6	33.6	31.5	31.5	32.9	
3	32.7	33.3	34.2	33.5	33.5	33.1	32.3	31.3	30.3	28.3	26.5	23.4	22.6	24.4	27.9	32.3	36.2	40.4	42.3	38.9	35.6	32.6	30.9	29.3	31.9	
4 Q	29.5	29.2	31.4	32.6	33.4	33.1	32.6	31.4	31.3	29.1	26.6	24.9	24.3	24.2	27.1	31.4	36.4	40.2	39.6	37.5	35.6	33.5	31.4	30.3	31.5	
5	30.9	31.9	32.2	32.3	32.4	32.0	31.6	29.1	28.9	25.5	23.9	21.9	20.6	25.5	26.4	28.8	32.7	37.4	39.0	39.4	39.2	36.8	35.1	33.4	31.1	
6 D	35.0	29.3	27.8	25.1	36.7	27.8	28.1	22.3	30.0	33.2	25.7	25.4	25.0	23.0	26.1	35.7	37.3	37.3	40.2	38.5	38.0	34.7	30.7	34.0	31.1	
7 D	36.7	25.3	24.7	19.2	17.7	28.6	28.8	31.3	33.1	41.3	34.8	21.6	18.2	16.4	20.3	26.7	30.7	36.4	39.4	37.2	36.2	34.6	34.8	25.7	29.2	
8	24.5	25.1	29.2	29.1	29.0	30.7	33.0	32.0	35.3	32.7	27.4	24.0	22.8	22.0	25.6	25.9	31.6	34.6	38.5	41.0	41.8	39.7	34.2	33.5	31.0	
9	34.3	33.3	32.5	30.3	17.6	28.7	33.4	33.9	38.7	48.3	37.0	26.4	20.3	18.8	20.3	25.6	31.3	35.7	37.5	37.0	39.3	34.2	30.7	30.4	31.5	
10	26.3	28.1	31.4	32.4	31.6	32.3	33.1	37.4	33.2	30.5	27.8	25.7	25.5	26.7	29.1	33.7	36.5	37.5	38.2	38.5	37.0	35.5	34.5	32.3	32.3	
11 Q	31.7	31.4	32.9	31.8	31.7	31.4	31.7	31.4	30.5	28.1	26.2	22.7	22.3	22.6	25.5	29.0	33.3	36.8	38.3	38.7	37.9	35.9	34.0	31.7	31.2	
12	30.8	31.5	32.8	32.7	32.8	32.2	31.6	31.3	30.7	29.3	26.7	26.6	24.8	23.6	23.8	29.4	33.1	36.7	39.4	39.8	39.6	35.8	34.2	32.5	31.7	
13	31.5	31.9	31.7	31.9	31.8	31.5	31.4	30.7	30.6	29.3	26.7	23.6	22.8	24.5	27.9	32.6	34.8	36.5	36.6	35.8	34.4	31.6	30.6	30.6	30.9	
14 D	30.6	31.5	31.3	26.6	30.4	30.5	31.4	34.3	32.9	21.7	17.9	17.8	16.7	21.8	25.9	31.0	32.4	33.4	39.4	37.5	33.4	31.5	30.8	33.7	29.3	
15 D	28.0	28.1	29.1	24.1	21.5	30.8	33.8	28.4	29.8	32.4	38.4	32.2	25.2	24.8	29.9	27.4	31.8	38.0	34.5	36.1	35.1	33.9	33.4	32.1	30.8	
16	31.1	28.8	32.8	30.0	32.1	31.9	32.6	34.2	41.6	30.6	25.9	24.3	21.7	23.5	30.3	34.5	37.7	39.9	41.4	39.1	37.1	33.6	33.8	32.1	32.5	
17	30.9	32.6	28.8	23.4	27.8	31.5	37.4	26.5	29.1	27.6	29.2	28.9	27.4	26.5	33.5	35.0	35.1	38.6	40.4	39.1	35.5	34.2	30.8	28.9	31.6	
18	29.9	31.4	28.8	22.4	35.1	29.1	39.3	34.3	35.5	31.7	29.3	29.0	26.4	27.1	30.4	33.8	37.3	39.1	40.4	40.2	37.6	33.3	31.4	31.1	32.7	
19	31.5	31.3	29.3	28.5	30.7	26.9	30.9	34.2	34.2	29.4	27.9	25.7	27.6	25.2	26.1	34.5	36.4	39.6	39.2	38.4	37.1	34.7	30.5	29.5	31.6	
20 Q	30.6	30.7	31.6	29.8	28.7	30.1	33.1	32.6	33.6	31.5	28.1	26.1	25.1	25.7	28.1	33.0	35.2	37.2	39.4	40.7	39.8	36.2	32.6	31.7	32.1	
21 Q	31.2	31.2	28.9	26.6	31.2	30.9	29.2	30.3	31.3	29.2	26.1	24.8	24.4	25.5	28.1	31.5	37.9	42.1	40.3	37.6	34.7	32.6	31.6	30.2	31.2	
22	31.7	31.8	33.2	33.2	32.5	33.4	30.8	31.9	30.2	28.9	25.9	26.0	18.7	18.2	23.0	29.9	34.7	37.6	41.0	41.6	39.7	37.5	35.8	33.9	31.7	
23	34.5	26.8	29.5	31.9	33.5	31.6	31.6	31.8	29.9	28.7	26.0	22.9	21.9	22.8	26.6	30.5	35.3	39.2	38.9	38.8	35.9	34.6	34.2	33.2	31.3	
24	34.7	30.7	34.2	30.8	37.6	26.3	30.3	32.5	31.0	26.2	26.7	26.3	25.8	30.4	26.7	24.2	29.7	32.9	34.3	32.8	33.5	33.0	30.2	26.7	30.3	
25 D	28.6	29.7	28.7	28.9	24.6	45.6	27.1	21.1	22.0	24.6	18.5	20.0	42.2	77.8	27.6	33.4	41.8	25.9	29.3	20.0	29.8	29.7	27.4	29.0	30.5	
26	28.3	27.9	27.2	26.3	30.4	28.4	27.9	35.6	30.3	35.8	28.3	25.1	23.2	25.0	27.9	29.3	30.5	32.3	34.4	33.4	34.1	32.8	35.3	33.9	30.1	
27	31.7	29.7	28.3	29.9	31.7	31.3	31.4	31.0	31.6	30.6	29.6	28.7	28.4	26.5	28.7	31.3	33.1	36.4	38.3	38.2	36.6	35.8	33.4	31.9	31.8	
28	30.4	29.3	31.8	32.3	32.4	31.9	31.9	31.6	31.7	31.5	29.4	27.5	27.4	27.5	28.6	31.7	32.8	34.4	38.4	37.8	36.7	35.4	34.1	33.1	32.0	
29	32.9	32.8	32.2	32.0	31.8	30.5	31.9	32.2	31.1	29.6	28.1	26.8	26.1	26.4	28.7	31.7	35.1	37.4	34.8	37.0	36.8	35.7	33.7	31.9	32.0	
30	31.5	28.1	22.0	26.1	26.6	30.2	32.1	32.1	31.3	30.5	28.4	26.9	25.7	24.7	27.4	31.4	34.1	35.0	37.3	35.4	34.1	31.5	31.1	30.4	30.2	
31																										
Mean	31.2	30.2	30.4	29.3	30.4	31.1	31.7	31.3	31.8	30.5	27.5	25.1	24.4	26.0	27.3	31.3	34.9	37.1	38.5	37.5	36.5	34.3	32.5	31.3	31.3	

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

Table 23 Agincourt

$z = 56,000 \gamma +$

June 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	519	518	516	516	515	513	513	513	513	516	516	512	506	502	501	499	493	499	506	514	519	526	526	525	512	
2	517	517	518	522	522	517	523	528	525	525	523	517	506	505	508	516	520	518	516	526	535	546	548	538	522	
3	531	526	522	519	519	518	519	519	519	522	522	519	514	512	506	508	514	520	520	516	516	522	525	524	519	
4 Q	526	528	522	522	518	516	517	514	517	522	524	522	519	516	513	514	519	520	518	520	525	523	520	518	520	
5	517	517	514	514	514	514	496	506	509	517	520	519	514	512	507	503	503	504	509	512	520	535	544	549	516	
6 D	589	591	553	525	372	421	456	481	447	425	456	485	500	515	517	512	509	524	538	582	603	607	614	615	518	
7 D	608	583	559	476	446	454	514	530	512	481	471	503	515	520	519	516	512	519	526	542	550	565	555	574	523	
8	538	545	549	535	510	471	490	500	512	521	522	526	526	524	526	517	520	525	527	549	559	562	571	543	528	
9	527	520	520	517	485	512	517	517	499	444	446	483	500	512	517	515	517	515	526	544	544	550	549	541	513	
10	531	519	519	519	518	517	509	494	507	516	521	523	524	524	526	517	513	512	514	518	521	523	524	526	518	
11 Q	525	521	514	516	515	514	514	514	514	517	519	515	519	515	510	506	502	506	507	513	514	520	526	520	515	
12	521	521	518	518	517	514	514	513	514	514	518	519	518	514	513	515	513	510	507	510	514	521	521	520	515	
13	520	518	518	516	517	515	514	514	515	519	520	519	518	517	518	510	505	503	507	519	524	527	527	521	517	
14 D	521	518	518	513	513	515	513	507	451	477	497	508	507	506	490	495	498	501	546	616	662	664	632	609	533	
15 D	591	576	483	486	408	406	400	401	458	457	456	475	486	501	508	512	522	518	524	536	531	528	527	524	492	
16	532	546	501	528	521	508	509	493	442	460	485	501	509	514	510	510	507	513	519	523	538	544	536	540	512	
17	537	528	524	505	513	516	461	446	475	509	518	510	500	501	507	512	510	513	524	527	531	531	527	530	511	
18	525	519	519	497	438	420	383	442	459	478	504	507	508	503	506	516	510	509	516	525	528	532	530	525	496	
19	520	519	515	498	488	469	484	497	495	498	497	501	491	498	501	507	507	513	514	524	530	526	528	531	506	
20 Q	526	522	521	517	509	508	514	515	517	519	521	522	523	524	519	519	513	511	515	519	522	521	522	523	518	
21 Q	520	521	515	512	509	508	499	505	511	519	519	519	518	516	515	515	517	519	521	523	524	527	523	522	516	
22	519	520	517	516	514	504	504	508	513	519	520	508	498	493	492	493	489	493	502	506	514	520	528	539	509	
23	557	557	519	520	520	519	519	519	519	515	514	513	506	507	504	502	504	502	510	516	520	529	529	519	519	
24	532	508	509	519	437	456	504	502	474	496	513	511	499	490	486	493	502	516	531	558	547	544	563	564	511	
25 D	546	534	524	409	411	283	361	453	514	423	498	455	411	247	454	484	511	526	545	620	544	543	537	541	474	
26	552	550	502	519	482	496	492	487	486	496	505	514	519	526	531	527	526	525	525	528	529	535	538	532	518	
27	534	528	518	511	522	523	523	520	516	521	522	527	527	532	528	532	535	533	527	526	526	528	534	533	526	
28	534	529	527	526	526	524	523	524	523	522	523	529	527	525	524	515	516	526	528	522	517	520	523	523	524	
29	523	523	522	523	522	521	520	517	516	520	522	522	523	517	518	518	517	515	515	512	516	518	517	518	519	
30	517	525	517	510	516	520	521	520	518	520	518	517	515	515	516	512	512	512	509	517	527	535	535	533	519	
31																										
Mean	535	531	520	511	494	490	494	500	500	500	507	510	508	504	510	511	511	514	520	532	535	539	539	538	515	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt

June 1940

Day	Horizontal Intensity						Declination						Vertical Intensity									
	Maximum			Minimum			Maximum			Minimum			Maximum			Minimum						
	15,000 γ +			15,000 γ +			7° W +			7° W +			56,000 γ +			56,000 γ +						
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ				
1 Q	19	37	338	15	23	281	57	19	00	40.6	12	50	23.8	16.8	21	42	528	16	30	489	39	
2	20	24	347	14	45	250	97	17	08	46.4	11	26	22.7	23.7	21	50	554	13	10	504	50	
3	23	35	335	15	18	281	54	18	04	42.9	12	32	20.3	22.6	00	01	534	15	50	506	28	
4 Q	21	20	335	16	09	276	59	18	00	40.6	13	04	23.4	17.2	00	58	530	15	20	490	40	
5	21	27	401	14	41	284	117	20	07	40.2	12	40	19.1	21.1	23	59	555	06	34	484	71	
6 D	21	58	396	09	08	131	265	04	44	66.6	04	00	13.5	53.1	23	05	636	04	30	230	406	
7 D	23	46	369	03	16	215	154	09	43	46.7	04	45	01.6	45.1	00	18	631	04	58	383	248	
8	00	11	352	13	18	227	125	20	24	42.5	00	01	14.5	28.0	22	25	580	05	26	459	121	
9	22	40	340	09	54	220	120	09	44	50.3	04	12	15.3	35.0	21	40	556	09	55	419	137	
10	21	07	325	15	38	269	56	07	34	41.6	00	57	22.0	19.6	00	01	537	07	35	481	56	
11 Q	20	47	320	15	00	269	51	19	05	39.0	12	00	21.0	18.0	22	23	526	16	27	500	26	
12	21	56	337	16	00	282	55	19	17	41.2	14	21	21.8	19.4	22	00	525	18	30	503	22	
13	21	55	353	15	32	282	71	18	06	37.1	12	27	21.9	15.2	21	55	538	16	50	497	41	
14 D	21	09	472	15	33	219	253	18	03	42.8	12	16	14.1	28.7	21	12	692	08	27	436	256	
15 D	00	06	321	06	54	177	144	06	52	48.5	04	38	02.6	45.9	00	30	597	06	52	308	289	
16	20	50	349	14	17	243	106	08	39	42.7	01	48	18.6	24.1	01	48	586	19	05	422	164	
17	20	35	337	14	15	254	83	06	16	43.8	03	06	20.1	23.7	00	01	545	07	45	432	113	
18	21	10	343	16	20	017	326	06	21	72.7	03	25	15.7	57.0	21	53	537	06	20	225	312	
19	20	08	339	15	25	242	97	17	38	42.3	14	20	22.7	19.6	23	07	536	05	17	458	78	
20 Q	21	27	328	16	35	262	66	19	28	40.7	12	06	24.4	16.3	00	17	531	05	03	505	26	
21 Q	20	40	336	16	35	273	63	17	47	43.0	12	22	23.8	19.2	21	25	527	06	45	496	31	
22	12	31	365	15	07	286	79	18	44	41.9	12	37	14.6	27.3	23	59	541	15	02	485	56	
23	00	44	358	16	25	277	81	18	54	39.5	12	00	21.2	18.3	01	00	568	17	40	501	67	
24	01	22	344	04	27	241	103	04	22	42.0	14	38	21.7	20.3	22	48	578	04	50	373	205	
25 D	19	37	418	13	30	-165	583	13	25	116.3	11	21	04.1	112.2	19	50	646	13	25	043	603	
26	21	35	348	09	20	247	101	09	17	38.3	02	55	19.9	18.4	00	08	562	04	28	463	99	
27	02	44	320	15	30	248	72	18	38	38.3	02	35	23.6	14.7	16	40	539	02	53	501	38	
28	19	05	324	15	11	276	48	18	15	39.1	14	36	26.1	13.0	00	49	539	16	02	512	27	
29	19	30	344	15	41	277	67	19	29	38.7	12	08	25.1	13.6	12	05	526	19	04	510	16	
30	21	05	347	15	05	268	79	18	20	38.7	02	07	15.7	23.0	02	00	540	02	50	497	43	
31																						
Mean			351			230	121			46.2			18.5	27.7			561			437	124	
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 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	311	294	300	290	299	301	304	302	300	299	304	300	290	282	274	275	286	295	301	306	310	315	314	311	298	
2 Q	305	304	304	301	304	304	304	304	305	305	310	311	305	295	284	280	291	295	301	305	305	309	314	316	303	
3	317	316	311	305	307	309	305	296	297	296	297	292	286	295	296	281	287	294	302	323	326	364	367	386	311	
4 D	329	292	299	289	293	286	278	294	281	277	280	298	294	270	270	260	256	277	300	311	329	323	349	347	295	
5	321	292	290	294	294	297	292	289	285	290	296	291	276	267	266	266	272	284	305	327	330	347	333	315	296	
6	306	290	292	305	295	296	300	299	298	301	304	299	294	290	276	272	272	291	309	329	306	301	295	305	297	
7	305	300	300	301	299	297	296	296	294	294	296	299	285	275	270	268	274	280	286	296	304	310	309	311	294	
8	308	310	304	296	296	295	298	298	298	295	296	294	288	290	280	267	270	288	298	303	317	327	328	347	300	
9	318	310	319	303	310	304	312	321	323	317	320	323	321	310	293	303	298	307	313	319	334	332	315	327	315	
10 D	325	305	306	291	265	250	241	313	280	279	283	283	281	280	290	279	279	280	296	314	319	339	320	313	292	
11	315	306	286	294	307	299	298	301	301	290	305	306	299	289	279	278	294	303	315	318	324	332	319	309	303	
12	304	308	306	300	303	304	305	304	303	303	303	308	300	293	289	288	286	297	308	309	298	309	308	308	302	
13 D	308	304	305	301	305	305	305	298	313	308	279	299	284	175	222	250	242	232	264	298	307	295	319	320	280	
14 D	300	290	286	289	285	285	249	277	281	272	245	265	256	256	276	264	265	290	312	325	330	325	304	300	284	
15	298	307	286	281	284	306	296	287	291	298	294	298	286	272	265	252	276	308	327	320	320	317	299	305	295	
16	304	296	306	300	304	296	297	299	295	284	299	304	296	294	281	266	275	285	291	304	309	309	304	305	296	
17 Q	306	304	295	295	303	303	301	300	296	293	300	304	303	293	273	263	276	286	300	308	310	313	313	309	298	
18 Q	309	308	305	305	305	305	305	305	308	309	310	310	309	303	295	290	295	306	314	319	322	329	319	315	308	
19	313	302	309	314	309	310	312	309	305	311	313	314	299	287	266	266	286	296	308	318	325	321	324	304	305	
20 Q	311	316	319	315	314	318	315	310	307	305	309	309	299	289	284	291	305	317	324	325	336	326	326	316	312	
21	314	316	315	314	319	319	318	316	315	307	296	291	298	292	284	275	284	297	315	320	333	329	316	308	308	
22	304	310	314	311	304	291	280	245	286	282	296	301	292	268	277	288	309	314	329	344	357	344	319	316	303	
23	306	304	302	305	304	299	299	295	297	301	300	295	289	282	283	276	289	295	306	310	320	333	326	304	301	
24	296	304	300	305	321	307	304	309	296	284	296	304	297	291	280	277	296	307	315	313	314	314	321	319	302	
25	310	296	296	307	296	286	278	292	291	286	296	300	292	281	266	262	270	280	299	306	310	309	310	315	293	
26	301	300	309	318	307	300	304	302	296	299	302	302	300	292	275	270	275	287	295	302	311	316	316	311	299	
27 Q	306	307	307	305	310	303	301	305	305	306	307	303	298	295	288	285	290	310	320	324	325	327	327	324	307	
28	319	320	319	317	312	318	314	314	310	308	305	307	314	308	288	276	278	283	300	315	320	324	319	310	308	
29	310	308	310	312	317	315	306	310	310	305	305	303	303	296	291	298	304	315	312	338	317	305	325	329	310	
30 D	327	314	315	322	305	312	312	310	302	288	286	298	284	287	293	302	310	320	315	332	316	323	312	301	308	
31	302	316	301	269	290	291	278	306	288	272	297	288	273	281	281	271	267	282	306	327	325	311	322	307	294	
Mean	310	305	304	302	302	300	297	300	299	296	298	300	290	283	279	276	282	294	306	317	320	322	319	317	301	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

D = 7° W + . . . '

July 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	29.6	27.8	20.2	30.3	30.5	30.2	31.2	32.1	31.1	29.3	27.2	25.8	24.3	25.6	29.6	32.6	34.9	37.6	39.0	39.0	37.7	35.8	34.2	33.0	31.3
2 Q	32.3	33.0	33.0	33.0	31.4	32.1	31.7	31.7	30.8	29.5	26.9	25.0	25.7	26.3	29.0	31.6	35.3	37.8	38.5	39.0	38.7	36.0	32.3	30.8	32.2
3	31.3	31.4	33.6	33.9	33.5	31.8	31.2	28.2	28.4	26.2	23.1	21.2	22.6	23.8	28.1	29.3	33.3	38.4	39.8	38.6	36.9	34.4	31.4	28.4	30.7
4 D	22.3	31.2	30.5	29.0	30.3	25.0	35.1	30.7	32.2	35.1	29.5	23.6	20.8	21.7	25.3	30.3	35.7	36.0	37.5	37.7	36.6	35.4	30.7	26.9	30.3
5	30.2	32.6	33.5	33.5	33.3	33.3	38.1	30.3	30.4	32.1	27.1	23.0	22.9	26.9	25.8	32.1	36.2	39.3	38.4	36.7	37.4	33.7	29.8	31.5	32.0
6	30.7	31.2	26.9	28.1	29.9	30.4	32.1	33.5	32.7	30.8	25.3	22.4	23.1	24.0	26.6	32.6	36.2	30.7	39.4	36.5	35.7	36.1	36.6	33.1	31.4
7	29.8	32.1	33.4	32.6	32.4	33.1	36.9	34.3	34.0	31.7	28.9	27.2	26.4	26.6	27.8	31.0	34.5	37.2	37.3	38.0	37.3	34.8	32.8	30.4	32.3
8	31.2	31.6	29.4	30.0	31.0	31.7	31.8	31.8	31.6	31.3	28.8	26.1	24.2	22.1	24.3	29.9	35.4	39.9	42.0	41.4	39.3	36.3	34.4	31.6	32.0
9	29.4	31.1	29.6	21.1	28.8	28.9	30.4	33.2	35.7	29.3	24.9	22.2	20.4	23.0	24.5	30.1	32.3	35.2	34.9	38.1	36.6	36.1	35.4	33.3	30.2
10 D	32.1	25.3	24.0	23.9	25.1	39.6	30.5	19.0	33.5	40.4	31.9	27.4	25.1	22.0	22.7	26.0	31.6	31.7	36.3	34.8	35.7	31.6	30.5	29.1	29.6
11	29.9	27.1	26.2	31.2	25.1	29.3	30.7	34.2	33.7	34.9	28.1	24.7	24.4	25.2	28.9	34.4	36.3	35.8	36.9	35.8	33.3	31.1	30.8	32.5	30.9
12	32.6	32.2	29.0	30.5	33.1	35.1	31.7	30.9	29.6	28.4	26.2	24.8	24.2	23.9	25.1	28.1	31.6	33.1	34.2	34.0	35.4	33.9	33.0	32.2	30.5
13 D	31.7	32.2	31.2	31.4	31.7	32.0	28.5	29.5	27.8	39.4	33.4	30.7	50.3	49.8	46.0	33.3	37.5	39.6	39.0	35.3	33.5	31.9	27.1	27.5	34.6
14 D	29.3	27.2	33.9	26.0	31.0	31.0	42.4	34.2	32.1	32.6	39.3	32.1	34.0	36.9	32.8	34.9	37.5	38.0	35.8	34.8	32.6	31.6	31.5	33.6	33.5
15	33.9	29.9	26.7	33.2	28.1	30.3	32.1	35.4	33.9	31.4	30.5	26.6	28.7	31.2	32.4	38.7	42.7	40.4	41.6	38.4	33.9	31.4	31.4	31.6	33.1
16	31.6	29.9	32.6	31.4	34.5	31.4	32.6	33.6	36.6	35.7	28.8	25.2	25.1	26.2	26.9	32.6	35.3	34.8	35.8	35.7	34.8	34.4	33.1	31.7	32.1
17 Q	31.7	30.7	30.3	31.1	31.4	33.1	34.8	32.5	32.6	31.1	28.1	26.7	26.6	26.9	29.6	32.6	37.2	38.9	38.6	38.0	37.0	35.3	33.9	33.0	32.5
18 Q	32.3	32.3	31.7	32.3	32.1	31.7	31.2	30.8	30.7	30.1	28.1	27.6	24.9	23.9	25.1	27.4	31.0	33.0	34.2	35.3	35.3	33.4	32.3	31.4	30.7
19	31.1	32.2	32.3	30.8	30.5	30.7	31.3	31.3	29.3	28.1	25.7	23.9	23.5	23.8	25.8	31.7	34.9	36.6	37.6	36.7	35.1	35.0	32.3	32.3	30.9
20 Q	31.6	32.4	32.2	32.3	30.3	29.9	31.8	31.6	31.6	29.6	27.6	25.6	24.3	24.6	27.6	31.4	34.4	36.1	37.5	38.9	38.0	36.3	33.9	32.6	31.8
21	33.2	32.5	32.2	31.7	31.2	31.3	30.5	30.3	32.0	31.6	22.9	29.0	19.9	18.0	19.4	29.3	34.2	38.8	41.7	43.3	42.4	40.4	36.6	35.3	32.0
22	33.8	32.6	31.7	26.7	21.6	26.7	24.5	41.3	28.1	29.8	23.0	20.7	19.9	20.4	22.1	27.2	30.7	35.6	36.9	37.5	38.2	36.9	36.0	35.3	29.9
23																28.6	31.2	36.6	38.4	37.9	36.9	35.0	33.4	32.4	
24	32.4	31.5	31.6	29.1	29.2	29.3	28.0	32.2	31.6	37.1	33.8	26.4	24.8	25.6	26.9	30.8	33.7	35.6	37.9	38.5	37.5	36.6	33.8	32.8	32.0
25	28.4	30.2	28.9	31.6	28.4	28.2	39.5	26.8	27.7	34.3	32.0	26.2	23.8	21.0	20.1	27.4	32.2	37.5	39.7	37.6	36.2	35.1	33.2	31.2	30.7
26	28.8	29.2	31.6	25.7	28.3	29.2	31.9	33.8	36.6	33.8	29.6	26.2	24.8	24.2	24.3	28.9	31.5	34.7	37.3	37.7	35.9	33.8	32.2	31.7	30.9
27 Q	31.9	32.7	32.7	32.6	32.3	30.3	31.1	30.6	30.5	30.4	28.3	26.5	23.9	21.3	26.2	30.2	35.0	36.3	37.4	37.1	36.2	35.0	33.3	32.8	31.4
28	32.0	31.6	32.0	31.2	32.0	30.7	30.4	30.7	29.5	29.5	26.6	27.4	22.5	21.2	20.4	26.8	32.8	36.5	39.0	38.2	36.3	33.5	31.5	31.2	30.6
29	31.2	32.0	31.6	31.4	28.8	29.4	30.6	30.8	30.2	29.5	25.7	23.4	20.9	21.7	27.0	29.4	31.8	33.6	36.3	36.8	38.9	37.2	34.7	31.8	30.6
30 D	32.2	34.6	33.0	31.3	27.7	28.0	28.9	28.6	27.2	26.0	19.8	20.4	19.5	20.1	21.0	24.8	28.5	33.2	38.4	37.0	36.8	36.6	34.1	33.0	29.2
31	32.2	24.6	25.6	26.2	33.2	30.4	38.8	32.0	28.9	39.2	25.4	22.2	25.6	25.4	25.9	30.7	36.1	39.3	37.0	35.7	33.9	32.1	31.1	32.0	31.0
Mean	31.0	30.9	30.4	30.3	30.3	30.8	32.3	31.5	31.4	32.0	27.9	25.3	24.9	25.2	26.6	30.5	34.4	36.4	37.9	37.4	36.4	34.7	32.8	31.8	31.4

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

Table 27 Agincourt

$z = 56,000 \gamma +$

July 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	535	539	509	518	517	512	515	518	518	520	520	515	509	510	512	500	503	508	512	509	515	520	519	516	519	519
2 Q	515	517	517	516	516	510	512	515	517	517	517	517	515	510	506	497	500	505	514	516	528	529	529	528	528	519
3	523	521	520	519	516	505	483	492	509	515	516	512	513	515	505	497	503	515	517	535	553	564	582	645	524	
4 D	580	577	569	513	472	516	504	520	517	518	514	521	522	525	528	526	524	529	536	551	565	576	580	593	536	
5	551	544	536	528	524	517	484	502	516	521	527	524	523	521	516	525	528	522	526	543	545	560	569	553	529	
6	546	545	529	506	519	518	516	512	518	526	526	526	523	525	522	511	507	512	516	524	531	531	526	530	523	
7	530	524	522	521	518	519	518	513	510	517	521	523	519	515	511	508	513	519	521	523	526	524	526	528	520	
8	524	520	520	520	519	519	517	517	520	520	520	518	517	515	513	504	504	498	498	506	513	518	518	524	515	
9	524	523	521	517	510	507	510	494	470	494	507	507	503	506	509	510	506	501	505	512	521	521	525	529	510	
10 D	531	541	518	500	438	357	404	466	448	440	440	459	478	502	514	516	519	518	526	532	534	534	548	549	492	
11	538	537	530	501	476	501	512	512	513	511	517	521	520	518	517	514	513	514	519	525	534	545	542	536	519	
12	530	525	523	525	516	496	517	519	522	522	522	523	518	508	507	512	511	514	514	517	522	525	525	523	518	
13 D	524	522	522	520	519	513	499	499	503	466	412	438	383	400	437	488	499	525	557	555	535	538	574	547	499	
14 D	536	531	522	497	484	487	437	487	493	497	456	472	465	464	485	496	522	531	537	536	537	537	540	535	504	
15	525	528	507	505	497	502	514	512	514	519	517	523	523	522	524	528	528	521	522	520	525	536	537	538	521	
16	538	531	496	488	491	505	512	515	512	506	518	520	518	512	520	521	508	507	511	517	523	526	527	531	515	
17 Q	525	523	520	519	518	514	506	506	509	512	518	518	513	512	513	506	507	510	514	518	522	527	526	521	516	
18 Q	518	519	517	515	512	512	509	514	515	518	518	513	515	515	512	511	512	518	520	518	520	525	527	528	516	
19	523	520	520	515	513	513	515	515	518	520	521	519	515	512	512	500	494	491	503	512	518	523	530	520	515	
20 Q	519	515	514	514	512	506	508	507	507	510	510	510	510	510	508	508	509	509	513	510	514	516	517	514	511	
21	513	513	513	512	512	512	512	512	506	488	497	500	494	497	490	496	497	497	506	515	528	536	542	531	509	
22	522	516	513	511	499	483	386	379	468	491	513	518	513	503	495	509	514	513	513	523	535	540	542	540	501	
23	539	539	529	522	522	519	518	519	519	521	521	519	513	501	494	496	502	503	507	510	515	520	524	524	517	
24	520	516	517	509	450	464	491	497	498	490	496	507	509	512	516	507	501	501	501	504	513	516	520	527	503	
25	531	527	513	496	509	492	450	468	483	501	503	507	507	507	501	501	501	506	507	511	516	514	514	514	504	
26	520	516	514	501	494	501	505	501	498	503	510	509	507	503	494	492	495	497	498	501	507	513	513	511	504	
27 Q	510	507	507	507	503	503	503	507	507	507	507	510	510	507	507	510	509	500	496	496	501	507	513	510	506	
28	510	508	505	505	505	499	497	490	492	493	492	498	497	493	495	497	497	500	502	503	508	511	514	510	501	
29	505	505	505	505	499	492	499	505	504	505	505	499	496	497	499	497	485	481	485	497	502	514	515	514	500	
30 D	514	511	511	508	509	505	514	511	505	498	504	510	505	499	490	489	489	498	502	518	525	532	528	521	508	
31	512	497	476	488	474	458	420	484	491	484	493	496	489	497	496	504	504	506	511	523	525	521	522	517	495	
Mean	527	525	518	511	503	499	493	500	505	505	506	509	505	505	505	506	507	509	513	519	525	529	533	533	512	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt

July 1940

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range			
	15,000 γ +		15,000 γ +			7° W +		7° W +			56,000 γ +		56,000 γ +					
h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ				
1	18 55	322	02 12	258	64	19 35	40.7	02 20	08.1	32.6	02 08	546	02 36	493	53			
2 Q	23 55	319	15 30	272	47	20 00	39.8	11 55	24.5	15.3	20 35	531	15 28	496	35			
3	23 44	408	15 37	274	134	18 40	42.4	23 55	16.9	25.5	23 41	692	06 55	480	212			
4 D	00 12	389	16 09	242	147	04 23	42.1	00 08	15.3	26.8	00 04	653	04 20	435	218			
5	00 01	378	13 08	258	120	06 34	42.9	00 01	14.4	28.5	22 10	582	06 28	470	112			
6	19 22	344	14 55	265	79	17 55	40.4	02 50	16.0	24.4	00 47	548	03 27	495	53			
7	23 40	318	15 56	264	54	17 55	38.7	13 52	26.3	12.4	00 01	535	14 45	507	28			
8	23 21	375	16 19	258	117	18 46	41.0	13 27	22.0	19.0	23 22	530	17 45	495	35			
9	21 16	356	14 48	280	76	08 12	41.0	03 46	14.8	26.2	23 55	534	08 15	458	76			
10 D	21 54	356	06 10	182	174	05 38	48.1	07 25	15.8	32.3	22 52	558	05 35	282	276			
11	21 16	337	14 58	271	66	03 28	40.3	04 05	10.5	29.8	22 00	548	04 16	465	83			
12	19 24	320	16 42	283	37	04 58	41.7	13 34	23.3	18.4	00 01	536	05 28	484	52			
13 D	23 16	347	13 44	067	280	12 54	60.6	23 03	19.0	41.6	22 55	601	10 06	329	272			
14 D	21 03	339	06 47	214	125	06 52	49.9	03 50	06.6	43.3	22 15	544	06 58	390	154			
15	18 28	337	15 22	240	97	15 31	45.5	02 02	18.3	27.2	21 57	546	04 18	481	65			
16	02 34	321	15 32	262	59	02 57	40.4	02 00	22.0	18.4	00 35	538	03 00	471	67			
17 Q	21 18	315	15 49	261	54	16 55	39.5	12 07	25.9	13.6	00 05	529	06 35	497	32			
18 Q	21 03	332	15 33	288	44	19 50	35.8	12 55	23.2	12.6	22 25	530	06 00	507	23			
19	20 53	334	15 18	260	74	18 57	38.0	13 08	23.3	14.7	22 18	536	17 10	490	46			
20 Q	20 36	349	13 55	282	67	19 54	39.9	12 53	23.3	16.6	22 10	520	05 25	498	22			
21	21 38	340	15 28	271	69	19 48	44.2	13 40	16.9	27.3	22 30	549	10 00	480	69			
22	20 33	363	07 28	230	133	07 27	44.7	04 05	19.3	25.4	22 20	543	07 17	308	235			
23	01 20	338	15 22	273	65						00 30	539	14 33	493	46			
24	04 28	335	15 28	267	68	09 55	42.5	12 38	23.8	18.7	23 59	537	05 00	444	93			
25	23 33	321	15 46	258	63	06 17	46.0	13 40	18.6	27.4	00 01	537	06 23	431	106			
26	03 32	330	15 01	266	64	19 00	38.4	03 37	23.2	15.2	00 25	521	03 57	487	34			
27 Q	21 12	331	15 18	283	48	19 30	37.4	13 40	20.0	17.4	22 56	513	18 52	492	21			
28	21 46	328	15 48	269	59	18 30	39.4	14 20	19.3	20.1	22 47	515	10 04	488	27			
29	19 43	356	20 57	286	70	20 53	40.8	12 27	20.1	20.7	23 50	520	17 10	480	40			
30 D	19 27	373	12 26	271	102	18 45	39.4	12 20	15.7	23.7	21 28	539	15 00	482	57			
31	20 53	355	06 32	249	106	09 17	44.6	01 50	20.7	23.9	20 50	531	05 30	380	151			
Mean		344		255	89		42.2		18.9	23.3		548		458	90			
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 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	303	310	295	282	293	298	303	301	302	303	307	302	297	286	273	267	267	273	292	307	312	310	316	313	297	
2	297	301	303	302	304	302	301	303	298	295	300	303	297	283	271	261	266	281	296	281	305	320	320	322	297	
3 D	323	316	313	310	310	310	295	269	269	290	230	265	234	225	272	206	263	236	282	289	297	298	299	299	279	
4	293	287	283	297	284	288	283	287	297	286	297	302	297	287	277	276	269	267	283	302	313	320	317	310	292	
5	308	301	292	290	298	309	309	307	307	299	299	308	295	280	282	270	282	293	301	311	324	311	311	313	300	
6 D	304	291	293	299	308	304	301	295	289	304	298	298	291	268	264	268	269	277	293	313	325	331	322	307	297	
7	294	298	294	298	289	292	298	292	297	275	285	294	283	275	257	273	277	272	282	309	313	311	312	312	291	
8	309	293	276	278	292	298	296	282	284	280	297	298	296	280	268	277	275	292	302	302	300	297	299	309	291	
9 D	311	297	294	302	306	302	275	309	298	238	209	181	196	200	259	268	241	268	312	430	419	403	361	273	290	
10	273	272	273	281	289	289	301	297	294	296	297	293	294	295	280	276	284	294	311	309	308	311	313	307	293	
11 D	300	298	290	302	302	288	295	304	297	285	302	306	293	273	267	263	270	297	312	304	333	314	323	304	297	
12	303	299	289	280	279	293	294	298	299	295	294	293	283	269	261	263	270	302	314	312	309	307	308	303	292	
13	295	298	288	288	299	288	300	297	294	292	294	297	293	278	263	259	266	276	289	295	295	304	307	305	290	
14	314	308	304	299	303	307	307	303	297	295	292	288	280	262	248	245	255	264	272	282	289	299	305	307	288	
15 Q	300	299	300	303	302	302	302	302	302	300	302	303	299	284	266	256	263	275	287	299	311	310	310	309	295	
16 Q	312	312	312	314	314	308	307	310	302	299	304	302	296	284	271	266	270	283	300	315	309	307	314	316	301	
17 Q	314	313	308	303	303	303	304	305	305	304	304	302	290	273	255	247	249	271	293	307	313	309	314	314	296	
18	316	317	318	318	318	316	316	317	313	308	300	299	292	269	250	249	254	269	290	284	330	352	310	299	300	
19	292	295	292	289	294	295	295	292	295	297	302	299	283	263	239	235	254	279	299	307	324	323	331	317	291	
20	312	299	295	303	297	274	285	283	284	284	288	285	273	268	254	242	242	259	274	292	300	311	312	307	284	
21	311	302	307	309	296	293	295	296	295	295	289	288	290	272	251	259	274	289	303	308	320	322	315	317	296	
22	309	308	313	315	317	320	318	317	313	306	304	300	289	269	257	257	274	275	288	303	318	324	323	306	301	
23	301	304	300	297	299	303	303	305	303	300	300	297	286	274	262	261	265	277	295	315	317	318	315	308	296	
24 Q	305	308	309	308	306	305	305	304	305	305	305	306	301	290	277	270	271	276	288	299	308	314	315	312	300	
25	311	310	312	310	311	309	308	308	305	304	303	300	295	277	267	270	274	290	310	319	337	346	337	328	306	
26 D	322	325	322	323	317	314	315	318	313	305	309	307	298	279	274	284	303	306	334	301	333	366	337	297	313	
27	310	294	300	303	313	303	311	299	303	303	300	299	295	285	271	261	279	291	300	315	316	313	319	308	300	
28	304	302	311	324	300	303	303	301	296	303	294	294	295	279	260	259	272	281	291	300	315	327	313	310	298	
29	306	315	313	309	310	310	305	309	305	300	300	301	296	274	265	251	248	261	284	298	306	309	309	314	296	
30 Q	304	303	305	305	308	308	308	308	308	309	309	306	296	284	267	265	267	286	299	308	310	315	322	311	300	
31	305	306	301	304	309	308	305	305	305	305	306	305	291	275	265	257	254	267	285	305	320	324	323	313	298	
Mean	305	303	300	301	301	300	300	301	299	296	294	295	287	273	264	260	267	278	296	308	317	320	317	309	296	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt

$D = 7^{\circ} W + \dots'$

August 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	32.2	24.9	18.9	30.0	33.2	32.8	33.1	32.0	30.9	29.6	26.9	23.9	22.2	23.0	26.2	29.0	32.1	35.4	39.7	39.9	38.0	35.5	29.0	30.0	30.4
2	32.4	32.5	32.5	31.6	32.9	32.9	33.1	32.2	31.4	33.4	26.9	22.2	30.3	30.2	25.7	30.8	36.0	39.7	39.5	44.2	41.7	38.3	34.9	32.7	32.4
3 D	32.6	34.4	33.9	33.7	32.4	30.8	30.4	19.8	33.9	27.0	40.0	31.9	34.0	36.1	36.2	36.3	40.7	34.3	39.4	36.6	34.1	34.4	31.2	30.4	33.5
4	30.7	30.0	25.9	28.2	28.5	26.8	29.4	31.8	30.1	39.0	35.3	26.1	24.0	24.0	25.8	29.0	34.6	39.0	41.1	41.7	38.0	34.7	33.2	31.6	31.6
5	31.0	30.8	28.9	25.1	19.8	27.8	29.6	30.4	30.7	34.3	32.2	25.6	23.3	24.1	26.2	28.1	33.2	36.2	37.1	38.8	35.8	34.0	32.3	30.1	30.2
6 D	29.3	25.4	27.0	33.7	30.0	27.1	28.0	30.8	41.5	36.1	37.9	29.0	24.7	23.9	29.9	30.0	34.1	39.9	39.0	38.0	36.7	33.3	32.1	29.0	31.9
7	30.1	30.6	31.4	32.6	31.5	32.0	30.7	31.2	31.2	40.6	32.5	30.0	31.7	29.0	28.9	34.0	31.8	37.3	40.1	38.8	36.1	33.9	33.1	31.4	32.9
8	30.1	28.0	26.7	24.9	28.2	29.7	25.1	28.6	29.4	37.1	33.8	29.1	25.9	25.4	28.2	31.2	35.1	37.2	38.4	37.2	35.2	33.7	31.6	29.7	30.8
9 D	28.1	31.1	31.3	31.0	26.4	23.8	25.7	37.6	32.2	50.4	57.7	49.4	55.2	44.5	30.1	23.8	30.2	37.1	33.4	23.5	29.1	31.6	32.7	33.4	34.6
10	32.5	31.6	29.5	30.3	30.8	30.9	32.5	31.9	32.4	30.5	32.7	28.3	27.7	26.7	28.5	30.1	32.3	34.3	33.3	34.7	34.7	34.0	33.5	31.7	31.5
11 D	32.8	32.3	26.6	30.7	32.7	28.8	36.2	30.3	31.8	41.2	29.6	24.2	24.3	28.0	32.7	35.9	38.8	38.9	36.8	38.6	37.1	35.3	32.2	27.6	32.6
12	26.7	29.7	26.2	25.6	27.3	38.8	28.8	30.3	32.2	31.0	29.3	25.5	27.8	27.9	31.5	33.9	38.3	38.8	38.7	37.7	33.9	31.7	30.2	27.3	31.2
13	27.3	29.9	29.3	29.4	30.4	30.6	29.4	31.6	31.6	29.1	24.8	21.7	20.6	23.6	28.4	34.0	38.6	39.4	39.4	37.8	35.6	33.1	31.4	30.6	31.6
14	30.9	32.2	31.0	27.8	27.3	28.9	30.6	30.6	32.5	30.6	21.6	18.8	19.8	21.3	26.8	32.6	37.6	39.9	41.5	40.3	37.8	34.4	30.9	28.4	30.6
15 Q	28.9	30.4	32.2	32.3	32.3	32.4	33.6	30.8	29.9	29.3	28.2	24.9	22.9	22.9	26.6	34.7	38.4	38.8	39.2	38.3	36.9	34.6	32.6	31.8	31.8
16 Q	32.4	31.9	32.4	31.4	31.4	30.9	30.3	27.9	27.9	27.8	26.3	23.3	21.4	22.4	25.8	30.6	34.9	39.4	40.5	39.4	37.4	34.8	32.6	31.8	31.0
17 Q	31.4	32.6	33.0	32.1	31.6	31.4	30.8	30.0	29.4	28.6	26.9	23.4	21.0	21.3	24.2	29.5	37.8	42.4	43.6	41.0	37.8	34.3	32.3	31.2	31.6
18	32.0	31.9	31.6	31.4	31.3	31.0	30.6	29.7	27.3	25.9	23.2	18.9	20.5	20.8	26.3	33.6	39.8	42.3	51.7	50.6	41.0	39.4	38.3	35.8	32.7
19	35.3	33.6	32.1	31.8	31.6	31.0	30.4	30.3	29.3	28.1	26.9	23.9	23.6	26.3	29.6	36.7	46.3	43.0	44.9	41.9	37.3	33.8	31.7	30.8	32.9
20	34.9	32.9	31.3	33.6	27.1	26.6	27.9	28.3	27.4	24.6	20.6	19.4	19.3	21.9	25.6	30.4	36.8	40.8	41.3	39.9	36.6	33.3	31.3	30.7	30.1
21	31.3	33.4	32.8	31.6	32.9	32.2	31.5	30.4	29.5	28.6	26.8	24.3	22.5	21.0	24.9	31.2	35.1	38.1	39.1	40.0	38.9	36.3	33.9	33.6	31.7
22	35.9	33.2	31.3	31.0	30.1	29.1	30.1	28.8	28.1	27.2	26.3	22.7	19.3	20.6	25.7	29.8	38.2	38.3	41.7	41.0	39.2	36.1	32.6	31.9	31.2
23	31.6	31.3	29.2	28.9	29.3	31.4	31.4	31.6	31.1	29.2	26.6	23.5	21.5	21.0	25.0	31.3	35.6	39.5	40.3	40.3	39.0	36.3	33.3	32.2	31.3
24 Q	32.3	31.6	32.1	31.7	31.6	31.6	31.1	31.0	30.3	29.9	29.0	25.9	23.1	21.6	23.6	28.3	34.1	39.0	40.8	40.3	38.0	34.3	32.6	31.3	31.5
25	31.9	31.9	31.8	31.7	31.3	31.2	30.7	30.6	30.0	29.3	28.0	25.3	22.7	22.3	27.3	31.9	36.3	39.5	39.2	38.3	38.0	36.3	36.0	35.0	31.9
26 D	33.9	32.0	31.4	31.2	31.0	30.2	30.0	28.9	28.2	26.9	28.3	22.6	21.1	20.9	27.5	33.2	35.4	36.9	39.9	41.9	38.4	38.0	30.9	35.0	31.4
27	33.5	31.9	32.5	32.3	33.6	40.3	27.0	26.9	29.9	29.1	26.2	23.9	23.1	23.4	25.3	31.3	37.8	39.0	40.1	38.6	35.9	33.2	32.0	32.9	31.6
28	33.1	32.4	28.8	27.1	32.0	31.3	31.7	32.2	33.6	29.0	28.3	26.3	25.3	26.2	29.8	34.3	37.9	39.7	40.3	38.9	36.1	33.3	32.3	31.6	32.2
29	31.8	23.0	30.6	31.8	31.6	33.1	35.9	29.7	27.4	28.9	28.4	22.6	19.5	21.3	26.1	29.9	34.6	37.3	38.1	36.6	33.9	32.1	31.1	30.9	30.3
30 Q	32.0	32.3	32.6	32.3	31.9	31.1	30.7	30.1	29.9	28.9	27.3	23.9	21.2	22.2	26.1	31.2	37.6	39.4	39.8	36.9	33.1	30.3	30.0	29.6	30.8
31	30.3	33.0	32.0	32.2	33.0	33.8	30.4	29.6	28.7	27.6	26.1	23.6	20.9	22.7	27.3	33.1	38.0	40.8	40.3	38.1	35.3	32.3	29.1	30.3	31.2
Mean	31.6	31.0	30.2	30.6	30.5	31.0	30.5	30.2	30.6	31.4	29.5	25.3	24.5	24.7	27.5	31.6	36.4	38.7	39.9	39.0	36.7	34.4	32.3	31.3	31.6

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

Table 31 Agincourt

$z = 56,000 \gamma +$

August 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	514	511	484	510	514	511	508	508	508	511	514	514	511	510	508	508	507	511	517	522	528	533	534	522	513
2	514	510	510	508	508	507	508	508	508	503	508	510	509	509	502	500	499	504	511	515	520	519	521	520	509
3 D	510	508	514	511	508	504	455	433	414	461	407	404	415	412	446	472	493	520	521	527	527	523	523	522	481
4	525	517	514	514	499	490	470	485	488	494	512	517	512	514	515	514	513	514	515	521	525	528	525	520	510
5	515	517	517	505	493	482	502	508	509	508	493	502	499	504	502	501	509	511	514	516	527	534	537	534	510
6 D	529	528	520	491	449	472	486	492	478	472	464	478	484	493	492	499	508	515	517	528	538	551	556	560	504
7	538	526	523	518	514	511	503	493	494	452	467	480	479	479	480	493	490	498	515	516	516	515	516	516	501
8	518	521	521	509	512	509	482	441	473	446	476	498	509	511	515	518	515	512	505	509	516	522	522	523	503
9 D	521	517	515	512	497	463	444	447	465	403	365	378	406	453	511	530	534	563	603	637	614	624	621	576	510
10	540	529	528	523	518	516	500	493	498	511	515	516	515	515	514	504	501	506	505	512	517	521	521	518	512
11 D	513	515	515	494	481	488	474	492	485	470	480	499	503	500	503	503	505	510	515	528	534	530	542	546	505
12	532	523	517	511	500	439	472	493	503	499	496	491	489	493	483	485	496	509	515	519	525	531	532	532	503
13	526	524	522	516	509	498	486	499	505	511	515	515	512	512	512	511	509	502	509	516	518	523	525	525	514
14	522	522	522	515	485	492	509	512	502	475	484	492	499	498	499	500	501	509	516	521	522	523	521	519	507
15 Q	515	516	512	510	509	505	501	506	506	509	511	509	509	509	509	499	499	506	509	515	518	521	515	512	509
16 Q	512	510	510	506	504	506	504	493	497	507	512	510	507	507	505	506	504	510	518	522	521	519	517	513	509
17 Q	513	512	510	510	509	510	510	513	513	512	513	515	512	507	506	497	495	499	501	506	510	512	509	504	508
18	504	504	504	503	502	501	501	500	495	494	498	500	499	499	494	504	508	510	516	529	536	536	533	524	508
19	514	510	504	504	505	504	505	505	506	510	512	510	507	510	506	515	519	521	530	534	527	522	529	532	514
20	542	553	541	527	504	471	489	515	524	521	523	517	506	498	494	494	498	507	516	524	519	518	516	516	514
21	517	516	512	512	516	514	516	516	516	515	516	512	510	507	508	510	510	510	520	524	522	521	520	522	515
22	522	516	510	507	509	507	512	510	508	510	511	512	512	513	511	507	506	506	513	523	524	519	516	516	513
23	516	519	514	516	517	513	510	506	507	510	512	513	510	507	504	513	510	510	510	515	511	513	517	516	512
24 Q	512	510	509	509	507	507	509	506	507	510	512	512	510	510	510	509	512	513	519	512	525	524	521	516	513
25	512	512	511	511	510	510	511	510	510	512	512	516	513	507	504	503	501	500	506	513	514	515	516	512	510
26 D	512	512	513	510	510	510	510	510	509	506	504	504	501	499	499	498	501	499	510	507	522	565	563	543	513
27	556	540	527	514	465	454	494	498	502	511	515	515	513	508	505	508	508	505	513	520	520	517	517	518	510
28	520	518	496	484	504	512	514	502	508	508	511	513	508	505	502	506	506	511	516	518	520	521	518	514	510
29	514	512	501	507	510	508	500	496	502	507	507	508	502	498	497	500	503	503	507	514	514	513	511	508	506
30 Q	505	504	503	502	502	500	502	501	503	503	505	507	503	500	492	496	505	506	511	514	511	511	510	508	504
31	509	510	510	505	503	499	500	504	506	505	505	505	502	502	502	505	504	505	509	512	516	514	517	531	508
Mean	519	517	513	508	502	496	496	496	498	495	495	499	498	499	500	503	505	509	516	524	524	526	526	523	508

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt

August 1940

Day	Horizontal Intensity						Declination					Vertical Intensity									
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range	Maximum 7° W +		Minimum 7° W +		Range	Maximum 56,000 γ +		Minimum 56,000 γ +		Range				
	h.	m.	γ	h.	m.	γ		h.	m.	h.	m.		h.	m.	γ	h.		m.	γ		
1	20	52	327	15	06	254	73	18	37	40.4	02	00	07.4	33.0	22	00	539	08	47	468	71
2	18	54	355	19	33	250	105	19	37	47.6	13	28	19.4	28.2	18	57	532	15	10	497	35
3 D	00	23	327	15	43	149	178	16	12	49.8	07	15	18.6	31.2	19	47	531	08	35	343	188
4	22	15	330	02	47	265	65	09	45	45.1	02	57	16.3	28.8	22	22	533	06	34	462	71
5	20	50	331	15	51	258	73	19	20	40.4	04	47	12.0	23.4	22	12	545	05	20	468	77
6 D	21	00	336	13	37	258	78	08	36	47.0	13	03	21.1	25.9	23	28	580	04	15	439	141
7	20	56	319	15	00	243	76	09	25	47.1	14	01	26.7	20.4	00	05	547	09	48	433	114
8	23	59	317	09	20	261	56	09	26	41.2	06	51	21.1	20.1	02	38	528	09	30	422	106
9 D	19	57	478	11	12	127	351	10	43	65.2	19	54	14.4	50.8	19	50	724	11	06	329	395
10	22	08	316	15	28	257	59	17	36	35.8	13	45	25.3	10.5	00	01	552	06	56	483	69
11 D	20	32	352	05	52	254	98	09	34	44.0	23	59	21.3	22.7	23	47	552	10	05	463	89
12	18	08	317	14	38	256	61	05	26	45.5	00	01	21.3	24.2	00	01	550	05	15	420	130
13	23	37	312	15	10	255	57	18	14	40.3	12	03	19.8	20.5	00	01	533	06	30	476	57
14	04	55	323	15	20	240	83	18	23	41.9	04	06	17.5	24.4	21	00	527	04	50	449	78
15 Q	20	56	314	15	38	255	59	18	05	39.4	13	05	21.9	17.5	20	40	521	16	40	499	22
16 Q	19	57	324	15	30	265	59	18	37	40.7	12	23	20.9	19.8	20	00	526	08	00	484	42
17 Q	22	04	317	16	00	244	73	18	28	43.8	12	45	20.4	23.4	22	03	515	16	15	494	21
18	21	18	366	15	25	237	129	19	00	56.3	11	35	17.9	38.4	22	00	541	09	35	494	47
19	22	13	342	14	54	231	111	16	28	50.3	11	43	22.3	28.0	18	47	536	03	40	504	32
20	00	01	327	16	00	237	90	17	50	41.9	12	34	16.8	25.1	01	25	553	05	48	458	95
21	21	37	327	14	44	246	81	19	33	40.6	13	47	19.6	21.0	18	55	525	13	51	504	21
22	20	58	332	15	13	247	85	18	30	42.3	13	04	18.0	24.3	19	40	527	16	50	504	23
23	22	04	324	15	28	259	65	19	10	40.9	13	05	19.2	21.7	04	20	522	07	20	502	20
24 Q	21	53	319	16	06	268	51	18	53	41.2	13	37	21.2	20.0	21	40	527	06	00	506	21
25	18	19	348	14	40	266	82	18	07	40.0	12	57	21.1	18.9	22	15	519	14	35	500	19
26 D	21	36	396	14	44	266	130	19	12	42.6	12	30	19.3	23.3	22	25	599	14	53	492	107
27	22	36	330	15	23	256	74	05	07	51.1	12	50	21.6	29.5	00	55	564	04	52	380	184
28	21	17	334	14	53	247	87	18	16	40.7	02	38	20.1	20.6	21	00	523	03	47	477	46
29	23	13	324	15	48	240	84	18	30	38.3	01	33	14.9	23.4	20	10	517	14	30	491	26
30 Q	22	14	332	14	53	261	71	18	28	39.9	13	10	20.6	19.3	19	56	515	14	20	487	28
31	22	54	343	16	47	251	92	17	13	41.1	12	38	19.8	21.3	23	59	536	05	50	496	40
Mean			337			245	92			44.0			19.3	24.7			543			465	78
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 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	286	278	272	281	301	292	298	312	301	295	294	260	233	213	220	328	244	255	267	271	285	300	302	305	275
2	301	305	304	306	307	305	301	300	296	297	284	292	286	256	239	249	249	265	261	285	306	309	320	314	289
3	304	283	295	300	297	280	248	283	295	292	295	273	260	258	233	237	233	237	271	290	297	302	286	291	276
4	284	281	280	294	295	296	296	296	287	286	256	283	271	250	237	232	239	258	289	307	309	298	298	299	278
5	296	286	285	295	290	295	296	296	297	296	297	296	290	273	251	243	256	271	286	294	294	304	311	297	287
6	300	301	297	292	297	299	297	300	299	289	289	301	302	281	260	247	249	262	275	289	300	309	307	307	289
7 D	308	289	268	249	254	224	223	252	251	239	239	268	278	267	255	243	257	262	286	296	301	300	282	276	265
8	290	287	294	295	290	294	293	290	292	291	291	282	287	277	258	241	249	273	295	300	297	297	297	295	286
9	279	281	286	291	294	289	293	296	296	291	296	287	291	276	248	247	245	252	265	279	307	312	295	283	282
10 Q	283	286	287	293	295	296	298	297	297	298	297	297	297	273	264	259	263	273	288	300	307	304	297	295	289
11	300	301	302	302	301	301	301	302	303	299	300	300	298	288	270	274	283	294	302	300	300	305	302	299	297
12 Q	302	301	301	299	299	300	300	301	297	297	295	294	284	270	278	276	281	290	301	307	311	315	315	308	297
13	312	313	313	312	311	310	310	310	312	311	312	306	296	286	272	273	283	297	312	315	317	315	313	316	305
14	319	319	311	327	313	312	312	311	315	315	315	311	300	291	281	267	277	287	301	291	315	317	316	308	305
15	307	307	307	310	307	291	295	290	291	300	294	283	279	258	263	264	278	286	296	305	310	311	309	293	293
16	310	310	308	306	307	302	308	300	305	306	303	301	287	273	242	256	273	274	276	286	285	293	300	302	292
17 Q	302	301	301	301	301	302	302	302	305	301	302	300	287	274	265	255	259	276	298	310	311	313	307	316	296
18	317	315	315	313	313	313	315	313	313	312	313	308	300	287	273	259	258	269	295	310	317	325	318	322	304
19 Q	322	317	316	315	317	315	316	315	316	315	314	307	297	286	266	257	259	273	289	300	307	310	315	317	302
20	315	317	317	317	315	311	312	317	312	313	322	312	300	288	271	243	258	272	283	295	290	303	306	313	300
21	313	312	315	312	308	312	315	309	315	299	301	305	292	284	273	258	253	258	269	286	305	315	315	311	297
22	306	303	305	304	304	304	305	307	298	291	297	304	294	280	258	260	265	268	286	299	311	309	309	313	295
23 Q	309	309	308	307	307	309	309	309	309	309	306	301	295	285	281	278	280	286	295	305	312	312	315	302	302
24	314	314	312	312	305	301	304	305	304	304	301	302	300	292	282	272	273	285	297	307	316	324	326	314	302
25	320	315	304	304	304	295	289	302	304	303	301	297	300	297	275	268	265	265	275	287	302	303	280	295	294
26 D	298	301	299	298	299	297	297	297	297	297	297	292	280	270	256	249	256	218	234	331	273	266	275	290	282
27 D	275	246	170	217	193	203	239	249	249	253	270	268	256	241	221	215	237	236	246	271	287	285	285	268	245
28 D	253	263	253	210	207	193	115	164	227	273	241	251	276	243	235	236	243	247	263	318	292	279	266	278	243
29	287	285	283	283	279	277	271	285	287	285	290	280	282	270	246	258	268	271	275	285	286	287	287	289	279
30	292	287	292	292	292	295	293	294	295	294	295	289	282	273	267	265	266	273	285	289	287	289	289	296	286
31																									
Mean	300	297	293	294	293	290	288	293	295	295	293	291	286	273	258	254	259	266	280	295	301	304	301	301	287

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt

D = 7° W + . . . °

September 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1 D	29.3	27.4	23.6	27.0	28.7	30.3	28.3	32.6	29.2	24.8	22.9	31.0	29.5	35.9	35.6	43.2	43.6	43.1	41.7	41.1	37.8	33.9	31.7	30.8	32.6	
2	30.9	32.3	32.6	31.8	31.8	31.1	29.3	28.4	26.2	25.4	31.3	27.3	24.0	25.3	31.3	36.3	39.6	41.0	43.9	42.7	38.4	33.4	30.6	29.1	32.2	
3	27.7	25.9	29.9	31.4	30.6	24.9	25.4	27.5	27.3	26.9	27.4	27.3	27.8	25.3	28.2	32.5	37.3	42.4	38.7	37.6	35.6	33.5	31.2	30.1	30.5	
4	23.8	17.4	29.3	31.4	28.3	29.9	32.0	31.3	34.4	26.6	36.8	33.4	20.6	20.2	24.1	29.9	36.7	40.6	42.4	40.6	37.5	34.3	31.9	38.3	31.5	
5	27.9	30.2	28.1	28.3	29.2	29.9	30.8	30.9	33.1	32.3	28.4	27.2	24.1	27.3	30.7	33.9	37.4	40.1	39.3	38.1	35.6	33.0	30.9	31.6	31.6	
6	31.3	30.9	29.1	30.3	31.7	35.0	31.2	29.1	29.5	29.8	31.1	26.7	23.5	23.8	26.3	30.6	37.5	40.6	41.6	39.1	36.9	35.2	33.0	33.7	32.0	
7 D	33.1	33.4	30.6	30.4	33.6	31.1	20.9	25.5	21.1	28.0	36.3	33.4	26.1	30.3	35.2	37.3	38.4	40.6	39.3	38.2	36.4	33.9	33.9	29.0	32.3	
8	27.3	31.0	32.7	29.9	27.2	29.7	30.6	30.3	31.3	31.7	28.8	31.5	27.9	33.1	34.6	34.6	35.9	40.1	38.4	35.4	33.0	31.0	30.6	30.3	32.0	
9	27.1	28.0	29.3	31.7	30.4	29.9	30.4	30.4	33.4	36.4	31.0	32.5	26.8	27.9	33.1	36.1	36.3	37.3	36.3	35.5	31.9	31.6	30.8	29.4	31.8	
10 Q	30.3	31.8	32.1	31.4	33.3	31.0	31.0	31.3	30.6	29.8	29.9	27.5	26.3	26.4	29.0	33.1	36.0	36.9	37.3	35.8	33.1	31.3	30.9	32.3	31.6	
11	33.0	32.1	32.1	32.1	32.0	31.6	31.0	31.0	30.8	30.9	29.3	26.9	23.3	24.1	28.4	32.4	35.6	37.6	37.3	35.1	33.1	31.4	30.9	31.4	31.4	
12 Q	32.0	31.3	32.1	32.3	31.3	30.6	29.9	28.1	28.0	26.0	26.4	24.8	22.9	22.6	27.5	32.4	35.3	36.1	36.9	35.3	34.0	32.0	31.6	32.5	30.5	
13	32.9	32.4	32.5	32.1	31.6	31.0	30.2	30.1	29.0	28.0	27.1	24.9	23.3	23.6	26.6	31.4	34.9	36.3	35.3	33.4	31.3	30.7	32.4	33.1	30.6	
14	32.6	32.6	30.8	25.7	29.8	30.3	29.6	28.8	28.4	27.3	26.4	24.8	23.1	23.9	28.3	31.3	39.4	42.2	40.7	47.0	37.6	34.2	33.3	34.0	31.8	
15	33.9	33.2	32.0	32.2	36.9	30.1	23.2	27.3	32.3	28.3	26.1	24.4	23.1	26.3	28.9	33.8	38.1	40.1	39.4	36.8	33.8	30.7	29.9	31.4	31.6	
16	32.6	32.1	32.3	31.0	30.9	27.3	29.1	30.9	27.2	26.3	26.2	24.3	21.0	23.1	30.7	40.3	43.1	41.3	41.3	38.7	35.1	33.0	31.5	31.3	31.7	
17 Q	31.8	32.2	32.2	32.1	31.9	31.1	30.6	30.1	29.3	28.9	27.4	25.2	23.1	24.3	26.7	30.1	34.6	38.7	39.8	37.2	35.2	33.4	32.9	32.3	31.3	
18	32.1	31.8	31.1	31.1	30.9	30.3	30.1	29.3	28.8	28.1	27.4	25.8	24.1	23.7	26.4	30.6	36.1	40.6	42.3	40.1	36.8	34.1	32.6	32.1	31.5	
19 Q	31.4	31.0	31.3	31.8	30.4	30.5	30.0	29.8	29.2	28.3	28.1	26.4	25.3	25.0	27.2	31.1	35.6	38.0	39.2	37.9	34.9	33.0	32.7	31.6	31.2	
20	31.3	30.9	30.8	30.9	29.9	28.2	28.6	28.3	27.2	27.2	26.9	25.1	24.3	24.3	24.2	38.3	36.7	39.9	41.6	40.9	39.3	37.1	33.9	33.0	31.2	
21	31.6	30.6	32.1	32.1	32.1	30.0	29.3	28.0	28.2	27.9	30.6	26.3	27.3	30.7	30.1	30.0	32.6	36.3	38.3	38.0	35.1	32.2	31.9	31.8	31.4	
22	31.7	31.3	31.1	31.0	30.3	30.0	29.1	28.0	25.6	27.3	29.6	25.0	24.9	23.6	27.0	30.7	35.1	36.2	37.9	38.2	37.2	36.1	34.3	33.0	31.0	
23 Q	31.8	31.8	31.2	31.2	30.9	30.8	30.5	30.0	29.9	29.7	29.2	28.3	27.8	28.1	28.3	31.0	33.6	35.0	35.1	34.2	33.0	32.5	32.3	31.9	31.2	
24	31.7	31.1	31.9	31.5	32.5	30.9	30.5	30.1	30.0	29.6	29.1	28.9	28.6	28.1	28.2	29.7	31.9	33.6	35.0	35.5	34.8	34.1	35.2	36.0	31.6	
25	35.0	36.8	33.8	33.1	32.0	30.5	24.2	28.9	28.8	28.9	28.6	29.2	26.0	26.2	29.1	31.2	34.2	38.2	38.1	35.5	34.3	31.2	31.0	31.0	31.3	
26 D	32.2	31.2	31.6	31.3	31.2	30.5	30.7	30.8	30.2	30.1	30.0	28.6	27.3	27.0	27.0	29.3	33.1	23.8	30.2	32.3	36.2	37.7	34.8	31.8	30.8	
27 D	33.9	23.9	23.7	33.3	34.9	33.0	36.0	31.7	33.0	35.7	33.2	31.8	30.0	30.6	32.6	36.3	37.6	37.8	37.1	34.4	29.6	33.1	26.3	29.6	32.5	
28 D	23.9	29.7	29.8	28.0	29.8	23.7	26.1	24.2	24.2	25.4	35.2	33.8	28.5	31.2	38.1	39.9	37.0	36.6	35.2	31.0	32.0	33.2	31.6	30.9	30.8	
29	31.5	28.9	31.1	31.8	31.0	30.9	36.2	32.1	30.2	31.6	30.2	30.4	29.5	30.3	32.2	35.1	35.3	35.5	34.9	33.0	31.2	30.5	31.2	31.7	31.9	
30	31.8	30.8	32.5	32.5	32.5	32.3	31.6	30.9	30.6	30.5	30.6	29.6	28.3	28.7	30.8	33.5	36.2	37.3	37.3	36.7	34.0	32.1	32.9	32.0	32.3	
31																										
Mean	31.1	30.5	30.8	31.0	31.3	30.2	29.7	29.6	29.3	29.0	29.4	28.1	25.6	26.7	29.5	33.1	36.4	38.1	38.4	37.3	34.9	33.2	32.0	31.9	31.5	

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

Table 35 Agincourt

$Z = 56,000 \gamma +$

September 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1 D	538	544	535	458	500	507	475	433	476	495	490	461	452	464	488	501	511	513	520	526	529	529	524	518	500	
2	514	511	511	506	507	501	509	511	504	507	504	488	484	488	497	507	511	517	523	525	530	525	526	528	510	
3	544	559	528	517	513	474	451	501	517	511	516	502	487	502	507	509	513	520	525	531	542	553	540	530	516	
4	526	513	513	514	508	511	511	509	485	444	454	452	482	497	505	508	513	513	514	519	528	540	542	535	505	
5	523	523	511	483	482	498	507	511	501	493	507	513	511	511	509	507	512	515	523	527	528	523	523	520	511	
6	516	513	503	509	508	488	497	496	490	492	500	499	504	507	508	507	511	516	514	514	522	529	528	525	508	
7 D	533	543	478	460	448	443	429	457	434	447	453	480	502	502	501	507	512	514	519	513	513	532	539	548	492	
8	533	519	511	506	495	507	510	504	490	462	457	478	490	494	490	487	491	502	504	507	508	510	513	516	500	
9	522	519	481	465	504	506	509	507	493	460	469	484	493	497	500	500	508	515	527	542	550	545	539	526	507	
10 Q	519	514	511	504	503	499	502	507	504	504	508	509	507	504	504	504	506	507	510	512	510	510	510	510	507	
11	507	504	504	503	504	502	503	504	504	498	496	494	497	504	505	504	507	504	504	505	510	512	510	507	504	
12 Q	509	507	507	506	507	507	507	504	503	499	506	509	504	501	502	500	497	499	504	510	511	510	508	504	505	
13	505	505	504	504	504	504	504	504	504	501	504	503	500	494	492	494	491	496	500	502	499	497	501	500	500	
14	502	502	508	502	501	504	504	502	501	499	500	501	498	495	494	486	492	498	507	516	517	506	504	507	501	
15	503	502	500	502	489	492	500	499	480	493	501	502	505	503	505	505	512	521	527	529	526	521	517	515	506	
16	515	513	512	515	508	509	590	505	511	513	513	515	509	503	509	509	511	518	522	524	526	523	521	518	513	
17 Q	517	513	511	511	511	512	512	511	511	512	514	515	515	515	515	514	514	515	518	517	515	512	511	511	513	
18	511	511	506	509	506	507	509	509	507	509	509	511	510	509	506	497	498	505	505	509	509	506	505	506	507	
19 Q	508	505	506	506	505	505	505	506	505	506	506	509	509	506	499	494	494	497	506	509	507	511	511	509	505	
20	505	506	506	509	503	505	509	509	509	506	505	505	500	502	498	483	487	487	492	499	503	506	500	500	502	
21	499	500	500	500	498	496	492	491	482	483	480	474	487	486	487	492	500	506	515	515	512	506	504	503	496	
22	503	503	501	500	500	500	499	494	486	480	481	489	493	497	496	503	502	503	507	512	507	507	503	503	499	
23 Q	501	499	498	499	499	499	499	498	497	497	499	497	499	500	497	495	497	500	505	503	502	503	501	501	499	
24	500	498	498	500	502	503	501	499	499	498	498	499	498	499	502	499	500	499	499	503	503	509	509	511	506	502
25	509	511	515	516	511	479	508	511	503	500	496	491	493	493	492	493	494	505	513	512	512	518	523	513	505	
26 D	507	502	502	502	499	500	499	499	497	498	499	502	502	502	496	487	488	490	551	669	550	522	519	517	512	
27 D	537	538	413	414	416	416	443	475	460	465	491	505	508	504	506	511	515	520	535	533	537	532	564	543	495	
28 D	537	521	526	474	472	425	389	436	416	469	474	465	482	493	505	508	528	543	553	570	551	537	534	525	497	
29	520	523	527	523	514	502	474	484	502	507	505	509	511	505	505	508	510	513	513	517	515	514	510	510	509	
30	509	508	507	504	505	504	504	504	504	504	504	503	504	505	505	502	500	502	505	511	514	527	523	510	507	
31																										
Mean	515	514	504	496	497	493	492	496	492	491	494	495	498	499	500	500	504	508	515	522	520	519	518	515	504	

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt

September 1940

Day	Horizontal Intensity						Declination						Vertical Intensity					
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range			
	15,000 γ +		15,000 γ +			7° W +		7° W +			56,000 γ +		56,000 γ +					
h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ				
1 D	07 12	325	13 54	198	128	16 26	46.2	02 37	15.9	30.3	02 18	575	07 13	420	155			
2	22 52	338	14 10	234	104	18 44	46.4	12 47	21.6	24.8	23 59	537	12 30	481	56			
3	00 27	327	17 09	210	117	17 13	44.9	06 50	20.6	24.3	01 13	576	06 05	415	161			
4	21 24	318	16 06	223	95	10 48	43.5	01 17	<u>08.3</u>	<u>35.2</u>	21 51	546	11 15	416	130			
5	03 37	325	15 50	239	87	17 27	40.8	03 33	<u>17.9</u>	<u>22.9</u>	19 47	533	03 56	448	85			
6	21 14	325	15 40	239	86	13 17	41.9	12 43	22.7	19.2	21 27	532	05 50	481	51			
7 D	00 07	321	09 20	193	138	17 23	40.9	08 43	13.9	27.0	23 50	563	04 53	382	181			
8	22 34	302	15 03	232	70	17 43	40.9	00 07	22.4	18.5	00 01	555	10 35	449	106			
9	20 50	314	16 20	243	71	03 02	42.2	02 37	17.1	25.1	20 11	556	02 56	354	202			
10 Q	20 43	310	15 42	257	53	18 12	37.4	12 43	25.6	11.8	00 01	522	04 50	495	27			
11	21 07	306	14 25	270	<u>36</u>	18 13	38.3	12 50	22.4	15.9	21 58	514	11 35	491	23			
12 Q	22 35	316	14 13	261	55	17 55	36.9	12 50	21.3	15.6	20 55	512	16 48	496	16			
13	20 52	320	14 53	266	54	17 33	36.9	12 25	22.4	14.5	00 50	506	17 30	489	17			
14	21 58	361	15 22	258	103	19 24	<u>49.2</u>	03 51	20.8	28.4	20 27	533	03 24	481	52			
15	22 06	320	15 00	245	75	04 54	47.0	12 00	22.1	24.9	19 00	532	05 02	466	66			
16	06 07	322	15 15	227	95	15 45	45.9	12 52	19.6	26.3	19 50	528	06 30	476	52			
17 Q	23 48	320	15 46	252	68	18 06	40.0	12 52	22.6	17.4	18 30	519	23 00	511	<u>08</u>			
18	21 17	330	13 04	254	76	18 08	43.1	13 01	22.4	20.7	11 40	512	15 00	492	20			
19 Q	00 51	324	15 28	253	71	18 22	39.2	13 00	23.7	15.5	22 00	512	16 00	494	18			
20	10 35	332	15 03	239	93	18 54	42.3	13 10	19.3	23.0	21 02	510	15 30	480	30			
21	22 08	324	16 20	246	78	18 57	38.9	11 50	23.3	15.6	19 00	516	11 38	463	53			
22	20 42	324	14 38	251	73	19 04	38.2	13 14	22.3	15.9	19 10	513	09 45	476	37			
23 Q	23 53	321	16 59	275	46	18 14	35.0	13 00	27.0	<u>08.0</u>	18 27	505	15 30	492	13			
24	22 27	338	16 00	268	70	22 54	37.0	13 13	27.9	09.1	22 28	515	15 10	492	23			
25	20 57	321	17 04	242	79	19 00	40.0	06 13	20.6	19.4	22 32	528	06 05	450	78			
26 D	19 47	<u>386</u>	17 26	188	198	19 46	39.9	17 37	20.1	19.8	19 47	<u>771</u>	17 04	467	304			
27 D	00 07	316	02 47	<u>025</u>	<u>291</u>	03 55	46.9	02 43	17.7	29.2	01 07	<u>594</u>	02 55	<u>138</u>	<u>456</u>			
28 D	19 16	328	06 50	<u>233</u>	95	04 04	42.8	00 42	18.0	24.8	19 18	576	06 40	285	291			
29	19 56	297	14 27	242	55	06 08	38.5	01 30	28.0	10.5	02 05	531	06 10	468	63			
30	23 27	302	16 03	262	40	18 50	37.9	12 47	27.3	10.6	20 42	538	15 25	499	39			
31																		
Mean		324		234	90		41.3		21.2	20.1		542		448	94			
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 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	270	282	272	276	297	262	279	280	281	251	255	285	282	268	280	268	235	249	262	360	281	264	267	265	274
2	268	273	275	275	276	277	279	283	283	285	283	266	263	248	245	255	241	241	263	273	276	272	272	277	269
3	280	283	277	265	246	243	229	238	263	262	276	286	275	263	251	238	246	253	256	280	287	294	287	278	265
4	280	263	254	263	266	277	287	289	291	292	294	292	285	278	268	263	265	275	285	291	292	289	292	292	280
5	286	281	275	287	280	275	278	285	292	294	299	303	297	278	257	265	268	272	272	278	290	293	296	299	283
6	300	296	300	299	297	299	297	302	297	301	314	309	307	292	288	275	257	268	271	275	289	286	280	289	291
7 D	265	271	273	265	247	227	209	145	190	262	312	306	261	266	227	232	233	239	253	272	318	358	292	261	257
8 D	258	278	234	232	121	112	128	115	184	231	249	272	270	268	251	232	232	251	281	300	321	293	282	273	237
9	276	277	279	284	279	275	276	277	279	276	279	281	284	279	270	267	274	279	286	289	291	284	288	289	280
10	293	291	291	288	289	289	293	291	298	299	291	284	289	286	276	270	265	267	279	286	296	293	274	274	285
11	274	279	279	276	275	277	293	291	293	298	300	296	291	276	265	264	267	273	271	272	274	284	294	287	281
12	289	289	289	284	291	290	296	298	300	303	303	289	292	284	273	267	263	272	281	289	298	296	288	294	288
13 Q	293	295	293	298	297	300	298	298	298	297	296	285	274	259	255	256	264	277	284	287	293	294	299	287	287
14 Q	301	301	299	298	299	301	301	303	305	306	300	291	275	264	259	257	265	275	286	293	293	300	304	291	291
15	310	311	308	313	305	309	298	306	308	288	308	313	299	278	269	262	255	253	259	276	291	299	291	296	292
16	295	292	293	295	295	295	297	289	285	305	308	303	300	285	270	255	247	264	272	281	275	289	293	291	286
17	303	300	303	298	298	295	297	299	300	300	300	303	298	286	265	259	260	269	283	293	301	309	306	302	293
18	293	295	300	302	304	301	288	266	287	291	297	299	298	283	275	275	275	284	292	299	322	298	297	297	292
19	298	295	295	290	295	292	289	285	293	286	293	290	273	275	269	261	256	267	283	295	310	297	300	297	287
20	301	293	283	283	292	299	302	296	298	297	297	293	285	279	270	268	268	271	288	290	298	305	302	283	289
21	295	299	298	300	297	292	290	297	300	299	283	283	297	283	269	259	255	261	269	275	292	285	289	279	286
22	292	291	293	298	286	276	245	266	287	295	290	266	268	278	271	260	256	263	271	282	287	293	294	297	279
23 Q	296	295	294	293	294	294	293	297	297	297	298	297	290	278	266	263	258	262	269	278	287	290	295	298	286
24 Q	300	298	297	298	297	296	297	298	299	299	299	295	292	276	262	253	251	256	265	280	291	295	302	302	287
25 D	302	302	304	301	301	304	303	304	306	308	311	303	290	287	280	277	282	295	310	323	336	335	298	311	303
26 D	315	307	308	297	304	306	302	309	313	315	310	309	308	284	268	282	238	260	275	263	263	260	258	263	288
27	264	251	250	251	251	261	264	272	277	277	280	267	277	268	260	244	251	262	268	274	271	273	273	270	265
28	277	287	272	280	293	286	280	277	275	280	284	292	292	280	279	279	277	267	267	275	267	278	285	292	280
29	292	291	284	274	277	283	285	283	284	287	291	291	290	285	277	272	275	276	281	286	291	294	299	300	285
30 Q	298	296	294	292	296	293	294	292	294	299	298	297	295	286	279	275	275	277	284	290	294	296	299	301	291
31	296	297	296	291	287	291	291	289	283	289	302	302	294	280	263	260	256	267	279	288	298	296	299	299	287
Mean	289	289	286	286	282	280	280	278	285	290	294	293	288	278	267	262	258	266	275	287	293	294	290	289	282

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt

D = 7° W + . . . '

October 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1 D	29.1	32.2	32.2	31.1	33.0	31.7	36.0	31.0	30.6	33.9	38.4	37.7	32.5	34.9	36.5	38.6	42.5	38.9	40.9	29.8	32.5	33.0	32.2	32.4	34.2	
2	32.3	32.7	33.0	33.2	32.8	32.3	37.2	30.6	27.9	23.8	29.9	34.0	31.5	33.5	38.3	38.8	40.1	42.1	40.0	38.1	36.6	34.6	33.0	33.0	34.3	
3	32.9	32.8	32.9	31.4	29.5	27.7	26.8	29.9	29.9	25.9	26.8	28.1	30.9	32.2	30.2	35.1	38.0	38.2	35.1	34.4	34.5	32.5	31.9	32.4	34.6	
4	32.0	29.7	25.7	28.1	26.2	27.0	29.7	29.9	29.9	29.9	30.1	29.1	28.1	28.8	29.0	30.1	33.6	36.0	36.7	35.6	34.7	33.4	33.0	32.2	30.8	
5	31.9	31.1	32.1	29.5	29.5	26.4	27.0	28.0	28.0	28.0	28.0	28.9	27.9	27.4	26.8	29.8	31.2	31.9	33.7	34.6	34.7	34.7	34.0	33.3	32.8	30.6
6	32.6	32.1	31.1	31.8	31.5	31.1	30.5	31.1	30.3	23.8	23.2	29.0	29.1	32.9	31.0	29.2	32.5	34.8	35.8	35.7	34.9	34.6	33.4	34.7	32.0	
7 D	29.9	29.0	29.9	29.0	28.6	28.7	22.5	22.8	16.8	17.8	24.1	26.0	43.4	40.1	33.1	40.5	41.9	39.8	39.9	35.8	31.7	30.4	32.1	32.8	31.1	
8 D	28.1	27.3	24.0	26.6	39.7	32.9	27.3	33.5	25.4	27.6	31.2	27.3	27.9	27.5	27.8	34.7	38.9	37.0	37.7	38.8	39.7	38.8	38.3	32.7	32.1	
9	35.8	32.0	31.6	32.0	32.7	31.9	31.1	31.2	31.0	30.9	31.4	29.0	27.8	27.0	27.7	30.2	33.5	35.2	35.9	35.3	34.8	34.0	33.3	33.0	32.0	
10	32.4	32.0	32.0	31.9	30.9	30.4	30.1	28.8	28.9	28.9	28.4	30.2	32.3	29.8	30.1	31.2	34.7	35.7	35.7	35.2	34.8	36.8	36.4	33.8	32.1	
11	31.4	30.7	30.4	26.1	23.2	33.9	31.2	29.6	30.4	29.6	29.5	29.6	28.9	27.1	27.7	30.1	33.1	34.1	34.9	35.2	35.2	34.6	33.9	32.7	31.2	
12	31.8	31.6	32.5	30.8	31.2	31.3	31.1	31.2	30.8	30.4	30.4	29.4	29.1	27.5	28.0	30.4	33.6	36.8	37.8	37.7	36.7	35.8	35.1	33.9	32.3	
13 Q	32.9	31.4	31.6	31.9	32.1	31.6	31.9	31.1	30.9	31.1	30.4	29.9	28.1	27.4	27.1	29.2	31.7	35.2	36.1	35.1	33.6	33.1	33.1	33.1	31.6	
14 Q	32.6	32.0	32.2	32.1	32.2	31.9	31.6	31.2	31.1	31.1	30.6	29.4	28.2	27.7	28.4	31.6	35.1	36.9	37.5	37.4	36.1	35.1	34.6	33.5	32.5	
15	32.6	32.2	32.1	31.5	30.7	30.4	36.1	32.5	29.5	34.1	32.9	28.6	27.7	27.1	28.9	33.0	35.6	38.1	38.5	37.1	35.4	34.4	34.1	33.3	32.8	
16	32.4	31.5	31.7	32.2	32.2	32.4	30.7	29.9	37.7	31.3	29.6	30.2	28.7	28.1	29.8	31.4	34.3	36.8	37.6	38.1	37.2	35.4	33.8	32.7	32.7	
17	31.6	31.2	31.2	30.9	31.2	31.7	31.7	31.9	31.3	30.8	31.0	30.7	29.1	28.7	28.7	32.1	35.8	37.0	37.9	36.9	35.4	34.2	33.7	34.7	32.5	
18	33.8	32.9	32.4	31.8	31.7	31.0	28.0	33.0	30.1	29.1	29.6	30.4	28.1	26.8	28.3	29.9	33.2	35.0	36.7	36.8	38.0	37.0	36.6	34.5	32.3	
19	33.7	32.8	31.9	28.0	29.8	30.7	29.9	33.0	31.3	33.8	29.8	29.3	29.0	29.8	28.0	30.7	33.8	35.2	36.9	37.0	36.1	31.2	33.8	33.0	32.0	
20	31.6	31.7	29.9	29.0	31.0	31.1	32.0	31.9	30.8	30.3	31.0	30.6	29.6	27.9	28.0	29.0	31.5	34.1	36.0	36.6	35.0	34.8	35.4	34.9	31.8	
21	33.3	32.9	31.9	30.9	31.0	30.9	31.1	33.7	30.8	30.0	29.8	33.7	28.5	27.7	28.8	29.8	33.9	34.9	35.8	36.9	37.0	31.9	35.0	34.8	32.3	
22	34.3	32.9	31.0	32.0	30.4	30.9	41.3	32.7	29.7	31.0	31.6	35.5	36.8	30.7	29.0	31.4	33.5	34.9	35.9	36.7	35.9	35.1	34.7	34.5	33.4	
23 Q	33.7	33.6	33.5	33.4	33.7	33.6	33.8	33.7	33.3	33.2	33.0	32.8	31.9	31.2	31.2	32.6	33.9	35.0	35.3	35.1	34.7	33.9	33.9	33.7	33.5	
24 Q	33.3	32.8	32.9	32.9	32.9	32.8	32.8	32.8	32.8	32.7	32.5	31.9	30.9	29.8	29.8	31.8	33.7	35.7	36.2	35.8	34.9	34.2	33.7	33.6	33.1	
25 D	32.9	32.9	32.8	32.7	32.9	32.9	32.8	32.8	32.7	31.9	31.5	30.9	31.7	29.9	29.8	29.7	32.7	35.0	36.9	37.9	38.7	42.0	40.3	36.2	33.8	
26 D	35.6	32.7	33.0	32.3	32.3	33.7	32.5	31.9	30.5	29.8	32.9	29.4	29.0	26.7	31.9	37.0	39.7	38.7	36.6	41.8	37.1	33.7	33.5	33.4	33.6	
27	32.0	30.0	27.7	28.8	24.9	30.7	39.6	37.9	34.1	34.0	34.9	37.7	38.8	31.0	29.0	34.7	34.8	37.2	37.8	37.3	36.4	36.7	36.3	34.7	34.0	
28	27.7	24.9	29.8	31.8	36.7	36.6	33.7	36.7	32.7	32.8	34.8	30.8	30.7	32.2	32.8	34.6	34.8	35.6	36.7	36.6	37.5	35.9	34.9	33.9	33.5	
29	32.8	33.6	33.6	23.3	29.9	32.6	32.7	32.6	31.8	31.8	31.5	31.8	30.9	29.9	29.7	31.9	34.7	35.8	36.0	36.6	35.7	34.6	34.6	33.8	32.6	
30 Q	33.6	32.8	27.8	33.0	32.8	32.7	31.7	32.3	33.1	30.2	30.4	30.6	29.5	29.6	29.7	32.6	35.4	36.6	36.5	35.6	34.6	34.8	34.6	34.1	32.7	
31	29.7	30.7	33.5	32.8	32.8	33.6	32.7	32.6	32.2	35.6	30.7	28.9	29.4	27.6	29.4	32.8	38.0	38.9	37.7	36.1	35.6	33.9	33.6	32.8	33.0	
Mean	32.3	31.6	31.3	30.8	31.5	31.6	31.9	31.7	30.6	30.5	30.9	30.7	30.6	29.6	30.0	32.5	35.2	36.5	36.9	36.4	35.7	34.7	34.4	33.6	32.6	

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

Table 39 Agincourt

Z = 56,000 γ +

October 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	514	499	502	509	453	490	492	484	481	464	438	440	440	449	464	479	493	508	547	679	570	525	514	511	498	
2	508	505	508	510	511	508	489	484	499	499	497	496	488	491	488	492	500	514	525	528	529	533	531	526	507	
3	522	518	514	516	497	481	463	461	433	421	426	442	456	467	483	496	505	510	526	532	521	515	516	517	489	
4	518	520	511	474	490	505	518	514	510	508	508	508	508	510	508	505	508	508	508	508	511	514	513	511	508	
5	511	511	496	485	466	486	497	499	507	503	500	498	502	504	502	506	502	499	502	505	507	508	505	505	500	
6	502	502	496	500	502	505	502	488	488	492	492	485	488	494	495	495	502	505	504	508	511	521	531	537	502	
7 D	546	534	521	504	496	454	416	327	319	343	445	465	434	434	463	488	504	523	566	612	643	634	571	593	493	
8 D	589	621	560	544	454	436	420	352	383	411	448	492	507	507	514	520	533	560	569	578	599	590	576	566	514	
9	547	523	518	519	521	517	513	513	510	507	509	508	513	512	510	501	498	501	505	511	513	512	513	510	513	
10	509	508	507	507	507	506	496	495	499	501	501	501	501	496	501	498	503	508	516	519	527	533	537	543	509	
11	540	530	524	507	507	495	497	501	507	504	504	507	503	495	492	487	483	492	497	499	504	510	513	516	506	
12	524	530	525	524	517	507	507	504	502	503	501	500	501	497	493	491	492	501	504	505	510	513	508	510	507	
13 Q	511	513	514	510	508	507	505	505	501	504	503	507	507	501	497	491	498	498	501	504	506	504	501	503	504	
14 Q	504	504	503	502	502	501	501	501	500	500	500	501	501	498	494	492	491	490	495	499	504	507	504	501	499	
15	500	497	497	498	498	480	453	467	484	476	471	484	484	487	488	486	480	487	499	504	506	510	506	506	490	
16	504	503	503	500	498	494	488	482	471	464	478	491	499	495	497	491	495	500	510	521	513	503	502	500	496	
17	497	495	495	496	497	498	498	496	494	495	494	494	495	495	489	483	486	488	493	494	495	497	497	500	495	
18	502	503	500	498	496	497	488	456	479	495	500	500	495	492	489	486	486	489	494	494	503	506	527	515	496	
19	513	509	508	498	489	491	491	458	441	444	476	490	486	495	496	489	491	499	502	502	507	518	509	505	492	
20	505	505	507	506	505	502	499	499	496	499	498	501	504	506	503	504	503	506	507	506	506	505	506	511	504	
21	510	503	505	503	500	497	492	473	488	490	478	471	488	497	495	491	495	497	502	506	518	518	518	515	498	
22	515	509	506	498	497	476	331	462	491	500	497	488	476	489	485	486	488	495	500	503	506	503	502	502	490	
23 Q	500	500	498	499	499	499	498	499	500	499	500	500	499	494	492	495	499	498	497	497	497	498	498	497	498	
24 Q	496	496	495	495	494	494	494	493	493	494	497	498	499	497	494	496	499	494	497	499	497	496	496	496	496	
25 D	493	493	493	493	492	491	491	491	491	489	490	490	491	489	483	478	477	478	478	482	480	491	496	498	489	
26 D	497	492	494	494	495	496	495	492	490	486	484	488	491	486	489	487	497	523	542	545	547	551	539	520	505	
27	511	508	508	493	463	490	490	465	483	494	490	484	488	496	499	492	499	502	505	505	511	514	517	517	497	
28	514	495	502	502	475	475	479	472	466	485	492	497	496	495	496	496	495	496	505	508	511	514	508	505	495	
29	499	499	496	493	496	501	501	500	496	499	496	498	499	498	494	493	493	496	499	499	499	496	496	496	497	
30 Q	496	497	494	494	490	490	494	496	492	494	495	496	496	493	491	487	485	489	490	494	497	492	495	494	493	
31	493	490	490	490	493	492	490	485	479	481	473	482	489	491	490	491	497	505	505	502	505	499	497	496	492	
Mean	513	510	506	502	494	492	486	478	480	482	486	490	491	492	493	493	496	502	509	518	518	518	514	514	499	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt

October 1940

Day	Horizontal Intensity					Declination					Vertical Intensity										
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range	Maximum 7° W +		Minimum 7° W +		Range	Maximum 56,000 γ +		Minimum 56,000 γ +		Range						
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	γ					
1 D	19	48	<u>496</u>	16	28	209	287	16	53	49.5	19	34	23.1	26.4	19	53	<u>321</u>	10	02	422	399
2	06	45	290	17	00	230	60	17	02	42.8	08	31	27.0	15.8	21	22	535	06	55	470	65
3	21	58	300	06	44	205	95	17	41	38.9	09	09	22.8	16.1	19	05	540	09	08	397	143
4	10	54	296	02	43	232	64	17	51	36.9	02	47	15.5	21.4	01	15	521	03	08	442	79
5	11	33	304	14	39	251	53	19	40	34.8	03	25	20.8	14.0	00	01	514	04	08	452	62
6	10	52	320	13	48	251	69	19	00	35.9	10	26	27.8	08.1	23	50	544	07	35	479	65
7 D	21	10	422	07	54	<u>004</u>	<u>418</u>	12	48	51.7	08	57	<u>13.0</u>	<u>38.7</u>	21	04	713	07	58	<u>231</u>	<u>482</u>
8 D	20	44	348	04	34	020	323	04	48	<u>54.8</u>	08	04	20.4	34.4	01	11	658	07	03	275	383
9	20	28	296	15	40	265	<u>31</u>	00	09	40.1	14	37	27.0	13.1	00	12	568	16	20	497	71
10	21	22	308	17	00	264	44	18	27	38.2	09	52	27.9	10.3	23	25	544	06	30	490	54
11	10	47	301	15	43	260	41	19	54	35.7	03	45	24.3	11.4	00	35	543	16	10	482	61
12	21	04	308	16	24	255	53	19	08	38.6	13	52	26.9	11.7	01	33	531	15	15	489	42
13 Q	23	59	300	16	10	250	50	17	57	36.3	14	17	25.8	10.5	02	35	514	15	23	489	25
14 Q	23	59	308	16	12	257	51	19	08	37.6	13	50	26.7	10.9	21	10	509	17	15	488	21
15	03	26	323	17	00	251	72	09	51	41.6	13	46	26.1	15.5	21	00	515	06	15	441	74
16	10	07	311	16	28	242	69	08	35	42.3	12	34	27.6	14.7	19	00	526	08	50	461	65
17	21	55	320	15	37	255	65	18	08	38.1	14	17	26.8	11.3	23	20	502	15	35	480	22
18	20	37	342	07	36	250	92	07	33	39.8	07	03	24.4	15.4	22	26	539	07	26	433	106
19	20	31	331	16	41	244	87	20	57	38.0	03	36	25.0	13.0	22	00	518	09	08	413	100
20	22	04	313	16	00	266	47	19	25	37.0	13	38	27.6	09.4	19	00	512	09	15	495	17
21	07	57	309	16	10	250	59	07	06	40.7	14	22	26.3	14.4	20	53	524	07	22	453	71
22	03	05	304	06	43	204	100	06	34	47.0	08	08	27.9	19.1	00	02	519	06	12	343	173
23 Q	23	59	299	17	11	257	42	18	53	35.7	13	53	30.7	05.0	12	30	502	15	30	489	13
24 Q	23	33	305	17	00	250	55	18	35	36.5	13	37	28.9	<u>07.6</u>	17	30	501	15	30	492	<u>09</u>
25 D	21	19	366	15	45	277	89	22	00	44.3	15	15	26.9	17.4	23	56	504	21	07	465	39
26 D	00	10	328	13	32	211	117	19	42	43.9	13	36	21.9	22.0	21	47	559	15	00	477	82
27	10	21	287	15	47	235	52	06	54	48.5	04	23	21.8	26.7	22	40	521	04	30	449	72
28	04	26	303	20	23	258	45	05	03	42.2	01	13	19.7	22.5	00	15	522	08	45	459	63
29	23	10	304	03	20	264	40	19	00	36.6	03	36	15.7	20.9	20	00	502	03	55	489	13
30 Q	23	06	303	15	53	272	<u>31</u>	17	54	36.7	02	39	22.6	14.1	12	10	499	04	48	485	14
31	10	53	307	16	00	253	54	16	50	39.8	13	13	25.7	14.1	20	05	505	10	04	465	40
Mean			321			232	89			40.6			24.3	13.3			543			448	95
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 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	297	293	293	296	298	293	271	267	271	279	301	305	302	290	271	262	256	263	271	285	297	300	300	300	286	
2	299	295	288	290	288	289	288	285	281	283	290	289	296	290	272	256	252	257	267	280	288	298	295	293	234	
3	287	285	290	279	271	280	281	286	273	280	264	291	296	295	286	281	271	268	276	284	290	283	278	278	282	
4	276	273	276	274	271	267	266	283	286	291	296	297	293	262	263	259	258	259	259	271	265	264	258	259	272	
5	247	267	268	252	259	252	272	231	262	273	276	274	274	266	267	261	256	261	268	278	281	291	293	290	267	
6	283	282	286	276	271	276	283	283	284	287	297	299	293	283	274	268	266	268	282	289	297	295	297	297	234	
7	295	291	292	282	278	284	282	287	289	293	297	284	286	290	280	273	272	271	275	284	291	295	299	301	286	
8 Q	295	289	287	282	282	284	282	287	291	292	296	297	296	292	285	280	277	278	284	289	294	295	296	296	289	
9	296	292	290	285	279	284	270	270	275	265	272	293	293	277	267	262	266	278	287	284	286	283	285	287	280	
10 Q	287	287	285	287	284	287	289	290	293	294	295	294	292	289	287	282	282	284	287	284	294	299	304	302	290	
11 Q	301	297	297	298	299	299	298	302	303	304	304	304	297	285	275	271	273	278	285	290	296	304	299	297	294	
12 D	291	293	295	297	298	297	298	305	305	288	314	300	290	284	269	264	269	272	279	290	280	262	274	299	288	
13 D	356	330	295	204	187	232	188	238	238	245	241	252	250	253	250	259	262	271	277	281	288	290	284	284	261	
14	290	279	275	274	277	269	262	267	270	275	274	274	269	262	263	259	256	250	256	276	289	273	263	280	270	
15	286	285	278	281	281	283	279	274	285	290	290	288	281	272	264	256	257	264	274	289	284	278	288	296	280	
16	281	296	301	294	286	286	288	288	288	293	293	292	288	279	267	258	226	238	262	271	279	269	271	273	278	
17	279	281	281	283	284	281	284	284	286	288	289	288	283	274	267	246	264	280	293	277	281	291	279	285	280	
18 Q	290	290	290	290	285	286	287	288	290	289	289	290	288	280	269	261	258	265	276	288	296	296	293	295	284	
19 Q	301	300	301	300	299	296	298	295	286	291	300	299	291	284	276	278	280	286	291	303	306	310	308	308	295	
20	307	304	304	303	303	302	306	309	309	309	309	309	307	300	287	283	282	276	283	287	287	278	293	285	297	
21	265	271	278	282	288	290	290	279	251	208	233	270	278	268	263	254	249	254	265	279	284	280	270	255	267	
22 D	258	256	258	261	256	232	194	172	221	220	216	268	291	271	252	247	250	256	271	289	279	271	288	282	252	
23	279	276	268	254	268	234	199	89	118	199	272	265	265	266	263	256	249	249	258	265	267	279	282	280	246	
24	279	282	282	277	277	277	275	282	283	287	290	290	287	278	279	263	261	266	270	277	287	288	290	296	280	
25 D	291	290	282	285	290	290	289	290	287	261	300	319	299	271	222	247	230	263	255	261	265	266	259	254	274	
26	257	262	238	237	254	265	251	243	189	256	288	295	291	280	268	270	261	266	282	287	238	290	294	295	267	
27	290	284	285	288	287	285	285	285	288	289	292	295	282	268	289	279	268	267	265	271	282	287	298	299	284	
28	297	293	291	286	278	286	289	290	293	293	293	298	293	291	282	274	272	279	284	289	291	298	284	291	288	
29 D	284	286	291	287	264	239	279	272	260	272	306	310	276	248	248	260	246	227	257	262	275	262	249	268	268	
30	279	275	286	289	278	272	277	279	275	270	282	297	289	276	270	255	262	265	269	279	284	286	284	279	278	
31																										
Mean	287	286	284	279	277	277	273	270	271	275	285	291	287	277	269	264	261	265	274	281	286	285	285	287	278	

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt

D = 7° W + . . . ' .

November 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	32.7	32.9	33.6	32.0	32.7	31.6	38.7	27.6	27.8	30.2	32.7	31.8	32.7	32.8	32.8	34.9	37.8	38.7	39.7	37.6	35.5	35.7	32.9	32.7	33.6
2	32.4	32.8	33.7	31.4	33.3	34.5	39.6	39.6	27.7	29.7	30.7	33.7	31.6	29.8	31.7	33.7	36.9	38.7	39.7	38.8	36.6	34.6	33.6	34.5	34.1
3	32.8	33.4	30.1	30.2	30.9	24.5	30.8	32.6	31.0	27.7	33.3	37.5	28.8	28.2	32.1	36.8	38.6	40.2	39.9	40.0	38.9	38.5	36.2	33.0	33.6
4	31.2	30.9	29.8	30.3	29.6	28.4	24.8	31.3	29.7	29.9	29.7	28.9	26.7	27.0	40.7	41.8	37.5	36.5	39.7	37.9	39.2	38.9	34.7	31.1	32.8
5	26.7	29.7	23.7	26.3	23.8	31.9	30.8	43.6	35.7	30.5	33.5	34.7	33.8	34.5	31.1	32.2	34.4	36.9	38.0	37.9	37.3	35.5	35.0	34.2	33.2
6	32.9	32.1	30.3	30.1	32.3	31.6	33.1	33.2	33.7	35.0	30.9	29.8	28.1	28.1	27.3	30.2	32.4	35.1	36.5	36.9	35.3	33.9	33.9	32.8	32.3
7	32.4	30.3	31.5	32.4	32.4	30.1	31.0	34.5	29.0	29.6	29.2	32.9	34.9	30.0	29.4	30.1	32.5	34.5	34.7	33.8	32.3	32.3	32.2	31.7	31.8
8 Q	31.8	32.4	30.1	31.4	30.8	28.8	29.7	30.3	30.0	29.6	27.8	27.9	29.7	27.5	27.9	30.1	33.9	35.6	35.9	34.9	33.8	33.0	32.6	32.7	31.2
9	32.5	32.4	32.6	31.5	29.0	27.9	26.8	31.1	33.1	28.2	32.5	24.1	28.4	29.9	33.5	34.8	40.5	39.8	38.4	37.5	35.1	34.4	33.7	33.7	32.6
10 Q	32.8	32.9	33.3	30.8	31.8	31.9	32.4	31.8	31.5	30.9	30.9	30.5	29.8	29.4	29.9	32.8	35.8	37.2	37.1	34.8	32.8	32.6	32.2	31.6	32.4
11 Q	31.6	31.8	31.9	31.8	32.3	31.7	31.9	31.8	31.3	30.7	30.4	30.1	28.9	28.7	29.1	30.8	33.5	34.8	35.5	34.7	34.1	33.3	33.1	32.7	31.9
12 D	31.1	31.8	31.8	31.7	31.8	31.7	31.6	30.8	28.3	31.1	25.8	20.6	21.9	27.4	28.6	32.3	36.4	38.9	40.1	41.0	38.3	34.4	37.7	40.8	32.3
13 D	39.4	33.2	35.4	27.7	29.1	22.7	30.3	28.4	29.9	31.9	29.1	31.4	30.9	29.4	32.1	34.6	35.9	38.5	37.8	34.9	34.5	34.3	33.1	33.2	32.4
14	33.7	33.5	31.1	32.4	32.4	30.6	30.4	28.9	29.0	29.6	30.9	30.3	28.7	29.8	28.5	32.7	35.8	39.4	39.9	37.4	36.5	35.8	31.9	31.9	32.5
15	31.3	30.7	27.0	31.1	32.0	32.8	33.4	35.0	30.5	30.1	30.0	29.4	29.6	28.1	28.7	30.5	35.3	38.3	38.3	37.4	38.1	37.7	36.8	35.5	32.8
16	34.8	31.3	31.2	32.0	31.6	31.3	32.0	31.8	31.7	30.9	30.1	31.0	30.0	28.2	27.6	28.6	38.8	43.2	45.0	42.4	44.4	40.3	39.1	35.3	34.3
17	30.7	30.8	31.9	32.2	33.0	33.5	33.2	32.4	32.0	31.5	31.3	30.6	29.2	28.5	28.3	33.1	41.1	41.7	40.5	41.6	37.3	36.1	33.4	33.4	33.6
18 Q	31.4	31.7	30.8	31.0	31.7	31.7	32.0	31.4	30.8	31.0	31.3	30.3	30.4	28.4	27.5	30.7	33.7	36.1	36.4	35.6	33.7	32.8	34.3	32.0	32.0
19 Q	30.2	31.3	30.6	30.8	31.7	31.5	31.3	30.5	31.2	32.8	28.3	27.7	27.9	27.7	28.6	33.0	33.8	35.6	35.9	34.8	33.6	33.2	32.2	31.8	31.5
20	31.5	31.5	31.5	31.7	31.8	31.8	32.0	31.8	31.7	31.3	30.7	29.8	29.5	29.6	28.3	31.9	35.5	36.4	36.8	36.0	35.8	35.9	32.4	33.3	32.4
21	29.8	30.7	26.1	30.5	32.9	32.1	30.4	30.2	25.5	27.8	27.3	29.1	28.6	30.8	29.4	30.9	34.1	35.6	35.9	35.3	34.1	34.6	34.9	23.6	30.8
22 D	27.3	26.4	28.6	28.9	29.1	26.4	30.1	41.2	24.1	23.9	41.9	38.4	33.8	25.6	28.3	30.4	33.6	35.3	35.9	37.5	38.2	35.9	31.9	34.3	32.2
23	31.7	23.9	28.9	28.9	27.8	38.3	25.6	38.4	51.9	40.8	28.5	32.9	34.8	32.1	31.4	34.5	35.3	36.4	36.8	35.9	35.3	33.4	31.9	31.7	33.8
24	30.5	31.7	31.9	31.9	32.5	35.6	40.1	33.5	31.3	30.6	29.8	29.6	29.3	29.4	29.4	31.7	34.5	35.5	35.8	35.4	34.8	35.7	34.2	32.8	32.8
25 D	31.5	30.9	30.5	31.6	31.4	30.6	31.5	31.5	30.5	32.7	26.7	30.7	33.8	38.5	49.4	45.4	53.4	40.8	39.6	37.4	34.8	31.8	32.4	32.1	35.0
26	30.1	29.6	17.8	24.9	27.4	33.5	32.6	35.8	54.1	32.1	26.4	27.5	27.7	30.4	28.8	32.2	34.8	34.5	34.4	34.3	33.1	32.3	32.1	31.2	31.6
27	31.8	28.3	28.9	31.8	31.4	31.3	31.8	31.1	34.4	30.1	29.3	29.8	32.4	39.4	36.8	35.8	36.2	36.3	36.4	35.8	34.7	30.7	31.3	30.6	32.8
28	30.8	30.7	30.7	31.7	31.6	31.2	31.4	32.2	31.1	30.4	30.7	28.5	29.1	27.9	27.6	30.5	33.2	34.8	34.9	33.7	33.2	34.4	32.6	33.1	31.5
29 D	30.3	28.8	28.8	30.0	27.8	48.1	25.9	29.9	33.7	39.4	25.0	29.1	33.5	39.9	47.3	36.9	38.4	41.6	42.1	37.9	35.3	32.8	20.2	28.9	35.5
30	29.8	27.2	33.1	35.8	32.7	30.8	33.5	31.8	32.1	37.6	33.7	30.3	31.4	29.5	30.9	35.5	34.0	35.5	36.1	35.8	34.8	33.4	32.5	29.3	32.8
31																									
Mean	31.6	31.0	30.4	30.8	30.9	31.6	31.6	32.8	32.1	31.4	30.3	30.3	30.2	30.2	31.4	33.3	36.3	37.4	37.8	36.8	35.7	34.5	33.2	32.5	32.7

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

Table 43 Agincourt

$Z = 56,000 \gamma +$

November 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	494	494	494	491	492	482	446	446	448	465	475	460	468	475	475	479	484	490	494	498	496	494	494	493	480
2	490	490	493	488	490	491	482	449	460	484	491	488	487	488	488	488	494	496	499	502	502	502	499	499	489
3	502	505	488	487	485	472	485	487	471	467	467	457	460	460	463	473	479	485	493	497	502	508	508	508	484
4	507	505	504	491	481	452	457	482	488	491	493	493	490	486	478	481	490	499	508	520	531	544	541	564	499
5	549	525	509	489	485	486	468	423	424	467	477	495	494	495	503	495	498	501	500	504	504	504	500	499	491
6	499	493	482	488	487	487	489	492	495	495	494	494	495	495	495	495	495	503	504	503	501	501	498	495	495
7	495	494	494	494	492	488	496	472	472	492	489	487	489	488	486	489	489	497	503	507	502	498	498	495	492
8 Q	495	495	496	497	495	492	491	488	494	494	493	493	495	490	489	486	487	488	493	496	498	495	495	495	493
9	495	495	494	495	492	460	465	469	445	448	445	462	469	470	482	489	495	498	504	501	504	504	504	504	483
10 Q	504	504	503	495	498	498	495	495	495	494	494	495	495	492	492	493	496	498	495	495	493	491	491	489	496
11 Q	489	489	489	489	488	485	490	490	489	488	488	489	489	494	495	493	489	492	497	498	497	498	495	493	492
12 D	494	497	494	492	493	490	492	491	486	464	416	446	467	474	477	479	483	488	493	506	515	553	538	594	493
13 D	703	609	518	412	482	460	463	575	529	526	503	504	499	488	487	487	485	486	493	497	498	498	497	500	508
14	508	516	515	521	509	503	506	500	503	503	491	492	493	497	485	493	494	501	503	502	508	506	515	510	503
15	503	504	504	503	500	497	471	474	492	497	494	492	494	492	488	485	488	491	493	497	497	500	500	506	494
16	504	500	494	492	489	491	493	492	493	492	491	492	488	488	486	484	482	494	499	503	507	512	518	510	496
17	504	497	493	491	488	492	491	493	493	492	491	493	488	488	488	488	494	489	494	499	497	501	504	504	494
18 Q	503	500	497	493	494	492	491	491	489	488	488	491	491	487	482	484	487	493	493	497	494	492	492	493	492
19 Q	492	491	489	487	487	485	485	483	481	483	482	481	484	484	482	485	486	486	488	488	490	488	487	487	486
20	486	484	485	485	485	485	484	485	484	484	483	481	482	484	482	481	481	485	487	491	494	493	496	511	487
21	523	509	500	500	494	492	487	468	393	365	396	449	465	502	505	496	496	494	496	496	496	497	503	515	481
22 D	514	528	526	514	501	488	426	377	466	450	401	401	446	484	493	493	496	499	502	514	508	508	502	514	481
23	508	508	513	506	481	415	357	267	282	324	378	443	469	487	488	491	496	503	511	512	511	508	503	503	457
24	502	498	499	498	497	494	485	494	499	498	499	496	494	492	491	491	493	496	498	500	499	502	502	496	496
25 D	496	499	499	496	495	492	492	491	483	426	446	460	452	466	466	468	484	492	503	506	508	508	514	526	486
26	523	509	490	487	440	446	430	409	394	429	474	487	487	492	498	496	491	492	497	496	496	494	493	491	477
27	490	490	486	492	490	490	489	487	482	485	487	488	485	492	482	481	486	495	501	508	507	504	501	498	491
28	495	492	492	492	493	495	494	493	493	493	492	491	489	489	487	484	486	493	496	497	496	497	497	501	493
29 D	501	498	495	493	478	398	462	469	451	420	465	471	472	487	491	489	495	515	518	515	516	525	538	530	487
30	514	501	483	474	481	489	497	496	492	482	472	481	483	492	498	497	497	495	498	501	497	496	498	495	492
31																									
Mean	503	504	497	491	489	477	475	473	469	470	472	479	482	487	487	487	490	494	499	502	502	504	504	507	490

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt

November 1940

Day	Horizontal Intensity						Declination						Vertical Intensity									
	Maximum			Minimum			Range	Maximum			Minimum			Range	Maximum			Minimum			Range	
	15,000 γ +			15,000 γ +				7° W +			7° W +				56,000 γ +			56,000 γ +				
h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ		
1	04	54	312	06	33	252	60	06	32	44.7	07	24	22.7	22.0	20	00	499	07	00	402	97	
2	21	23	300	16	16	252	48	07	02	46.0	08	32	24.9	21.1	21	25	503	07	33	440	63	
3	11	30	303	10	51	256	47	11	03	45.5	05	16	20.4	25.1	22	55	511	11	38	451	60	
4	12	03	301	13	51	247	54	14	10	44.2	05	55	20.8	23.4	23	50	581	06	00	423	158	
5	22	30	296	07	21	213	83	07	31	50.0	03	36	08.6	41.4	00	01	569	07	57	396	173	
6	20	53	305	15	46	263	42	02	00	37.8	02	18	22.7	15.1	18	10	504	02	36	474	30	
7	20	52	306	16	43	263	43	12	17	37.8	10	39	27.8	10.0	19	30	507	08	09	448	59	
8 Q	00	01	299	16	38	275	<u>24</u>	18	46	36.1	14	43	26.7	09.4	20	20	500	15	00	486	14	
9	05	30	302	10	00	231	71	18	50	42.7	11	18	22.7	20.0	18	20	504	10	15	426	78	
10 Q	22	17	304	03	00	280	<u>24</u>	17	56	37.4	13	22	28.9	08.5	01	00	505	03	40	489	16	
11 Q	21	06	311	15	28	271	40	18	17	35.5	13	40	28.1	<u>07.4</u>	21	10	501	05	40	485	16	
12 D	10	22	327	21	54	240	87	23	14	47.3	11	04	15.8	31.5	23	57	642	10	35	398	244	
13 D	01	23	<u>424</u>	07	01	111	<u>313</u>	02	29	53.1	03	02	<u>-17.1</u>	<u>70.2</u>	00	45	<u>733</u>	03	27	273	<u>460</u>	
14	20	48	308	17	44	246	62	17	46	40.7	12	28	26.2	14.5	03	05	527	14	55	484	43	
15	19	37	303	13	28	250	53	19	49	40.1	02	48	23.6	16.5	23	59	508	07	07	451	57	
16	01	40	303	15	39	219	85	18	27	46.7	13	17	25.5	21.2	22	35	519	16	02	461	58	
17	18	54	308	15	38	231	77	19	38	45.8	15	10	27.3	18.5	19	47	512	15	23	475	37	
18 Q	21	00	303	16	27	257	46	19	00	36.5	13	42	27.3	09.2	00	03	505	15	30	481	24	
19 Q	21	37	314	14	27	275	39	19	00	33.5	13	28	25.8	10.7	00	22	494	16	00	481	<u>13</u>	
20	10	45	313	23	41	265	48	23	33	37.0	23	51	25.3	11.7	23	54	546	16	50	478	68	
21	05	42	307	09	40	188	119	10	03	39.3	23	47	15.8	23.5	23	22	538	09	19	343	195	
22 D	12	34	314	07	10	065	249	07	07	54.9	08	12	20.3	34.6	01	37	535	07	20	312	223	
23	10	22	295	08	42	<u>034</u>	261	08	06	65.8	07	08	13.9	48.9	02	09	520	07	35	<u>197</u>	323	
24	23	24	298	16	10	<u>258</u>	40	06	18	43.3	13	48	28.8	14.5	00	02	505	06	29	479	26	
25 D	11	21	331	14	38	167	164	15	00	65.9	10	28	22.9	43.0	23	52	534	09	29	404	130	
26	04	54	303	08	27	152	151	08	29	62.4	03	07	10.1	52.3	00	02	531	08	43	375	156	
27	23	34	302	16	54	262	40	13	48	42.4	02	04	23.9	18.5	21	20	508	14	40	477	31	
28	21	22	306	15	36	267	39	21	54	35.4	13	49	26.5	08.9	23	59	504	15	20	483	21	
29 D	10	55	318	05	38	207	111	05	26	<u>67.1</u>	06	11	14.4	52.7	22	00	543	05	17	315	228	
30	02	57	317	15	39	248	69	09	51	43.2	02	50	19.5	23.7	00	01	524	03	07	459	65	
31																						
Mean			311			225	86			45.4			21.1	24.3			531			425	106	
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 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	288	287	282	275	282	286	291	287	277	292	289	286	301	297	280	272	274	269	264	278	289	285	278	272	283
2	265	270	255	274	282	278	287	292	289	281	257	292	299	281	264	241	260	267	270	281	291	281	257	268	274
3	279	282	287	289	283	283	287	289	291	293	292	291	301	296	277	282	279	272	275	277	279	264	286	296	285
4	297	291	286	294	286	286	289	294	291	293	296	298	289	301	287	282	275	274	272	277	286	292	296	296	289
5	287	286	287	291	269	271	281	292	291	293	295	293	294	292	285	275	269	267	273	282	291	295	295	292	285
6 Q	294	292	292	285	292	288	292	294	292	291	293	295	292	286	282	277	273	271	276	282	282	288	295	295	287
7 Q	297	292	295	293	292	292	295	295	295	296	298	300	300	295	288	284	283	285	291	296	297	298	299	303	294
8 Q	303	303	302	301	302	302	302	303	305	307	307	308	305	301	295	288	283	285	290	291	295	298	300	303	299
9	303	307	310	309	303	290	272	273	273	288	303	310	300	303	310	300	292	287	291	290	290	295	300	303	296
10	295	298	298	295	298	294	291	294	291	295	296	300	304	302	300	295	273	288	298	297	293	298	300	298	295
11	297	303	296	293	286	287	291	288	290	288	292	290	288	283	276	270	266	266	278	286	296	290	281	296	286
12	285	286	295	296	294	293	289	286	290	294	294	294	291	291	289	270	272	280	236	279	282	291	296	299	288
13	306	306	284	291	295	287	289	285	285	279	292	294	295	294	293	283	282	285	292	297	291	294	299	302	292
14	299	303	304	300	295	293	292	291	296	290	299	291	289	303	295	284	267	244	251	277	289	285	290	291	288
15	291	291	292	288	290	289	287	290	291	292	297	302	294	287	280	282	282	275	272	286	287	301	296	270	288
16	297	299	294	289	285	285	292	293	285	290	296	300	297	290	290	284	275	272	276	287	298	301	301	299	291
17	299	296	296	298	297	296	296	294	294	296	296	297	294	281	277	275	270	267	272	285	297	301	295	302	291
18 Q	291	279	281	294	294	294	295	294	294	294	294	294	292	288	280	270	263	265	277	294	304	304	305	304	289
19 Q	302	299	300	299	298	299	298	298	299	298	296	299	297	295	294	288	282	286	294	308	315	311	301	301	298
20 D	288	283	291	288	290	281	279	293	294	285	249	293	284	267	279	223	214	240	252	264	277	249	269	276	271
21 D	276	281	257	216	183	202	236	251	240	262	281	256	284	289	269	257	257	259	252	260	259	276	281	276	257
22 D	276	296	280	269	266	275	278	285	275	281	296	301	279	295	290	252	257	261	267	274	278	288	284	286	279
23	278	286	284	283	284	283	288	281	283	282	288	296	274	284	281	269	249	260	271	259	262	269	274	281	277
24	286	277	278	283	286	287	289	287	284	288	294	297	293	290	289	293	283	274	276	278	281	281	287	292	286
25	290	288	286	293	286	288	283	274	280	293	289	291	298	301	305	286	308	314	272	278	284	287	289	290	290
26	289	288	283	274	269	284	290	289	281	267	305	305	301	293	290	284	276	272	274	267	271	285	296	288	284
27	281	287	283	278	281	283	286	282	284	293	298	303	296	288	298	286	284	279	280	281	285	288	289	291	287
28	289	284	279	288	295	293	294	293	289	297	303	302	302	298	291	283	280	282	287	292	292	263	276	271	288
29	278	258	263	259	253	263	259	270	274	280	280	284	292	290	280	259	250	255	267	282	283	275	280	287	272
30 D	292	280	283	275	300	308	268	205	165	282	297	292	290	288	290	266	246	246	257	270	300	316	322	316	277
31 D	309	297	311	297	285	277	280	280	288	294	294	292	300	297	278	266	244	236	251	270	284	288	292	292	283
Mean	291	289	288	286	284	284	285	285	282	289	292	295	294	292	287	275	270	270	274	281	287	288	291	291	285

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt

D = 7° W + . . . '

December 1940

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	29.8	29.4	28.2	28.9	33.1	29.8	32.2	33.3	35.8	29.8	29.1	34.3	30.3	28.4	32.3	34.6	34.5	35.8	37.5	36.5	36.7	33.4	33.0	32.4	32.5
2	27.4	27.7	30.1	25.4	30.2	32.7	35.1	33.1	30.9	29.6	42.5	35.5	33.7	30.6	30.1	34.2	36.3	36.9	37.4	35.4	34.8	33.7	32.8	30.5	32.8
3	30.8	27.4	24.9	30.4	29.5	30.5	31.7	32.1	31.6	30.8	36.7	36.8	36.9	32.5	36.7	36.9	34.4	35.4	35.5	35.5	35.4	33.7	32.9	31.7	32.9
4	31.1	30.4	28.4	24.8	31.8	31.8	38.2	32.5	23.8	30.8	34.6	32.5	33.7	33.4	36.8	37.7	38.2	36.4	35.8	34.7	34.4	32.9	31.8	31.8	33.0
5	32.4	31.0	29.3	31.3	29.6	28.1	31.8	29.4	29.6	30.1	30.5	30.8	29.7	28.8	29.3	29.8	31.4	33.4	34.8	34.7	33.6	32.9	33.5	32.5	31.2
6 Q	31.1	30.1	29.3	29.9	27.7	29.5	30.4	31.9	31.4	33.8	31.2	29.6	29.8	27.7	26.6	28.8	30.9	33.5	34.6	33.8	34.2	33.7	32.5	31.4	31.0
7 Q	31.0	27.8	26.7	31.0	31.0	32.0	32.2	32.0	31.8	31.5	31.3	30.2	29.7	28.9	28.9	31.4	33.2	33.9	33.8	33.5	33.4	33.2	32.8	32.2	31.4
8 Q	31.6	31.4	31.4	31.4	31.6	31.6	31.6	31.8	31.9	31.3	31.2	30.8	30.8	30.4	29.9	30.1	31.6	32.5	33.4	33.3	34.1	34.1	32.7	32.2	31.8
9	31.3	30.9	29.9	29.6	29.7	29.7	26.2	26.6	28.0	24.9	26.4	28.2	32.6	37.2	35.5	31.7	31.9	33.2	33.7	33.4	33.1	33.6	33.5	33.4	31.0
10	32.4	32.3	31.4	30.2	30.7	29.8	29.7	29.6	29.6	29.2	28.8	30.4	30.0	28.7	29.1	31.0	33.4	41.9	39.1	36.8	36.1	35.4	36.8	31.9	32.1
11	31.8	30.8	31.0	31.3	30.9	31.4	30.6	29.2	31.3	29.5	29.0	29.6	29.6	29.0	29.6	31.2	33.6	35.8	38.2	36.8	35.8	37.8	35.5	34.1	32.2
12	34.6	32.7	31.8	30.4	30.0	29.7	29.6	28.6	27.7	27.7	29.5	30.6	29.5	30.1	29.6	32.6	34.7	35.1	34.8	35.1	35.6	34.5	33.0	32.2	31.6
13	30.4	32.8	31.8	30.5	32.2	30.8	31.2	30.8	29.1	40.1	29.9	28.8	29.6	28.8	29.1	31.3	32.7	34.2	34.7	35.8	35.5	35.9	34.1	33.1	32.2
14	32.2	31.6	31.7	31.9	31.5	32.3	31.8	30.9	29.7	30.6	28.9	34.8	39.9	33.9	28.8	31.3	34.4	41.4	43.5	40.7	38.8	37.6	36.0	32.4	34.0
15	31.5	30.2	30.3	30.9	31.0	31.3	31.5	31.7	31.8	31.6	31.8	31.6	31.2	29.2	32.8	32.9	33.8	36.0	37.4	39.8	37.8	34.8	35.9	28.9	32.7
16	32.6	30.8	29.5	29.7	29.8	32.9	33.6	33.3	32.1	38.8	31.1	30.3	29.8	30.7	29.9	30.6	32.0	34.6	36.7	37.4	35.9	34.3	33.9	33.0	32.6
17	31.6	30.9	30.7	31.2	32.1	32.1	32.2	32.1	31.5	31.5	30.2	30.2	30.5	33.5	31.9	31.5	32.6	35.6	38.0	37.9	36.6	35.9	33.3	32.7	32.8
18 Q	31.6	30.8	30.6	32.8	31.9	33.1	33.7	32.8	32.1	31.6	33.5	31.4	32.6	27.9	26.2	27.9	31.8	35.8	38.0	37.0	35.1	32.8	31.6	30.6	32.2
19 Q	30.2	29.4	31.6	30.8	30.8	31.5	31.6	31.5	31.5	29.8	29.4	29.6	30.9	28.9	28.6	30.8	33.7	36.5	36.9	36.1	34.8	33.2	32.2	31.6	31.8
20 D	31.6	29.7	29.1	29.6	28.0	27.8	29.0	29.6	30.6	28.4	54.6	54.6	41.5	48.8	32.6	34.6	37.6	38.5	38.4	36.6	37.5	30.4	29.9	34.8	35.2
21 D	28.9	27.7	24.8	30.5	16.8	24.8	34.8	39.0	39.8	37.2	32.9	39.7	39.7	32.8	33.8	36.2	34.5	35.9	37.6	37.9	35.2	30.3	33.2	32.8	33.2
22 D	29.7	20.9	26.8	28.3	31.8	33.5	32.2	36.8	32.8	37.3	36.5	39.9	40.3	41.6	32.8	35.6	35.7	35.8	35.4	34.8	34.2	32.8	32.6	32.4	33.8
23	27.5	25.8	30.6	30.3	30.7	31.0	32.6	31.6	31.7	29.6	31.2	30.0	33.6	33.5	32.8	36.7	44.0	40.7	37.7	37.7	35.3	36.0	34.6	27.5	33.0
24	31.9	30.1	29.8	30.0	32.0	33.1	33.0	32.4	34.9	35.7	32.8	32.1	34.6	33.7	31.5	31.3	31.8	32.8	33.8	34.2	34.8	34.7	34.7	33.7	32.9
25	32.8	31.7	30.6	32.7	30.6	29.8	30.0	42.8	33.8	26.7	31.8	36.0	37.8	36.1	30.0	31.6	35.6	37.0	36.9	35.8	35.1	34.1	32.9	32.7	33.5
26	31.9	31.8	31.0	28.8	31.6	33.4	31.4	33.4	32.3	42.8	35.0	32.7	34.7	30.6	27.8	29.0	30.9	33.4	34.6	35.8	36.0	33.9	33.5	32.9	32.9
27	31.9	30.7	30.8	28.7	29.7	30.8	30.0	31.3	30.6	30.2	31.1	31.9	34.8	39.7	34.8	35.7	35.0	34.9	34.1	32.7	32.8	32.7	32.7	31.9	32.5
28	31.7	31.1	32.0	31.0	33.4	31.6	32.1	32.5	39.0	34.8	30.7	30.2	30.4	30.9	30.4	30.3	32.0	33.7	34.8	34.6	35.0	39.1	38.6	33.6	33.1
29	33.0	30.0	29.7	34.7	31.6	31.6	28.9	34.1	34.9	32.8	35.2	37.8	32.9	30.1	29.7	32.7	38.0	38.9	37.7	34.7	35.8	35.0	31.1	30.7	33.4
30 D	30.8	30.3	29.7	29.6	27.9	30.3	29.0	41.7	34.8	25.0	26.0	31.9	33.0	34.8	30.8	33.0	35.0	37.6	39.8	38.5	34.9	32.7	30.8	30.3	32.4
31 D	30.8	19.3	18.9	30.7	31.9	33.0	36.8	40.7	32.0	31.9	32.8	33.6	32.3	28.8	28.8	33.0	37.9	42.0	43.7	38.7	35.7	33.7	32.7	32.0	33.0
Mean	31.2	29.6	29.4	30.2	30.4	31.0	31.8	32.9	32.0	31.8	32.4	33.1	33.1	32.2	30.9	32.4	34.3	36.1	36.7	36.0	35.3	34.2	33.3	32.0	32.6

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

Table 47 Agincourt

$Z = 56,000 \gamma +$

December 1940

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	496	495	494	490	472	487	489	481	472	475	475	477	481	479	477	475	475	481	489	496	500	507	504	507	486
2	507	499	494	495	497	492	477	471	478	484	445	439	473	477	480	484	492	495	498	495	495	498	501	507	487
3	503	498	492	495	489	490	488	490	489	484	478	468	479	480	478	475	480	486	493	498	500	503	502	493	489
4	492	492	491	488	488	486	471	474	480	482	474	474	478	484	485	487	490	495	498	501	499	498	495	495	487
5	496	497	495	482	479	477	485	492	492	494	492	489	490	492	491	487	489	492	495	498	495	497	499	495	491
6 Q	495	493	492	492	490	490	489	490	489	486	485	486	490	490	490	488	486	488	490	492	495	496	492	489	490
7 Q	488	489	483	488	486	489	488	488	488	487	486	487	487	486	485	481	485	489	491	490	485	486	485	485	487
8 Q	483	483	483	482	482	482	482	482	482	482	482	480	479	477	477	474	477	480	485	483	483	483	483	482	481
9	480	479	479	479	480	478	477	477	466	476	479	477	473	470	464	463	467	472	477	479	483	485	488	487	476
10	485	485	486	487	485	485	485	484	483	483	480	481	479	474	470	468	470	477	482	484	483	488	488	485	482
11	485	484	483	485	486	487	488	485	482	482	485	483	484	484	483	480	479	480	488	494	500	498	506	501	487
12	509	505	500	496	491	491	490	485	476	485	485	485	485	485	483	477	482	482	483	488	491	492	489	491	489
13	491	485	500	499	496	492	489	487	484	465	473	483	488	486	485	484	480	482	489	491	489	490	489	488	487
14	490	490	489	489	489	488	485	485	480	479	479	476	476	471	470	467	466	477	490	498	494	492	492	493	484
15	492	489	485	485	483	484	484	484	484	482	480	480	479	478	477	471	473	471	477	485	488	488	490	497	483
16	494	489	485	485	483	483	483	482	477	450	460	476	476	477	478	471	473	478	482	483	485	485	483	482	479
17	480	482	482	480	479	477	477	477	477	476	475	476	476	476	477	473	471	473	478	482	484	484	490	486	479
18 Q	488	486	490	487	483	480	479	478	479	477	476	470	475	479	477	470	472	477	483	488	488	484	483	482	481
19 Q	481	481	482	482	480	480	480	479	477	475	476	477	479	482	476	473	473	477	483	488	482	479	480	482	479
20 D	487	490	485	484	484	463	463	478	480	466	405	407	429	452	466	470	489	528	526	501	511	538	552	532	483
21 D	525	510	500	472	414	430	443	469	448	464	450	454	475	476	472	476	484	489	493	499	500	508	499	496	477
22 D	499	487	482	488	488	471	462	462	440	432	440	446	449	465	460	469	475	479	488	489	489	490	487	486	472
23	491	489	490	488	485	480	479	473	476	465	475	475	475	485	483	483	484	488	495	495	506	506	504	499	486
24	495	500	494	490	480	476	478	479	479	475	476	475	480	479	484	478	476	481	483	488	490	493	490	488	484
25	489	490	490	481	484	481	473	412	440	464	472	470	470	471	471	470	476	482	490	490	491	493	491	488	476
26	484	485	484	484	479	467	473	477	472	440	434	440	455	472	477	479	480	482	486	493	498	496	490	489	476
27	486	486	484	484	479	482	479	471	468	478	479	479	475	478	475	471	474	476	482	485	486	487	485	485	480
28	483	483	487	483	472	480	481	479	471	448	468	476	477	479	478	477	478	481	483	486	488	496	514	546	483
29	530	507	495	477	441	453	469	475	471	475	474	479	486	489	486	478	486	489	498	498	498	495	506	504	486
30 D	498	493	489	488	480	457	454	405	301	433	454	455	477	476	474	472	480	492	501	509	497	492	485	485	469
31 D	489	527	492	497	500	488	478	455	463	474	478	481	479	480	471	466	466	476	492	502	501	495	492	490	485
Mean	494	492	490	487	481	480	478	475	470	472	471	471	476	479	478	476	479	484	490	492	493	495	495	494	483

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt

December 1940

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range γ	Maximum 7° W +		Minimum 7° W +		Range	Maximum 56,000 γ +		Minimum 56,000 γ +		Range
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	12 46	304	18 55	258	46	04 02	44.1	03 09	20.1	24.0	21 48	515	04 20	456	59
2	12 07	313	15 42	231	82	11 02	53.4	03 19	22.6	30.8	00 40	508	11 02	401	107
3	12 03	307	21 29	253	54	12 13	41.6	02 06	18.8	22.8	00 01	507	11 25	452	55
4	13 47	305	18 52	256	49	06 20	43.6	03 19	19.1	24.5	19 29	504	06 32	460	44
5	03 25	305	05 56	252	53	03 43	36.1	04 48	25.3	10.8	20 25	501	05 50	462	39
6 Q	23 59	298	17 06	266	32	09 43	35.3	04 11	26.2	09.1	00 25	496	15 18	483	13
7 Q	23 59	304	17 16	282	22	17 50	34.2	02 13	23.6	10.6	18 30	491	15 45	480	11
8 Q	11 17	309	13 55	281	28	21 00	34.5	14 33	29.6	04.9	18 20	485	15 30	474	11
9	14 00	315	08 19	263	52	14 02	39.0	09 07	22.6	16.4	22 35	488	09 02	455	33
10	22 49	307	16 50	258	49	17 30	43.6	10 23	28.0	15.6	22 48	490	15 20	466	24
11	01 28	307	22 01	261	46	21 42	40.4	11 03	27.6	12.8	22 25	509	08 55	476	33
12	23 59	302	15 31	256	46	17 31	37.1	08 40	24.8	12.3	00 30	512	08 22	466	46
13	01 33	323	09 20	271	52	09 33	45.3	00 54	21.7	23.6	02 15	503	09 57	454	49
14	13 03	308	17 19	237	71	18 07	47.0	10 27	27.4	19.6	19 18	500	16 00	463	37
15	21 55	306	18 08	252	54	19 06	40.9	23 31	25.0	15.9	23 40	503	16 50	470	33
16	22 07	309	17 50	262	47	09 14	46.3	03 57	27.0	19.3	00 01	499	09 42	437	62
17	20 37	306	17 42	263	43	18 45	39.3	12 03	29.2	10.1	02 40	493	16 00	469	24
18 Q	22 17	309	17 12	257	52	18 13	38.2	14 24	25.9	12.3	02 50	490	11 10	469	21
19 Q	20 15	313	17 00	280	38	18 07	37.2	14 17	26.9	10.3	20 03	488	16 15	472	16
20 D	11 55	320	16 28	192	128	11 16	61.9	06 50	23.8	38.1	22 18	573	10 57	359	214
21 D	01 37	309	04 57	144	135	12 03	44.6	04 04	08.7	35.9	00 05	531	05 00	337	194
22 D	13 48	313	16 00	235	78	13 22	46.2	01 23	10.2	36.0	00 02	500	10 00	418	82
23	11 18	303	15 52	240	63	16 48	47.5	00 57	17.7	29.8	20 33	508	09 32	463	45
24	11 01	302	16 50	240	62	09 00	37.0	02 15	28.0	09.0	01 46	502	04 50	465	37
25	14 17	309	16 27	254	55	07 31	49.9	09 27	25.7	24.2	21 21	495	07 43	375	120
26	10 37	315	09 38	250	65	09 28	46.0	03 52	24.7	21.3	20 09	499	09 50	419	80
27	12 08	306	03 05	269	37	13 20	46.8	03 42	27.3	19.5	21 58	488	15 35	466	22
28	04 06	309	21 32	249	60	08 50	43.8	03 26	26.6	17.2	23 35	557	09 18	442	115
29	00 09	340	04 07	217	123	04 00	54.7	04 55	22.6	32.1	00 05	577	04 28	411	166
30 D	22 28	346	08 08	051	295	08 00	68.3	08 42	20.5	47.8	19 34	514	08 10	203	311
31 D	02 48	327	17 18	220	107	07 25	45.7	01 52	-11.4	57.1	01 41	553	07 43	445	108
Mean		311		242	69		44.2		22.5	21.7		509		438	71
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

Hour Month Season	U. T.																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 43 Agincourt HORIZONTAL INTENSITY (gammas) (All Days) 1940																								
January	+7	+5	+5	+3	+4	+1	+1	+2	+3	+8	+10	+10	+10	+1	-9	-26	-28	-17	-10	-3	+3	+5	+8	+7
February	+4	+3	+4	+4	+2	+2	+2	+1	+2	+2	+6	+8	+4	-3	-9	-15	-15	-14	-7	-1	+1	+4	+7	+8
March	+15	+7	+5	+3	-2	-1	-2	-1	+3	0	+3	+5	+2	-7	-20	-27	-35	-21	-7	+2	+9	+14	+26	+22
April	+12	+8	-1	-4	-13	-11	-11	-7	-6	-6	+3	+3	-1	-13	-24	-25	-18	-7	+5	+20	+25	+30	+30	+24
May	+11	+4	+5	+2	-2	-6	-7	-3	-6	-9	-3	-3	-8	-14	-22	-25	-17	-5	+7	+19	+25	+24	+21	+16
June	+13	+8	+3	-1	-9	-11	-9	-2	-4	-7	-2	-1	-7	-22	-24	-31	-22	-10	+2	+20	+27	+33	+28	+19
July	+9	+4	+3	+1	+1	-1	-4	-1	-2	-5	-3	-1	-11	-18	-22	-25	-19	-7	+5	+16	+19	+21	+18	+16
August	+9	+7	+4	+5	+5	+4	+5	+3	0	-2	-1	-9	-23	-32	-36	-29	-18	0	+12	+21	+24	+21	+13	
September	+13	+10	+6	+7	+6	+3	+1	+6	+8	+8	+6	+4	-1	-14	-23	-33	-28	-21	-7	+8	+14	+17	+14	+14
October	+7	+7	+4	+4	0	-2	-2	-4	+3	+8	+12	+11	+6	-4	-15	-20	-24	-16	-7	+5	+11	+12	+8	+7
November	+9	+8	+6	+1	-1	-1	-2	-8	-7	-3	+7	+13	+9	-1	-9	-14	-17	-13	-4	+3	+8	+7	+7	+9
December	+6	+4	+3	+1	-1	-1	0	0	-3	+4	+7	+10	+9	+7	+2	-10	-15	-15	-11	-4	+2	+3	+6	+6
Year	+9.6	+5.2	+3.9	+2.2	-0.8	-2.0	-2.3	-1.0	-0.5	+0.0	+3.7	+4.8	+0.2	-3.2	-17.8	-24.0	-22.2	-13.7	-2.8	+8.0	+13.8	+16.2	+16.2	+13.4
Winter	+8.5	+5.0	+4.5	+2.2	+1.0	+0.2	-0.5	-1.2	-1.2	+2.8	+7.5	+10.2	+8.0	+1.0	-6.2	-15.2	-18.8	-14.8	-3.0	-1.2	+3.5	+4.8	+7.0	+7.5
Equinox	+11.8	+3.0	+3.5	+2.5	-2.2	-2.8	-2.5	-1.5	+2.0	+2.5	+5.0	+5.8	+1.5	-9.5	-22.0	-26.5	-26.2	-16.2	-4.0	+8.8	+14.8	+19.2	+19.5	+16.8
Summer	+10.5	+5.8	+3.8	+1.8	-1.2	-3.5	-4.0	-0.2	-2.2	-5.2	-2.5	-1.5	-8.8	+9.2	-25.0	-29.2	-21.8	-10.0	+3.5	+16.5	+23.0	+25.5	+22.0	+16.0

Table 50 Agincourt DECLINATION (minutes) (All Days) 1940																								
January	+1.4	+1.9	+2.0	+1.6	+0.4	+0.4	+0.5	+0.5	+1.6	+1.6	+1.5	+1.6	+2.2	+2.3	+1.0	-0.9	-3.8	-4.6	-4.6	-3.4	-2.6	-1.3	-0.4	+0.8
February	+1.0	+0.9	+1.1	+1.8	+1.5	+1.7	+1.5	+1.0	+1.6	+1.7	+1.5	+2.0	+2.0	+2.0	+0.4	-1.0	-2.9	-3.8	-4.0	-3.4	-3.2	-2.3	-1.6	-0.3
March	+1.0	+2.1	+1.6	+1.0	-1.2	-0.2	+1.0	+0.6	+1.5	+1.1	+1.2	+1.1	+3.0	+3.8	+3.0	+1.4	-1.0	-3.2	-4.1	-4.8	-3.3	-1.1	-0.6	
April	+1.9	+0.6	+0.9	+1.8	+0.4	+0.6	+0.1	+1.2	+2.2	+0.2	+3.1	+5.4	+6.6	+5.0	+3.3	-0.6	-4.2	-3.5	-7.0	-6.2	-5.0	-3.3	-1.9	-0.3
May	-0.3	+0.5	+0.9	+1.3	+1.1	+1.0	+0.1	+0.7	+0.4	+2.0	+5.2	+7.0	+7.0	+5.8	+3.2	-0.9	-4.0	-6.2	-7.1	-6.8	-5.2	-3.0	-1.7	-0.5
June	+0.1	+1.1	+0.9	+2.0	+0.9	+0.2	-0.4	0.0	-0.5	+0.8	+3.8	+0.2	+6.9	+5.3	+4.0	0.0	-3.6	-5.8	-7.2	-6.2	-5.2	-3.0	-1.2	0.0
July	+0.4	+0.5	+1.0	+1.1	+1.1	+0.6	-0.9	-0.1	0.0	-0.6	+3.5	+6.1	+6.5	+6.2	+4.8	+0.9	-3.0	-5.0	-6.5	-6.0	-5.0	-3.3	-1.4	-0.4
August	0.0	+0.6	+1.4	+1.0	+1.1	+0.6	+1.1	+1.4	+1.0	+2.2	+2.1	+6.3	+7.1	+6.9	+1.1	0.0	-4.8	-7.1	-8.3	-7.4	-5.1	-2.8	-0.7	+0.3
September	+0.4	+1.0	+0.7	+0.5	+0.2	+1.3	+1.8	+1.9	+2.2	+2.5	+2.1	+3.4	+5.9	+4.8	+2.0	-1.6	-4.9	-6.6	-6.9	-5.8	-3.4	-1.7	-0.5	-0.4
October	+0.3	+1.0	+1.3	+1.8	+1.1	+1.0	+0.7	+0.9	+2.0	+2.1	+1.7	+1.9	+2.0	+3.0	+2.6	+0.1	-2.6	-3.9	-4.3	-3.8	-3.1	-2.1	-1.8	-1.0
November	+1.1	+1.1	+2.3	+1.9	+1.8	+1.1	+1.1	-0.1	+0.6	+1.3	+2.3	+2.5	+2.5	+2.5	+1.3	-0.6	-3.6	-4.7	-5.1	-4.1	-3.0	-1.8	-0.5	+0.2
December	+1.4	+3.0	+3.2	+2.4	+2.2	+1.6	+0.8	-0.3	+0.6	+0.8	+0.2	-0.5	-0.5	+0.4	+1.7	+0.2	-1.7	-3.5	-4.1	-3.4	-2.7	-1.6	-0.7	+0.6
Year	+0.7	+1.2	+1.4	+1.5	+0.9	+0.8	+0.6	+0.6	+1.1	+1.1	+2.4	+3.6	+4.3	+1.1	+2.6	-0.2	-3.3	-5.1	-5.8	-5.1	-4.0	-2.5	-1.1	-0.1
Winter	+1.2	+1.9	+2.2	+1.9	+1.5	+1.2	+1.0	+0.3	+1.1	+1.4	+1.4	+1.4	+1.6	+1.8	+1.1	-0.6	-3.0	-4.2	-4.4	-3.6	-2.9	-1.8	-0.8	+0.3
Equinox	+0.9	+1.2	+1.1	+1.3	+0.1	+0.7	+0.9	+0.9	+2.0	+1.5	+2.0	+3.0	+4.4	+4.4	+2.7	-0.2	-3.2	-5.0	-5.6	-5.2	-4.1	-2.6	-1.3	-0.6
Summer	0.0	+0.7	+1.0	+1.4	+1.0	+0.6	0.0	+0.5	+0.2	+0.6	+3.6	+6.4	+6.9	+6.0	+4.0	0.0	-3.8	-6.0	-7.3	-6.6	-5.1	-3.0	-1.2	-0.2

Table 51 Agincourt VERTICAL INTENSITY (gammas) (All Days) 1940																								
January	+8	+7	+3	+4	0	-3	-6	-7	-8	-9	-3	-7	-6	-9	-10	-7	-2	+4	+10	+11	+12	+10	+9	+9
February	+12	+13	+11	+8	+5	+1	-3	-5	-8	-10	-12	-10	-7	-6	-7	-9	-6	-4	+1	+4	+8	+8	+10	+11
March	+18	+1	+1	+1	-16	-20	-12	-15	-14	-17	-46	-27	-14	-7	-7	-4	+5	+24	+26	+19	+23	+28	+34	+31
April	+18	+10	-2	+7	-20	-20	-14	-12	-13	-8	-4	-1	-2	-3	-4	-2	0	+6	+15	+23	+24	+24	+24	+22
May	+19	+16	+11	-2	-19	-27	-19	-12	-13	-13	-9	-4	-6	-6	-5	-5	-3	0	+6	+12	+20	+23	+23	+21
June	+20	+16	+5	-4	-21	-25	-21	-15	-15	-8	-5	-7	-11	-5	-4	-4	-1	+5	+17	+20	+24	+24	+23	
July	+15	+13	+6	-1	-9	-13	-19	-12	-7	-7	-6	-3	-7	-7	-7	-3	-5	-3	+1	+7	+13	+17	+21	+21
August	+11	+9	+5	0	-6	-12	-12	-12	-10	-13	-13	-9	-10	-3	-8	-5	-3	+1	+8	+16	+16	+18	+18	+15
September	+11	+10	0	-8	-7	-11	-12	-8	-12	-13	-10	-9	-6	-5	-4	-4	0	+4	+11	+18	+16	+15	+14	+11
October	+14	+11	+7	+3	-5	-7	-13	-21	-19	-17	-13	-9	-8	-7	-6	-6	-3	+3	+10	+19	+19	+19	+15	+15
November	+19	+14	+7	+1	-1	-13	-15	-17	-21	-20	-19	-11	-8	-3	-3	0	+4	+9	+12	+12	+14	+14	+14	+17
December	+11	+9	+7	+4	-2	-3	-5	-8	-13	-11	-12	-12	-7	-4	-5	-7	-4	+1	+7	+9	+10	+12	+12	+11
Year	+14.7	+10.8	+5.3	0.0	-8.4	-12.8	-13.1	-12.2	-12.7	-13.2	-13.6	-9.2	-7.2	-6.3	-5.8	-5.3	-2.2	+2.8	+8.2	+13.2	+16.0	+17.7	+18.2	+17.3
Winter	+12.5	+10.8	+7.8	+4.2	+0.5	-4.5	-7.2	-9.2	-12.5	-12.5	-12.5	-10.0	-7.0	-5.5	-6.2	-6.5	-3.0	+1.2	+6.8	+9.0	+10.5	+11.0	+11.2	+12.0
Equinox	+15.2	+8.0	+1.5	-2.8	-12.0	-14.5	-14.2	-14.5	-14.2	-15.0	-19.2	-12.2	-7.2	-5.2	-5.0	-4.5	0.0	+7.8	+13.0	+17.8	+20.2	+21.5	+21.8	+19.8
Summer	+16.2	+13.5	+6.8	-1.8	-13.8	-19.2	-17.8	-12.8	-11.2	-12.0	-9.0	-5.2	-7.3	-8.2	-6.2	-5.0	-3.8	-0.8	+5.0	+13.0	+17.2	+20.5	+21.5	+20.0

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

HORIZONTAL INTENSITY (gammas) (Quiet Days) 1940

Hour U. T. Month Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 52 Agincourt																								1940
January	+6	+8	+6	+4	+2	+1	+2	+3	+4	+4	+4	+3	-5	-15	-25	-25	-17	-7	+5	+9	+10	+10	+6	+9
February	+6	+5	+3	0	0	+3	+4	+4	+4	+4	+5	+3	-3	-7	-10	-13	-14	-11	-6	-1	+4	+8	+6	+6
March	+11	+11	+10	+7	+6	+7	+7	+6	+8	+8	+7	+6	0	-9	-19	-26	-27	-22	-14	-6	+4	+8	+10	+9
April	+9	+8	+7	+6	+8	+7	+9	+9	+8	+9	+7	+1	-12	-29	-38	-34	-20	-7	+2	+7	+11	+11	+10	+10
May	+8	+4	+4	+4	+2	+1	+4	+2	+3	+2	+1	0	-4	-9	-17	-20	-18	-11	-3	+7	+10	+12	+13	+8
June	+4	+5	+4	+2	+2	-1	+1	+2	+2	+4	+5	+3	-3	-12	-21	-25	-23	-14	-2	+12	+17	+20	+12	+7
July	+6	+5	+3	+1	+4	+3	+1	+1	0	-1	+2	+2	-3	-11	-22	-25	-16	-4	+4	+8	+11	+12	+11	+7
August	+10	+10	+10	+9	+9	+8	+8	+8	+6	+5	+6	+6	-2	-16	-32	-38	-35	-21	-6	+6	+10	+11	+15	+12
September	+10	+9	+8	+8	+9	+9	+9	+9	+9	+8	+6	+4	-6	-18	-26	-32	-30	-20	-7	+3	+9	+11	+9	+10
October	+11	+10	+8	+8	+9	+9	+9	+9	+10	+12	+11	+8	+1	-11	-23	-30	-30	-25	-16	-6	0	+4	+8	+10
November	+7	+4	+3	+3	+1	+2	+2	+3	+3	+4	+7	+6	+2	-5	-13	-17	-18	-14	-7	-1	+5	+8	+7	+6
December	+5	0	+1	+1	+2	+2	+3	+3	+4	+4	+4	+6	+3	-1	-6	-13	-17	-16	-8	0	+4	+6	+6	+7
Year	+7.9	+6.6	+5.6	+4.6	+4.5	+4.2	+4.9	+4.9	+5.2	+5.2	+5.7	+4.8	-0.4	-9.3	-19.2	-24.8	-23.8	-16.5	-7.0	+2.0	+7.1	+9.7	+10.0	+6.4
Winter	+6.5	+4.2	+3.2	+2.0	+1.2	+2.0	+2.8	+3.2	+3.8	+4.0	+5.2	+5.2	+2.8	-3.5	-10.2	-16.2	-18.2	-15.2	-8.2	-0.5	+4.2	+7.0	+7.8	+7.0
Equinox	+10.2	+9.5	+8.2	+7.8	+8.0	+8.0	+8.5	+8.2	+9.0	+9.0	+8.2	+6.2	-1.0	-12.5	-24.2	-31.0	-30.2	-21.8	-11.0	-1.8	+5.0	+6.5	+9.5	+9.8
Summer	+7.0	+6.0	+5.2	+4.0	+4.2	+2.8	+3.5	+3.2	+2.8	+2.5	+3.5	+2.8	-3.0	-12.0	-23.0	-27.2	-23.0	-12.5	-1.8	+6.2	+12.0	+13.8	+12.8	+6.5

DECLINATION (minutes) (Quiet Days) 1940

Hour U. T. Month Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 53 Agincourt																								1940
January	+0.5	+0.7	+0.5	+0.2	+0.1	-0.1	-0.7	+0.1	+0.8	+1.1	+0.6	+1.2	+2.5	+3.5	+2.9	+0.5	-2.0	-3.3	-3.8	-2.5	-1.4	-0.5	-0.7	-0.3
February	-0.5	-0.4	0.0	+0.9	+0.6	+0.2	+0.2	+0.2	+0.4	+1.0	+0.9	+1.4	+1.4	+2.3	+2.1	+1.1	-0.9	-2.0	-2.6	-2.1	-1.7	-1.2	-0.8	-0.5
March	-0.9	-0.4	-0.2	0.0	0.0	-0.2	+0.4	+0.7	+0.9	+1.4	+1.9	+2.9	+4.8	+6.0	+5.5	+2.3	-1.5	-3.8	-4.8	-4.8	-4.0	-2.8	-2.0	-1.6
April	-0.4	-0.2	-0.2	-0.3	0.0	+0.3	+0.6	+1.1	+1.7	+1.9	+3.1	+5.4	+7.5	+8.0	+5.7	+1.5	-3.3	-6.1	-7.4	-7.5	-5.8	-3.2	-1.7	-0.7
May	0.0	0.0	+0.4	+0.4	0.0	0.0	-0.5	-0.7	+0.6	+2.4	+4.1	+6.3	+7.5	+7.3	+4.8	+1.0	-2.9	-5.6	-6.9	-6.5	-5.4	-3.8	-1.9	-0.6
June	+0.6	+0.6	+0.2	+0.9	+0.2	+0.1	0.0	+0.1	-0.3	+2.2	+4.7	+6.8	+7.5	+6.9	+4.3	+0.1	-4.3	-7.4	-8.0	-7.1	-5.3	-2.8	-0.6	+0.7
July	-0.2	-0.5	-0.2	-0.5	+0.2	+0.4	-0.4	+0.3	+0.5	+1.6	+4.0	+5.4	+6.7	+7.1	+4.2	+1.1	-2.8	-4.7	-5.5	-5.9	-5.3	-3.5	-1.5	-0.4
August	-0.1	-0.5	-1.2	-0.7	-0.5	-0.2	0.0	+1.4	+1.8	+2.4	+3.8	+7.1	+9.4	+9.3	+6.1	+0.5	-5.6	-8.4	-9.4	-7.8	-5.2	-2.3	-0.6	+0.3
September	-0.6	-0.8	-0.9	-0.9	-0.6	+0.2	+0.6	+1.2	+1.7	+2.5	+2.9	+4.7	+6.1	+5.9	+3.5	-0.3	-3.7	-5.6	-5.3	-4.7	-2.6	-1.0	-0.6	-0.6
October	-0.2	+0.4	+1.3	+0.2	+0.1	+0.3	+0.5	+0.5	+0.5	+1.1	+1.3	+1.8	+3.0	+3.5	+3.4	+1.0	-1.4	-3.3	-3.8	-3.3	-2.3	-1.8	-1.6	-1.2
November	+0.4	-0.1	+0.6	+0.7	+0.2	+0.7	+0.4	+0.7	+0.9	+0.8	+2.1	+2.5	+2.4	+3.4	+3.2	+0.3	-2.4	-4.1	-4.4	-3.2	-1.9	-1.3	-1.2	-0.5
December	+0.6	+1.8	+1.8	+0.5	+1.1	+0.1	-0.2	-0.4	-0.1	0.0	+0.3	+1.3	+0.9	+2.8	+3.6	+1.8	-0.6	-2.8	-3.8	-3.2	-2.8	-1.8	-0.8	0.0
Year	-0.1	0.0	+0.2	+0.1	+0.1	+0.2	+0.1	+0.4	+0.8	+1.5	+2.5	+3.9	+5.0	+5.5	+4.1	+0.9	-2.6	-4.8	-5.6	-4.9	-3.6	-2.2	-1.2	-0.4
Winter	+0.2	+0.5	+0.7	+0.6	+0.5	+0.2	-0.1	+0.2	+0.5	+0.7	+1.0	+1.6	+1.8	+3.0	+3.0	+0.9	-1.5	-3.0	-3.6	-2.8	-2.0	-1.2	-0.9	-0.3
Equinox	-0.5	-0.2	0.0	-0.2	-0.1	+0.2	+0.5	+0.9	+1.2	+1.7	+2.3	+3.7	+5.4	+5.8	+4.5	+1.1	-2.5	-4.7	-5.6	-5.1	-3.7	-2.2	-1.5	-1.0
Summer	+0.1	-0.1	-0.2	0.0	0.0	+0.1	-0.2	+0.3	+0.6	+2.2	+4.2	+6.4	+7.8	+7.6	+4.8	+0.7	-3.9	-6.5	-7.4	-6.8	-5.3	-3.1	-1.5	0.0

VERTICAL INTENSITY (gammas) (Quiet Days) 1940

Hour U. T. Month Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 54 Agincourt																								1940
January	+2	0	-1	-1	0	-1	-4	-1	0	-2	-3	-2	0	-2	-4	-2	+1	+2	+4	+5	+4	+1	0	+1
February	+4	+3	+3	+3	-1	+2	+2	+1	+1	0	-3	-3	-1	-1	-4	-7	-7	-5	-1	+1	+3	+3	+4	+4
March	+1	0	-1	0	0	0	-1	0	0	-1	-1	0	0	0	0	-3	-2	-1	0	+1	+2	+2	+2	+2
April	+3	+2	+1	+1	0	+1	0	0	+1	0	+1	+2	+2	+1	-3	-8	-8	-6	-3	0	+2	+3	+3	+4
May	+5	+3	+1	-1	0	+1	-2	-7	-6	-1	+1	0	-2	-4	-5	-6	-5	-4	-1	+3	+5	+8	+10	+7
June	+5	+4	0	-1	-4	-6	-6	-5	-3	+2	+3	+2	0	-1	-4	-5	-7	-4	-2	+3	+6	+9	+9	+7
July	+4	+3	+2	+2	-1	-4	-5	-3	-2	0	+1	+1	0	-2	-4	-6	-6	-5	-2	-2	+4	+8	+10	+7
August	+1	0	-1	-2	-3	-4	-4	-6	-4	-1	+2	+2	-1	-2	-4	-7	-5	-2	+4	+8	+9	+10	+7	+3
September	+2	-1	-1	-3	-3	-3	-2	-2	-3	-3	0	+2	+1	0	-2	-4	-4	-3	-1	+4	+6	+5	+5	+4
October	+2	+2	+1	0	0	-1	-1	0	-1	0	0	+2	+2	0	-3	-6	-4	-2	-2	+1	+4	+3	+2	+2
November	+3	+2	+1	-1	0	-3	-2	-3	-2	-2	-3	-2	0	-1	-2	-3	-2	0	+3	+4	+5	+4	+3	+2
December	+2	+1	+1	+2	0	0	-1	-1	-1	-2	-3	-4	-2	-1	-2	-6	-4	-1	+4	+6	+4	+3	+3	+2
Year	+2.8	+1.6	+0.5	-0.1	-1.0	-1.5	-2.2	-2.2	-1.7	-0.8	-0.4	0.0	0.0	-1.1	-3.1	-5.2	-4.3	-2.4	+0.7	+3.0	+4.4	+4.9	+4.8	+3.8
Winter	+2.8	+1.5	+1.0	+0.8	-0.2	-0.5	-1.2	-1.0	-0.5	-1.5	-3.0	-2.8	-0.8	-1.2	-3.0	-4.5	-3.0	-1.0	+2.5	+4.0	+4.0	+2.8	+2.5	+2.2
Equinox	+2.0	+0.8	0.0	-0.5	-0.8	-0.8	-1.0	-0.5	-0.8	-1.0	0.0	+1.5	+1.2	+0.2	-2.0	-5.2	-4.2	-2.5	-0.2	+2.0	+3.2	+3.2	+2.8	+3.0
Summer	+3.8	+2.5	+0.5	-0.5	-2.0	-3.2	-4.2	-5.2	-3.8	0.0	+1.8	+1.2	-0.8	-2.2	-4.2	-6.0	-5.8	-3.8	-0.2	+3.0	+6.0	+8.8	+9.0	+6.0

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

Hour Month Season	U. T.																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
HORIZONTAL INTENSITY (gammas) (Disturbed Days)																								
1940																								
Table 55 Agincourt	+6	+8	+9	+7	+9	+2	+3	+3	+3	+12	+20	+25	+25	+10	-10	-63	-57	-19	-6	-2	-4	+2	+10	+10
January	+7	+13	+17	+17	+12	+10	+4	+3	-6	-2	+10	+14	+4	-9	-18	-28	-22	-29	-19	-4	+3	+8	+6	+11
February																								
March																								
April	+23	+20	-28	-52	-102	-84	-89	-60	-48	-56	-6	-5	-2	-15	-15	-11	+3	+19	+37	+83	+98	+112	+104	+74
May	+28	+21	+16	+12	-13	-27	-22	-10	-24	-48	-22	-13	-20	-22	-27	-32	-21	-2	+17	+36	+44	+55	+44	+32
June	+32	+14	+2	-9	-28	-46	-22	-6	-4	-23	-13	-4	-19	-70	-28	-43	-24	-7	+6	+46	+56	+70	+66	+55
July	+19	+3	+5	+2	-6	-8	-18	+4	-2	-9	-18	-3	-32	-38	-20	-19	-20	-9	+9	+29	+33	+34	+35	+31
August	+8	+2	0	+6	+8	+4	-3	+1	-5	-12	-27	-24	-32	-45	-26	-35	-22	-14	+17	+38	+53	+55	+42	+10
September	+19	+10	-12	-13	+3	-22	-29	-9	+2	+9	+6	+6	+3	-15	-24	-26	-13	-17	-1	+38	+28	+26	+23	+25
October	+5	+11	+2	-2	-22	-33	-30	-43	-19	0	+15	+23	+11	+3	-10	-12	-26	-8	+8	+35	+36	+36	+13	+8
November	+24	+19	+3	-4	-12	-13	-21	-14	-7	-12	+6	+21	+13	-3	-20	-12	-16	-9	+1	+10	+12	+5	+6	+13
December	+15	+14	+11	-5	-10	-6	-6	-12	-22	+8	+10	+14	+15	+15	+8	-22	-31	-26	-18	-6	+7	+11	+18	+18
Year																								
Winter	+13.0	+13.5	+12.5	+3.8	-0.1	-1.8	-5.0	-5.0	-8.0	+1.5	+11.5	+18.5	+14.2	+3.2	-10.0	-31.2	-31.5	-20.8	-10.5	-0.5	+4.5	+6.5	+10.0	+13.0
Equinox																								
Summer	+21.8	+10.0	+5.8	+2.8	-9.8	-19.2	-16.2	-2.8	-8.8	-23.0	-20.0	-11.0	-25.8	-43.8	-25.2	-32.2	-21.8	-8.0	+12.2	+37.2	+46.5	+53.5	+46.8	+32.0
DECLINATION (minutes) (Disturbed Days)																								
1940																								
Table 56 Agincourt	+4.2	+3.7	+2.9	+3.5	-0.5	+2.6	+2.5	+3.1	+3.6	+3.6	+2.2	+2.7	+3.5	+0.6	-0.3	-2.8	-10.2	-8.1	-7.1	-6.1	-2.9	-1.6	-1.0	+2.1
January	+5.5	+1.8	+3.2	+4.7	+3.0	+5.0	+1.8	+0.5	-0.3	+0.2	+0.8	+1.5	0.0	+0.6	-4.4	-4.9	-5.6	-4.8	-4.6	-3.5	-2.4	-1.6	+0.5	+2.8
February																								
March	-3.9	-8.2	-3.4	-1.0	+7.2	+6.2	-2.0	+2.9	+1.5	+3.0	+2.2	+7.1	+5.9	+8.4	+7.3	+1.0	-5.9	-6.7	-6.6	-0.1	+5.3	+0.3	-8.1	-6.5
April	+7.8	+1.2	+1.9	+5.8	-4.2	-3.1	-6.9	-0.9	+2.8	-9.4	-0.4	+3.6	+4.9	+3.0	+1.7	-0.5	-2.1	-3.7	-2.6	-0.4	-0.6	+0.2	-0.2	+2.2
May	+0.4	+2.8	+3.0	+6.4	+0.2	+2.1	+0.4	+0.9	-5.2	-0.6	+6.2	+8.6	+6.6	+5.5	+3.7	-1.9	-5.4	-7.4	-7.6	-8.4	-6.3	-2.6	-1.3	-0.3
June	-0.9	+2.1	+2.5	+5.9	+4.5	-2.1	+0.7	+3.0	+0.8	-0.3	+3.2	+6.8	+4.7	-2.7	+4.1	-0.9	-4.9	-4.4	-6.8	-4.1	-4.8	-3.3	-1.9	-1.4
July	+1.7	+1.2	+0.8	+3.0	+2.2	+0.2	-1.7	+3.0	+0.8	-3.3	+0.6	+4.6	+1.5	+1.3	+1.9	+1.7	-2.6	-4.1	-5.8	-4.3	-3.4	-1.8	+0.9	+1.7
August	+1.8	+2.1	+3.2	+1.0	+2.5	+4.9	+2.9	+3.5	-0.6	-3.4	+5.8	+1.4	+0.9	+2.0	+1.4	+0.8	-3.2	-4.8	-5.1	-3.2	-2.5	-2.0	+0.7	+1.4
September	+1.8	+3.1	+4.3	+2.1	+0.4	+2.3	+3.6	+3.0	+4.4	+3.1	+0.3	+0.1	+3.5	+0.7	-2.0	-5.5	-6.3	-4.8	-5.2	-3.9	-2.9	-2.9	-0.3	+0.9
October	+1.5	+1.9	+2.3	+2.4	-0.5	+0.8	+2.6	+2.4	+5.7	+4.7	+1.3	+2.7	+0.1	+1.2	+1.2	-3.0	-6.1	-4.8	-5.3	-3.7	-2.8	-2.4	-2.0	-0.2
November	+0.7	+2.4	+1.7	+2.8	+2.9	+0.9	+3.0	+0.6	+3.7	+2.0	+3.4	+3.1	+2.4	+1.0	-3.9	-2.6	-6.2	-5.6	-5.6	-4.2	-2.7	-0.2	+2.6	-0.2
December	+3.2	+8.0	+7.7	+3.8	+6.3	+3.7	+1.2	-4.0	-0.5	+1.6	-3.0	-6.4	-3.8	-3.9	+1.7	-1.0	-2.7	-4.5	-5.5	-3.8	-2.1	+1.4	+1.6	+1.0
Year	+1.5	+1.8	+2.5	+3.4	+2.0	+2.0	+0.7	+1.5	+1.4	0.0	+0.9	+3.0	+2.5	+1.5	+1.0	-1.6	-5.1	-5.3	-5.6	-3.8	-2.3	-1.4	-0.7	+0.3
Winter	+3.4	+4.0	+3.9	+3.7	+2.9	+3.0	+2.1	0.0	+1.6	+1.4	+0.8	+0.2	+0.5	-0.4	-1.7	-2.8	-6.2	-5.8	-5.7	-4.4	-2.5	-0.5	+0.9	+1.4
Equinox	+0.3	-0.5	+1.3	+2.3	+0.7	+1.6	-0.7	+1.8	+3.6	+0.3	+0.8	+3.4	+3.6	+3.3	+2.0	-2.0	-5.1	-5.0	-4.9	-2.0	-0.2	-1.2	-2.6	-0.9
Summer	+0.8	+2.0	+2.4	+4.1	+2.4	+1.3	+0.6	+2.6	-1.0	-1.9	+1.0	+5.4	+3.4	+1.5	+2.8	-0.1	-4.0	-5.2	-6.3	-5.0	-4.2	-2.4	-0.4	+0.4
VERTICAL INTENSITY (gammas) (Disturbed Days)																								
1940																								
Table 57 Agincourt	+18	+12	+8	+5	-4	-5	-8	-18	-24	-25	-21	-19	-18	-24	-23	-14	-5	+12	+36	+27	+30	+22	+18	+18
January	+22	+26	+16	+10	+6	-6	-18	-19	-35	-40	-38	-26	-17	-10	-11	-6	+2	+8	+19	+23	+26	+24	+23	+22
February																								
March	+29	-35	-29	+17	-70	-77	-29	-43	-37	-55	-246	-138	-70	-27	-24	+15	+61	+166	+156	+89	+93	+95	+102	+58
April	+34	+3	-64	-65	-95	-83	-78	-34	-43	-53	-32	-17	-4	-2	+3	+7	+14	+21	+39	+78	+102	+100	+93	+78
May	+39	+30	+26	+1	-77	-109	-43	-22	-37	-65	-50	-20	-19	-10	+4	+12	+16	+25	+35	+46	+55	+60	+57	+47
June	+62	+51	+18	-27	-79	-93	-60	-34	-32	-56	-33	-23	-24	-50	-10	-4	+3	+10	+28	+72	+71	+75	+66	+66
July	+27	+27	+19	-2	-25	-33	-37	-12	-15	-24	-43	-28	-37	-30	-17	-4	+4	+13	+25	+32	+32	+37	+48	+43
August	+26	+24	+22	+10	-6	-9	-23	-24	-29	-38	-57	-50	-42	-33	-15	-6	+1	+13	+24	+47	+36	+46	+47	+35
September	+32	+31	-8	-37	-32	-41	-52	-39	-43	-24	-18	-17	-10	-6	0	+3	+12	+16	+36	+63	+36	+31	+36	+31
October	+32	+31	+17	+12	-20	-24	-35	-69	-66	-60	-38	-24	-27	-27	-18	-10	0	+17	+39	+78	+66	+56	+36	+35
November	+56	+40	+20	-7	-2	-22	-2	-9	-6	-33	-44	-34	-24	-12	-10	-10	-5	-2	+8	+13	+14	+23	+22	+36
December	+22	+24	+12	+8	-4	-16	-17	-24	-51	-23	-32	-28	-15	-7	-8	-6	+2	+16	+23	+23	+23	+29	+27	+22
Year	+33.2	+22.0	+4.8	-6.2	-33.7	-43.2	-35.2	-28.9	-34.8	-41.3	-54.3	-35.3	-25.6	-19.8	-10.8	-1.9	+8.8	+26.2	+39.0	+49.2	+48.7	+49.8	+47.9	+40.9
Winter	+23.5	+25.5	+14.0	+4.0	0.0	-12.2	-16.2	-17.5	-29.0	-30.2	-33.8	-26.8	-18.5	-13.2	-13.0	-9.0	-1.5	+8.5	+21.5	+21.5	+23.2	+24.2	+22.5	+24.5
Equinox	+31.8	+7.5	-21.0	-18.2	-54.2	-56.2	-48.5	-46.2	-47.2	-48.0	-83.5	-49.0	-27.8	-15.5	-9.8	+3.8	+21.8	+55.0	+67.5	+77.0	+74.2	+70.5	+66.8	+50.5
Summer	+38.5	+33.0	+21.2	-4.5	-46.8	-61.0	-40.8	-23.0	-28.2	-45.8	-45.8	-30.2	-30.5	-30.8	-9.5	-0.5	+6.0	+15.2	+28.0	+49.2	+48.5	+54.5	+54.5	+47.8

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

Table 1 Agincourt

H = 15,000 γ +

January 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	290	288	286	280	276	306	291	291	290	295	294	294	293	286	278	250	268	279	285	271	254	275	291	287	283
2	290	288	285	285	294	290	289	287	291	291	288	287	288	285	281	268	260	263	270	279	297	304	303	299	286
3	296	293	291	290	291	293	293	297	299	299	303	303	304	302	299	293	284	286	293	293	295	304	309	301	296
4	291	298	296	301	293	293	284	286	288	285	296	300	294	287	275	263	261	266	272	281	293	303	304	303	288
5 Q	300	297	298	295	295	295	298	303	302	306	309	309	306	299	285	275	282	285	296	308	318	328	328	324	302
6	318	347	283	285	248	255	268	270	280	288	292	294	285	276	270	264	263	266	271	278	285	293	294	296	282
7	288	291	288	288	295	289	284	280	291	292	290	288	285	281	277	257	248	248	258	280	285	288	293	284	281
8	285	294	294	291	289	286	282	276	282	284	286	286	285	289	282	281	286	289	292	300	307	302	295	301	289
9	302	302	297	302	294	297	294	292	292	289	288	291	292	284	281	274	268	270	269	279	300	307	308	307	291
10	297	297	295	297	298	294	291	294	298	300	301	297	299	289	286	281	279	277	283	289	298	302	305	302	293
11	300	297	292	294	296	286	291	294	294	297	292	292	297	284	289	282	276	284	283	281	289	294	294	300	291
12	306	298	298	294	293	292	290	287	290	294	296	297	297	289	284	289	289	291	299	302	303	304	303	307	296
13	305	299	297	292	292	291	292	299	302	300	302	302	302	299	293	283	284	291	301	307	310	302	308	303	298
14 Q	302	302	300	298	300	301	299	299	299	302	305	302	300	296	288	279	284	294	306	307	312	312	305	298	300
15 Q	302	300	292	299	292	290	294	300	302	305	303	307	305	305	301	292	287	289	297	310	314	315	312	310	301
16	308	305	305	304	302	304	304	309	303	307	308	305	313	312	295	309	297	291	296	299	305	310	314	312	305
17 D	307	251	266	282	279	282	289	279	283	286	299	303	315	277	287	285	238	245	273	289	288	278	266	282	281
18 D	291	283	271	303	287	277	277	271	292	289	282	297	299	294	280	267	249	238	254	245	282	297	291	255	278
19	277	287	286	287	297	301	277	272	267	297	297	292	293	277	246	248	252	245	276	293	303	297	287	277	280
20	286	287	302	294	289	285	290	292	294	297	298	292	284	286	275	266	269	276	284	297	300	296	297	303	289
21 Q	305	307	294	289	298	301	297	299	300	301	300	298	296	291	281	270	267	278	291	298	301	302	302	301	294
22	299	297	299	297	297	298	298	308	305	302	310	307	303	302	294	284	282	284	291	283	291	294	302	302	297
23 D	297	291	297	294	297	300	297	294	296	302	310	298	302	292	268	233	220	225	249	274	281	280	279	273	281
24 D	285	291	285	285	277	273	273	243	284	283	300	286	229	292	301	263	227	245	263	268	274	261	280	280	273
25 D	276	273	282	270	277	255	291	270	283	286	268	296	296	288	281	263	265	270	272	273	279	288	288	266	277
26	245	268	281	283	275	275	285	278	270	281	283	288	294	283	270	273	270	275	282	285	283	277	288	291	279
27	288	285	278	290	290	287	288	298	291	294	283	295	301	290	276	265	268	267	277	274	278	288	283	270	284
28	282	291	300	297	291	291	289	291	293	286	296	296	296	288	286	275	270	273	281	273	287	292	295	292	288
29	286	293	292	293	291	293	295	293	291	293	296	293	293	293	285	270	270	273	283	295	299	307	303	296	291
30	288	293	299	286	294	293	293	288	296	300	303	307	301	285	278	263	260	267	270	280	297	301	299	296	289
31 Q	294	296	294	293	296	296	296	294	298	296	297	297	297	290	286	280	278	283	290	298	300	301	301	301	294
Mean	293	293	291	292	290	290	290	289	292	295	297	297	296	290	283	273	268	272	281	287	294	297	298	294	289

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7° W + ...'

January 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	30.0	29.5	29.4	30.8	30.8	36.7	31.8	30.8	30.4	30.4	30.8	30.3	29.4	28.5	30.8	38.9	44.7	40.9	35.9	37.0	36.7	35.6	33.9	32.6	33.2
2	31.3	30.8	29.5	30.1	31.8	31.2	30.8	30.8	30.7	30.0	30.8	30.8	30.7	30.7	27.8	29.6	31.4	32.7	34.0	34.0	34.4	33.6	32.1	31.0	31.3
3	30.7	29.8	29.4	29.6	30.0	30.6	31.2	31.6	31.2	30.8	30.5	29.6	29.0	27.7	26.3	27.4	30.0	31.8	32.5	32.8	32.7	32.2	32.2	32.2	30.1
4	32.2	31.9	29.8	28.0	27.2	31.3	29.4	30.4	32.6	33.9	35.3	31.2	28.6	26.1	26.2	29.8	31.8	33.0	34.9	35.9	35.4	33.5	31.8	30.8	31.3
5 Q	30.8	30.8	30.4	30.4	30.9	31.2	31.8	32.1	30.8	31.0	30.9	29.6	29.2	27.4	26.5	29.8	30.0	33.0	34.9	34.9	32.3	31.8	30.4	29.9	30.8
6	30.2	29.5	25.7	25.8	22.7	26.7	28.5	25.4	31.4	30.3	31.2	31.2	30.5	28.3	28.2	28.3	29.8	34.0	35.8	34.4	33.1	32.7	31.3	31.3	29.8
7	30.5	30.4	30.7	31.3	30.8	30.8	29.5	29.5	29.4	30.6	30.8	31.3	29.8	28.1	28.7	30.4	34.9	40.0	39.4	38.1	35.3	34.3	33.1	32.5	32.1
8	31.7	30.5	29.8	29.5	28.5	29.9	29.8	26.8	29.8	28.0	29.4	30.1	28.6	28.6	29.6	31.8	32.8	34.5	35.5	34.4	34.1	34.3	33.1	34.1	31.0
9	32.2	30.4	31.6	32.3	32.0	31.8	31.3	34.5	27.1	26.2	28.9	30.8	28.6	29.5	39.0	33.8	33.9	37.1	37.6	37.2	34.5	34.7	33.1	31.8	32.5
10	31.3	30.8	31.7	29.9	30.5	30.8	29.9	30.0	29.0	29.6	29.9	29.8	28.7	30.6	29.5	30.8	31.2	33.1	34.4	35.4	35.0	32.6	31.2	32.5	31.2
11	31.5	33.0	31.3	30.8	30.7	29.9	30.8	30.8	29.8	29.4	32.8	32.0	26.8	27.8	29.5	31.3	31.7	34.0	35.2	36.9	34.9	33.0	33.1	31.4	31.6
12	31.8	31.9	30.7	30.4	29.8	28.4	28.9	27.2	28.8	29.1	28.1	29.4	28.5	27.2	27.2	28.8	31.8	33.9	34.9	33.5	31.4	31.7	31.1	31.8	30.3
13	28.0	31.2	29.8	29.6	29.7	29.8	28.9	28.3	28.6	28.7	31.1	29.5	27.6	26.8	26.7	29.2	31.8	33.2	34.4	34.9	34.0	33.2	31.7	30.8	30.3
14 Q	29.6	29.0	29.0	29.0	29.9	29.8	29.9	29.4	27.8	28.6	29.8	29.4	29.0	28.5	28.2	29.6	30.7	31.9	33.0	32.2	31.8	31.7	32.5	32.2	30.1
15 Q	31.2	30.2	29.9	29.9	29.9	29.8	27.7	29.0	28.8	27.7	27.2	28.1	28.0	26.3	25.8	29.4	32.2	35.3	37.0	35.1	31.8	30.4	29.8	29.6	30.0
16	29.3	29.8	29.9	30.8	31.1	31.1	30.8	28.6	35.8	28.6	30.4	32.2	32.1	34.0	35.3	39.5	35.3	33.9	34.1	33.5	31.6	29.8	28.9	28.6	31.8
17 D	28.5	11.9	28.9	29.9	29.5	31.2	30.4	28.2	23.6	19.6	25.3	26.3	24.9	31.3	35.0	40.5	36.2	46.5	41.8	39.4	38.9	40.8	34.5	22.7	31.0
18 D	23.8	28.8	30.0	25.0	31.4	33.7	29.0	35.5	30.5	29.9	35.9	31.8	31.3	28.4	28.6	32.3	35.3	38.9	35.5	37.3	35.0	30.9	29.6	23.8	31.3
19	21.3	29.1	29.9	30.0	30.5	32.9	31.0	32.2	35.9	32.6	29.6	32.3	28.6	27.7	31.1	34.1	36.9	39.5	38.2	35.9	32.4	30.9	30.2	23.7	31.5
20	27.4	29.5	26.3	29.9	29.1	32.9	32.3	35.5	32.2	32.2	28.9	29.5	29.1	27.7	28.4	31.7	33.7	35.0	34.4	33.5	32.8	31.9	30.0	30.4	31.0
21 Q	29.9	29.9	30.9	29.0	30.4	30.9	31.5	30.4	29.8	29.6	29.9	29.1	28.6	27.4	27.7	30.6	31.7	34.1	35.5	34.6	32.7	30.8	30.1	30.0	30.6
22	29.9	29.5	29.5	28.8	30.0	30.0	30.6	31.9	29.1	27.5	27.9	28.4	28.4	26.4	26.0	29.5	31.8	33.6	34.5	35.5	35.0	32.6	31.3	31.3	30.4
23 D	30.9	26.8	28.6	30.0	31.6	31.6	30.9	31.1	39.6	35.0	29.0	32.3	37.2	32.8	32.8	32.9	37.4	38.6	38.2	36.0	35.5	34.5	33.1	30.2	33.2
24 D	27.0	31.2	31.4	30.6	29.4	39.6	24.7	24.4	31.4	34.5	32.0	34.7	45.1	40.6	39.1	33.8	40.5	41.1	38.1	35.2	34.3	30.9	32.4	31.4	33.9
25 D	29.2	24.2	29.7	24.2	23.9	28.1	33.3	34.5	35.1	30.7	42.8	32.4	30.6	33.3	34.3	37.2	34.1	32.0	33.3	32.8	32.6	32.0	33.0	32.3	32.0
26	15.8	30.9	30.6	31.1	30.5	31.4	32.0	28.9	26.0	28.3	31.0	32.8	32.9	30.0	28.7	30.5	32.3	32.0	33.0	32.9	33.4	33.2	31.9	31.1	30.4
27	30.6	29.2	27.6	30.1	31.4	30.6	31.0	32.3	31.4	26.7	35.4	33.2	31.9	31.0	29.1	31.6	33.7	33.2	33.0	33.2	31.0	30.6	31.9	28.7	31.2
28	30.5	27.1	30.0	29.6	29.7	30.7	30.1	29.7	29.2	32.8	29.1	28.8	30.0	30.3	29.7	29.3	31.0	32.8	33.9	32.8	31.8	30.7	30.0	30.0	30.4
29	26.5	27.8	29.2	30.7	31.2	31.2	31.2	31.0	31.4	30.6	30.0	30.1	30.1	29.2	28.3	30.5	32.8	35.6	36.0	35.6	34.1	32.4	32.0	32.0	31.2
30	32.1	30.8	30.2	27.4	25.7	31.5	31.5	29.9	30.2	28.9	30.2	30.2	32.6	31.0	32.8	35.6	37.5	39.7	37.0	35.3	34.3	33.0	32.1	31.5	32.1
31 Q	28.4	30.1	30.7	31.1	31.1	30.6	30.1	35.7	30.4	27.5	28.1	28.9	29.3	27.5	27.4	30.7	31.6	32.5	34.1	33.1	32.1	32.0	31.9	31.9	30.7
Mean	29.2	29.2	29.8	29.6	29.7	31.2	30.3	30.5	30.6	29.7	30.8	30.5	30.2	29.4	29.8	31.9	33.6	35.1	35.5	34.9	33.7	32.6	31.7	30.5	31.2

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

Table 3 Agincourt

Z = 56,000 γ +

January 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	488	486	486	488	488	457	471	483	482	481	482	481	482	481	476	474	481	488	491	490	497	500	496	494	484	
2	498	500	497	491	487	486	485	482	482	482	480	479	477	476	477	477	480	482	488	489	488	486	485	482	485	
3	482	482	482	481	481	479	479	480	479	478	479	480	480	480	478	469	474	480	482	480	482	485	482	482	480	
4	488	493	494	491	491	486	482	481	478	467	462	470	476	477	471	470	473	473	471	477	479	480	477	475	478	
5 Q	475	475	475	474	474	474	473	471	471	473	470	469	473	473	467	470	465	464	468	470	473	471	469	469	471	
6	469	479	509	514	497	507	491	497	475	478	482	481	481	482	480	478	473	474	477	485	484	485	482	482	486	
7	481	483	484	485	486	482	482	479	471	464	477	480	482	480	476	467	462	473	489	491	484	486	490	489	480	
8	488	488	490	488	491	484	483	474	478	473	480	482	479	473	468	468	471	474	478	481	480	479	485	487	480	
9	488	485	482	482	482	479	474	447	449	454	468	470	462	470	471	470	470	473	482	488	488	487	482	482	474	
10	487	488	490	486	482	481	479	477	477	478	479	479	479	475	469	472	475	477	479	481	480	479	481	480	480	
11	482	491	489	488	484	485	484	485	474	474	471	464	474	467	469	470	471	474	478	482	485	483	484	485	479	
12	484	483	485	486	482	480	481	480	473	468	473	475	475	473	470	469	469	471	473	474	471	473	480	480	476	
13	482	480	479	479	479	480	481	479	477	473	478	481	482	486	486	475	477	478	481	479	479	479	480	478	480	
14 Q	478	477	477	477	475	476	475	474	473	474	474	474	473	473	470	469	471	471	473	470	470	473	474	477	474	
15 Q	479	479	480	481	482	480	480	479	476	474	470	471	474	470	467	463	464	467	469	468	468	467	467	467	473	
16	467	467	465	467	468	468	468	461	461	462	463	462	461	455	448	447	451	458	467	471	474	470	471	469	463	
17 D	475	560	514	489	485	482	457	426	422	434	460	467	465	455	462	465	462	487	494	489	500	524	536	536	481	
18 D	497	488	486	442	454	458	450	450	461	455	462	468	468	470	467	473	479	488	497	519	497	491	488	494	475	
19	497	491	485	475	457	453	464	463	459	461	462	473	479	470	476	479	482	484	486	482	486	483	485	488	476	
20	485	482	468	465	471	468	471	468	469	467	467	470	474	475	471	473	476	478	480	479	481	481	482	480	474	
21 Q	477	477	477	479	479	477	477	478	478	477	476	476	477	476	475	474	479	479	479	481	482	481	480	478	478	
22	477	476	477	476	477	476	477	473	468	473	473	473	473	471	468	465	470	471	474	474	480	484	478	477	474	
23 D	476	478	476	476	473	464	463	468	450	428	443	454	455	461	462	466	500	515	526	491	488	488	490	500	475	
24 D	495	485	483	482	471	424	441	432	455	450	449	436	440	473	467	463	487	506	508	506	498	500	494	491	473	
25 D	489	491	485	478	458	470	482	467	470	459	432	461	471	470	475	475	488	488	486	491	491	489	488	493	477	
26	505	504	493	488	481	477	450	471	464	474	470	476	479	481	477	478	479	481	482	485	482	483	484	488	481	
27	485	485	483	482	482	479	473	453	457	459	458	458	463	471	475	477	482	487	488	491	491	491	488	494	477	
28	491	488	478	478	479	480	480	481	477	469	465	474	478	482	481	478	481	484	488	491	494	488	488	486	482	
29	487	482	482	480	482	481	479	478	477	479	477	475	481	480	477	477	477	477	475	478	479	479	477	477	479	
30	478	479	476	473	463	473	476	475	475	473	470	464	465	471	471	468	473	478	487	493	488	482	481	482	475	
31 Q	482	479	479	479	476	475	475	470	465	468	470	474	476	477	474	476	477	475	475	475	474	474	473	473	475	
Mean	484	487	484	481	478	475	474	470	468	467	468	471	473	474	471	471	475	480	483	484	484	484	484	484	477	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt

January 1941

Day	Horizontal Intensity						Declination					Vertical Intensity				
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range γ	Maximum 7° W +		Minimum 7° W +		Range	Maximum 56,000 γ +		Minimum 56,000 γ +		Range γ	
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ		γ
1	05 35	316	16 00	244	72	16 24	46.2	13 25	26.3	19.9	20 43	509	05 53	447	62	
2	21 49	306	16 50	256	50	20 25	34.4	14 38	26.3	8.1	01 40	502	15 20	475	27	
3	22 56	312	16 48	281	31	20 25	33.6	14 27	24.8	8.8	23 59	487	15 40	469	18	
4	03 40	311	16 30	261	50	19 42	36.7	03 23	23.6	13.1	02 03	498	10 45	458	40	
5 Q	21 50	329	15 38	273	56	18 45	35.5	14 05	26.2	9.3	00 05	477	17 10	462	15	
6	00 40	323	03 58	242	81	19 17	36.7	04 55	17.9	18.8	03 17	532	07 10	463	69	
7	04 23	297	17 00	237	60	17 57	42.2	13 30	27.6	14.6	18 50	495	16 48	457	38	
8	21 03	312	08 08	271	41	18 02	36.3	04 08	25.6	10.7	04 15	491	16 00	468	23	
9	21 04	312	16 38	261	51	14 27	40.8	09 00	23.7	17.1	19 50	491	07 44	434	57	
10	22 25	305	17 10	271	34	19 52	36.7	12 55	27.1	9.6	01 06	491	14 45	469	22	
11	01 25	305	19 02	269	36	19 36	38.1	12 42	24.7	13.4	01 55	491	11 20	461	30	
12	20 35	308	14 18	278	30	18 24	35.9	14 00	25.8	10.1	03 00	488	09 15	468	20	
13	20 15	314	16 16	279	35	19 02	35.3	00 38	21.6	13.7	00 28	485	09 45	471	14	
14 Q	20 05	315	16 10	278	37	22 50	33.1	08 40	27.1	6.0	23 59	481	20 30	468	13	
15 Q	21 00	315	16 53	284	31	18 30	37.4	14 18	25.3	12.1	04 10	482	15 00	462	20	
16	22 48	317	14 52	279	38	15 38	40.9	07 53	26.2	14.7	20 35	475	15 45	441	34	
17 D	20 36	325	17 10	200	125	17 50	51.4	08 48	12.1	39.3	01 33	598	07 38	393	205	
18 D	03 25	322	19 12	220	102	19 07	46.6	03 05	11.1	35.5	19 30	534	03 45	427	107	
19	04 47	312	17 33	227	85	17 43	41.7	00 05	10.8	30.9	00 25	502	05 09	429	73	
20	02 50	328	15 00	262	66	07 22	40.0	02 29	19.1	20.9	00 30	486	03 00	452	34	
21 Q	01 13	307	16 12	263	44	18 27	35.7	03 30	24.9	10.8	03 58	485	15 30	474	11	
22	07 45	314	19 54	271	43	20 25	37.1	14 13	25.3	11.8	21 13	487	15 20	463	24	
23 D	10 17	314	17 20	207	107	08 56	47.8	01 30	22.9	24.9	18 40	538	09 28	420	118	
24 D	14 25	313	07 11	204	109	12 50	50.1	07 18	16.7	33.4	17 07	513	07 10	434	79	
25 D	11 35	302	05 32	245	57	10 38	49.7	04 10	13.8	35.9	23 58	509	10 37	420	89	
26	12 30	302	00 17	219	83	06 03	42.0	00 14	-0.1	42.1	00 13	528	06 29	435	93	
27	07 03	306	16 10	256	50	07 07	46.0	08 54	24.7	21.3	23 26	497	07 15	434	63	
28	02 05	322	18 57	262	60	09 42	37.6	01 56	22.1	15.5	20 10	497	10 08	458	39	
29	21 20	310	17 05	262	48	19 00	37.2	01 07	24.2	13.0	00 25	488	18 10	473	15	
30	21 26	307	16 27	255	52	17 10	41.2	04 19	21.3	19.9	19 05	497	04 35	450	47	
31 Q	20 00	302	16 10	277	25	07 52	40.6	00 37	26.6	14.0	00 35	484	08 40	460	24	
Mean		313		255	58		40.2		21.8	18.4		501		452	49	
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 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 Q	301	301	302	302	301	304	303	299	298	301	301	301	303	297	295	281	267	275	287	283	290	290	296	295	294	
2	293	296	297	296	295	295	296	298	292	291	288	288	292	288	281	268	268	275	286	291	283	290	299	296	289	
3	292	294	286	257	250	265	270	255	234	200	178	272	275	265	266	258	252	253	245	256	277	293	287	293	261	
4	288	275	276	275	284	283	275	280	278	280	283	286	280	273	265	254	252	257	273	288	287	289	293	292	278	
5	291	285	281	287	286	285	284	284	279	285	280	280	283	276	283	285	286	285	270	291	296	289	297	303	286	
6	288	286	264	283	285	288	275	270	280	277	285	283	289	276	258	258	270	280	281	283	283	296	299	307	281	
7 D	307	284	283	286	285	257	272	256	257	273	281	286	287	283	278	280	279	258	267	276	279	296	301	291	279	
8	284	298	292	287	304	290	295	291	287	285	305	292	298	303	292	263	269	271	271	280	284	280	289	288	287	
9	283	290	280	292	289	281	281	274	283	287	293	294	290	287	277	276	279	284	284	276	265	274	284	287	283	
10	288	276	285	282	281	281	296	279	285	293	286	287	289	287	285	282	282	283	293	295	290	290	289	296	287	
11 Q	290	291	284	288	287	282	282	284	285	287	289	287	288	284	283	284	284	289	286	283	283	290	295	292	287	
12 Q	286	282	282	283	285	287	287	286	289	289	298	302	301	302	297	290	287	292	295	300	298	302	302	305	293	
13 D	298	295	302	299	300	309	313	297	295	289	299	312	315	292	313	274	267	254	275	285	295	285	264	279	292	
14	277	272	273	282	283	287	292	286	277	275	261	302	310	300	289	273	279	287	293	298	299	301	303	302	287	
15	280	287	288	300	276	287	295	292	292	288	298	302	303	289	282	280	278	268	277	277	297	303	300	299	289	
16	298	292	269	279	290	290	293	295	298	296	291	298	296	291	282	277	274	274	280	287	295	291	267	293	287	
17	290	282	293	282	287	295	289	286	281	282	261	279	292	282	257	265	268	271	274	277	285	300	303	296	282	
18 Q	292	289	288	287	292	295	298	289	292	293	298	295	295	292	285	279	282	285	286	287	290	297	301	303	291	
19	301	299	297	297	294	294	293	295	294	299	301	297	299	302	294	283	268	266	284	294	304	305	302	300	294	
20	302	300	299	299	295	293	294	289	294	302	299	305	304	295	304	294	290	292	294	302	296	297	274	294	296	
21 D	284	276	289	273	283	289	291	292	294	289	291	300	299	277	234	255	277	271	281	297	271	254	271	278	280	
22 D	281	284	271	300	281	278	279	285	286	263	272	291	280	286	273	265	235	263	272	264	225	263	268	275	273	
23 D	276	280	277	284	302	287	271	277	290	286	280	291	278	267	271	278	273	251	233	278	291	279	258	268	276	
24	284	282	273	278	274	278	265	278	283	287	278	268	268	268	253	248	235	271	281	278	291	286	290	279	274	
25	284	289	288	288	291	293	291	294	290	289	285	289	285	279	270	276	272	271	275	299	289	297	275	276	285	
26	287	286	292	286	263	275	280	283	279	265	271	273	283	281	265	263	263	271	283	300	305	306	302	302	282	
27 Q	301	298	296	292	292	297	295	297	296	292	295	294	288	278	266	250	235	255	279	294	303	304	301	304	288	
28	309	300	294	301	299	301	298	299	298	299	295	283	296	294	281	263	271	278	288	296	302	306	304	305	294	
29																										
30																										
31																										
Mean	301	288	286	287	287	287	288	285	285	284	284	291	291	286	278	272	269	273	278	286	288	291	290	293	285	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt

D = 7° W + ...'

February 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	31.6	31.3	30.7	30.6	30.7	30.7	31.5	31.4	30.2	28.9	29.1	29.3	29.7	28.8	26.6	28.7	32.8	36.6	36.8	36.1	36.0	35.2	33.5	32.4	31.6
2	31.1	30.1	30.2	30.4	30.8	31.1	31.3	30.4	29.1	30.7	27.6	27.1	29.0	27.0	27.1	30.1	33.3	35.4	36.1	37.6	38.4	35.7	33.3	32.4	31.5
3	31.5	30.5	30.1	25.6	30.7	28.6	29.8	29.9	24.2	32.1	26.4	28.0	28.8	28.9	28.2	32.7	34.8	36.6	40.2	40.2	41.3	37.0	33.5	31.7	31.7
4	32.4	31.1	32.3	28.8	30.1	30.1	29.3	31.0	28.9	28.6	28.6	28.8	25.1	27.1	27.5	31.6	34.3	36.6	36.6	35.5	34.2	33.9	33.4	32.4	31.1
5	32.2	32.1	30.8	27.1	30.2	30.3	28.6	27.6	27.5	26.9	24.3	26.9	29.1	25.3	26.7	30.8	32.2	32.5	35.8	38.5	37.1	38.0	37.8	39.4	31.2
6	36.3	32.6	28.5	30.2	29.3	25.8	31.7	27.2	29.9	31.6	36.3	31.2	28.9	28.9	33.9	37.1	39.4	36.5	35.8	38.2	39.3	39.4	38.9	35.7	33.4
7 D	35.3	37.5	29.8	27.2	27.3	16.6	23.9	25.7	26.1	30.9	28.9	30.8	29.3	29.3	31.6	30.2	30.4	32.5	32.4	34.2	36.4	32.6	34.3	35.3	30.3
8	29.4	33.5	31.6	25.8	28.7	30.7	30.7	29.8	35.3	37.5	31.7	38.2	35.7	32.5	29.9	30.9	32.2	34.4	35.4	35.0	37.0	33.0	34.4	33.5	32.8
9	32.2	31.2	29.0	24.1	27.8	28.4	27.6	26.2	28.4	27.6	29.4	29.3	29.0	27.2	27.2	30.7	30.7	32.5	33.5	36.2	37.1	36.7	35.8	31.7	30.4
10	31.6	24.1	28.1	30.8	29.0	30.2	31.2	29.4	32.2	30.3	28.4	29.5	30.3	30.3	30.3	30.7	32.5	33.2	33.4	34.8	35.2	35.9	35.3	33.1	31.2
11 Q	32.1	32.2	31.2	30.9	31.3	30.1	29.8	30.8	28.8	28.6	29.0	28.8	28.2	28.1	28.5	30.0	31.3	33.3	34.4	36.3	35.4	35.1	35.4	34.5	31.4
12 Q	33.6	32.3	30.3	29.1	29.1	29.0	29.4	29.3	29.3	31.8	31.8	30.8	29.1	28.6	27.7	30.9	31.8	33.5	35.1	35.8	35.9	35.0	35.5	35.0	31.6
13 D	32.2	27.6	29.9	30.0	30.0	31.4	32.1	31.3	37.3	32.3	25.4	26.2	27.7	39.9	41.7	31.7	36.2	40.8	39.8	37.7	36.3	36.8	33.6	31.0	33.3
14	27.8	14.4	22.1	30.2	29.0	35.6	38.8	33.9	36.8	38.1	42.7	37.3	30.4	28.8	29.5	32.0	31.8	33.1	34.3	33.7	32.7	32.3	32.0	32.3	32.1
15	23.2	25.1	31.9	27.6	40.4	30.4	31.0	31.6	35.0	40.3	38.2	28.1	31.2	31.3	31.3	34.5	33.7	35.9	35.4	35.9	34.9	32.7	31.3	30.4	32.5
16	30.4	30.4	20.1	24.6	31.0	30.8	31.3	32.0	31.7	31.5	30.9	29.1	27.8	27.7	27.6	29.9	32.6	34.1	35.9	35.4	34.5	33.5	25.0	31.3	30.3
17	30.5	26.9	27.8	28.2	26.0	32.8	37.3	36.1	32.0	31.8	35.0	37.8	30.5	30.1	30.0	32.8	34.6	34.6	35.5	37.7	34.2	33.5	32.4	32.4	32.5
18 Q	30.7	30.0	30.6	30.5	30.1	29.0	30.0	29.0	29.9	35.0	30.0	30.3	30.8	29.0	29.0	30.9	32.0	32.8	34.1	34.5	34.4	34.5	32.4	31.5	31.4
19	30.7	30.2	30.5	30.8	31.3	31.5	31.4	31.1	31.0	31.1	29.4	29.6	29.4	28.8	29.6	32.0	34.5	39.1	38.0	35.3	34.8	34.6	33.6	31.8	32.1
20	31.4	31.0	30.9	30.3	30.1	29.8	31.4	30.7	38.2	32.8	27.4	29.7	30.7	32.7	31.4	30.7	33.6	32.7	32.8	33.3	35.4	40.3	35.9	33.3	32.4
21 D	30.0	25.0	35.9	30.4	27.7	30.4	31.8	31.9	31.1	31.4	32.0	30.1	29.2	31.0	36.5	37.4	34.5	37.8	34.2	33.3	35.6	36.4	30.1	32.4	32.4
22 D	30.5	31.0	29.9	20.4	31.4	30.5	35.2	31.4	29.6	36.4	41.5	32.9	33.5	30.4	36.4	31.4	35.7	35.0	33.3	36.0	34.1	25.9	31.4	32.2	32.4
23 D	29.1	28.7	18.8	30.2	29.6	30.1	29.6	40.6	31.4	27.4	32.0	31.0	31.3	35.5	35.6	31.9	34.2	33.7	42.7	36.5	29.4	32.4	27.8	19.6	31.2
24	31.9	31.8	26.4	22.3	27.3	34.7	42.3	37.7	31.9	27.7	28.2	35.5	33.3	32.8	32.8	34.0	38.5	36.0	36.0	34.2	33.2	33.3	30.1	23.9	32.4
25	26.4	27.4	31.8	30.1	29.3	32.4	33.4	34.6	30.2	26.4	28.9	35.1	34.7	34.6	33.8	33.7	35.5	38.7	38.0	35.5	35.0	31.9	28.2	28.0	32.3
26	30.6	30.9	20.4	29.1	28.6	31.2	30.1	32.8	28.4	30.7	30.0	34.2	28.6	28.2	30.4	31.1	35.6	37.0	37.8	38.7	34.5	32.4	31.8	31.5	31.4
27 Q	31.5	31.5	31.5	31.6	31.9	31.9	32.0	32.3	31.2	31.4	29.9	29.0	28.1	27.5	28.3	30.5	32.0	37.2	38.3	36.5	34.0	32.8	32.5	32.4	31.8
28	31.2	29.6	31.5	31.9	32.4	32.5	32.0	31.9	31.2	30.5	28.5	32.0	26.6	25.1	27.2	32.3	36.9	38.7	40.2	38.4	35.7	33.3	32.5	31.5	32.3
29																									
30																									
31																									
Mean	31.0	29.6	29.0	28.5	30.1	30.3	31.6	31.3	31.0	31.4	30.8	31.0	29.9	29.8	30.6	31.8	33.9	35.4	36.2	36.1	35.4	34.4	32.9	31.9	31.8

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

Table 7 Agincourt

z = 56,000 γ +

February 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	474	474	474	475	474	472	468	468	469	469	469	469	472	471	465	463	468	474	476	480	483	483	485	483	474
2	482	479	478	478	480	480	480	478	474	465	468	470	476	480	475	471	475	480	486	487	484	483	481	480	478
3	479	481	487	487	498	492	489	444	404	352	451	474	478	462	463	474	481	488	499	514	515	512	507	495	476
4	498	504	515	510	497	489	487	489	483	483	486	480	477	474	477	478	482	483	488	488	488	489	489	487	488
5	487	488	491	487	486	487	482	483	478	477	472	475	470	466	458	460	465	470	476	482	489	501	504	518	481
6	527	522	521	510	491	477	433	452	470	464	443	444	457	469	471	470	466	469	475	482	489	492	494	502	479
7 D	519	554	539	513	503	480	465	439	433	456	470	481	483	476	471	472	470	475	487	489	489	492	489	489	485
8	499	493	492	489	473	476	475	470	459	453	440	442	454	462	463	467	477	482	484	490	492	495	490	491	476
9	489	490	492	472	475	469	440	451	471	476	477	477	478	473	469	469	473	477	477	481	489	490	490	488	476
10	489	488	488	484	481	475	463	467	463	469	475	476	478	476	472	472	475	478	480	481	483	484	488	492	478
11 Q	493	487	489	486	485	483	472	479	477	479	478	476	476	475	475	476	476	479	479	485	488	486	487	487	482
12 Q	490	493	490	488	488	483	480	480	479	475	469	472	475	475	467	466	464	464	463	467	473	475	476	476	476
13 D	485	492	484	484	481	476	472	465	432	381	398	449	452	455	443	443	455	463	470	475	482	493	502	497	464
14	499	499	490	493	480	454	442	449	437	423	418	453	467	467	466	466	471	474	475	478	479	477	478	481	467
15	488	488	499	467	410	426	457	467	464	446	418	454	459	460	464	466	473	480	489	490	486	484	484	481	467
16	480	479	479	479	483	479	477	477	476	475	471	473	475	473	470	469	473	475	475	477	480	493	494	490	478
17	485	485	481	482	469	456	436	456	463	449	433	434	461	466	463	469	469	476	482	482	487	489	485	484	469
18 Q	484	482	484	482	482	475	472	475	476	467	467	472	475	476	471	466	469	471	477	476	477	476	480	479	476
19	478	476	476	475	475	477	476	476	475	472	472	472	473	469	464	458	462	472	475	473	471	470	473	475	472
20	473	473	472	472	473	472	472	466	461	457	458	461	457	465	464	455	457	460	466	470	473	479	482	506	469
21 D	494	483	453	480	476	473	476	476	473	467	459	468	469	459	469	480	491	485	479	490	499	548	536	509	483
22 D	496	494	487	458	464	476	464	474	474	428	423	438	454	474	469	478	500	499	500	499	513	519	509	506	479
23 D	500	495	485	483	470	456	450	413	457	466	466	471	464	467	470	480	480	488	511	516	517	501	517	509	480
24	497	491	489	479	474	477	450	459	470	464	467	466	466	480	479	482	492	496	499	506	500	492	492	494	481
25	491	489	485	482	476	482	476	459	467	470	473	460	469	476	477	477	477	483	488	491	494	502	503	494	481
26	494	487	471	454	473	473	468	480	476	461	464	456	471	470	471	474	478	480	483	484	482	483	480	478	474
27 Q	476	474	474	474	476	472	473	477	474	476	476	476	477	476	474	471	473	482	484	480	483	481	476	477	476
28	478	478	480	479	476	472	474	475	473	472	470	470	470	467	465	466	473	477	478	479	483	476	470	480	474
29																									
30																									
31																									
Mean	490	490	488	482	477	473	467	466	465	457	458	465	469	470	468	469	473	477	482	485	488	491	491	490	476

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt

February 1941

Day	Horizontal Intensity						Declination						Vertical Intensity									
	Maximum 15,000 γ +			Minimum 15,000 γ +			Maximum 7° W +			Minimum 7° W +			Maximum 56,000 γ +			Minimum 56,000 γ +						
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ	
1 Q	06	05	311	16	52	263	48	17	52	37.9	13	46	26.6	11.3	22	20	486	15	30	459	27	
2	22	10	299	16	00	263	36	20	00	39.6	14	10	25.1	14.5	19	54	489	09	43	457	32	
3	20	59	302	09	42	<u>165</u>	<u>137</u>	19	00	43.0	08	55	21.0	22.0	19	49	520	07	42	<u>301</u>	<u>219</u>	
4	20	40	294	16	26	248	46	17	35	37.9	12	30	24.3	13.6	02	38	516	14	50	471	45	
5	20	41	309	18	32	257	52	23	14	42.1	13	58	22.3	19.8	23	59	536	14	35	454	82	
6	23	59	324	02	47	240	84	00	04	42.5	05	51	18.7	23.8	00	02	536	06	37	419	117	
7 D	00	10	322	05	55	227	95	01	01	48.1	06	07	9.3	38.8	01	47	<u>563</u>	08	12	405	158	
8	10	50	312	18	35	259	53	12	01	43.0	03	57	19.0	24.0	00	12	500	11	13	431	69	
9	03	37	319	20	01	256	63	19	15	38.5	03	36	14.7	23.8	20	45	497	06	18	430	67	
10	06	07	302	01	21	267	35	21	55	37.5	01	24	19.8	17.7	23	59	496	06	25	458	38	
11 Q	22	02	296	06	03	275	<u>21</u>	19	42	37.2	13	03	27.7	<u>9.5</u>	00	01	496	06	38	464	32	
12 Q	21	30	307	04	00	276	31	19	50	36.4	14	47	25.8	10.6	02	00	495	18	20	460	35	
13 D	14	20	<u>327</u>	17	14	246	81	14	22	47.7	10	41	19.5	28.2	22	38	508	09	52	374	134	
14	11	58	317	10	28	231	86	10	32	47.2	02	00	10.6	36.6	00	08	506	10	32	387	119	
15	05	35	315	05	10	240	75	04	53	48.8	03	15	15.6	33.2	02	40	502	05	12	377	125	
16	21	10	310	22	19	249	61	18	50	37.0	02	55	11.7	25.3	21	45	500	15	30	469	31	
17	22	35	308	14	56	239	69	06	16	44.6	04	12	15.2	29.4	21	23	493	06	10	412	81	
18 Q	22	26	304	19	46	275	29	09	31	40.1	13	13	27.8	12.3	00	01	488	09	52	464	24	
19	20	27	307	17	04	254	53	17	52	40.3	11	05	27.3	13.0	00	01	478	15	28	457	21	
20	21	20	317	22	32	268	49	21	36	43.6	10	14	26.0	17.6	23	47	542	10	05	449	93	
21 D	19	41	318	14	17	212	106	02	36	46.4	01	50	11.6	34.8	21	33	561	02	32	425	136	
22 D	03	47	326	16	22	209	117	10	01	47.3	03	16	<u>6.5</u>	<u>40.8</u>	21	11	525	10	20	401	124	
23 D	04	38	320	18	03	212	108	07	12	48.4	23	40	13.1	35.3	22	38	537	07	08	394	143	
24	22	26	296	16	17	202	94	06	21	<u>50.7</u>	03	21	17.4	33.3	19	27	509	06	32	435	74	
25	19	57	309	18	23	253	56	17	35	41.4	01	18	22.2	19.2	22	25	509	12	00	452	57	
26	19	40	314	04	11	249	65	10	46	43.0	02	45	15.1	27.9	00	01	497	02	56	448	49	
27 Q	21	00	306	16	20	228	78	18	03	39.3	12	50	27.2	12.1	17	57	486	15	52	466	<u>20</u>	
28	00	48	310	15	28	258	52	18	22	40.6	13	42	24.7	15.9	20	37	485	15	00	461	24	
29																						
30																						
31																						
Mean			311			244	67			42.5			19.5	23.0			509			431	78	
No. days			28			28	28			28			28	28			28			28	28	

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

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

Table 9 Agincourt

H = 15,000 γ +

March 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	303	291	293	288	301	312	49	-140			(-38)	262	245	(-38)			(146)	284	284	294	343	442	406	294	
2	185	196	194	197	196	183	183	170	151	182	151	207	208	206	190	171	163	201	219	228	252	262	249	247	200
3	238	226	243	247	250	245	246	255	239	236	228	235	235	243	222	202	192	214	242	242	258	260	269	267	239
4	248	224	250	262	257	234	219	241	255	213	218	252	257	245	198	232	248	247	250	255	270	243	260	258	243
5	243	251	253	246	220	247	263	257	256	252	239	228	225	245	211	247	232	235	254	260	270	267	250	262	246
6	255	262	261	260	261	262	249	257	265	258	242	253	255	238	228	223	219	219	243	259	265	267	267	273	252
7	268	264	281	275	275	274	270	272	275	259	262	269	264	257	252	246	248	260	274	275	287	285	278	270	269
8	277	273	276	274	279	275	275	275	280	279	282	275	266	263	242	238	247	262	276	285	288	280	280	282	272
9	271	278	270	278	284	283	282	272	275	275	275	275	267	259	252	249	254	260	269	273	274	284	288	242	271
10 Q	257	272	264	267	265	295	277	279	278	279	282	279	272	263	258	255	260	265	275	285	286	288	288	290	274
11	279	267	276	282	281	279	281	278	278	278	275	276	272	268	262	260	266	270	277	299	295	318	273	273	278
12	277	282	282	284	285	285	287	287	288	289	290	289	279	250	257	264	273	282	287	294	292	286	276	261	280
13	269	278	282	287	286	284	280	277	281	284	284	281	275	272	264	262	268	281	282	279	290	310	281	257	279
14 D	271	250	290	231	323	164	31	0	201	115	167	225	207	246	243	242	243	241	254	281	277	286	280	258	222
15	270	274	272	275	265	281	267	261	233	274	284	265	257	267	253	246	251	255	263	282	299	277	272	261	267
16 Q	266	271	276	281	282	280	277	277	277	279	276	276	269	258	249	246	246	253	262	271	281	286	285	284	271
17 Q	287	286	282	277	284	284	285	284	284	283	284	284	279	273	263	252	249	252	260	274	280	292	295	296	278
18	287	281	287	290	288	284	284	289	287	289	290	289	282	275	263	252	246	247	252	271	285	314	289	283	279
19	293	291	288	292	294	298	294	296	294	289	299	280	234	276	261	264	258	255	265	283	285	282	283	285	281
20	252	267	272	263	282	278	252	265	277	272	252	265	253	252	235	213	211	237	255	266	280	264	278	280	259
21	276	278	283	294	278	262	237	286	265	260	264	263	260	237	248	225	222	236	245	265	258	288	272	281	262
22	280	278	284	270	268	249	270	273	267	262	267	274	248	255	250	222	199	212	240	263	275	281	291	273	260
23	283	291	288	282	275	277	282	291	281	275	278	275	281	273	260	250	230	255	260	291	297	298	270	268	276
24	284	287	273	285	281	285	284	291	291	290	286	283	282	274	262	243	244	247	258	273	290	278	288	289	277
25	288	287	288	296	288	286	291	291	281	275	293	293	281	268	256	255	250	252	258	271	288	292	294	298	280
26 Q	298	293	288	286	285	283	294	290	292	291	294	288	280	274	268	260	258	265	274	283	290	287	293	298	284
27 Q	295	295	293	293	292	295	294	296	296	292	291	290	284	275	266	256	254	264	277	290	300	303	308	316	288
28 D	313	277	265	277	301	303	306	297	287	221	240	270	246	208	228	222	248	233	267	280	336	293	293	266	270
29	278	280	270	262	274	277	260	276	274	271	273	273	259	236	240	220	211	215	238	273	306	320	282	258	263
30 D	263	256	244	232	245	266	250	245	215	244	243	238	218	226	240	227	187	152	274	380	521	536	510	434	285
31 D	264	272	228	211	183	165	229	238	83	205	208	102	233	252	245	231	233	243	262	280	283	297	293	284	230
Mean	271	270	271	269	271	265	260	262	260	259	261	262	258	255	246	239	237	244	261	277	293	295	288	280	265

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt

D = 7° W + ...'

March 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	32.0	32.5	30.6	29.3	12.3	13.3	70.9	29.9	44.0	51.5	50.6	34.7	22.0	33.4	44.0	0.2	-58.4		39.9	43.1	32.5	19.9	11.9	16.0		
2	37.0	33.7	29.6	34.3	36.5	36.1	39.4	38.1	38.9	36.3	40.1	35.2	32.5	29.2	31.0	33.8	35.4	33.8	36.7	41.5	39.6	40.6	35.1	38.8	35.9	
3	35.6	26.5	29.9	33.9	30.5	33.5	34.8	36.2	33.5	33.5	38.6	46.1	36.3	29.7	32.5	37.8	35.2	32.8	39.2	39.2	37.4	36.5	34.7	34.6	34.9	
4	31.1	21.0	30.3	34.2	30.1	31.1	26.8	36.5	36.6	33.2	44.7	29.9	28.3	29.2	30.5	43.4	39.1	37.4	36.1	36.5	38.4	37.0	35.2	35.9	33.8	
5	22.6	33.5	32.0	26.1	36.8	27.9	28.7	30.9	30.9	31.6	32.8	34.7	37.5	31.5	36.1	34.6	37.5	39.6	39.2	38.8	40.5	41.1	32.9	34.7	33.9	
6	31.0	27.0	32.5	32.5	31.1	37.0	28.7	38.1	31.4	29.5	38.7	35.2	37.9	27.9	29.6	33.5	36.9	37.8	39.7	38.5	35.6	34.3	33.7	32.4	33.4	
7	32.8	29.7	29.2	31.5	32.9	32.4	32.3	32.8	33.5	29.7	28.3	28.7	27.9	28.2	30.6	34.9	37.9	38.4	38.3	37.8	34.3	35.4	37.5	32.9	32.8	
8	31.6	33.7	27.9	32.4	33.8	32.4	32.4	32.4	31.7	32.9	30.6	28.6	28.2	27.9	29.5	33.5	38.2	40.8	40.6	40.2	38.8	36.0	34.1	35.5	33.5	
9	33.9	22.8	31.0	33.5	32.4	31.5	38.0	34.3	34.2	30.5	30.1	28.6	29.1	27.6	28.4	30.8	36.9	37.0	37.7	37.5	36.6	34.2	33.7	33.5	26.4	32.5
10 Q	29.2	31.9	30.2	29.0	30.9	35.6	32.8	32.4	31.5	31.1	31.0	29.7	27.8	29.0	31.8	36.5	38.4	40.6	40.6	39.1	36.6	34.8	33.8	33.3	33.3	
11	32.8	31.2	33.0	34.2	32.8	32.4	30.6	30.7	30.9	28.3	27.9	26.0	26.1	27.8	29.7	34.1	36.6	38.4	39.3	38.3	40.4	42.8	39.9	37.9	33.5	
12	33.8	32.8	32.8	32.8	32.8	32.7	32.1	31.9	31.2	30.6	30.1	29.3	27.5	28.6	34.8	36.2	37.0	40.9	40.6	38.8	36.0	33.8	32.4	33.2	33.5	
13	32.4	29.7	30.7	29.3	32.4	31.6	30.2	30.0	28.5	29.3	29.3	28.6	28.2	28.9	30.8	32.4	34.3	35.7	36.7	39.2	38.4	37.1	37.5	34.8	32.4	
14 D	32.1	12.7	26.1	27.8	27.6	39.8	32.9	57.6	26.1	44.4	48.9	58.4	41.7	32.5	33.4	37.0	36.1	37.8	35.7	32.5	32.0	32.7	15.0	24.1	34.4	
15	33.9	32.1	31.1	29.8	29.6	35.1	37.1	39.7	45.3	34.3	28.5	29.4	35.2	30.9	29.4	34.1	35.7	37.7	39.8	36.1	34.8	31.7	27.0	28.4	33.6	
16 Q	30.2	31.6	29.0	30.7	28.4	30.6	32.0	31.6	31.6	33.7	31.2	30.4	28.0	27.6	27.9	31.7	35.7	38.0	39.4	38.5	37.1	35.7	34.7	34.4	32.5	
17 Q	33.6	33.0	32.1	29.1	32.1	33.5	34.0	35.1	33.4	29.9	29.3	29.2	28.0	28.8	30.6	33.8	36.4	38.9	39.9	39.3	37.8	35.7	33.9	33.4	33.4	
18	32.7	30.2	29.9	32.0	32.2	32.1	32.2	32.0	29.5	29.9	29.8	28.9	27.4	25.7	25.3	27.2	30.3	33.5	34.9	36.0	36.5	36.0	36.2	32.6	31.4	
19	32.3	32.6	32.2	31.7	30.8	31.1	30.7	31.4	28.6	27.2	26.2	34.6	49.8	38.8	41.4	34.0	33.0	38.7	39.2	37.5	34.8	33.3	30.7	30.2	33.7	
20	26.7	20.3	30.8	31.2	25.8	28.6	36.6	35.7	31.5	26.6	34.0	29.8	29.4	30.2	31.6	33.9	40.1	38.5	38.8	37.5	35.5	32.1	29.0	32.1	31.9	
21	22.5	30.3	21.2	29.1	28.8	27.0	43.4	35.1	28.4	25.7	33.4	31.3	30.3	30.3	29.8	32.2	37.0	36.6	34.7	28.1	33.1	35.5	34.7	29.1	31.1	
22	32.6	32.4	14.2	28.9	27.1	30.2	34.1	34.9	32.2	36.1	35.4	29.5	32.9	28.0	31.5	33.5	37.3	39.0	36.7	36.3	36.2	36.2	33.9	28.1	32.4	
23	30.2	33.7	33.0	31.1	28.4	28.0	37.1	33.8	27.9	31.1	32.1	32.6	30.2	28.9	30.4	35.2	39.5	38.4	41.6	37.6	35.1	33.5	23.5	31.1	32.6	
24	34.9	33.1	30.3	28.7	31.4	32.3	31.7	32.7	32.6	30.8	32.1	31.0	29.9	27.4	27.7	32.1	34.3	37.2	38.6	37.9	37.2	35.4	34.0	34.5	32.8	
25	33.7	33.0	32.6	30.9	32.3	31.4	33.1	34.4	32.2	37.9	34.1	29.9	28.2	27.2	29.2	32.3	35.0	34.6	39.9	39.5	37.4	36.3	34.7	33.9	33.7	
26 Q	33.0	32.2	31.7	32.5	30.7	32.5	36.4	31.7	30.8	31.3	31.7	29.9	28.9	27.7	27.5	29.8	33.1	36.2	38.5	38.4	38.3	37.1	35.2	33.7	32.8	
27 Q	32.8	32.7	32.7	32.7	32.7	32.2	31.7	31.7	31.2	31.0	30.9	30.0	28.2	26.9	29.1	33.1	37.2	39.4	40.8	40.1	38.0	35.8	33.2	33.5	33.3	
28 D	31.9	32.7	31.8	32.7	33.9	30.8	29.0	29.5	29.1	35.6	23.2	24.3	19.0	33.9	37.7	41.0	39.0	41.1	46.4	43.6	40.5	32.7	40.1	36.8	34.0	
29	32.1	34.0	26.5	25.3	31.4	31.7	34.0	36.8	32.6	34.4	31.7	29.0	25.8	28.1	30.7	33.7	40.4	41.6	43.6	40.1	40.3	32.6	36.8	33.5	33.7	
30 D	26.5	26.7	21.3	33.0	29.0	29.7	28.5	32.4	53.0	22.8	23.5	27.6	28.4	29.7	29.8	30.1	35.0	40.8	40.3	39.5	22.5	16.5	21.3	25.7	29.7	
31 D	21.9	17.7	42.1	30.7	19.9	43.8	35.6	27.7	43.6	48.4	41.8	60.3	31.9	23.2	27.0	32.6	35.3	35.8	38.1	40.3	41.4	38.1	37.9	36.7	35.5	
Mean	31.3	29.5	29.9	31.1	30.9	32.5	33.2	34.3	33.1	32.3	32.7	32.6	30.3	29.1	30.9	34.2	36.5	38.1	39.0	38.1	36.6	35.0	33.1	32.7	33.2	

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

Table 11 Agincourt

Z = 56,000 γ +

March 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	479	490	490	484	447	418	271	212	201	224	443	498	509	491	1121	1080	767	437	667	630	702	723	736	683	550
2	583	563	550	542	531	537	503	486	465	513	491	533	521	524	514	512	520	537	527	529	540	553	543	535	527
3	540	548	540	526	510	504	503	496	488	496	485	473	490	511	503	501	517	531	523	514	511	509	507	507	510
4	518	524	517	517	470	440	464	471	476	441	434	476	497	500	494	495	497	503	512	506	516	543	553	552	497
5	524	518	512	474	432	483	473	492	501	500	491	479	465	478	485	494	496	503	524	535	533	561	556	531	501
6	517	506	506	506	497	470	473	462	484	488	471	486	497	497	493	491	500	509	513	509	506	503	503	504	496
7	503	501	497	494	496	497	494	488	477	460	482	494	494	497	494	491	492	497	500	501	503	506	526	514	496
8	515	512	509	502	498	491	494	493	491	490	489	488	487	490	491	494	491	495	499	499	502	507	501	506	497
9	512	490	501	500	494	478	455	468	480	485	491	492	491	490	485	481	482	484	489	491	500	500	503	509	490
10 Q	510	510	513	512	502	466	486	492	492	491	490	492	487	487	485	488	490	492	495	495	492	493	492	492	493
11	492	496	497	498	495	486	484	489	489	490	488	486	486	486	483	478	480	483	486	489	492	509	557	520	493
12	501	493	492	491	490	491	490	490	490	490	489	490	486	486	486	483	477	480	481	480	486	489	495	498	488
13	498	501	507	508	510	507	504	500	497	495	490	492	490	490	489	484	485	490	492	497	509	532	524	536	501
14 D	551	439	546	465	389	389	290	272	431	361	245	314	384	478	483	490	501	507	513	522	525	516	534	511	444
15	507	501	498	483	485	469	469	448	401	454	472	480	479	480	484	486	487	491	492	495	506	507	507	502	482
16 Q	502	502	492	485	483	482	489	489	488	485	486	492	492	491	491	486	486	491	492	495	495	492	490	490	491
17 Q	486	487	486	489	490	489	485	477	474	480	485	486	486	484	477	475	474	477	484	491	492	495	492	491	485
18	489	489	486	487	486	485	486	485	480	485	486	486	485	485	483	478	477	480	486	491	491	498	495	498	486
19	490	489	486	485	485	483	481	467	466	471	477	466	448	448	463	471	479	490	497	495	507	507	502	501	481
20	515	492	497	454	466	478	435	392	424	446	459	466	478	492	481	481	489	501	501	501	502	507	506	514	478
21	507	498	474	451	460	472	442	421	436	445	469	469	483	481	488	489	493	498	511	557	531	520	514	510	484
22	500	495	471	445	446	448	448	436	449	448	438	465	468	484	482	477	486	501	521	515	512	501	504	507	477
23	497	491	489	486	483	468	468	461	460	472	475	481	477	482	480	479	486	501	493	499	501	517	524	510	486
24	501	494	494	485	490	490	489	484	482	480	485	489	487	489	483	484	486	491	494	499	502	503	505	498	491
25	494	493	490	478	472	478	482	475	463	460	474	483	486	485	484	483	486	486	490	492	496	496	492	491	483
26 Q	487	487	487	489	485	483	469	480	484	484	485	487	489	490	487	484	487	492	491	491	492	491	492	490	487
27 Q	487	485	485	485	485	484	484	482	483	484	484	486	489	487	484	475	478	482	487	487	485	486	486	484	485
28 D	487	511	533	505	491	486	483	487	479	378	345	446	466	455	462	492	496	511	524	538	511	544	535	567	493
29	551	570	532	517	498	464	434	458	472	473	491	494	490	484	484	486	496	514	529	564	567	571	613	528	512
30 D	515	516	476	413	470	446	460	415	358	420	449	475	467	478	479	487	487	543	561	629	672	641	690	587	505
31 D	470	508	473	408	430	363	405	419	371	403	487	286	433	487	490	490	494	499	508	511	519	521	515	514	455
Mean	507	503	501	486	479	472	461	454	456	458	462	472	480	486	506	505	499	497	509	514	523	524	529	519	492

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt

March 1941

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 15,000 γ +			Minimum 15,000 γ +			Maximum 7° W +			Minimum 7° W +			Maximum 56,000 γ +			Minimum 56,000 γ +					
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ
1 D	21	25	575	09	30	-163	(738)	09	50	123.2	(17	20	-71.1)	(194.3)	(17	55	1499)	(07	45	-053)	(1552)
2	21	41	275	10	32	125	150	01	32	47.4	01	19	16.4	31.0	00	01	656	08	25	431	225
3	23	59	280	16	01	162	118	11	18	52.8	12	51	23.4	29.4	02	10	553	11	09	454	99
4	00	22	286	09	52	160	126	10	19	51.8	01	17	14.2	37.6	23	59	594	09	54	394	200
5	20	26	278	14	31	183	95	21	25	44.7	03	25	12.6	32.1	00	01	600	04	20	270	330
6	23	45	289	17	20	214	75	10	57	42.7	01	53	16.3	26.4	00	01	530	10	50	450	80
7	22	05	304	15	54	242	62	22	15	40.6	01	51	25.2	15.4	22	45	549	09	35	447	102
8	02	48	293	15	36	232	61	17	53	42.0	02	44	15.3	26.7	02	33	525	12	30	483	42
9	01	25	298	15	00	242	56	06	22	41.6	01	15	10.8	30.8	01	07	576	06	56	447	129
10 Q	05	25	303	00	01	245	61	18	10	41.9	00	01	22.4	19.5	02	55	518	05	50	454	64
11	21	30	324	22	30	237	87	22	00	46.5	12	07	24.6	21.9	22	26	572	15	50	477	95
12	20	04	294	13	55	239	55	17	15	42.7	12	57	25.6	17.1	00	01	508	16	15	472	36
13	21	08	332	23	34	247	85	21	13	42.8	04	04	25.6	17.2	23	25	545	15	25	484	61
14 D	04	30	372	06	55	-106	478	05	05	78.0	00	54	7.3	70.7	00	47	669	07	15	137	532
15	20	33	307	08	25	202	105	09	00	51.1	22	15	24.7	26.4	22	15	513	08	35	368	145
16 Q	20	40	288	15	48	244	44	18	30	40.2	04	55	24.6	15.7	01	18	507	05	00	473	34
17 Q	22	05	299	17	10	246	53	18	20	40.2	13	12	27.0	13.2	21	12	499	08	03	471	28
18	21	35	322	16	04	245	77	22	25	37.4	13	55	24.7	12.7	23	11	507	16	10	472	35
19	20	25	310	12	08	200	110	12	39	55.5	10	13	25.3	30.2	20	55	515	13	00	433	82
20	20	56	306	16	44	190	116	16	42	45.7	00	54	-7.0	52.7	00	40	530	07	05	340	190
21	03	05	302	16	09	198	104	06	53	50.9	00	20	12.7	38.2	19	50	573	06	50	384	189
22	02	50	303	16	38	186	117	05	54	41.6	02	26	2.2	39.4	18	15	526	09	15	422	104
23	21	20	329	16	40	218	111	18	35	43.8	22	30	19.2	24.6	22	25	537	08	27	451	86
24	03	15	296	17	18	233	63	18	21	38.9	03	17	25.4	13.5	22	06	511	09	58	475	36
25	22	55	303	17	18	246	57	19	02	41.2	13	30	26.2	15.0	21	00	499	09	55	446	53
26 Q	00	45	301	16	10	256	45	06	04	40.4	15	05	27.5	12.9	20	38	493	06	35	466	27
27 Q	23	59	318	16	30	249	69	18	10	41.0	13	43	26.2	14.8	13	00	490	16	00	474	16
28 D	20	48	378	13	50	180	198	18	00	54.4	12	35	16.5	37.9	20	53	720	10	33	298	422
29	20	51	357	16	50	193	164	19	18	50.8	21	09	16.7	34.1	22	38	705	06	15	427	278
30 D	23	25	613	17	03	059	554	08	10	54.6	21	26	-2.4	57.0	21	50	863	08	05	295	568
31 D	21	18	310	08	55	-068	378	02	43	82.8	01	10	-3.6	86.4	00	01	675	11	45	220	455
Mean			327			178	149			50.0			14.7	35.3			599			396	203
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 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	267	275	271	274	270	271	272	269	271	271	269	267	264	260	253	242	244	252	259	269	280	285	285	283	268
2	286	275	271	270	261	270	264	270	274	271	279	272	261	259	254	259	257	261	272	285	293	284	290	292	272
3	283	287	275	276	264	267	277	279	272	277	279	274	269	267	252	254	266	272	279	282	285	300	301	287	276
4	290	295	286	281	286	287	280	276	277	277	283	287	282	277	266	257	259	262	270	281	290	292	296	295	280
5	289	292	292	290	289	282	274	279	284	286	285	281	278	274	263	255	253	265	278	283	290	293	288	280	280
6	285	286	273	272	285	281	273	275	278	277	279	278	272	263	255	259	270	287	292	294	302	285	279	288	279
7 D	295	294	293	291	291	292	292	299	302	304	288	286	291	289	274	269	271	281	290	293	304	276	294	286	289
8	285	284	281	279	285	283	292	294	291	289	293	289	284	276	271	256	258	265	274	280	289	299	298	283	282
9	272	286	289	283	286	279	275	292	293	296	292	286	272	258	258	266	274	285	290	299	300	295	298	290	284
10 D	295	294	292	285	301	304	286	268	298	294	294	289	283	276	263	272	290	262	276	289	295	317	266	278	286
11	286	286	298	289	299	299	283	285	292	275	294	291	283	276	265	263	276	284	289	299	297	296	299	304	288
12	296	296	299	301	265	253	292	288	295	296	296	290	280	280	269	275	283	293	298	298	295	298	299	289	289
13	291	284	291	293	293	291	292	291	293	293	293	283	273	265	267	265	273	280	288	301	303	303	303	298	288
14 Q	299	299	299	298	300	296	298	288	292	291	294	296	292	280	268	255	258	268	275	288	293	302	304	303	289
15	301	299	300	303	304	303	305	307	308	308	306	306	308	298	288	276	286	293	298	305	308	320	303	304	302
16	316	285	298	305	303	299	301	303	308	298	288	288	305	291	280	267	272	282	289	296	303	308	310	308	296
17	303	301	298	295	291	299	303	304	305	306	305	301	303	289	283	269	279	282	290	301	302	303	303	303	297
18	293	270	278	296	288	293	293	294	296	298	294	296	282	272	276	272	275	282	286	296	300	339	306	285	290
19 D	288	280	270	280	265	231	155	178	118	260	291	288	278	257	264	252	273	288	280	293	296	298	291	299	261
20	295	288	296	285	298	296	282	275	295	293	295	288	288	273	270	272	282	290	295	296	290	305	294	291	289
21	286	288	288	287	288	289	279	283	286	282	287	288	279	266	258	258	267	280	290	292	300	307	306	302	285
22 Q	297	297	295	292	290	300	299	287	290	292	295	295	287	278	260	261	264	279	296	307	304	312	295	297	290
23 Q	297	296	297	292	295	297	296	297	297	297	292	287	288	283	269	268	283	295	303	305	304	302	304	302	294
24 D	302	307	310	305	307	312	316	325	307	271	246	252	235	210	219	252	256	268	314	341	394	378	342	291	294
25 D	292	289	227	203	251	151	159	242	274	236	251	272	264	253	249	227	253	267	270	298	283	302	293	281	254
26	281	295	289	276	287	280	271	281	279	239	281	287	275	266	264	269	281	289	297	302	310	304	287	279	282
27 Q	271	276	279	279	283	282	281	282	281	272	272	276	276	271	254	256	272	287	294	302	302	302	297	290	281
28	287	293	292	274	258	274	288	290	293	282	279	293	286	266	249	232	251	269	283	318	330	354	324	297	286
29	320	270	269	261	269	271	270	274	266	269	274	273	265	264	256	250	256	264	269	279	284	284	285	292	272
30 Q	287	287	287	284	279	279	283	287	287	284	289	288	279	270	263	291	297	323	305	294	300	303	300	299	289
31																									
Mean	291	289	286	283	284	280	278	282	283	283	285	285	280	271	263	261	269	278	286	295	301	305	298	293	284

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7° W + ...'

April 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	33.7	35.3	33.8	30.0	33.1	33.7	33.2	32.8	32.4	32.0	31.8	30.8	30.5	29.6	31.0	33.3	36.5	39.6	39.9	38.7	36.8	33.7	29.9	32.7	33.5	
2	30.4	29.9	31.8	30.8	29.7	31.3	30.9	35.0	33.1	29.5	28.7	28.0	28.3	30.1	31.5	33.3	34.6	36.3	38.0	38.2	39.5	38.7	36.7	36.6	32.9	
3	34.1	33.6	30.6	20.9	29.3	35.7	32.8	31.4	29.5	30.0	26.8	27.2	28.7	28.1	30.5	35.7	40.8	39.5	38.4	40.0	40.2	39.3	36.8	34.9	33.1	
4	34.9	32.9	28.7	30.9	32.8	31.8	30.4	30.4	30.5	31.8	32.3	30.8	29.4	27.7	27.1	30.6	34.0	36.8	39.0	39.3	38.3	37.2	35.4	33.6	32.8	
5	32.8	32.7	32.8	32.8	31.8	29.1	28.8	30.2	30.5	31.2	30.4	28.6	27.4	27.1	28.4	31.8	35.1	38.7	39.6	38.2	36.8	35.7	34.9	33.1	32.4	
6	33.7	32.0	30.5	32.2	32.7	36.9	27.0	26.9	27.6	28.7	27.3	25.8	24.6	25.5	28.2	33.8	38.1	38.7	38.7	37.5	35.9	35.7	36.3	34.1	32.0	
7 D	33.1	32.3	32.3	30.5	31.9	31.5	31.1	30.8	29.3	28.9	33.5	36.2	27.8	25.5	26.4	32.0	33.8	36.0	36.9	37.7	36.9	39.5	37.3	34.9	32.8	
8	29.5	32.8	32.6	31.5	30.9	30.8	31.8	30.9	29.5	30.4	30.9	28.7	29.3	29.0	30.6	34.0	37.8	39.5	38.9	38.1	37.4	35.8	35.6	34.5	32.9	
9	31.4	31.8	31.8	29.5	32.8	23.7	28.2	29.0	30.0	31.4	27.5	26.8	26.8	29.5	33.7	35.2	36.8	36.5	36.9	35.8	34.2	33.8	33.1	32.8	31.7	
10 D	32.3	32.8	31.9	24.8	30.9	33.8	36.6	44.9	28.2	26.9	28.7	28.3	27.7	26.6	29.1	36.2	41.9	42.4	43.3	40.6	37.4	34.1	35.5	33.7	33.7	
11	29.6	25.5	30.5	30.6	32.3	33.2	35.9	48.3	27.0	36.0	30.1	26.8	26.9	28.8	29.7	33.7	35.3	37.4	39.8	38.2	37.4	36.2	34.6	33.1	33.2	
12	32.9	29.0	22.7	30.0	27.2	44.1	29.6	28.1	31.9	30.1	30.1	30.5	33.2	29.6	30.4	34.1	37.0	38.8	39.2	38.7	36.9	34.3	32.9	31.9	32.7	
13	31.9	25.6	28.3	30.9	30.5	31.9	32.9	32.4	31.0	30.5	30.6	29.6	28.6	28.5	30.6	35.6	37.0	37.9	40.0	40.1	38.2	36.0	33.8	31.5	32.7	
14 Q	30.0	31.6	32.8	32.8	32.0	30.6	33.0	32.5	30.5	30.6	30.1	28.7	27.9	27.3	27.3	30.6	33.2	37.3	38.8	38.7	37.5	36.4	34.1	32.9	32.4	
15	32.9	32.8	32.4	32.7	32.4	32.1	31.4	31.0	30.1	29.4	28.8	27.8	26.0	25.7	29.0	29.8	33.9	36.6	39.4	40.6	40.5	38.2	34.9	33.0	32.6	
16	30.1	31.0	31.3	31.9	31.9	32.3	31.8	31.0	30.5	30.9	28.9	40.2	30.5	26.5	27.9	29.6	32.9	36.0	37.9	38.0	36.8	35.6	33.3	31.4	32.4	
17	31.6	31.5	31.8	31.4	28.3	31.7	31.9	31.4	30.6	31.5	31.8	30.1	28.5	24.5	26.2	30.7	33.9	37.4	40.0	38.9	37.2	34.8	33.0	31.7	32.0	
18	28.2	20.0	30.1	31.9	31.5	31.1	32.1	32.8	32.9	31.2	29.7	28.7	32.9	34.6	33.9	34.9	37.9	37.5	37.0	36.5	36.4	34.1	29.3	32.4	32.4	
19 D	31.5	31.2	25.1	28.8	26.9	56.5	28.5	12.6	46.6	28.3	28.9	28.0	26.7	30.8	37.2	37.6	39.7	35.7	40.6	36.9	36.7	34.7	32.4	32.3	33.0	
20	31.5	26.0	30.4	31.9	34.0	33.1	37.0	38.5	34.5	25.9	26.4	26.6	27.8	28.0	32.1	34.9	37.8	37.9	37.9	37.4	36.7	35.0	32.9	31.9	32.8	
21	28.9	27.3	27.4	27.9	29.1	29.1	27.4	29.8	29.2	29.8	28.4	27.8	25.9	28.5	29.6	34.2	36.5	38.2	38.5	39.1	36.4	35.1	33.3	32.5	31.2	
22 Q	31.9	31.9	31.6	31.5	30.1	32.9	33.1	30.4	29.4	28.3	27.2	26.3	25.9	27.4	29.9	35.1	37.5	39.0	39.6	38.3	36.3	33.7	32.8	31.6	32.1	
23 Q	31.9	31.9	31.9	32.3	32.2	31.4	30.9	30.3	30.0	30.0	31.0	31.6	30.9	28.3	29.4	34.9	37.4	38.2	38.8	37.5	36.5	35.0	33.2	32.4	32.9	
24 D	32.7	32.9	32.8	32.8	32.0	31.2	30.0	25.8	30.7	34.9	14.5	15.5	21.9	28.7	52.8	48.2	48.0	44.1	39.2	39.7	32.6	30.6	32.8	34.2	33.3	
25 D	33.9	26.5	27.6	42.0	32.4	42.6	32.4	44.2	33.8	38.2	40.0	27.5	25.9	26.0	29.4	34.9	34.3	37.3	39.6	36.4	38.2	35.1	30.6	33.4	34.3	
26	28.5	29.8	27.3	30.3	36.5	32.1	30.9	33.7	32.8	44.1	30.6	27.5	28.5	29.4	31.8	35.0	37.5	40.0	40.0	37.4	35.3	33.2	33.0	32.5	33.2	
27 Q	32.5	32.0	32.0	32.4	32.5	33.0	33.0	34.6	33.3	31.1	32.1	29.6	28.5	29.2	32.4	36.5	38.8	41.0	41.6	40.6	38.0	36.6	35.4	34.2	34.2	
28	32.2	30.9	29.9	27.7	26.0	31.2	33.3	32.0	34.6	36.6	32.9	30.5	30.1	30.0	32.3	32.6	36.5	37.8	41.0	41.1	43.1	38.5	37.0	38.3	34.0	
29	32.1	31.0	26.9	28.3	33.3	34.6	32.9	32.5	33.3	31.4	29.1	28.2	27.8	28.3	30.1	32.0	32.7	34.2	36.5	37.2	36.4	35.5	34.7	33.2	32.2	
30 Q	32.8	31.0	33.2	32.9	32.9	31.9	32.4	33.3	32.3	31.4	30.1	28.8	28.2	29.0	31.5	36.0	38.1	38.7	39.2	37.3	36.3	34.6	33.7	32.8	33.2	
31																										
Mean	31.8	30.5	30.4	30.8	31.3	33.5	31.7	32.3	31.5	31.4	29.6	28.7	28.1	28.3	31.0	34.2	36.8	38.2	39.1	38.4	37.2	35.6	34.0	33.3	32.8	

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

Table 15 Agincourt

Z = 56,000 γ +

April 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	515	509	503	500	499	497	498	497	499	499	499	497	492	486	487	488	492	497	500	504	509	512	516	514	514	500
2	508	500	515	511	506	500	494	481	469	481	492	494	494	489	490	488	483	483	485	492	499	506	511	512	495	
3	506	503	509	476	494	480	486	491	486	482	488	492	491	483	479	479	477	477	484	493	500	506	509	511	491	
4	503	504	492	495	493	479	474	487	493	490	492	492	488	489	488	483	485	485	491	494	497	497	497	497	497	491
5	493	491	488	489	490	484	489	492	494	492	490	491	490	489	488	486	487	492	494	497	502	503	507	509	493	
6	504	503	505	509	500	456	474	487	492	494	495	494	493	487	485	481	481	480	476	487	494	497	497	497	497	490
7 D	494	493	493	488	491	491	491	487	488	487	475	466	465	470	474	480	480	482	485	491	500	512	529	578	492	
8	530	506	497	497	485	491	486	484	485	488	493	493	495	496	494	490	488	488	488	490	493	497	497	503	494	
9	507	501	495	457	442	466	471	478	478	478	483	488	489	482	486	480	480	484	489	494	496	494	495	492	484	
10 D	492	489	489	486	477	470	432	377	435	474	482	485	485	484	478	481	492	495	496	501	496	510	528	516	481	
11	506	483	469	478	453	457	442	400	417	436	472	483	486	481	481	476	476	475	478	487	498	498	496	495	472	
12	492	487	458	439	439	373	445	464	480	481	487	477	475	474	469	468	470	475	483	489	489	493	493	495	471	
13	491	493	486	485	483	488	486	487	486	489	489	488	491	489	488	487	487	487	489	495	498	498	498	495	490	
14 Q	494	488	486	484	480	470	474	472	478	480	483	484	485	484	480	478	480	481	482	486	487	489	489	488	482	
15	486	487	487	487	486	484	484	483	481	482	482	482	481	478	480	478	483	480	476	476	480	482	487	484	482	
16	487	501	495	487	483	484	484	484	481	477	477	456	457	469	475	471	471	476	477	480	484	488	489	487	480	
17	485	485	483	481	481	481	486	485	484	483	480	477	483	485	484	478	480	476	483	485	493	492	493	484	484	
18	498	496	494	481	483	487	487	486	484	487	489	489	484	477	480	484	489	489	489	495	498	518	549	510	493	
19 D	502	502	502	499	458	298	367	315	241	428	464	466	477	485	490	487	489	487	491	505	507	508	506	501	488	
20	496	490	478	489	478	487	481	437	453	477	488	485	485	482	482	486	490	492	496	501	505	511	512	518	487	
21	508	494	484	479	485	466	469	484	489	490	495	493	490	487	486	476	475	475	485	491	499	499	495	490	487	
22 Q	489	490	489	487	482	465	452	472	486	490	490	489	482	482	482	484	485	479	483	492	497	502	497	493	485	
23 Q	490	487	488	488	487	487	489	488	488	488	485	481	477	479	476	473	469	475	483	484	485	488	490	487	484	
24 D	485	483	483	483	485	485	482	473	440	256	284	414	455	458	463	473	490	528	614	581	632	614	563	564	487	
25 D	526	440	467	399	418	349	327	407	452	443	446	472	476	479	483	482	499	496	499	519	514	523	517	508	464	
26	504	474	477	482	428	441	459	462	456	409	462	480	479	480	482	483	491	495	491	489	497	506	515	522	477	
27 Q	512	499	493	494	489	491	491	489	490	493	493	491	490	486	486	483	482	491	494	497	500	500	500	491	493	
28	494	491	486	467	456	476	480	479	482	459	444	441	456	469	473	476	488	497	509	524	562	590	574	544	492	
29	586	542	542	535	515	501	495	456	459	480	500	503	505	506	503	496	496	497	503	501	505	506	506	506	506	
30 Q	501	503	500	500	503	502	497	495	494	496	497	495	495	494	491	491	490	491	495	502	497	500	498	497	497	
31																										
Mean	503	494	491	484	478	466	468	466	468	470	476	481	483	482	482	481	484	487	493	497	504	508	508	506	486	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt

April 1941

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range
	15,000 γ +		15,000 γ +			7° w +		7° w +			56,000 γ +		56,000 γ +		
h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ	
1	21 09	295	16 05	236	59	18 15	40.4	03 15	25.4	15.0	22 09	517	14 15	486	31
2	23 08	302	14 00	245	57	20 55	40.5	00 40	22.7	17.8	03 00	516	08 08	462	54
3	22 18	307	15 00	239	68	16 33	42.0	02 58	6.9	35.1	02 47	522	05 39	470	52
4	23 20	300	15 45	255	45	19 00	40.2	02 45	23.8	16.4	01 53	509	05 30	473	36
5	01 43	295	16 01	246	49	18 40	40.2	06 13	24.7	15.5	22 40	509	06 07	475	34
6	20 55	307	14 34	254	53	05 09	42.7	12 45	24.4	18.3	03 30	510	06 04	450	60
7 D	20 34	316	14 48	260	56	21 05	40.4	13 34	24.5	15.9	23 55	624	12 00	459	165
8	21 52	315	16 10	251	64	18 00	40.2	00 10	21.7	18.5	00 01	593	06 52	480	113
9	04 07	316	14 20	239	77	04 20	39.2	05 25	21.8	17.4	00 11	511	03 53	414	97
10 D	21 30	327	16 10	199	128	07 05	55.5	03 37	18.5	37.0	23 02	534	07 37	358	176
11	20 12	321	16 00	250	71	07 20	53.9	02 05	19.4	34.5	00 04	510	07 22	366	144
12	03 12	315	05 53	227	88	05 39	59.7	02 08	12.8	46.9	00 22	494	05 36	348	146
13	20 45	308	14 24	262	46	19 05	41.5	01 20	20.1	21.4	21 10	500	04 05	478	22
14 Q	04 28	305	15 45	253	52	19 05	40.0	14 08	26.6	13.4	00 05	494	07 00	464	30
15	22 15	344	15 36	273	71	20 10	41.4	13 33	23.8	17.6	22 13	500	18 40	472	28
16	00 20	320	15 45	257	63	11 20	43.0	13 40	25.8	17.2	01 36	511	11 35	445	66
17	10 15	308	15 54	260	48	17 55	40.3	14 25	22.3	18.0	23 59	501	11 19	471	30
18	21 14	354	01 38	262	92	22 11	40.5	01 15	11.2	29.3	22 25	595	13 17	474	121
19 D	21 15	314	08 06	-002	316	08 17	64.6	07 45	3.9	60.7	21 18	512	08 10	173	339
20	22 35	335	13 51	249	86	07 05	43.1	01 37	20.8	22.3	23 33	523	07 22	418	105
21	22 07	311	14 35	254	57	19 34	40.3	12 38	25.2	15.1	00 01	515	05 13	460	55
22 Q	21 35	323	14 50	251	72	17 55	41.0	12 45	25.8	15.2	21 39	511	06 38	446	65
23 Q	22 50	310	15 04	261	49	18 23	39.6	13 40	27.2	12.4	22 17	490	17 00	471	19
24 D	20 32	474	14 02	172	302	15 03	64.4	11 00	5.7	58.7	20 33	700	09 38	212	488
25 D	21 21	319	05 20	072	247	03 42	61.3	01 12	-7.0	68.3	00 34	654	05 11	281	373
26	20 45	315	09 40	210	105	09 38	57.4	01 25	21.6	35.8	23 15	524	09 38	349	175
27 Q	21 39	304	14 42	246	58	18 32	42.3	12 27	28.0	14.3	00 05	520	16 15	478	42
28	21 40	375	15 47	215	160	20 10	47.9	04 08	24.4	23.5	21 35	598	11 07	437	161
29	00 40	341	01 27	246	95	19 12	37.8	00 55	10.3	27.5	00 44	700	07 33	437	263
30 Q	22 30	305	14 22	261	44	18 15	39.7	12 45	27.4	12.3	00 01	504	14 50	488	16
31															
Mean		323		230	93		45.4		19.7	25.7		540		423	117
No. days		30		30	30		30		30	30		30		30	30

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

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

Table 17 Agincourt

H = 15,000 γ +

May 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	298	294	296	293	293	294	293	292	292	291	288	294	292	282	268	281	291	292	304	298	316	305	293	294	293	
2 Q	294	299	289	286	273	273	278	278	281	286	282	279	278	270	262	273	277	290	306	314	303	308	306	294	287	
3 Q	298	301	301	297	286	284	291	293	294	293	292	293	285	278	277	273	284	296	301	298	299	297	295	299	292	
4	298	300	297	306	301	280	283	247	280	298	294	294	297	286	270	263	274	283	296	304	305	296	304	299	290	
5 Q	289	293	294	296	296	299	303	299	294	303	300	296	294	285	285	296	311	320	317	315	312	306	303	300	300	
6	301	296	302	303	306	309	306	304	300	306	304	294	294	295	288	294	302	306	311	312	312	311	311	308	303	
7	303	298	286	273	258	275	278	291	299	299	301	298	296	289	283	281	293	296	306	304	304	306	309	309	293	
8	309	309	309	308	306	306	308	309	309	314	312	312	306	301	281	284	289	301	314	328	318	291	291	306	305	
9	314	306	303	286	278	278	280	286	286	289	299	296	278	268	272	280	285	298	309	319	314	324	324	314	295	
10	283	286	286	291	306	313	303	309	310	306	301	299	281	278	271	275	281	299	311	319	321	322	319	314	299	
11	301	291	300	300	302	300	303	302	297	290	289	292	287	288	276	263	262	271	288	304	313	312	311	305	293	
12	300	300	297	300	310	300	298	302	306	310	314	316	314	305	296	287	293	295	309	320	324	325	315	303	303	
13	308	287	295	293	312	308	300	308	308	313	308	300	300	297	293	289	288	297	298	310	308	303	300	300	301	
14	302	305	307	307	306	305	305	305	304	305	302	300	303	291	287	274	284	299	315	323	319	316	318	313	304	
15	280	287	297	300	303	305	303	300	305	305	302	302	295	285	278	280	293	317	323	323	321	305	313	327	302	
16	315	284	293	298	295	296	306	308	302	305	293	286	303	275	251	270	282	295	299	311	318	319	314	308	297	
17 D	305	308	310	305	285	283	118	188	189	237	221	258	274	252	267	287	295	299	298	300	296	308	310	305	271	
18	299	293	297	294	298	293	297	301	298	298	301	300	295	287	281	276	290	295	310	303	295	295	303	303	296	
19 Q	298	292	300	293	288	293	292	295	295	298	300	295	284	275	264	252	267	276	289	295	296	293	294	300	289	
20 Q	297	297	294	295	294	295	298	302	300	301	305	305	298	287	279	277	287	303	313	318	317	318	320	315	301	
21 D	307	307	308	308	312	305	292	272	280	287	297	300	300	287	272	271	279	291	313	334	338	322	344	301	301	
22 D	294	292	262	250	230	262	282	283	280	282	274	267	259	255	274	264	273	284	300	305	315	305	297	312	279	
23 D	295	293	287	275	269	282	293	285	269	270	285	290	262	278	267	271	273	279	287	315	329	348	342	324	290	
24 D	291	272	270	272	262	232	220	232	276	286	277	276	272	269	262	263	261	280	300	313	317	326	305	310	277	
25	303	288	290	286	279	292	295	294	285	295	290	274	259	259	264	268	275	297	308	313	331	333	318	292	291	
26	292	295	290	290	297	295	300	288	285	295	289	274	279	279	268	264	268	279	303	310	315	331	324	308	292	
27	292	295	296	298	302	295	295	295	295	292	290	292	288	280	282	284	292	300	315	325	331	312	300	310	298	
28	300	302	297	303	296	297	298	295	285	290	293	295	282	287	282	275	280	300	314	326	328	338	336	316	301	
29	299	295	298	285	273	270	285	267	297	298	301	295	282	285	287	275	280	285	297	308	313	310	305	296	291	
30	304	295	298	301	301	305	307	307	310	313	308	310	307	300	301	310	318	318	323	319	312	315	320	318	309	
31	313	282	275	283	294	302	304	293	297	301	305	308	299	282	268	277	300	311	312	310	315	321	315	313	299	
Mean	299	295	294	292	290	291	287	288	290	295	294	293	288	281	276	276	284	295	306	313	315	313	312	307	295	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt

D = 7° W + ...'

May 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	32.5	32.5	32.2	31.8	31.8	31.8	32.2	32.3	31.6	30.8	29.6	28.8	26.6	28.2	30.2	31.2	31.7	38.1	40.8	40.9	38.7	38.1	35.0	34.4	32.9
2 Q	33.2	33.1	33.1	33.5	30.5	30.5	31.3	31.9	29.1	29.0	28.5	27.0	27.1	28.7	32.0	36.3	37.4	38.2	37.8	36.9	36.9	37.8	38.4	37.8	33.1
3 Q	35.5	33.5	32.8	31.8	30.0	33.1	34.5	30.0	30.0	30.0	30.2	29.0	28.5	30.0	32.8	34.5	36.2	37.2	37.7	38.4	37.1	35.7	34.4	33.3	33.1
4	32.6	32.4	33.1	28.4	28.9	24.2	24.6	21.1	21.9	21.7	24.1	26.4	22.5	25.0	30.3	34.3	35.1	36.9	36.9	34.5	34.0	32.3	31.0	32.8	29.4
5 Q	32.7	28.7	32.6	32.9	31.8	30.6	30.2	29.4	30.5	30.2	27.2	26.9	27.8	28.4	31.1	34.8	36.4	35.9	35.5	34.9	34.1	33.7	33.4	32.9	31.8
6	32.0	31.3	31.3	31.4	31.8	32.0	31.4	31.4	28.2	27.8	26.9	31.8	32.0	30.8	32.8	34.4	35.3	35.3	35.8	35.9	33.6	32.9	32.7	32.7	32.1
7	32.7	31.8	30.5	28.4	22.3	24.6	25.4	26.8	28.4	29.1	28.1	27.3	26.8	27.7	30.2	31.8	32.9	33.8	35.3	35.7	35.5	33.8	32.8	32.8	30.2
8	32.3	32.1	32.2	32.1	32.1	32.0	30.8	30.0	30.0	29.1	30.1	31.8	25.8	24.7	29.2	33.3	37.2	39.5	40.9	39.6	39.9	41.0	36.9	34.0	33.2
9	33.2	32.3	31.7	28.2	27.3	29.9	23.6	25.8	31.4	30.8	28.4	24.8	26.0	28.1	29.4	31.6	33.8	36.6	36.8	36.6	37.3	34.9	32.3	32.1	30.9
10	23.6	23.4	29.1	28.6	29.5	29.6	32.6	29.5	28.1	27.7	26.6	26.1	26.3	26.9	29.0	31.9	35.1	37.7	40.0	38.7	38.0	36.3	33.6	31.8	30.8
11	30.6	26.8	30.5	31.8	31.8	33.1	32.2	31.2	30.4	30.4	28.7	27.0	28.1	26.6	26.9	30.6	33.7	36.0	37.8	37.3	35.9	34.0	32.2	31.7	31.5
12	29.6	27.8	30.0	31.2	30.6	30.4	31.0	30.3	29.4	28.8	27.1	24.0	24.1	24.1	26.8	29.7	34.2	36.9	37.7	37.7	36.4	35.0	34.2	32.7	30.8
13	31.8	26.8	29.9	28.6	28.1	27.7	24.6	25.8	30.9	28.7	25.0	22.7	23.2	25.4	25.9	30.2	32.8	35.8	39.1	37.4	35.9	35.9	34.9	33.1	30.0
14	32.0	31.7	31.8	31.8	31.5	30.5	30.4	30.4	30.4	29.6	29.6	29.5	27.2	26.4	26.8	29.9	33.8	36.7	37.6	36.4	34.9	32.9	32.7	31.3	31.5
15	28.7	31.1	31.6	31.3	30.5	29.9	30.0	28.7	29.5	29.0	29.5	26.4	24.8	24.6	26.7	30.4	33.1	34.9	35.9	35.0	34.3	34.0	33.5	32.6	30.7
16	34.8	32.0	32.2	30.4	26.4	28.6	30.4	31.1	27.6	26.8	26.7	31.1	28.4	25.8	31.1	33.4	36.3	35.0	38.2	38.4	35.9	33.1	32.4	31.9	31.6
17 D	31.5	31.4	31.1	29.3	22.0	28.4	44.1	35.7	39.3	31.3	41.0	37.1	29.5	30.9	31.8	31.3	33.1	35.4	37.0	36.6	36.6	33.6	29.8	31.8	33.3
18	32.0	30.0	29.6	25.0	27.3	29.5	30.8	31.1	31.3	30.9	28.1	26.7	25.7	25.9	28.7	34.3	36.8	37.9	37.2	37.8	36.7	35.5	30.4	31.3	31.3
19 Q	31.8	32.0	26.6	31.3	30.8	31.2	32.3	32.2	31.6	31.1	29.5	27.2	26.8	28.0	30.6	34.5	36.8	38.4	38.2	37.1	35.5	34.0	32.8	31.8	32.2
20 Q	31.8	31.3	31.1	31.7	32.2	32.0	31.8	31.5	31.3	29.6	28.5	26.8	25.5	27.1	30.8	34.9	37.3	38.1	38.5	37.7	35.9	33.2	31.6	31.4	32.1
21 D	30.8	31.8	33.1	29.6	30.9	30.4	27.7	24.7	26.8	24.7	24.6	22.4	21.4	21.3	24.1	32.2	36.6	41.1	44.0	41.3	39.4	38.9	36.8	35.4	31.2
22 D	31.9	22.3	31.7	22.9	24.5	22.8	28.2	31.6	32.3	37.8	35.4	27.8	30.2	31.6	32.9	32.0	37.2	35.9	36.4	37.7	37.7	34.9	34.1	32.2	31.8
23 D	32.3	27.8	29.6	27.8	32.0	29.5	31.4	26.8	32.9	36.9	23.2	22.9	22.3	26.6	27.8	32.9	34.0	36.7	36.7	35.0	35.3	29.3	31.3	26.3	30.3
24 D	31.8	30.8	30.5	31.0	27.5	27.5	20.0	16.6	26.9	34.8	33.2	29.5	34.1	33.4	29.0	30.9	34.5	33.2	33.1	32.3	31.3	29.1	32.8	32.8	30.3
25	32.3	26.6	30.5	30.0	30.0	33.2	31.3	31.3	33.1	36.6	27.8	25.8	25.6	29.0	32.8	33.7	34.1	37.2	37.6	35.4	33.6	32.0	28.4	32.3	31.7
26	30.6	27.7	32.9	32.6	31.4	32.9	32.3	32.0	30.3	29.9	28.6	28.5	28.7	26.3	28.4	32.9	33.8	37.5	39.3	39.2	35.9	33.2	30.5	29.1	31.8
27	32.3	33.1	33.1	32.2	31.8	31.4	31.8	35.0	31.8	28.8	29.6	25.7	25.9	28.6	28.2	31.5	32.2	34.9	37.0	36.5	34.4	34.9	33.8	32.8	31.9
28	33.7	33.9	32.1	31.0	33.7	30.9	36.2	32.1	27.1	25.8	25.2	24.5	26.3	26.3	26.4	30.8	35.4	38.2	39.1	39.3	39.2	38.4	32.7	31.8	32.1
29	33.6	28.7	32.3	31.2	24.9	23.6	26.4	31.3	31.7	26.3	26.4	26.3	25.9	25.7	25.9	28.2	32.7	35.9	37.2	35.9	35.2	34.0	34.2	33.6	30.3
30	31.7	32.8	32.9	32.7	31.8	31.8	32.1	31.8	30.6	29.0	26.2	24.6	24.1	24.8	27.8	32.0	34.4	37.8	39.9	37.8	36.9	33.5	32.3	31.0	31.7
31	30.4	26.0	26.3	27.5	30.7	30.5	29.4	27.8	28.5	26.8	24.7	23.7	24.5	24.5	28.8	35.9	37.8	37.3	40.2	41.4	38.4	35.6	33.7	32.8	30.9
Mean	31.8	30.1	31.2	30.2	29.6	29.8	30.4	29.6	30.1	29.7	28.3	27.1	26.5	27.1	29.2	32.5	34.9	36.8	37.9	37.3	36.1	34.6	33.1	32.4	31.5

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

Table 19 Agincourt

z = 56,000 γ +

May 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	493	492	491	491	489	490	489	489	489	490	490	489	486	488	483	483	483	489	497	508	526	536	527	512	496
2 Q	507	497	505	504	506	507	500	497	495	497	498	494	489	483	480	480	484	488	491	499	506	509	513	512	497
3 Q	507	500	501	503	503	498	489	491	493	493	490	488	488	486	484	482	480	487	490	490	493	497	496	496	493
4	495	495	498	483	479	475	415	441	477	490	480	480	482	482	484	486	489	489	491	494	495	500	501	483	
5 Q	494	491	489	489	489	483	480	480	484	486	486	483	483	486	488	491	490	490	490	491	492	490	488	491	487
6	491	490	489	490	490	479	477	472	470	470	476	467	450	460	468	473	478	483	489	491	494	495	491	491	480
7	490	491	492	494	461	454	477	481	491	496	494	492	487	483	481	475	474	479	484	484	488	490	489	489	484
8	486	487	485	485	484	485	484	484	485	487	481	469	463	465	461	463	466	477	483	495	504	506	499	492	483
9	489	487	487	489	469	451	439	462	477	481	490	486	485	484	485	483	481	478	477	484	491	497	497	500	481
10	508	497	501	490	480	470	464	479	483	487	487	489	485	484	480	475	472	473	481	481	487	492	496	495	485
11	496	495	487	490	487	481	481	483	483	481	480	484	480	482	487	484	483	477	486	490	492	495	495	492	486
12	491	492	485	487	479	475	477	477	477	479	481	481	481	478	475	478	466	459	464	472	484	489	496	498	480
13	501	506	489	490	467	460	457	465	465	472	474	475	475	475	478	471	471	472	468	472	478	484	487	484	477
14	484	484	483	483	481	481	480	481	481	484	485	484	481	484	480	477	474	474	481	487	490	490	491	501	483
15	508	501	496	489	487	485	483	483	484	484	483	480	479	475	474	468	474	477	483	486	490	487	489	494	485
16	504	514	498	492	483	484	481	433	466	477	479	463	452	462	470	470	472	477	481	480	484	488	489	488	478
17 D	487	489	487	485	431	342	241	294	290	366	408	425	448	455	468	474	487	487	488	496	494	507	510	498	440
18	493	494	489	474	460	477	480	484	484	486	487	484	480	480	481	483	478	475	481	490	501	506	513	504	486
19 Q	498	496	478	473	484	484	482	487	490	491	490	488	485	487	485	484	484	486	486	486	490	491	491	489	487
20 Q	488	486	485	482	481	481	481	480	479	484	485	484	481	478	478	474	473	745	478	475	492	493	497	493	483
21 D	497	496	490	484	476	478	470	468	475	480	490	490	485	485	480	476	467	475	478	480	493	509	558	570	489
22 D	561	474	505	434	441	473	498	499	478	463	465	471	482	485	491	479	475	478	487	498	530	538	511	507	488
23 D	504	502	492	488	465	475	449	460	458	426	462	479	475	482	484	479	479	485	505	517	529	567	538	526	488
24 D	514	524	518	502	473	397	418	407	443	469	478	471	472	472	478	473	478	488	505	511	532	549	525	524	484
25	517	496	484	490	460	463	478	484	467	461	476	478	478	481	475	475	481	493	512	521	527	534	525	505	490
26	505	494	492	491	488	485	471	446	473	488	490	482	485	484	485	481	482	482	493	497	499	509	521	511	489
27	503	498	494	491	481	477	483	476	479	485	486	486	486	485	482	480	477	477	483	489	495	498	498	503	487
28	500	499	497	494	492	476	449	444	452	467	487	491	493	494	489	482	481	485	487	494	498	506	527	526	488
29	524	521	503	491	453	467	475	452	434	480	498	497	494	494	493	492	491	487	486	485	493	501	510	512	489
30	512	506	506	497	491	491	489	487	487	491	492	491	490	486	480	477	480	483	485	487	489	491	492	494	490
31	500	497	492	501	500	488	462	483	491	489	489	487	485	485	483	485	483	484	486	492	487	494	494	491	489
Mean	502	497	493	488	478	471	464	466	470	477	482	481	480	480	480	478	478	481	486	491	498	504	505	503	485

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Agincourt

May 1941

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range γ	Maximum 7° W +			Minimum 7° W +			Range γ	Maximum 56,000 γ +			Minimum 56,000 γ +			Range γ
	h.	m.	γ	h.	m.	γ		h.	m.	'	h.	m.	'		h.	m.	γ	h.	m.	γ	
1	20	55	329	14	25	260	69	19	15	42.6	12	25	25.4	17.2	21	20	542	15	00	478	64
2 Q	20	02	314	14	07	255	59	17	40	39.4	12	32	26.3	13.1	22	43	516	15	45	478	38
3 Q	18	24	309	14	50	271	38	06	18	40.0	05	00	27.5	12.5	00	07	511	16	15	479	32
4	06	04	338	06	58	232	106	17	57	38.5	07	04	14.6	23.9	22	20	500	06	10	392	108
5 Q	18	22	322	00	55	275	47	16	40	37.0	01	18	25.1	11.9	01	05	497	05	35	478	19
6	19	22	324	14	30	282	42	18	56	37.6	11	15	24.9	12.7	21	00	496	12	22	443	53
7	21	57	313	04	40	246	67	20	00	35.9	05	00	15.4	20.5	03	02	498	05	07	445	53
8	19	10	336	15	02	268	68	21	38	43.0	13	15	23.6	19.4	20	55	510	15	00	458	52
9	22	24	339	13	50	262	77	05	50	39.1	05	22	18.6	20.5	23	59	508	06	35	475	33
10	22	10	332	15	00	263	69	18	20	40.6	01	24	15.9	24.7	00	15	510	06	21	457	53
11	21	57	315	16	00	257	58	18	42	38.6	01	22	24.3	14.3	01	15	501	10	13	474	27
12	20	38	362	16	41	285	77	19	27	38.8	11	54	22.9	15.9	23	38	503	17	50	454	49
13	00	15	320	02	03	278	42	18	18	40.1	11	43	19.6	20.5	01	12	510	06	20	450	60
14	19	38	325	15	45	268	57	17	45	38.0	14	11	25.2	12.8	23	59	509	16	57	469	40
15	23	27	337	00	37	269	68	19	00	36.4	13	05	23.8	12.6	00	11	510	16	15	465	45
16	00	30	336	14	43	240	96	18	48	39.7	13	42	24.0	15.7	01	10	530	07	30	414	116
17 D	22	54	314	06	45	037	277	06	47	70.5	05	00	-1.6	72.1	22	55	513	06	55	144	369
18	18	25	312	15	10	268	44	20	00	38.9	03	54	15.0	23.9	22	27	516	04	15	448	68
19 Q	03	00	311	15	20	250	61	18	04	39.0	02	45	22.3	16.7	00	20	502	03	03	463	39
20 Q	22	53	325	14	50	273	52	18	02	39.5	12	25	24.7	14.8	22	50	504	17	05	467	37
21 D	21	05	374	07	35	264	110	18	54	47.1	13	07	20.2	26.9	23	04	585	07	00	457	128
22 D	21	05	349	03	10	200	149	09	53	43.1	01	04	-0.2	43.3	01	05	589	03	30	375	214
23 D	21	50	383	12	58	250	133	08	58	45.9	21	54	13.6	32.3	21	48	603	09	05	419	184
24 D	21	18	339	07	37	209	130	05	12	37.2	07	42	5.6	31.6	21	06	555	05	04	385	170
25	22	02	353	12	35	250	103	09	10	40.9	01	35	9.3	31.6	21	56	555	04	43	435	120
26	22	15	337	16	02	259	78	18	00	40.2	01	22	24.6	15.6	22	45	525	07	15	438	87
27	20	41	333	14	26	275	58	18	22	37.8	11	50	24.5	13.3	00	01	508	05	15	468	40
28	21	55	359	15	45	270	89	19	03	40.4	11	38	24.0	16.4	22	45	532	07	55	434	98
29	19	30	315	07	38	250	65	08	00	42.0	05	20	18.6	23.4	01	15	529	08	02	403	126
30	19	25	335	01	20	285	50	18	10	40.5	12	05	23.6	16.9	00	28	519	14	45	473	46
31	22	50	326	14	40	259	67	19	13	43.3	01	48	21.5	21.8	01	40	509	06	15	450	59
Mean			333		252	81			41.0			19.4	21.6			523			438	85	
No. days			31		31	31			31			31	31			31			31	31	

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

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

Table 21 Agincourt

H = 15,000 γ +

June 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	297	305	311	310	283	277	284	289	292	297	296	296	287	281	279	283	287	291	301	302	301	312	315	317	295
2 Q	313	302	304	304	302	296	301	304	305	307	309	308	302	294	286	284	293	305	312	317	320	320	314	312	304
3 Q	312	315	315	314	310	312	313	312	307	307	307	305	304	296	292	294	300	309	314	314	318	322	320	316	310
4 Q	311	307	306	307	309	307	304	304	302	306	304	306	295	285	278	284	295	307	317	327	330	322	312	312	306
5 Q	319	317	314	308	307	304	292	289	289	291	293	304	307	299	290	290	300	311	321	325	321	317	311	311	306
6	312	307	312	310	308	311	316	315	315	304	301	306	297	296	299	299	308	315	325	335	335	331	323	319	313
7	322	317	320	316	315	315	311	320	318	317	316	316	310	298	283	281	291	295	304	305	309	310	311	314	309
8	312	312	310	308	309	309	311	311	307	307	309	310	302	297	291	286	294	299	311	319	325	322	314	310	308
9	309	314	315	315	319	319	324	327	321	334	325	318	318	304	300	291	294	307	324	327	338	338	316	315	317
10 D	324	316	302	312	313	315	298	254	276	299	285	296	294	294	271	279	287	317	317	327	335	335	327	316	304
11 D	306	315	315	302	302	299	296	292	289	289	291	294	299	291	290	289	297	310	327	335	333	322	304	304	304
12	306	304	299	292	293	294	302	302	302	307	308	304	291	274	278	278	293	304	307	314	315	322	325	317	301
13 D	318	314	309	319	333	329	301	238	223	187	238	279	258	274	289	277	276	268	282	304	329	360	365	343	292
14 D	292	256	226	243	278	258	260	262	277	281	279	275	271	281	274	278	277	281	294	314	306	312	306	310	279
15 D	302	309	310	298	264	275	235	215	208	227	260	266	271	284	273	278	281	283	289	309	311	312	309	307	278
16 Q	302	299	298	294	295	294	299	294	299	299	297	293	290	286	279	282	286	289	292	297	301	302	307	304	295
17	304	304	307	312	312	312	315	307	309	314	302	296	297	302	299	300	289	301	312	325	340	347	361	345	313
18	301	289	296	279	269	281	307	306	294	296	285	279	281	284	285	289	294	304	312	312	312	311	307	302	295
19	302	305	311	314	315	315	317	317	315	316	317	313	306	302	299	307	301	311	331	330	338	319	322	314	315
20	307	297	302	276	287	274	215	246	287	299	280	264	274	276	275	258	268	290	300	317	307	319	325	316	286
21	304	297	301	299	302	302	304	292	294	295	291	289	284	279	271	280	289	309	327	319	323	320	316	315	300
22	301	295	301	304	304	306	313	308	282	286	291	302	302	294	294	288	282	284	304	327	336	331	331	313	303
23	304	300	299	300	302	301	302	304	302	304	307	302	299	295	287	283	298	314	332	332	333	331	313	311	307
24	312	307	312	311	309	306	304	307	306	299	294	301	299	284	276	292	299	307	315	332	324	325	327	302	307
25	304	313	309	304	307	304	302	299	300	300	302	306	297	290	282	277	282	299	324	335	337	334	345	329	308
26	318	297	299	298	293	292	291	290	293	294	296	291	286	288	283	278	288	303	326	352	351	356	332	308	305
27	305	311	309	311	314	292	288	295	319	313	297	291	288	293	296	288	298	303	316	324	329	316	322	314	306
28	319	298	311	308	306	303	306	311	306	304	306	300	291	280	265	269	283	290	318	332	324	326	316	325	304
29	318	310	300	303	309	314	318	316	313	316	308	306	308	293	283	288	298	309	324	330	321	317	311	316	310
30	313	316	313	311	306	310	311	310	308	305	297	298	299	288	285	287	300	319	326	334	339	330	326	325	311
31																									
Mean	309	305	304	303	302	301	298	295	295	297	296	297	294	290	285	285	291	301	314	322	325	326	321	316	303

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt

D = 7° W + ...'

June 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	30.9	30.9	32.1	28.1	23.1	30.0	28.6	33.2	35.7	29.3	27.3	26.4	25.8	26.8	27.3	31.9	33.1	34.6	35.7	36.4	36.2	34.6	33.2	30.9	30.9	
2 Q	32.2	31.8	32.3	31.8	29.9	28.4	30.8	31.7	30.4	29.4	27.3	26.3	25.8	27.0	28.6	32.7	34.0	34.9	34.4	34.1	33.7	33.1	32.8	32.7	31.1	
3 Q	32.0	32.0	32.2	31.8	31.2	30.3	30.9	30.9	30.0	29.6	29.5	25.9	25.8	26.4	28.1	29.8	32.3	33.1	34.9	34.6	33.5	32.3	32.1	32.1	30.9	
4 Q	32.1	32.3	32.7	33.2	32.1	31.8	31.2	30.5	29.6	28.4	27.2	25.1	24.9	25.9	29.0	33.1	35.9	39.6	40.9	38.1	35.9	34.8	32.8	32.7	32.0	
5 Q	32.4	32.3	32.7	32.8	32.4	29.9	27.8	29.4	28.1	26.8	24.9	23.2	23.6	24.6	26.9	33.2	36.8	39.3	39.5	37.5	36.6	35.7	34.5	33.8	31.5	
6	34.2	34.5	33.8	33.6	32.2	31.5	30.8	29.3	29.4	29.3	26.6	24.1	22.3	24.5	30.2	34.9	38.4	39.6	40.2	38.0	36.3	33.8	31.7	32.0	32.1	
7	31.9	32.6	32.8	31.8	31.7	31.8	32.4	33.2	31.8	29.0	25.8	24.4	24.4	25.8	29.0	34.4	35.6	37.3	35.5	35.4	34.0	32.8	31.8	30.8	31.5	
8	31.0	31.9	32.0	32.2	31.2	31.2	31.3	31.0	30.4	30.8	27.3	25.7	24.7	24.6	25.8	31.4	35.6	37.4	37.4	36.1	33.7	32.2	30.8	30.8	31.1	
9	31.8	32.1	31.8	31.8	31.8	30.2	29.8	29.5	28.7	25.6	18.7	20.4	21.9	20.8	24.5	32.7	36.0	39.3	40.9	39.2	37.7	34.3	33.2	32.2	30.6	
10 D	28.2	29.9	31.8	32.0	32.0	30.0	21.4	23.1	24.5	26.8	31.4	24.1	20.9	21.3	24.9	26.8	36.3	43.1	41.4	38.4	36.4	35.0	33.7	32.3	30.2	
11 D	31.4	33.1	32.8	32.8	32.2	31.8	30.5	30.4	28.6	27.3	25.5	24.8	21.4	22.7	25.8	33.7	34.2	38.9	38.7	38.0	36.4	34.1	33.6	32.7	31.7	
12	32.3	32.0	28.1	31.5	34.1	33.1	33.3	31.8	35.4	28.9	26.8	26.3	26.8	30.9	33.7	32.9	36.4	34.6	36.8	38.1	39.6	37.1	33.7	32.3	32.8	
13 D	31.1	32.0	31.8	31.4	30.5	29.0	26.3	34.5	34.5	36.4	46.5	26.8	24.7	26.9	26.0	29.3	32.0	34.9	36.9	36.8	34.7	30.8	27.8	30.8	31.4	
14 D	26.8	26.9	28.7	26.8	26.9	24.5	27.1	35.1	33.6	28.6	26.0	26.5	26.5	27.3	28.9	30.5	33.2	35.0	35.1	34.1	35.0	34.5	35.9	35.0	30.4	
15 D	36.4	34.0	33.6	29.6	37.8	30.8	23.3	28.7	17.1	31.7	27.3	30.8	26.8	26.0	25.1	28.2	29.6	32.9	31.8	33.1	34.8	35.9	34.2	32.7	30.5	
16 Q	32.3	31.8	32.3	32.2	31.4	31.5	30.8	32.3	32.3	30.4	28.8	28.7	28.4	29.2	30.4	32.4	32.7	34.2	35.7	35.6	35.9	35.9	34.5	33.5	32.2	
17	33.1	32.1	30.4	29.5	31.2	30.4	30.0	33.2	38.1	31.2	27.1	26.8	26.8	23.2	28.4	30.5	35.5	40.0	40.0	37.3	32.8	32.8	37.3	36.6	32.3	
18	30.2	30.4	28.1	29.1	25.9	28.7	28.7	27.0	30.5	29.8	28.7	26.3	24.5	24.1	26.8	32.7	37.2	40.0	39.7	39.6	39.6	36.9	35.4	34.0	31.4	
19	33.6	33.1	32.9	32.2	32.0	30.5	31.5	29.4	29.3	28.6	26.9	28.1	26.0	22.7	24.5	29.8	34.6	36.8	40.4	38.6	35.4	33.7	33.2	31.5	31.5	
20	30.0	33.6	30.8	22.7	32.6	27.5	41.3	25.7	26.3	27.1	25.4	26.5	24.5	24.0	26.9	31.5	35.6	37.8	39.9	38.2	37.7	33.7	32.8	25.4	30.8	
21	30.8	28.2	26.4	30.5	29.1	25.8	33.5	33.2	30.5	30.4	29.7	29.2	27.3	27.8	30.5	34.8	38.1	40.0	39.4	40.3	36.9	34.1	32.7	31.8	32.1	
22	30.6	32.7	34.4	34.3	33.1	32.7	31.7	30.2	29.3	31.8	26.4	23.7	22.7	24.5	28.5	31.7	35.1	39.6	39.8	37.3	37.0	35.7	31.3	31.7	31.8	
23	32.9	34.2	30.8	32.4	34.2	33.7	32.6	31.9	31.5	29.3	27.5	25.1	24.6	26.6	29.7	33.4	36.6	36.3	36.5	36.9	35.9	34.5	34.5	33.8	32.3	
24	33.6	33.8	33.2	33.3	32.8	31.9	32.4	31.1	30.8	28.6	30.6	22.9	21.8	21.7	25.5	31.5	33.8	39.5	41.3	40.4	39.4	35.5	32.9	33.8	32.2	
25	33.8	34.0	34.5	33.7	33.7	33.1	32.2	31.2	31.3	30.0	28.6	26.3	24.9	24.9	25.4	28.9	31.9	35.1	36.9	38.4	38.1	36.9	35.7	35.5	32.3	
26	34.0	28.5	31.8	31.7	30.0	29.8	30.8	28.1	28.3	27.9	24.8	23.6	22.7	23.2	25.8	32.3	36.5	39.2	39.7	40.1	39.9	37.4	37.3	37.0	31.8	
27	35.1	33.8	33.2	31.5	34.0	24.8	22.8	39.7	34.6	26.5	23.3	19.8	19.6	20.5	25.5	27.2	29.9	34.1	35.9	36.0	33.8	33.9	33.7	33.8	30.1	
28	32.0	29.1	29.4	33.2	31.6	31.8	31.9	33.7	31.5	36.3	29.9	26.7	24.7	25.6	27.9	33.0	36.5	38.8	40.5	41.0	42.6	38.8	35.9	32.3	33.1	
29	28.3	29.0	31.2	31.9	31.0	31.9	29.9	29.6	30.5	27.8	25.1	22.5	20.3	21.0	22.9	27.4	33.3	37.4	38.3	37.4	36.9	37.4	37.6	36.4	30.7	
30	33.3	32.7	31.8	31.9	31.9	32.4	32.1	31.1	30.1	28.7	27.9	27.8	26.5	25.6	26.9	30.9	35.0	38.7	40.1	38.3	36.5	35.0	33.1	32.1	32.1	
31																										
Mean	31.9	31.8	31.7	31.4	31.5	30.4	30.2	30.9	30.4	29.4	27.7	25.5	24.4	24.8	27.3	31.4	34.7	37.4	38.1	37.4	36.4	34.8	33.7	32.8	31.5	

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

Table 23 Agincourt

z = 56,000 γ +

June 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	492	492	487	479	469	471	483	477	460	482	488	485	482	480	476	469	467	470	476	481	483	487	493	499	480
2 Q	497	497	491	487	482	483	483	484	482	486	486	487	486	483	481	477	479	480	480	486	486	483	486	486	485
3 Q	485	482	481	482	483	482	480	481	480	481	480	481	480	477	476	467	469	473	477	482	486	487	488	486	480
4 Q	487	486	486	483	481	482	483	483	483	483	483	483	481	482	481	478	480	481	477	488	493	490	491	488	484
5 Q	487	484	484	486	484	477	481	481	483	484	485	486	481	477	481	480	478	474	472	481	487	488	490	494	483
6	494	490	488	487	486	483	482	483	483	487	487	481	481	480	475	475	477	480	481	484	486	491	489	487	484
7	484	483	481	481	481	480	477	468	471	481	483	482	482	480	480	475	475	475	477	480	483	483	489	492	480
8	488	484	483	483	483	481	481	481	481	483	487	488	480	480	481	478	480	480	477	478	484	486	487	487	483
9	483	484	482	481	482	481	481	480	478	478	468	473	470	476	477	471	474	477	483	481	484	487	488	490	480
10 D	494	492	491	487	484	468	411	398	433	465	471	478	478	472	469	469	467	470	468	480	488	484	490	484	470
11 D	490	488	485	486	483	483	483	482	482	486	487	483	480	475	478	477	470	467	475	484	498	506	504	493	484
12	488	489	483	482	461	462	472	461	469	478	483	483	482	478	476	470	473	469	482	491	492	492	494	490	479
13 D	490	487	484	488	482	458	422	294	281	245	311	459	481	496	490	484	491	507	525	554	576	599	561	546	467
14 D	514	517	501	502	464	467	469	456	475	492	493	491	491	496	494	490	489	488	481	478	484	493	500	511	489
15 D	513	520	520	507	470	434	394	388	493	324	395	411	433	458	471	475	479	477	482	487	488	489	493	496	458
16 Q	501	500	495	493	487	485	475	482	484	489	490	489	491	489	483	482	482	482	485	488	493	495	494	494	489
17	493	493	491	484	484	483	483	472	459	464	471	479	479	482	481	480	479	479	480	495	529	556	570	595	494
18	583	567	526	460	490	502	496	489	500	500	499	492	489	489	491	491	483	483	489	491	489	488	483	482	498
19	483	483	484	483	483	483	483	482	484	483	483	478	467	473	478	482	483	482	477	473	488	508	518	520	485
20	521	505	497	500	490	444	311	364	429	472	483	477	479	482	478	474	480	489	486	488	492	501	505	527	474
21	513	497	470	479	473	456	447	449	472	484	482	485	483	483	483	480	477	482	491	495	489	489	488	489	480
22	495	492	490	486	483	482	473	462	443	457	462	479	480	476	473	470	482	488	490	489	495	501	512	497	482
23	496	492	492	488	478	482	484	484	484	486	486	483	480	480	480	479	477	479	480	479	485	488	485	485	484
24	481	480	482	480	483	483	481	480	477	478	470	472	478	479	481	481	480	483	481	481	486	489	498	498	482
25	496	493	492	490	487	486	484	481	483	485	487	487	485	483	483	480	478	479	484	488	484	487	498	510	487
26	524	493	494	494	489	493	492	490	489	491	489	484	483	481	482	483	483	484	483	486	493	507	510	507	492
27	501	503	502	494	408	437	463	463	456	472	477	479	480	483	485	481	480	480	475	477	480	480	481	476	
28	486	489	470	477	478	478	474	472	473	474	477	480	483	485	483	474	477	481	483	489	490	483	480	491	480
29	490	480	486	486	486	484	483	480	480	483	483	483	483	486	480	473	469	456	451	460	471	477	479	481	478
30	481	482	484	481	481	479	475	476	476	478	476	478	480	478	471	462	467	475	475	478	476	476	482	484	477
31																									
Mean	497	494	489	486	478	475	466	461	464	468	473	479	479	481	479	477	477	479	481	485	491	495	497	499	481

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt

June 1941

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range γ	Maximum 7° W +		Minimum 7° W +		Range '	Maximum 56,000 γ +		Minimum 56,000 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	23 00	325	04 56	264	61	08 08	42.2	03 55	18.6	23.6	23 38	499	08 18	450	49
2 Q	21 45	326	14 30	281	45	17 28	35.7	12 36	25.0	10.7	00 55	499	16 00	476	23
3 Q	21 30	322	15 10	292	<u>30</u>	02 15	35.0	11 46	23.2	11.8	22 05	489	15 40	467	22
4 Q	20 50	335	14 30	278	57	17 55	46.8	08 34	24.7	22.1	21 03	494	04 24	476	<u>18</u>
5 Q	19 30	332	14 32	284	48	18 07	40.4	11 47	23.0	17.4	22 56	495	08 03	469	26
6	19 56	356	14 22	291	65	02 15	41.1	12 34	21.4	19.7	00 07	495	14 22	471	24
7	23 53	326	14 42	264	62	16 18	38.5	12 25	22.9	15.6	23 10	495	07 50	465	30
8	20 57	325	15 31	277	48	01 55	38.4	14 02	23.5	14.9	00 01	493	15 32	473	20
9	21 07	367	15 30	281	86	17 50	41.8	10 52	15.9	25.9	23 59	494	10 35	459	35
10 D	20 52	<u>347</u>	14 08	219	128	17 00	47.2	13 38	14.6	32.6	20 05	497	07 42	382	115
11 D	20 03	362	14 35	280	82	17 18	40.7	12 32	20.0	20.7	00 19	523	17 17	460	63
12	21 55	328	14 05	262	66	04 58	40.9	12 28	25.7	15.2	22 32	495	04 55	436	59
13 D	21 56	<u>403</u>	09 58	<u>061</u>	<u>342</u>	10 13	81.5	07 51	17.7	<u>63.8</u>	21 48	<u>630</u>	09 27	<u>206</u>	<u>424</u>
14 D	00 01	357	02 40	211	146	22 31	37.7	04 39	16.6	21.1	00 13	535	04 02	402	133
15 D	02 25	330	08 47	172	158	04 10	45.7	08 12	8.8	36.9	02 50	544	09 27	300	244
16 Q	21 50	307	14 30	276	31	20 43	36.8	12 22	27.7	<u>9.1</u>	01 10	501	06 42	469	32
17	20 29	371	18 54	271	100	18 58	45.0	13 12	22.4	22.6	23 45	599	08 47	452	147
18	00 01	336	04 11	263	73	19 50	40.4	02 25	14.0	26.4	00 01	597	03 17	425	172
19	21 05	360	14 46	296	64	18 21	41.1	13 38	21.3	19.8	23 50	524	(12 30	462)	(62)
20	23 05	350	06 21	177	173	06 28	50.4	23 31	18.9	31.5	23 24	543	06 28	230	313
21	19 00	333	15 00	264	69	19 42	41.1	02 40	21.3	19.8	00 01	516	07 01	431	85
22	20 30	340	17 27	274	66	18 04	41.3	12 35	21.5	19.8	22 28	518	08 27	437	81
23	21 21	343	14 33	279	64	18 55	37.7	12 37	23.5	14.2	00 20	496	16 35	473	23
24	19 23	340	14 27	274	66	18 19	42.0	13 38	20.4	21.6	23 39	502	11 00	463	39
25	22 30	357	15 35	274	83	20 20	39.6	14 33	24.1	15.5	23 59	522	17 40	478	44
26	19 24	369	15 36	276	93	02 43	40.1	01 04	17.7	22.4	00 55	532	18 30	480	52
27	20 07	344	13 13	280	64	07 49	48.2	12 12	17.8	30.4	01 00	504	04 30	356	148
28	19 54	341	14 40	254	87	20 28	42.8	02 11	21.9	20.9	19 52	496	02 17	463	33
29	19 26	334	14 38	278	56	18 02	39.0	12 22	19.5	19.5	00 27	495	18 00	444	51
30	20 17	349	14 06	279	70	18 32	40.2	14 10	24.1	16.1	23 59	487	15 40	460	27
31															
Mean		344		258	86		42.7		20.6	22.1		517		431	86
No. days		30		30	30		30		30	30		30		30	30

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

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

Table 25 Agincourt

H = 15,000 γ +

July 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	325	316	310	308	306	303	309	301	300	293	298	300	296	298	297	291	290	298	311	313	316	331	319	311	306
2	313	306	314	304	309	306	306	292	300	298	293	298	306	306	298	293	298	306	316	326	336	321	316	311	307
3	303	303	306	313	313	316	314	313	313	313	314	316	314	301	275	257	247	302	326	339	337	334	316	311	308
4 D	312	311	311	321	314	306	298	288	308	306	303	297	293	297	294	283	273	274	287	303	336	307	307	329	302
5 D	308	293	251	246	283	290											262	251	247	255	414	384	275	251	
6 D	252	237	225	221	223	221	227	216	203	199	161	140	136	129	123	180	237	257	318	379	338	350	308	312	233
7 D	293	226	145	79	136	198	190	121	267	247	272	273	275	273	274	275	290	298	306	316	306	278	280	283	246
8	278	276	277	276	279	279	261	254	222	246	250	245	262	236	237	225	241	274	279	289	305	305	297	285	266
9	282	279	282	282	283	282	282	279	277	277	276	272	266	266	254	266	274	285	292	310	315	346	343	315	287
10	294	299	297	282	286	292	279	269	271	276	277	271	266	255	240	235	244	262	300	333	363	378	349	265	287
11	266	274	282	272	282	292	292	296	277	286	290	290	284	279	271	256	259	267	279	290	302	306	298	297	283
12	287	290	282	288	291	293	282	272	266	270	272	271	255	277	271	263	258	264	284	300	308	313	307	305	282
13 Q	301	300	300	299	297	297	297	297	287	278	286	282	283	281	269	264	269	276	287	292	300	306	297	297	289
14 Q	297	294	295	294	292	291	287	291	287	286	286	287	282	272	267	263	266	277	295	306	312	308	305	302	289
15	297	295	297	292	287	284	287	286	286	287	287	288	279	269	268	264	274	290	302	306	312	312	318	307	291
16	307	307	305	302	311	317	301	302	291	291	297	295	277	283	272	285	287	293	297	315	324	314	319	302	300
17	300	292	292	292	295	292	285	285	289	292	291	288	282	274	257	258	273	285	300	304	309	314	310	304	290
18	295	288	287	289	293	294	295	295	295	291	293	288	284	282	268	256	271	287	315	327	316	320	307	294	293
19	297	303	291	283	291	289	292	292	288	290	292	286	277	275	270	259	272	282	305	311	309	325	310	308	291
20	297	295	295	296	304	295	300	292	292	291	292	280	277	271	270	268	272	291	309	318	305	308	307	310	293
21 D	318	315	322	297	301	256	198	185	33	170	218	246	198	246	256	260	254	254	270	284	276	305	302	311	253
22	290	296	296	272	256	277	282	291	297	292	286	284	270	246	239	240	269	282	297	310	320	318	325	315	286
23	302	279	284	282	281	305	292	297	279	276	282	277	273	259	256	248	249	259	276	285	305	305	315	315	283
24	297	287	287	286	287	294	302	297	299	297	302	301	288	269	263	258	259	268	297	300	294	308	305	297	289
25	300	300	312	316	324	319	300	302	288	294	290	285	280	275	256	255	259	269	284	294	305	308	307	302	293
26 Q	298	297	297	296	293	295	299	297	299	301	297	295	287	281	269	272	277	281	297	307	315	319	313	308	295
27 Q	302	304	302	304	294	294	295	295	297	295	297	297	294	284	266	260	267	282	297	315	328	328	322	307	297
28	308	306	299	305	304	302	302	299	298	297	301	292	281	276	269	268	278	289	309	318	323	325	322	310	299
29 Q	312	315	312	312	311	312	315	311	312	313	312	312	307	296	291	282	276	283	297	306	320	328	327	318	308
30	312	312	312	313	312	306	305	307	312	312	313	309	302	285	272	272	272	300	318	323	325	314	314	317	307
31	320	320	318	313	312	312	312	313	310	311	312	306	298	287	279	282	290	297	311	328	325	331	312	300	308
Mean	298	294	291	286	289	290	286	281	278	283	285	282	275	271	263	261	269	282	299	312	316	318	312	305	289

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

D = 7° W + ...'

July 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	31.0	31.9	26.9	26.0	29.1	23.8	29.0	30.5	33.3	29.7	26.6	25.9	25.9	25.6	26.7	29.4	31.9	34.8	36.4	38.5	37.0	34.2	33.7	33.2	30.5	
2	31.9	30.1	26.0	30.5	30.9	31.9	32.4	37.0	34.2	30.0	29.8	28.2	26.9	25.9	25.5	30.8	33.6	36.0	38.0	37.7	35.0	33.3	32.4	31.9	31.7	
3	30.9	30.6	32.4	31.9	32.3	32.0	31.5	31.4	30.0	29.7	27.9	28.2	22.3	23.5	24.1	31.7	40.0	44.1	41.4	40.0	37.0	35.1	34.6	33.2	32.6	
4 D	32.4	32.4	32.1	30.9	23.2	34.9	22.5	28.1	25.4	25.3	24.7	22.9	24.2	24.7	26.5	28.9	32.9	38.8	36.9	38.1	37.6	35.8	33.4	30.5	30.1	
5 D	24.7	22.7	23.1	21.6	28.3	39.8	31.6	85.2	67.6	134.1					60.3	44.4	52.4	30.9	30.8	38.5	39.7	24.8	21.5	31.5	36.5	
6 D	34.1	28.8	34.9	35.5	31.1	34.0	34.2	36.0	39.2	39.0	42.9	52.2	49.7	41.9	44.2	33.3	29.0	34.1	25.1	25.6	33.7	28.2	31.5	30.3	35.4	
7 D	26.0	33.2	36.7	49.7	32.3	16.3	20.0	62.9	40.0	31.5	25.3	23.3	25.3	28.7	29.5	30.9	35.1	35.8	37.7	37.8	36.3	35.5	32.7	31.0	33.0	
8	33.9	34.6	34.7	35.1	34.7	34.7	42.9	41.0	45.6	37.0	32.4	30.7	29.6	30.7	36.4	38.8	44.3	43.8	42.3	41.2	38.3	37.0	34.7	34.6	37.0	
9	33.3	33.9	34.0	32.4	33.2	33.2	33.2	33.3	32.9	32.3	30.5	29.6	30.3	30.1	29.1	33.9	36.4	39.7	42.4	43.8	40.0	36.5	36.4	36.7	34.5	
10	28.8	35.0	34.1	26.0	32.1	34.0	35.6	37.8	40.5	32.6	29.0	26.1	24.6	24.2	29.1	33.9	37.3	41.2	40.9	36.0	34.8	29.6	32.4	35.8	32.9	
11	35.2	35.0	33.2	32.3	32.4	34.2	33.9	37.3	37.1	29.2	30.0	26.7	26.9	27.4	27.7	30.6	33.7	37.8	39.7	39.7	36.4	34.5	33.3	32.1	32.6	
12	32.6	32.9	31.4	32.5	31.8	31.4	37.3	31.5	28.4	30.6	27.6	25.5	31.9	32.4	28.5	32.6	38.2	41.5	41.2	38.8	37.4	36.6	35.1	34.6	33.4	
13 Q	34.6	36.0	33.4	34.3	33.4	32.8	31.9	31.4	31.2	29.9	27.4	28.0	26.7	26.5	27.9	31.2	37.0	40.8	41.8	40.7	37.3	35.4	34.2	32.8	33.2	
14 Q	32.7	33.0	33.4	33.2	32.4	33.5	34.6	32.4	31.7	30.6	29.7	27.9	26.2	26.0	26.8	29.4	33.3	36.5	38.1	38.8	38.2	36.1	34.1	33.1	32.6	
15	33.6	34.2	33.9	33.4	31.9	31.8	33.9	31.3	30.6	28.9	27.0	26.4	27.9	28.5	29.2	33.0	36.4	38.2	38.7	38.8	37.8	36.3	34.2	34.1	32.9	
16	32.9	33.2	33.2	32.0	29.7	29.5	29.2	29.5	28.4	27.7	25.1	22.5	21.9	23.3	23.3	30.7	33.9	39.8	45.0	43.9	40.8	38.3	36.6	35.1	31.9	
17	29.5	34.2	35.1	34.2	28.1	32.4	30.6	34.7	38.2	30.0	28.1	26.7	25.6	27.4	27.2	32.4	35.0	37.7	39.5	39.3	37.9	36.5	36.1	34.4	33.0	
18	28.9	30.5	32.0	33.9	33.7	33.1	32.8	32.2	31.6	31.3	29.2	27.0	26.0	26.5	29.1	33.6	38.3	41.9	41.0	39.8	39.7	36.5	35.7	34.8	33.3	
19	34.7	33.8	27.7	32.0	33.0	33.8	33.8	33.3	31.9	30.6	28.9	27.0	26.2	27.4	29.2	33.6	38.4	41.1	41.3	40.1	39.7	36.8	34.0	32.2	33.3	
20	33.7	33.9	34.5	34.3	39.2	33.7	32.2	31.7	30.7	27.2	25.2	22.9	22.9	24.4	28.0	33.4	39.7	43.4	41.6	39.8	37.0	35.4	33.3	32.0	33.0	
21 D	32.7	32.5	28.4	26.0	30.6	23.5	12.2	46.7	50.6	32.2	27.1	24.3	20.4	21.6	25.9	33.0	37.2	40.0	38.9	38.1	40.7	35.8	33.9	31.0	31.8	
22	32.2	26.4	33.3	31.6	34.7	36.1	32.5	36.7	33.4	31.0	29.5	25.2	25.9	26.6	32.0	38.3	41.1	40.9	42.4	40.6	38.9	37.1	33.5	34.7	34.0	
23	32.9	26.6	32.2	31.1	29.5	27.9	32.0	33.4	36.1	41.1	32.9	29.2	25.1	27.0	29.5	29.9	30.8	35.6	37.8	38.4	37.5	38.3	33.9	30.8	32.5	
24	27.0	31.1	30.7	31.1	31.5	38.3	31.6	32.5	32.4	33.3	29.3	25.3	25.8	26.0	29.5	33.3	35.7	38.0	39.8	41.1	41.9	38.2	35.2	32.0	33.0	
25	30.4	31.6	31.4	32.6	32.5	32.2	37.0	40.8	37.1	34.8	30.8	25.5	22.5	23.9	26.1	32.0	35.1	37.4	37.8	37.4	35.9	35.4	34.7	33.4	32.9	
26 Q	32.5	32.4	31.6	31.1	31.6	33.0	33.4	33.4	34.6	31.5	29.3	27.0	25.1	24.9	26.8	28.9	31.5	36.8	41.3	43.0	42.3	39.3	35.1	33.0	32.9	
27 Q	32.0	32.4	32.9	32.0	31.2	32.0	32.0	32.9	32.4	30.7	28.0	24.9	22.4	22.5	25.6	32.0	36.2	41.3	44.2	43.3	40.1	37.4	34.4	31.5	32.7	
28	31.5	33.0	32.9	32.5	32.5	32.5	29.0	32.4	31.1	30.2	27.5	25.9	24.9	23.3	25.3	29.8	33.3	37.5	40.7	39.8	38.0	36.1	33.8	32.6	32.0	
29 Q	33.5	33.3	33.8	32.5	31.1	30.6	30.7	29.8	28.9	28.0	25.6	22.9	21.0	20.9	25.3	30.7	35.0	38.8	40.3	38.9	37.1	35.7	34.4	33.4	31.3	
30	33.1	33.9	33.1	32.8	32.6	31.2	30.9	31.7	34.8	30.0	26.8	24.2	23.5	24.6	29.2	34.3	36.6	38.9	39.7	39.1	38.6	37.3	35.4	34.0	32.8	
31	33.0	32.1	32.0	32.4	31.7	31.1	31.4	30.7	30.3	29.2	27.0	25.5	23.6	25.6	29.0	34.1	36.1	39.2	39.8	38.9	36.5	33.8	32.0	31.5	32.0	
Mean	32.1	32.4	32.4	32.5	31.8	31.7	31.5	34.8	34.1	31.2	28.7	26.8	26.0	26.4	28.4	32.3	35.8	39.0	39.7	39.2	37.8	35.7	34.2	33.0	32.8	

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

Table 27 Agincourt

z = 56,000 γ +

July 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	488	494	486	439	427	458	474	470	464	472	484	482	484	481	479	478	476	472	478	481	485	488	493	494	476	
2	492	490	470	474	476	474	464	440	441	467	475	477	479	476	470	475	471	470	473	480	485	487	488	487	474	
3	488	486	482	484	481	479	480	479	478	482	482	482	478	475	473	471	469	469	473	479	485	494	494	490	481	
4 D	484	484	479	485	462	363	449	408	455	488	488	481	479	476	475	464	470	476	481	504	538	556	527	517	479	
5 D	555	527	427	446	511	445										641	592	569	558	616	629	569	546			
6 D	545	548	536	539	538	527	517	509	516	509	508	465	468	479	512	527	527	536	574	580	557	557	551	538	528	
7 D	518	438	340	251	286	365	363	324	386	414	473	495	503	503	507	507	512	514	506	506	504	503	506	509	447	
8	507	505	505	505	505	500	428	414	391	457	474	486	495	492	497	502	504	506	513	524	527	521	512	506	491	
9	503	503	503	502	499	499	500	500	502	504	505	500	495	495	489	499	504	504	510	502	500	504	509	527	502	
10	533	521	525	521	505	505	495	527	516	487	502	506	506	505	506	508	509	515	528	559	592	594	572	524	524	
11	509	507	505	504	498	490	476	436	424	468	489	499	498	492	491	489	494	498	499	498	498	497	503	506	501	491
12	505	505	506	504	501	490	454	440	459	475	483	492	493	496	494	488	498	496	489	494	507	506	506	501	491	
13 Q	500	499	499	496	498	496	496	498	496	495	498	498	497	499	499	497	498	499	501	496	496	501	503	507	499	
14 Q	505	501	500	499	500	493	486	493	499	503	501	504	505	505	492	483	484	484	486	495	502	504	503	499	497	
15	494	494	495	496	493	493	487	489	495	498	498	501	499	496	495	483	477	476	476	482	487	489	496	494	491	
16	495	494	494	505	500	488	488	492	489	489	486	486	483	483	474	474	476	486	487	493	505	510	516	519	492	
17	516	493	496	495	475	475	486	475	454	478	492	493	493	489	485	483	487	493	498	498	499	505	499	499	490	
18	501	499	501	500	496	495	492	492	492	489	489	488	486	483	483	478	474	480	488	492	490	498	499	495	491	
19	492	492	492	487	492	494	495	492	492	492	493	490	487	490	487	490	494	489	484	486	492	499	504	503	492	
20	498	496	496	494	476	478	493	490	471	480	488	486	484	481	481	486	488	489	490	501	504	502	499	499	490	
21 D	497	501	468	481	490	413	303	292	225	270	321	420	365	360	364	500	505	504	510	528	546	526	510	515	434	
22	510	487	454	449	421	415	421	439	469	481	486	489	484	487	490	492	492	493	500	505	506	499	505	508	479	
23	510	525	507	442	469	466	427	447	448	448	460	472	483	484	482	480	481	488	497	496	504	501	507	519	481	
24	529	520	511	502	473	452	482	488	493	494	494	493	491	488	491	491	494	491	493	493	494	500	502	502	494	
25	500	497	495	493	487	478	454	393	417	445	468	470	481	482	481	476	477	475	472	472	478	484	486	488	473	
26 Q	488	488	487	485	482	483	484	483	483	486	488	488	487	484	483	486	484	482	485	491	497	498	497	495	487	
27 Q	490	487	487	485	486	487	486	487	485	487	488	488	484	487	484	480	482	476	473	478	483	488	488	488	485	
28	487	485	486	484	484	482	475	480	484	485	489	488	485	482	482	481	483	484	482	485	487	488	487	481	484	
29 Q	481	481	481	481	481	479	478	479	481	480	481	481	479	481	481	475	474	478	479	478	481	481	483	483	480	
30	481	481	481	480	479	478	477	477	470	468	477	477	470	473	476	480	478	477	473	475	479	477	480	481	477	
31	478	478	477	478	478	477	478	477	477	478	481	480	480	477	471	463	460	458	463	473	481	490	495	490	477	
Mean	501	496	489	482	478	473	467	461	462	473	482	486	484	483	483	486	488	489	492	498	503	505	505	502	486	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt

July 1941

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range γ	Maximum 7° W +		Minimum 7° W +		Range	Maximum 56,000 γ +		Minimum 56,000 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	01 05	392	15 52	288	104	19 27	38.7	02 53	18.3	20.4	02 03	499	03 52	409	90
2	20 23	387	07 44	278	109	07 57	44.2	02 27	18.3	25.9	00 10	493	08 13	417	76
3	19 48	346	16 33	223	123	17 10	45.6	12 34	20.5	25.1	22 00	497	14 41	467	30
4 D	20 45	387	05 00	262	125	20 14	48.7	04 53	13.0	35.7	21 14	557	05 22	323	234
5 D	21 29	688				10 20	138.6	21 40	6.8	131.8	13 10	1283	06 30	-018	1301
6 D	19 47	410	12 00	091	319	11 43	58.3	19 40	14.2	44.1	19 33	623	11 48	450	173
7 D	19 44	334	03 17	-127	461	03 10	107.1	02 40	13.0	94.1	00 27	533	02 54	170	363
8	21 26	310	08 48	203	107	06 55	53.2	13 03	26.7	26.5	19 55	533	08 24	377	156
9	20 58	401	14 35	245	156	18 57	46.0	14 30	27.3	18.7	23 59	546	14 22	487	59
10	21 05	394	16 00	229	165	08 16	45.1	03 20	21.9	23.2	21 05	626	08 20	441	185
11	07 30	310	00 30	254	56	07 35	40.1	11 30	25.8	14.3	00 01	512	07 55	403	109
12	21 25	320	12 45	231	89	18 10	42.4	11 30	23.6	18.8	20 36	511	07 08	427	84
13 Q	00 01	310	15 40	261	49	18 00	42.5	13 40	26.0	16.5	23 25	507	12 40	492	15
14 Q	20 47	313	15 50	262	51	19 15	39.6	14 05	25.6	14.0	12 00	505	17 25	482	23
15	22 16	318	14 35	259	59	18 12	39.3	11 45	25.9	13.4	11 20	501	18 22	472	29
16	20 48	346	14 38	262	84	18 37	56.8	12 20	20.4	36.4	23 10	522	15 33	469	53
17	21 20	315	15 00	246	69	08 25	40.6	00 47	14.2	26.4	00 42	546	08 32	446	100
18	20 00	331	15 38	251	80	17 35	43.4	12 35	24.9	18.5	02 42	504	16 15	472	32
19	21 30	337	15 38	256	81	17 40	42.8	02 40	24.2	18.6	22 42	506	18 40	480	26
20	19 55	340	16 25	264	76	17 19	44.2	12 18	21.5	22.7	19 55	513	08 40	454	59
21 D	02 07	338	08 28	-146	484	07 05	70.3	06 04	-2.4	72.7	20 25	554	08 25	103	451
22	01 42	357	04 44	214	143	04 38	54.3	02 42	5.3	49.0	01 43	587	04 36	375	212
23	23 41	334	16 35	240	94	09 09	46.1	03 21	18.4	27.7	01 33	536	03 42	392	144
24	21 52	319	16 10	248	71	05 19	45.7	00 15	22.5	23.2	00 05	536	05 22	430	106
25	10 30	335	15 00	252	83	06 56	46.5	12 06	22.6	23.9	00 01	501	07 12	381	120
26 Q	21 05	325	14 35	266	59	19 35	43.3	13 05	24.0	19.3	21 10	501	17 46	478	23
27 Q	21 00	330	15 56	259	71	18 50	45.2	13 15	21.9	23.3	00 01	494	18 40	472	22
28	22 35	328	15 18	264	64	18 43	41.6	13 25	22.4	19.2	21 45	490	06 25	471	19
29 Q	22 17	333	15 33	275	58	18 50	40.6	13 05	20.2	20.4	22 18	484	16 40	472	12
30	20 57	338	15 10	268	70	18 12	40.1	11 52	22.8	17.3	20 50	483	08 35	467	16
31	20 45	407	14 30	276	131	17 50	40.5	12 30	22.9	17.6	22 06	499	18 00	454	45
Mean		356		222	123		50.7		19.8	30.9		548		407	141
No. days		31		30	30		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 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	302	302	304	309	310	310	312	312	305	299	304	305	297	282	266	258	264	282	302	333	353	341	328	301	304	
2 D	307	292	276	283	285	295	253	238	241	246	295	297	282	256	220	201	252	278	291	301	312	329	316	313	278	
3	300	297	291	297	290	284	286	283	283	279	277	273	275	274	268	266	277	292	312	317	322	322	313	301	291	
4 D	300	306	317	300	325	282	243	167	204	215	190	140	-4	1	140	212	218	198	300	310	373	487	448	383	252	
5	291	256	218	243	278	273	261	256	252	253	253	255	255	239	219	235	258	276	298	316	309	316	331	312	269	
6	282	282	282	282	282	277	251	261	259	251	249	253	259	249	230	222	261	276	294	315	341	335	316	361	278	
7	322	285	275	277	293	279	280	271	263	276	280	275	282	275	264	249	237	251	284	306	312	313	291	283	280	
8	287	287	287	291	296	292	295	286	285	284	277	279	272	261	249	245	255	264	276	300	301	297	294	295	282	
9 Q	295	294	292	292	292	295	295	294	292	292	292	292	291	282	264	258	267	278	287	297	307	302	305	305	290	
10 Q	302	301	297	301	301	302	300	300	300	298	297	295	287	281	274	266	278	297	312	321	326	328	327	318	300	
11	318	315	302	306	306	311	304	297	302	306	308	300	290	279	265	262	282	293	305	308	312	318	309	303	300	
12	302	307	296	297	296	301	300	301	292	293	295	297	285	276	269	264	276	284	300	307	316	316	307	310	295	
13	302	302	307	301	302	302	310	300	297	284	292	297	297	285	276	276	278	290	300	311	310	319	317	309	298	
14	307	299	302	315	306	291	292	297	295	297	298	300	294	282	271	263	261	269	289	292	297	301	302	304	293	
15	312	300	295	299	295	297	293	292	293	292	293	297	290	282	275	281	287	290	302	306	306	306	301	302	295	
16 Q	300	302	302	302	302	300	300	297	297	297	297	291	293	277	271	279	285	292	299	302	307	315	312	312	297	
17 Q	317	312	302	305	297	302	300	298	297	297	297	293	291	286	277	271	280	292	302	311	318	317	316	308	299	
18	307	308	309	311	308	308	307	304	302	306	302	300	295	285	275	271	288	305	319	325	327	307	302	312	304	
19	328	321	302	297	300	292	305	292	294	297	276	258	276	281	269	258	256	279	305	304	306	306	313	292	292	
20	292	290	295	295	297	293	294	292	295	295	295	292	287	277	269	270	281	294	302	307	307	311	308	307	293	
21	302	302	302	308	305	287	292	286	297	297	302	300	287	267	249	240	256	277	312	297	311	325	313	300	292	
22	302	305	305	306	306	305	305	302	302	300	300	295	287	274	266	266	276	287	302	313	331	312	307	302	298	
23 Q	301	302	301	306	306	306	302	307	302	301	299	296	287	274	265	261	273	290	304	316	323	327	317	308	299	
24	308	303	310	311	306	305	303	302	287	288	301	296	287	277	263	264	274	288	306	318	317	328	313	306	298	
25	298	302	303	304	303	306	307	303	301	299	295	296	293	283	273	278	292	306	309	321	312	291	313	305	300	
26 D	291	298	293	297	298	304	293	296	295	302	292	283	287	290	255	241	245	272	291	313	314	336	323	337	294	
27 D	478	274	233	252	257	167	256	175	228	181	127	191	203	247	242	256	272	277	293	303	318	337	319	313	259	
28	274	269	273	272	287	291	291	272	253	272	209	262	280	267	265	261	252	255	276	291	302	308	297	293	274	
29 D	293	278	291	301	286	289	286	278	283	242	276	299	280	233	247	274	252	252	297	303	333	318	292	286	282	
30	283	260	257	281	250	301	277	275	288	288	285	273	262	260	243	256	268	287	293	301	313	298	298	293	279	
31	297	298	296	298	288	293	288	288	297	292	287	278	272	270	267	257	267	275	290	303	308	312	307	314	289	
Mean	307	295	291	294	295	291	290	281	283	281	278	279	271	263	256	256	267	279	298	309	317	321	314	309	289	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt

$D = 7^{\circ} W + \dots'$

August 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	32.0	33.0	33.3	33.1	33.4	33.0	30.9	31.0	31.2	26.9	24.9	23.0	22.4	23.0	27.4	33.8	37.7	40.7	39.0	37.0	36.5	37.1	35.2	33.8	32.0
2 D	30.9	30.8	16.2	26.1	25.3	31.0	41.0	35.7	25.6	27.5	22.2	22.8	21.9	24.7	34.0	46.1	47.0	42.9	41.9	44.0	40.2	36.5	29.3	30.1	32.2
3	28.6	31.5	34.3	34.8	39.0	31.1	34.8	30.6	32.0	28.8	29.8	31.0	30.1	31.5	32.5	34.6	37.7	37.1	37.1	34.3	32.0	29.2	31.6	33.0	
4 D	31.6	27.1	24.9	33.3	31.3	51.6	25.2	36.3	41.4	26.1	34.0	37.9	65.9	63.9	35.9	45.9	43.2	44.5	40.8	35.1	20.7	17.5	23.4	26.8	36.1
5	14.8	23.8	24.0	29.7	33.9	34.8	33.8	34.0	33.3	33.1	31.9	30.6	29.3	30.2	33.3	37.7	40.0	39.3	38.4	37.9	37.1	36.8	34.5	34.2	32.8
6	37.1	37.1	38.0	38.2	38.9	38.8	42.9	37.0	34.2	34.7	31.8	29.1	26.1	26.0	28.4	33.5	38.4	41.0	39.3	39.0	37.5	37.1	32.9	24.4	35.1
7	28.2	29.2	30.8	31.6	34.8	31.9	33.3	32.4	34.4	31.0	26.6	26.6	23.4	23.5	27.4	33.4	38.4	40.2	38.0	36.7	37.0	35.6	35.3	31.6	32.1
8	34.3	34.2	33.6	34.7	33.3	34.0	34.1	32.6	31.6	30.7	29.8	27.0	24.8	25.4	28.9	35.0	39.1	41.5	41.6	39.3	38.6	37.1	34.7	33.3	33.7
9 Q	33.3	33.3	32.6	33.0	32.5	32.6	31.7	32.6	32.4	31.4	29.8	27.9	26.3	25.2	27.5	32.6	37.5	41.3	42.9	41.0	38.9	37.4	35.2	34.3	33.5
10 Q	33.4	33.6	31.0	31.3	32.8	32.9	32.8	32.4	31.6	31.0	29.8	28.0	27.0	26.1	28.0	34.4	38.0	40.1	41.7	41.5	39.7	37.3	35.2	33.6	33.5
11	33.0	34.6	34.5	32.8	32.5	31.6	30.7	30.0	34.6	28.8	26.3	23.7	22.5	23.3	27.7	33.7	37.9	40.3	41.1	42.5	41.3	38.1	35.6	34.3	33.0
12	33.4	33.8	31.3	32.8	33.4	31.6	30.2	31.2	30.8	29.7	28.4	27.0	23.5	24.4	29.2	35.1	38.6	42.2	41.2	39.7	37.7	36.6	35.6	33.8	33.0
13	35.3	33.7	31.5	28.9	31.6	34.1	31.6	28.8	29.8	33.3	33.0	25.1	23.4	23.7	26.0	29.7	34.7	35.9	37.1	38.6	39.4	37.4	35.3	31.1	32.0
14	33.2	33.0	33.4	31.0	26.5	29.5	30.1	31.6	30.3	30.6	27.4	26.0	24.6	25.1	27.0	30.6	34.3	38.6	40.3	39.7	38.3	36.5	34.8	33.3	31.9
15	32.5	33.4	33.4	33.4	32.7	32.4	31.4	31.6	31.6	30.6	28.4	26.1	24.6	25.0	27.9	35.0	37.1	38.5	38.4	38.0	37.4	36.0	33.5	32.3	32.6
16 Q	32.6	32.5	32.5	32.5	32.5	32.2	32.2	31.7	31.5	31.4	30.6	28.4	27.0	24.7	28.5	34.4	37.9	39.2	40.6	40.6	39.0	37.4	34.7	33.0	33.2
17 Q	32.4	33.7	35.1	33.1	32.5	33.4	33.0	32.4	32.0	31.2	29.6	27.5	26.2	26.9	29.9	33.9	37.0	38.1	38.4	36.8	36.1	34.7	33.0	32.5	32.9
18	33.7	33.1	32.7	32.8	32.5	31.8	31.5	31.0	30.4	29.8	28.4	26.6	26.1	26.4	29.8	32.8	37.9	40.2	40.4	39.2	38.0	37.7	35.4	33.5	33.0
19	34.3	34.3	22.9	30.0	29.2	25.2	28.5	30.7	30.1	29.2	28.5	38.6	31.3	24.2	28.8	34.3	36.8	41.0	38.9	39.1	35.8	33.3	31.0	30.0	32.0
20	30.7	27.0	30.8	32.4	32.0	31.3	32.0	34.2	33.4	30.2	28.0	25.6	24.4	25.6	30.9	37.5	40.3	40.3	40.3	38.8	37.1	35.6	34.0	33.0	32.8
21	31.0	32.5	32.6	30.1	33.8	28.3	31.6	29.8	25.6	21.1	20.6	20.8	21.1	22.9	28.4	37.7	40.1	43.3	41.2	41.6	38.0	34.2	32.5	32.0	31.3
22	32.9	33.4	33.3	33.4	33.0	32.9	32.4	31.7	31.0	30.0	28.0	24.7	22.5	23.4	27.7	33.4	37.3	39.3	40.2	38.8	36.0	33.3	31.7	32.0	32.2
23 Q	33.0	32.6	32.5	32.4	32.5	33.1	32.4	35.7	32.0	30.4	28.1	25.6	23.8	24.9	29.4	35.6	39.2	41.0	40.6	38.7	36.1	32.9	31.0	31.0	32.7
24	33.3	33.3	33.0	32.5	31.6	32.5	30.7	31.2	32.9	36.1	27.1	22.5	21.1	24.7	29.8	37.0	41.2	43.1	44.0	42.9	38.8	34.8	33.4	33.8	33.4
25	34.4	32.3	32.0	32.3	32.0	31.6	31.0	30.6	30.0	28.9	26.6	24.3	23.8	26.0	29.3	34.3	39.3	39.7	40.6	40.2	42.8	38.8	35.4	34.5	33.1
26 D	27.0	27.1	33.5	33.1	32.5	33.0	31.5	30.0	32.0	28.0	25.6	31.9	32.0	24.9	28.9	39.3	45.4	47.0	43.7	41.3	39.7	35.9	33.0	34.3	33.8
27 D	24.2	22.2	22.9	25.1	28.5	64.7	27.3	49.2	32.8	36.4	64.4	43.3	35.6	27.9	39.3	41.3	37.1	41.3	39.7	39.3	36.0	35.1	29.7	30.6	36.4
28	26.3	29.8	26.6	31.1	33.5	32.4	34.7	51.2	41.6	33.8	49.2	32.2	21.9	27.6	30.0	32.0	36.0	38.1	38.0	37.9	37.1	35.1	33.1	32.2	34.2
29 D	31.5	30.6	30.4	27.7	29.9	28.0	29.9	36.6	36.4	44.2	38.6	27.3	27.5	34.7	41.6	38.1	38.3	39.9	38.4	38.9	32.7	29.1	34.6	27.0	33.9
30	13.8	28.6	28.3	27.0	35.9	32.1	31.9	37.5	36.1	37.6	29.7	29.8	29.9	30.1	33.1	37.5	39.2	41.1	39.9	38.6	35.7	35.2	34.2	28.0	33.0
31	32.4	31.5	33.3	34.3	37.1	38.8	34.0	28.8	30.0	28.8	26.0	24.6	25.6	26.8	30.6	36.6	40.6	42.9	42.1	41.1	39.4	36.5	34.4	33.7	33.8
Mean	30.8	31.6	30.8	31.9	32.6	34.0	32.2	33.5	32.3	31.0	30.4	28.0	27.0	27.1	30.2	35.7	38.9	40.6	40.1	39.3	37.1	35.1	33.2	32.0	33.1

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

Table 31 Agincourt

z = 56,000 γ +

August 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	484	483	481	479	479	478	477	476	461	464	477	479	479	481	480	481	478	474	481	490	505	521	529	517	485
2 D	518	523	494	471	473	464	367	382	380	364	457	473	479	481	480	483	493	509	532	534	529	529	520	506	477
3	499	487	488	477	455	447	435	455	461	468	479	473	467	474	478	481	488	499	507	508	504	535	505	490	482
4 D	491	487	478	467	326	301	388	370	307	374	325	352	281	316	424	513	507	534	547	540	632	706	637	590	454
5	502	478	467	483	515	529	515	513	501	501	502	499	498	497	498	502	514	516	517	515	517	517	523	511	506
6	502	501	505	507	507	507	423	452	452	455	467	469	475	482	485	490	495	491	503	517	546	561	552	573	497
7	622	604	546	489	454	466	488	488	488	489	492	493	494	492	493	491	488	494	499	502	499	502	506	510	503
8	500	494	492	491	486	479	474	484	488	488	492	491	491	490	488	488	486	486	489	495	498	495	494	490	489
9 Q	488	489	488	488	488	485	484	485	485	486	489	490	488	484	488	484	483	484	483	482	486	489	492	492	486
10 Q	488	488	486	482	480	480	480	482	482	482	482	483	482	481	482	477	473	473	480	480	485	486	486	482	482
11	482	484	486	482	481	481	479	476	469	470	482	480	482	480	474	466	465	465	475	482	488	492	492	490	479
12	485	488	491	488	488	481	482	488	486	484	486	489	489	486	488	484	478	472	478	480	483	491	491	492	485
13	492	491	479	480	482	473	468	471	477	474	477	479	484	482	479	468	468	466	471	476	480	486	488	492	478
14	491	489	488	475	446	458	471	476	480	483	483	485	483	482	480	479	477	476	477	483	483	486	488	487	479
15	485	486	489	488	488	485	483	484	484	482	484	485	488	485	482	478	471	468	475	480	483	488	488	488	483
16 Q	482	483	482	483	482	482	482	482	482	482	484	485	486	482	477	471	471	474	477	482	486	490	489	488	482
17 Q	486	486	486	484	483	483	482	480	482	482	483	485	482	483	480	474	473	472	478	482	485	480	482	483	482
18	482	480	479	476	478	477	477	477	477	477	480	479	477	478	478	473	474	470	476	482	488	488	488	482	479
19	483	490	479	477	483	474	470	456	454	470	463	428	420	440	458	470	481	487	491	495	495	496	499	495	473
20	491	488	485	484	483	477	477	475	475	482	482	482	478	473	474	477	473	476	482	483	487	487	489	487	481
21	483	483	482	472	464	464	466	466	476	477	482	478	474	472	472	476	474	480	488	493	495	495	491	488	479
22	484	483	484	482	478	480	478	479	477	479	481	482	479	477	471	471	474	478	477	482	483	484	479	477	479
23 Q	477	481	479	478	477	473	477	472	476	480	483	482	481	481	476	473	476	481	487	493	493	491	489	488	481
24	486	487	486	487	487	472	460	472	477	476	483	487	484	485	483	478	478	481	482	487	483	493	489	489	482
25	487	484	483	483	483	478	479	480	479	482	483	484	482	479	477	474	477	476	487	499	507	503	500	500	485
26 D	519	490	492	489	481	454	457	472	460	443	454	451	425	444	454	465	474	485	500	520	549	550	552	593	486
27 D	603	575	492	496	482	280	383	300	315	354	283	355	418	467	452	473	485	501	520	556	565	570	592	545	461
28	560	534	481	429	423	449	470	374	383	414	373	429	458	476	483	489	494	499	507	508	503	501	497	496	468
29 D	496	496	484	467	437	453	470	471	464	425	443	465	474	471	473	478	483	505	520	520	533	535	524	530	484
30	509	508	507	481	371	420	467	471	479	487	494	496	479	481	484	490	488	490	493	504	516	505	502	500	484
31	496	493	491	484	458	446	451	476	492	491	485	482	478	476	473	474	477	480	485	493	496	493	491	490	481
Mean	501	497	488	481	468	460	463	461	459	463	465	470	469	472	476	479	481	485	492	498	505	511	508	504	482

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt

August 1941

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range γ	Maximum 7° W +		Minimum 7° W +		Range '	Maximum 56,000 γ +		Minimum 56,000 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	21 02	371	15 31	253	118	17 11	41.1	13 10	22.0	19.1	22 40	535	09 00	458	77
2 D	21 50	338	15 00	175	163	06 54	51.3	02 40	8.6	42.7	19 15	540	06 54	305	235
3	21 17	337	14 58	263	74	04 44	42.4	01 02	25.7	16.7	22 03	538	05 56	387	151
4 D	21 05	<u>518</u>	13 40	<u>-122</u>	<u>640</u>	13 16	78.1	21 25	12.8	65.3	21 08	<u>804</u>	08 10	213	591
5	23 00	360	14 35	212	148	00 13	42.8	00 26	-1.1	43.9	00 20	551	02 06	421	130
6	21 11	414	15 05	214	200	06 48	47.9	23 31	21.5	26.4	23 51	582	06 42	388	194
7	00 32	330	16 48	225	105	17 56	39.0	01 00	22.4	16.6	00 54	648	04 33	448	200
8	19 58	308	15 00	241	67	17 57	42.4	13 00	24.2	18.2	00 01	507	06 15	465	42
9 Q	20 40	308	15 03	255	53	18 20	43.2	13 27	24.5	18.7	22 42	495	19 30	482	<u>13</u>
10 Q	22 05	336	15 20	266	70	18 45	42.5	13 40	25.8	16.7	00 08	489	17 00	471	18
11	21 41	335	15 30	255	80	19 20	43.8	13 00	21.9	21.9	21 40	501	17 03	462	39
12	21 07	329	15 30	252	77	17 48	43.0	13 10	21.6	21.4	23 35	495	17 40	467	28
13	21 45	323	15 45	271	52	20 20	39.9	13 50	22.0	17.9	23 20	496	05 50	461	35
14	03 55	328	15 25	260	68	18 00	40.7	12 58	22.9	17.8	00 05	492	04 50	435	57
15	00 30	315	14 30	271	44	17 37	39.3	12 50	23.3	16.0	02 00	491	17 20	468	23
16 Q	22 00	322	15 00	261	61	19 01	41.5	13 35	23.8	17.7	21 55	494	17 00	471	23
17 Q	21 06	322	15 03	270	52	18 00	38.8	12 38	25.7	13.1	03 00	487	17 00	469	18
18	20 18	339	15 00	269	70	17 51	40.7	13 25	25.2	<u>15.5</u>	22 13	497	17 10	470	27
19	01 36	337	11 45	236	101	17 28	42.5	02 47	16.0	<u>26.5</u>	22 40	502	11 45	401	101
20	23 35	318	14 20	266	52	16 45	41.3	12 07	24.2	17.1	00 01	502	07 55	466	36
21	21 25	329	15 53	232	97	17 00	44.5	10 04	19.1	25.4	21 22	497	04 10	456	41
22	20 20	337	14 55	265	72	18 20	40.6	12 08	21.9	18.7	21 00	490	15 00	471	19
23 Q	20 52	328	15 40	260	68	17 30	41.5	12 40	22.9	18.6	20 50	496	07 35	469	27
24	21 50	330	15 15	255	75	18 58	44.3	12 28	20.4	23.9	22 00	493	06 05	450	43
25	19 51	338	14 30	271	67	20 25	44.3	12 40	23.3	21.0	20 49	512	15 00	473	39
26 D	23 59	363	16 10	230	133	17 56	49.7	01 05	11.8	37.9	23 59	637	12 20	419	218
27 D	00 17	450	05 45	059	391	10 20	<u>88.7</u>	00 36	<u>-21.5</u>	<u>110.2</u>	00 26	769	05 35	<u>148</u>	<u>621</u>
28	21 33	316	10 38	155	161	07 35	61.0	12 37	18.3	42.7	00 30	598	10 39	344	254
29 D	21 08	351	14 02	193	158	09 55	52.1	23 59	4.7	47.4	23 59	536	09 42	434	102
30	05 30	326	14 35	210	116	05 00	50.0	00 10	-1.0	51.0	20 02	520	14 13	322	198
31	21 30	334	15 36	249	85	17 36	44.2	11 27	24.0	20.2	21 28	502	05 38	433	69
Mean		345		225	120		46.6		18.0	28.6		538		420	118
No. days		31		31	31		31		31	31		31		31	31

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

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

Table 33 Agincourt

H = 15,000 γ +

September 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	302	312	308	297	298	297	292	300	288	291	297	296	289	271	242	248	240	253	276	283	298	309	317	292	287	
2	287	286	298	303	299	298	275	277	297	291	286	282	276	256	245	253	268	280	293	303	313	311	297	298	287	
3	293	298	298	300	298	301	297	300	293	293	296	291	282	272	262	257	266	278	293	303	308	308	306	306	292	
4 Q	306	303	305	306	305	308	302	299	299	301	300	295	283	265	248	240	252	273	293	309	312	318	303	306	293	
5 Q	309	309	308	304	308	308	302	301	299	303	302	298	284	272	262	264	273	288	302	311	313	314	308	309	298	
6 Q	311	309	308	309	303	307	307	309	306	305	305	300	293	283	274	272	283	297	313	328	329	323	321	318	305	
7	318	318	316	313	318	324	303	298	303	308	302	307	283	257	262	280	277	293	300	323	329	307	297	303	301	
8	308	301	286	298	296	296	301	293	291	287	295	293	283	272	257	253	262	282	297	307	312	313	309	296	291	
9	294	298	291	298	297	301	301	299	297	296	301	293	282	270	262	264	275	288	298	311	322	318	313	286	294	
10	284	289	300	310	304	310	309	307	306	304	303	301	289	271	259	251	253	269	287	303	312	312	311	314	294	
11	314	304	299	304	304	307	307	309	304	302	294	294	284	286	283	287	279	279	292	299	309	307	300	306	298	
12 Q	302	304	308	311	304	304	304	307	304	304	302	298	289	281	269	265	267	273	283	294	304	310	310	309	296	
13 D	310	310	309	308	309	306	309	310	314	314	320	324	295	246	253	312	309	294	295	294	299	299	294	284	301	
14	294	292	300	293	273	243	227	252	272	288	299	293	277	274	272	270	288	294	293	289	294	287	273	284	280	
15 D	291	298	287	304	281	288	297	299	292	294	295	296	285	278	276	283	283	292	273	284	298	298	304	302	291	
16	309	263	292	292	307	294	295	299	303	304	304	300	292	284	277	277	278	286	296	280	297	310	299	299	293	
17	298	304	307	304	299	296	287	290	294	295	292	294	289	281	264	273	277	284	304	304	312	314	308	309	295	
18 D	309	304	307	304	314	329	306	-47							-57	-24	78	341				402	351			
19 D	127			152						219	231	207	192	208	213	234	255	284	322	433	459	270	243	261		
20 D	233	228	251	261	261	263	256	243	232	183	186	136	185	205	241	238	234	248	267	272	281	279	273	272	238	
21	269	269	285	269	248	266	229	216	147	201	226	232	243	238	223	202	252	270	274	278	278	273	274	277	247	
22 Q	282	284	283	280	279	284	269	274	277	278	274	270	263	261	249	237	248	266	275	280	285	286	289	293	273	
23	294	295	291	293	286	285	286	290	286	285	289	285	278	248	226	228	247	267	290	302	300	294	298	303	281	
24	288	282	293	288	298	272	277	282	288	288	288	278	272	277	279	264	267	278	269	283	308	313	287	254	282	
25	247	257	262	263	266	273	276	273	258	262	282	293	272	243	231	231	235	244	271	285	288	293	291	286	266	
26	295	292	288	290	288	289	292	293	295	293	293	288	278	268	262	261	272	285	294	295	300	300	298	303	288	
27	297	294	288	296	294	287	277	290	272	277	290	293	285	263	255	237	237	267	282	291	296	296	295	288	281	
28	286	287	290	290	293	290	290	294	293	293	296	294	288	278	269	268	281	291	303	294	314	315	289	303	291	
29	305	307	309	304	277	282	299	295	289	284	285	296	289	272	272	269	286	289	300	312	296	290	276	289	291	
30	292	297	281	284	284	288	286	281	284	288	288	273	278	271	261	255	271	289	296	289	279	292	294	293	283	
31																										
Mean	292	292	294	295	292	292	288	289	285	286	289	285	278	266	258	258	267	278	290	297	303	303	298	296	286	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt

D = 7° W + ...'

September 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24			
1	35.7	31.7	32.6	32.1	30.1	30.7	41.7	30.2	29.4	32.5	28.4	25.7	24.0	23.2	27.1	34.6	38.9	40.0	43.9	42.5	38.6	36.0	33.5	33.5	33.2		
2	30.1	31.7	32.6	32.5	33.6	33.4	35.1	34.9	28.1	28.0	28.0	27.1	25.3	27.1	31.1	36.9	38.5	40.2	41.2	39.8	36.2	33.9	34.1	26.7	32.8		
3	25.8	33.0	32.9	32.6	32.8	32.6	32.0	31.1	30.1	29.9	28.5	25.3	25.0	27.1	30.6	34.3	38.1	40.0	39.9	37.5	34.4	33.1	32.6	33.5	32.2		
4 Q	33.3	33.1	33.3	33.1	32.6	32.6	31.7	30.8	29.9	29.2	28.4	26.9	25.7	26.7	31.1	36.6	40.4	42.5	42.4	40.3	36.6	33.5	32.5	32.5	33.1		
5 Q	33.1	33.4	32.5	32.6	32.1	31.3	32.1	31.6	30.7	30.1	29.8	27.8	26.2	26.6	30.2	34.4	37.1	38.2	38.0	36.2	34.1	33.1	32.6	33.2	32.3		
6 Q	33.1	32.6	32.2	32.1	32.1	32.1	31.6	31.2	30.1	29.4	28.5	26.0	24.4	25.7	29.6	34.4	38.7	40.3	40.4	38.4	35.3	33.0	32.0	32.1	32.3		
7	32.1	32.6	32.6	31.3	30.8	28.9	26.5	26.0	26.7	23.9	21.6	22.0	19.9	25.3	38.0	39.2	40.8	43.1	42.1	40.2	39.3	35.2	34.8	33.5	32.3		
8	33.3	32.5	28.9	31.8	32.1	32.0	31.6	29.2	29.9	29.0	28.4	26.9	24.8	24.9	29.8	35.6	40.1	42.6	42.5	40.2	38.0	34.9	33.9	35.6	32.5		
9	33.0	32.5	29.3	32.7	33.5	33.1	32.5	31.6	29.9	32.3	28.1	25.6	25.2	26.4	30.0	35.9	40.2	42.0	42.5	40.0	36.8	34.3	32.5	24.4	32.7		
10	27.1	30.8	32.2	31.1	32.3	33.5	32.6	32.1	31.1	30.0	28.7	27.1	25.3	26.3	29.6	33.9	38.5	40.8	41.0	40.1	36.2	33.4	31.8	32.1	32.4		
11	32.5	31.8	32.6	31.1	32.2	31.8	33.3	30.5	29.2	28.1	28.1	26.2	28.0	33.5	36.2	38.7	39.1	40.2	41.1	40.8	38.0	34.5	32.0	28.2	33.2		
12 Q	30.3	32.1	28.7	30.8	33.0	32.5	31.7	30.8	30.7	30.2	28.5	28.4	25.7	26.1	28.0	31.4	34.8	37.1	39.2	38.2	35.5	33.5	32.6	33.1	31.8		
13 D	33.0	32.5	32.4	32.5	32.3	32.1	31.4	30.7	29.3	28.4	27.4	26.3	25.8	31.2	50.0	43.7	40.8	36.9	39.9	39.8	38.1	37.2	35.3	30.8	34.1		
14	30.7	28.1	21.0	42.2	34.3	28.1	44.7	32.6	24.8	28.1	27.1	27.1	29.9	28.4	31.2	34.8	36.9	36.9	35.2	37.2	36.0	34.9	29.9	30.5	32.1		
15 D	18.3	27.5	30.0	43.3	43.3	39.2	39.8	28.0	26.6	31.0	30.0	28.1	28.1	31.7	30.7	31.1	35.4	36.2	36.6	41.6	38.3	37.2	33.5	33.5	32.9		
16	31.9	15.7	32.7	31.6	29.3	36.6	31.2	30.7	30.8	31.6	30.5	29.8	28.9	28.7	29.4	31.4	34.8	37.2	38.4	40.7	38.5	36.0	33.2	33.2	32.2		
17	35.6	29.9	33.9	33.4	33.1	30.3	28.4	29.4	29.0	29.0	30.2	28.1	26.8	29.4	31.6	36.9	40.3	41.6	40.5	38.7	35.2	32.6	31.9	32.5	32.9		
18 D	32.1	32.5	32.2	33.5	33.9	27.1	29.1	53.4	63.7	30.5	82.4	75.9	63.9	65.1	34.1	46.0	19.6					32.3	72.4	64.5			
19 D	76.3	38.7	49.6	42.3	64.2	67.4	70.1	57.2	23.5	32.0	18.7	18.7	23.4	24.3	30.8	34.1	38.4	37.6	36.2	35.9	25.4	34.3	36.6	36.3	39.7		
20 D	31.4	25.4	30.7	46.3	40.3	34.5	34.6	35.3	37.5	40.2	50.8	50.3	39.0	36.2	37.7	45.3	46.7	46.6	43.9	39.9	36.2	32.6	32.6	33.9	38.7		
21	34.7	34.5	34.3	16.9	35.5	37.1	31.1	28.5	49.8	39.9	36.6	37.5	34.4	33.4	33.8	38.0	44.3	42.1	40.9	39.0	37.1	35.3	34.6	34.6	36.0		
22 Q	34.4	34.8	35.3	34.8	34.3	34.9	35.2	32.3	30.5	30.5	30.8	30.6	30.2	29.9	31.4	34.8	38.5	42.2	43.6	42.1	39.0	36.4	34.8	34.4	34.8		
23	34.8	34.1	34.1	34.0	34.0	33.8	33.4	32.5	36.0	29.9	30.0	29.1	27.3	28.9	32.1	38.5	44.1	45.9	43.9	39.1	37.5	36.7	34.5	34.4	34.9		
24	33.1	30.8	33.7	32.7	33.9	29.1	29.6	29.9	29.4	29.0	30.0	27.5	25.7	32.6	31.7	35.5	39.4	42.6	43.6	42.6	39.9	40.2	34.5	26.6	33.5		
25	30.7	27.3	29.9	31.7	31.1	34.4	34.3	36.1	32.6	33.7	30.0	31.7	31.2	30.7	35.0	39.3	40.8	43.5	43.1	41.6	39.3	38.2	37.3	35.9	35.0		
26	33.8	33.0	33.0	33.0	32.1	32.1	32.1	31.9	31.0	30.7	30.8	29.8	27.5	28.3	30.7	33.6	36.1	36.6	36.5	35.0	33.2	32.8	34.0	34.2	32.6		
27	32.5	33.1	30.8	31.5	35.2	38.6	39.0	27.3	21.0	21.1	22.2	23.7	26.5	29.0	32.5	36.6	39.5	40.4	40.6	38.8	35.4	33.4	33.0	33.1	32.3		
28	32.9	32.9	33.8	33.1	33.0	32.9	32.9	30.8	28.9	28.7	29.2	28.4	27.5	28.3	30.3	32.6	35.9	36.5	37.1	37.1	35.9	38.3	38.1	34.5	32.9		
29	32.9	32.9	32.6	30.3	34.0	41.1	28.3	27.1	25.4	28.2	32.0	27.3	27.0	28.6	30.4	33.5	36.6	39.9	39.0	37.1	36.1	35.1	32.5	34.0	32.6		
30	33.4	22.6	31.8	33.4	31.8	32.4	30.4	32.8	33.4	30.1	30.1	36.1	30.8	28.9	29.5	33.7	38.6	38.4	37.7	36.1	35.7	33.8	33.8	33.3	32.9		
31																											
Mean	33.4	31.1	32.4	33.0	34.5	34.4	34.5	31.9	30.2	30.1	29.4	28.5	27.2	28.6	32.1	35.9	39.1	40.3	40.4	39.2	36.4	34.9	33.6	32.6	33.5		

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

Table 35 Agincourt

z = 56,000 γ +

September 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	486	488	470	484	481	477	449	473	470	483	486	486	481	478	484	486	486	490	496	498	502	498	496	494	484
2	499	496	490	483	484	485	460	445	475	486	482	485	481	481	482	485	487	490	493	493	498	503	499	502	486
3	487	490	489	487	487	486	484	483	485	485	488	488	485	479	480	478	478	480	481	484	486	487	484	482	484
4 Q	485	483	484	484	483	479	480	483	483	483	484	486	485	482	480	481	484	485	486	492	492	492	488	486	485
5 Q	485	483	483	482	482	479	480	482	483	483	483	484	481	479	479	480	481	485	488	491	493	494	491	489	484
6 Q	486	483	482	481	481	481	481	481	482	482	482	483	484	485	482	477	475	477	482	484	483	483	482	479	482
7	478	477	478	478	478	469	474	469	479	478	477	474	468	462	466	471	474	476	483	488	507	521	497	489	479
8	488	493	503	498	487	489	479	474	474	480	487	491	488	486	485	481	483	481	484	491	492	501	503	503	488
9	503	494	492	489	486	485	486	486	482	485	483	485	485	483	481	479	478	479	481	487	489	489	488	492	486
10	491	492	490	480	472	472	477	481	479	480	479	483	480	479	479	479	483	485	485	488	491	491	487	483	483
11	483	484	489	487	485	484	479	479	481	481	480	475	475	471	477	475	474	481	491	489	491	491	495	492	483
12 Q	489	488	483	477	483	481	482	481	480	480	480	481	484	483	482	477	481	481	487	486	486	487	486	483	483
13 D	480	481	480	480	480	480	480	479	479	477	480	475	475	479	469	450	457	465	475	480	492	510	528	541	482
14	519	511	480	416	418	417	321	378	416	468	480	481	478	480	477	474	481	494	495	500	508	515	528	522	469
15 D	489	483	493	473	428	408	419	446	463	469	469	471	475	475	473	474	473	480	488	510	534	553	510	492	477
16	498	486	490	486	461	443	464	481	480	480	483	479	481	481	478	478	483	486	492	492	495	498	500	502	483
17	499	491	486	490	488	486	479	485	484	483	476	477	480	480	481	480	477	487	493	493	493	490	486	486	486
18 D	483	486	488	486	472	416	463	355	323	264	453		405	376	404	531	652	734	547				376	350	
19 D	335	400	453	467	(417)	370	641	293	361	463	564	555	542	528	522	521	519	522	540	633	567	522	510	528	490
20 D	549	539	529	446	475	516	525	516	476	404	390	443	470	485	492	504	510	511	512	516	516	518	513	507	494
21	505	504	509	487	480	502	451	416	395	425	450	454	493	505	504	522	526	518	517	512	510	510	509	507	488
22 Q	505	507	509	508	507	492	498	499	505	502	501	503	503	507	507	500	494	492	498	504	506	506	501	502	502
23	502	499	499	501	501	499	499	496	484	488	495	498	502	503	496	501	506	510	507	510	502	502	503	505	500
24	513	514	513	499	463	471	489	499	501	499	499	499	499	499	492	487	482	480	487	499	516	534	546	575	505
25	557	561	531	524	516	510	504	481	454	445	472	480	484	499	509	507	510	511	519	525	533	528	522	515	508
26	510	506	505	505	505	506	504	504	501	499	500	502	500	499	499	495	495	500	505	507	510	506	501	502	503
27	499	499	500	495	486	476	440	453	465	474	478	482	489	494	493	490	493	497	501	505	504	502	499	498	488
28	499	498	499	496	497	494	489	492	492	492	493	494	493	491	490	486	480	480	485	486	499	504	503	500	493
29	496	494	491	496	485	467	488	496	488	479	476	478	481	486	485	488	492	498	500	502	502	510	509	508	489
30	502	480	479	494	498	496	494	492	482	489	488	485	482	489	490	490	492	496	498	502	502	503	502	498	493
31																									
Mean	494	493	492	485	479	476	479	470	472	477	482	485	486	487	487	486	487	488	495	502	504	506	503	501	488

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt

September 1941

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range
	15,000 γ +		15,000 γ +			7° W +		7° W +			56,000 γ +		56,000 γ +		
	h. m.	γ	h. m.	γ	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ
1	22 33	328	16 14	227	101	18 47	46.3	13 23	22.2	24.1	20 00	506	06 45	427	79
2	20 02	319	14 32	240	79	18 03	42.2	23 35	17.6	24.6	23 35	511	07 05	421	90
3	20 10	316	15 42	256	60	18 00	40.7	00 15	22.5	18.2	11 15	491	15 15	477	14
4 Q	21 25	375	15 04	237	138	17 50	42.8	12 39	25.2	17.6	21 20	497	05 45	475	22
5 Q	21 02	317	15 00	257	60	18 05	38.5	12 33	25.8	12.7	21 00	497	05 25	476	21
6 Q	20 05	338	15 00	269	69	18 15	41.2	13 17	23.5	17.7	19 27	487	16 00	473	14
7	19 55	347	14 10	203	144	18 01	44.7	12 48	16.7	28.0	21 03	533	06 04	446	87
8	22 20	319	15 05	197	122	18 01	43.6	13 21	24.0	19.6	21 48	506	07 25	464	42
9	20 48	333	14 55	258	75	18 10	43.5	23 55	18.7	24.8	00 10	506	16 20	476	30
10	21 00	319	15 10	248	71	18 50	41.6	00 01	18.9	22.7	21 00	498	05 30	468	30
11	00 43	316	14 12	274	62	19 23	41.6	12 08	24.1	17.5	22 40	499	13 23	469	30
12 Q	03 10	315	16 00	263	52	18 30	39.3	12 40	25.3	14.0	18 00	493	03 23	472	21
13 D	20 50	334	14 36	186	148	14 41	55.3	12 55	23.5	31.8	23 42	563	15 30	441	122
14	03 15	327	06 47	162	165	06 45	62.0	02 35	5.9	56.1	00 01	540	06 42	243	297
15 D	22 00	319	18 47	247	72	04 49	57.4	00 10	9.6	47.8	21 36	564	05 25	394	170
16	04 35	325	01 38	243	82	19 24	42.5	01 20	-3.9	46.4	01 13	528	05 10	434	94
17	21 50	319	14 35	253	66	17 32	43.5	01 40	24.0	19.5	00 50	500	06 10	471	29
18 D											(10 07	730	08 10	051)	679
19 D								(08 15	-1.2)		06 18	829			
20 D	21 15	294	11 27	080	214	11 30	61.3	01 03	6.8	54.5	00 48	560	10 06	370	190
21	03 34	310	08 20	065	245	08 33	65.1	03 36	-9.2	74.3	03 37	559	08 27	334	225
22 Q	23 40	297	15 50	234	63	18 50	43.6	13 28	29.3	14.3	04 50	510	05 30	480	30
23	20 38	322	15 20	208	114	17 20	46.6	12 15	24.9	21.7	17 07	512	08 45	476	36
24	23 06	362	23 40	220	142	18 58	45.1	23 50	5.7	39.4	23 02	631	04 45	453	178
25	11 23	298	15 00	225	73	17 52	44.2	00 01	12.3	31.9	01 05	587	09 00	429	158
26	20 04	312	16 00	255	57	16 58	36.8	12 28	27.0	9.8	20 04	513	16 00	495	18
27	03 50	308	16 17	229	79	06 17	47.3	08 40	19.3	28.0	03 00	511	06 30	423	88
28	21 27	328	15 05	259	69	22 06	41.5	13 00	27.2	14.3	21 27	512	17 00	479	33
29	19 40	332	04 52	250	82	05 08	58.1	04 00	18.6	39.5	21 30	515	05 09	456	59
30	01 31	323	15 35	254	69	07 53	40.2	01 25	17.2	23.0	21 00	508	02 05	461	47
31															
Mean		323		225	98		46.3		17.9	28.4		530		429	101
No. days		28		28	28		28		28	28		29		29	29

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

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

Table 37 Agincourt

H = 15,000 γ +

October 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	295	296	290	285	286	281	285	285	287	290	294	286	280	279	275	277	278	287	291	296	296	297	299	299	288
2	301	301	301	300	299	297	296	297	296	298	298	296	288	285	280	281	285	293	306	318	296	301	291	284	295
3	278	281	291	292	291	294	295	297	295	297	304	300	294	287	275	271	279	287	297	303	306	306	301	301	293
4 Q	304	306	308	306	308	306	305	308	310	309	305	304	296	287	275	272	284	295	300	306	311	311	306	305	301
5	295	296	299	299	298	295	292	290	292	285	290	287	289	278	264	258	260	274	294	301	310	310	308	304	290
6 Q	302	304	302	302	302	302	301	301	303	305	298	298	291	290	286	273	272	283	291	304	310	313	314	315	298
7 Q	310	314	315	313	311	311	308	308	308	308	311	311	301	291	281	276	279	286	299	310	311	312	319	317	304
8	321	306	289	279	270	294	299	297	299	303	305	304	292	277	265	254	251	255	265	279	290	290	295	297	287
9	299	297	299	289	282	287	290	295	297	298	300	300	291	277	266	257	254	256	271	290	295	301	305	309	288
10	306	305	305	305	305	302	305	305	306	306	306	308	298	285	278	271	269	276	285	302	300	302	301	306	297
11 D	300	282	275	286	289	286	311	280	265	237	213	257	275	280	272	241	236	216	246	256	280	288	280	251	267
12 D	250	272	251	252	261	271	262	266	280	284	291	286	277	275	264	257	246	256	269	279	287	288	290	284	271
13	284	296	292	292	290	282	281	294	297	301	297	301	299	287	274	266	268	271	276	287	292	294	299	296	288
14	296	291	287	287	297	294	287	287	291	293	295	297	301	277	271	245	275	282	277	279	284	290	300	287	286
15	275	279	287	290	279	269	244	257	263	270	283	301	293	291	286	279	278	275	282	274	290	288	281	294	279
16 D	291	293	288	249	266	281	280	287	291	298	302	301	288	280	275	266	261	269	271	285	296	280	291	298	283
17 Q	301	302	301	301	298	297	297	300	282	296	300	302	297	286	276	271	275	280	284	289	292	298	300	297	293
18	297	298	298	301	300	301	302	295	290	302	302	306	297	282	276	278	278	284	288	296	297	297	296	293	294
19	292	286	277	288	285	290	298	290	290	296	302	303	292	272	265	260	270	287	290	294	292	292	294	297	288
20	300	298	295	292	285	289	290	293	290	293	296	297	290	280	275	280	281	286	295	297	296	295	299	302	291
21 Q	304	291	297	298	291	295	301	302	301	302	302	301	288	273	262	260	262	276	293	306	314	313	312	313	294
22 D	307	308	307	303	303	302	302	298	306	309	308	307	302	291	291	269	252	237	273	288	278	281	296	278	292
23	282	281	279	278	298	296	284	286	286	291	292	291	278	263	248	253	271	279	278	281	291	289	279	273	280
24	282	287	293	288	282	287	292	291	282	287	297	298	288	271	261	246	250	257	274	265	275	288	296	283	280
25	294	296	288	287	293	297	296	298	299	301	301	302	294	281	260	255	257	266	277	285	293	301	307	303	289
26	303	298	297	297	297	297	299	303	302	294	302	307	298	283	272	266	267	272	277	288	314	302	296	289	292
27	292	291	293	291	291	296	297	301	297	298	297	296	288	275	259	261	266	273	285	293	298	298	301	303	289
28	304	301	298	301	299	300	301	297	298	299	301	300	293	282	275	287	279	281	283	288	297	297	304	292	294
29	302	293	301	302	303	302	303	306	306	303	304	306	297	291	286	288	291	292	299	301	301	304	308	308	300
30	304	299	293	301	300	301	301	304	303	306	306	308	308	297	280	282	282	285	292	292	297	303	303	297	298
31 D	292	297	292	296	257	229	261	280	290	287	293	295	289	277	289	293	294	288	263	281	315	315	327	432	293
Mean	296	295	293	292	291	291	292	294	294	295	297	298	292	281	273	268	269	274	283	291	297	298	300	300	290

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt

D = 7° W + ...'

October 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	32.5	32.4	32.4	33.5	32.0	33.5	31.0	28.9	29.5	31.8	31.0	28.8	28.4	28.3	29.9	32.8	34.0	36.6	37.4	35.9	34.3	33.8	33.8	33.1	32.3
2	32.4	32.1	32.4	32.3	32.5	32.4	30.8	29.7	29.2	30.1	30.5	30.0	30.0	29.3	31.7	34.0	36.7	38.0	38.2	37.1	36.0	34.4	33.4	33.1	32.8
3	33.6	32.5	32.0	32.1	32.5	31.8	32.5	32.1	31.0	30.7	30.1	29.6	28.7	28.8	30.8	34.0	36.5	37.9	37.9	36.4	34.2	32.9	33.1	32.8	32.7
4 Q	30.2	32.1	32.1	32.0	32.0	31.4	31.0	30.6	30.1	29.7	29.5	28.8	27.4	27.5	29.6	33.4	35.2	36.1	36.5	35.6	33.8	32.8	32.9	34.2	31.9
5	35.5	34.6	34.1	32.8	31.8	31.4	30.0	31.6	31.8	26.0	27.4	29.0	28.8	26.1	28.0	31.0	36.4	38.3	39.1	38.2	35.5	33.9	33.0	33.4	32.4
6 Q	32.8	32.8	32.4	31.6	31.9	31.9	31.2	31.0	31.9	29.2	28.4	27.8	25.8	27.1	29.0	30.4	34.0	36.4	37.2	36.5	35.6	34.5	33.5	32.6	31.9
7 Q	32.0	31.5	31.5	32.0	31.9	31.6	31.0	30.9	29.9	29.7	29.7	29.0	27.8	27.1	27.1	29.8	33.8	36.9	37.1	36.4	35.6	34.3	33.7	33.1	31.8
8	33.4	29.0	29.8	28.0	28.9	30.5	30.1	30.6	30.9	31.0	30.6	28.9	27.3	26.0	26.2	27.9	32.6	39.8	40.3	38.1	36.2	34.6	33.6	31.9	31.5
9	31.8	31.6	31.7	30.8	28.6	30.4	31.0	31.0	30.9	31.7	30.0	29.1	27.4	29.5	29.6	29.8	32.8	36.1	37.9	38.5	37.5	34.6	32.9	31.9	32.0
10	30.8	30.7	30.6	30.6	31.0	30.8	30.9	30.6	30.4	29.8	29.5	28.4	27.0	25.6	26.1	28.0	32.2	37.9	39.1	40.1	40.6	40.1	36.1	34.3	32.1
11 D	33.3	30.9	30.8	30.7	29.8	32.6	38.1	29.0	25.4	47.5	45.5	37.9	34.4	32.5	31.6	31.1	33.5	42.0	42.5	40.4	37.0	40.8	23.3	6.7	33.7
12 D	28.0	31.6	17.7	21.8	29.1	34.0	41.7	38.6	32.6	31.6	31.6	32.5	30.8	29.7	29.8	33.3	34.0	36.4	38.0	38.3	37.8	36.6	34.7	30.6	32.5
13	28.9	31.7	32.6	32.8	32.7	35.7	39.1	32.0	32.6	32.3	33.8	34.3	31.3	30.6	30.0	32.8	35.2	38.0	38.9	37.1	36.4	35.2	34.5	33.4	33.9
14	31.8	30.8	31.9	32.5	31.7	31.3	32.5	31.6	31.6	29.9	33.6	36.1	31.9	29.2	32.3	35.9	38.1	36.9	36.2	37.0	36.6	34.7	33.4	32.6	33.3
15	30.6	29.8	29.8	30.9	25.9	29.3	25.2	32.5	28.9	35.5	42.5	33.4	31.0	32.9	33.7	35.9	37.7	38.0	38.6	38.3	37.1	36.1	35.1	34.6	33.5
16 D	32.5	32.5	31.0	19.8	27.8	29.8	31.7	29.1	33.0	32.6	31.7	31.3	29.2	32.9	31.6	31.7	33.8	37.0	39.2	37.0	37.1	37.3	35.3	34.6	32.5
17 Q	33.3	33.3	33.3	32.8	32.6	32.5	31.7	30.8	27.7	31.5	32.2	31.6	31.6	29.5	29.0	32.2	33.5	35.6	36.4	35.1	34.0	33.6	33.0	33.0	32.5
18	33.1	32.3	32.9	32.9	32.5	33.8	33.3	30.5	33.8	30.1	29.2	29.5	27.5	27.4	29.5	32.5	34.6	36.8	36.8	35.9	34.8	33.6	33.6	33.6	32.4
19	33.5	32.3	26.1	30.6	30.5	30.8	38.8	26.9	26.0	25.5	26.3	28.8	26.9	28.8	32.9	34.7	38.9	39.9	36.9	34.5	33.5	32.8	33.2	33.0	31.8
20	32.4	32.3	31.9	31.5	31.5	30.6	31.5	31.5	24.3	23.7	25.3	26.9	26.0	26.7	32.1	36.2	37.3	37.4	36.8	35.1	33.5	33.0	33.0	32.6	31.3
21 Q	32.5	29.4	31.1	32.9	31.2	31.5	32.8	32.3	31.2	30.0	30.1	28.9	27.2	26.4	29.0	33.0	35.9	37.2	36.7	34.7	32.2	31.5	31.5	32.1	31.8
22 D	32.7	31.5	30.0	31.9	32.0	31.6	29.3	29.5	29.5	28.7	28.1	26.9	26.9	27.6	28.3	29.1	32.4	39.3	41.9	37.4	40.0	39.5	38.6	32.7	32.3
23	32.4	33.2	33.3	31.5	28.8	37.0	36.4	32.1	33.4	32.9	32.1	30.6	27.5	27.2	30.9	37.3	38.7	39.1	40.9	38.2	38.3	36.6	36.3	26.2	33.8
24	25.7	32.4	32.4	31.5	30.9	30.9	31.9	31.9	31.8	25.6	32.2	29.4	27.8	26.9	28.7	33.6	36.8	38.2	41.4	41.5	38.5	36.4	34.5	32.4	33.0
25	29.4	30.9	29.6	21.0	29.9	31.4	31.9	32.1	32.1	31.9	31.5	30.9	28.1	26.0	27.9	29.9	33.6	37.0	38.7	38.8	36.9	35.1	33.5	32.8	31.7
26	32.4	30.9	31.4	31.9	32.4	32.8	32.9	32.2	30.5	31.4	35.1	29.7	27.9	26.3	27.8	31.9	35.8	39.5	41.9	43.3	40.9	39.2	42.4	36.6	34.0
27	33.3	32.5	32.3	31.8	30.9	31.8	33.3	32.3	30.7	31.3	31.9	31.2	27.7	27.3	28.9	32.1	35.0	36.8	36.8	35.5	34.6	35.0	34.6	33.3	32.5
28	32.3	32.3	31.8	31.9	32.8	32.8	31.8	31.9	31.5	30.9	29.9	30.4	30.1	29.1	31.0	33.3	34.6	36.0	38.0	37.9	36.0	34.9	34.5	34.5	32.9
29	26.9	29.6	31.6	31.5	31.9	31.8	31.5	31.5	31.2	31.3	31.6	30.4	29.4	28.9	29.7	31.4	32.8	34.9	34.6	34.2	33.9	33.6	32.7	31.9	31.6
30	30.9	31.6	31.8	32.4	30.9	31.9	32.0	31.7	31.2	31.5	30.0	30.9	29.9	28.3	29.6	32.0	32.7	34.6	35.2	36.0	34.9	33.0	33.3	32.7	32.0
31 D	31.8	30.4	26.3	28.1	23.6	26.5	24.3	30.7	31.8	30.3	30.0	29.4	28.3	26.0	28.1	30.4	31.5	37.3	45.7	41.8	40.9	39.8	45.4	19.4	31.6
Mean	31.8	31.7	31.0	30.6	30.8	31.9	32.3	31.2	30.6	31.2	31.3	30.4	28.8	28.3	29.7	32.3	34.9	37.5	38.5	37.5	36.3	35.3	34.3	31.7	32.5

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

Table 39 Agincourt

Z = 56,000 γ +

October 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	498	496	497	501	500	496	496	494	495	496	496	497	496	495	493	492	492	490	495	498	498	496	494	493	496
2	493	490	489	490	490	491	490	490	489	489	487	486	486	485	485	483	481	485	489	495	494	496	498	502	490
3	508	503	496	491	492	492	482	480	479	483	483	489	489	488	485	485	492	492	496	498	496	492	492	492	490
4 Q	490	492	489	488	488	488	488	488	487	488	488	489	488	488	483	485	485	491	499	498	499	496	489	491	490
5	496	498	502	503	496	492	492	486	456	475	486	490	490	491	489	488	492	496	496	497	498	497	494	490	491
6 Q	492	492	490	490	490	489	488	489	482	477	486	490	491	492	485	482	482	486	483	488	490	490	490	488	488
7 Q	486	487	486	486	485	485	486	485	485	486	485	485	485	486	483	480	484	486	486	485	488	489	488	486	486
8	488	487	483	485	486	494	491	490	486	488	489	490	492	493	492	490	485	488	491	494	495	496	495	492	490
9	492	490	490	492	488	492	491	489	488	486	486	486	489	486	486	486	485	486	488	494	494	496	494	490	489
10	488	486	487	485	485	484	485	483	482	482	482	483	485	485	485	480	473	479	480	486	486	494	495	493	485
11 D	493	499	504	502	489	484	413	420	437	396	352	415	460	480	492	493	490	499	520	538	532	516	532	527	479
12 D	542	537	462	466	498	478	427	396	413	457	479	486	494	490	489	493	492	493	494	491	490	497	502	499	482
13	496	493	490	490	498	467	449	463	479	479	479	486	486	493	493	492	492	496	498	500	498	496	496	496	488
14	496	493	492	492	483	475	480	483	488	484	483	483	480	481	489	490	493	492	495	493	495	496	499	496	489
15	496	514	504	489	474	467	431	397	415	427	435	457	475	479	479	477	479	480	485	492	505	509	506	502	474
16 D	496	490	490	478	485	485	477	473	484	485	488	487	489	486	484	486	492	492	487	485	498	509	500	496	488
17 Q	492	488	485	484	486	485	480	460	457	472	479	480	485	486	486	484	485	485	490	494	492	490	490	488	483
18	484	484	484	485	483	478	473	473	475	472	475	475	479	480	479	480	482	483	484	492	492	492	492	493	482
19	492	493	490	490	490	486	449	455	473	474	477	482	485	486	482	475	480	483	485	489	490	492	489	490	482
20	490	489	489	488	489	482	472	435	455	467	473	479	482	474	468	465	467	470	474	479	486	486	484	484	476
21 Q	484	485	485	485	480	479	485	480	482	482	481	483	482	483	480	479	481	488	488	483	482	482	482	482	483
22 D	482	482	477	480	479	475	461	472	478	479	480	479	480	480	470	463	466	479	536	527	514	510	538	529	488
23	500	493	492	492	447	441	467	474	479	480	479	486	490	486	481	482	486	490	499	503	502	504	506	515	486
24	499	496	493	487	489	485	485	485	479	479	483	486	488	490	488	484	487	489	496	501	515	497	495	497	491
25	495	491	489	478	476	479	484	485	485	485	485	487	488	485	480	476	474	478	482	483	485	486	484	483	484
26	482	483	485	485	485	482	481	483	480	474	462	469	474	478	478	473	478	481	489	492	501	509	514	521	485
27	508	503	492	488	487	485	486	486	480	482	483	484	487	487	484	482	482	484	485	487	489	488	488	488	487
28	487	486	485	485	485	485	479	483	485	485	484	485	487	487	485	479	482	483	486	491	491	489	492	495	486
29	489	490	489	485	484	483	482	483	483	479	481	480	481	479	477	473	473	475	478	479	483	483	479	481	481
30	479	479	481	470	472	477	479	479	478	479	475	473	473	472	466	468	471	472	476	481	483	482	483	483	476
31 D	484	484	481	478	437	459	458	496	497	495	489	489	490	484	479	478	478	479	484	513	565	607	632	676	505
Mean	494	493	489	487	484	482	474	472	475	476	477	482	485	485	483	482	482	486	491	495	498	499	500	502	486

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt

October 1941

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 15,000 γ +			Minimum 15,000 γ +			Range γ	Maximum 7° W +			Minimum 7° W +			Range γ	Maximum 56,000 γ +			Minimum 56,000 γ +			Range γ
	h.	m.	γ	h.	m.	γ		h.	m.	'	h.	m.	'		h.	m.	γ	h.	m.	γ	
1	01	25	299	14	39	270	<u>29</u>	18	05	37.7	13	40	27.1	10.6	03	15	503	16	35	490	13
2	19	36	335	23	43	274	61	16	07	38.1	08	15	28.6	<u>9.5</u>	23	55	505	17	00	479	26
3	20	45	308	15	05	264	44	17	40	38.8	13	06	27.7	11.1	01	15	508	06	25	476	32
4 Q	21	05	321	14	26	267	54	18	18	37.1	13	10	26.3	10.8	21	00	503	15	00	479	24
5	21	12	315	15	26	258	57	18	31	39.8	09	13	24.7	15.1	03	05	508	08	42	444	64
6 Q	23	10	318	15	47	260	58	18	30	37.5	12	38	23.9	13.6	13	45	492	09	20	473	19
7 Q	22	35	322	16	33	270	52	18	00	37.9	14	18	26.4	11.5	22	34	490	17	00	480	<u>10</u>
8	00	01	326	16	55	249	77	18	14	41.7	01	55	24.7	17.0	21	00	497	04	00	467	30
9	21	31	315	17	00	249	66	19	58	38.9	12	30	26.5	12.4	21	30	496	14	40	482	14
10	19	48	322	16	45	267	55	21	10	41.8	13	35	24.7	17.1	21	08	500	16	20	473	27
11 D	06	12	326	10	40	<u>176</u>	150	09	25	<u>60.7</u>	23	07	<u>-16.9</u>	<u>77.6</u>	23	34	561	10	35	<u>302</u>	259
12 D	10	40	296	02	28	227	69	06	40	45.2	02	30	1.3	43.9	01	00	583	02	35	391	192
13	09	50	304	18	10	264	40	06	10	43.6	00	33	27.0	16.6	20	00	500	06	01	441	59
14	12	23	305	15	50	241	64	15	54	41.9	04	22	27.0	14.9	23	59	503	05	10	470	33
15	11	19	307	06	50	230	77	10	00	46.4	06	38	21.6	24.8	01	35	515	07	32	380	135
16 D	11	00	305	03	34	231	74	18	20	40.6	03	45	15.3	25.3	21	37	516	07	15	461	55
17 Q	07	10	312	15	20	268	44	18	00	37.0	08	15	25.5	11.5	20	00	494	08	10	447	47
18	06	50	303	14	43	271	32	17	00	37.0	12	41	26.3	10.7	23	00	494	07	00	461	33
19	06	40	307	15	55	252	55	17	00	42.6	02	20	21.6	21.0	01	00	493	06	45	435	58
20	23	59	302	14	55	272	30	17	32	37.8	08	55	21.7	16.1	01	50	492	07	21	421	71
21 Q	23	25	315	15	00	257	58	17	45	37.8	13	20	26.3	11.5	17	50	489	05	20	473	16
22 D	19	58	347	17	14	215	132	18	07	48.1	13	27	24.6	23.5	23	05	580	02	10	455	125
23	05	13	310	14	22	240	70	18	22	42.5	23	48	17.7	24.8	23	36	524	04	55	424	100
24	11	05	301	16	10	242	59	18	52	42.9	00	10	17.3	25.6	20	15	518	08	57	475	43
25	23	00	310	15	50	246	64	19	00	40.3	03	47	16.3	24.0	00	01	496	03	55	465	31
26	20	57	325	15	53	262	63	19	04	45.2	13	38	25.3	19.9	23	35	528	10	31	455	73
27	23	40	303	15	00	252	51	17	03	37.2	12	28	26.4	10.8	00	08	522	08	12	478	44
28	22	18	307	14	20	271	36	19	00	39.1	13	17	28.3	10.8	23	59	499	16	17	479	20
29	00	37	322	14	50	282	40	17	50	35.2	00	35	18.3	16.9	00	20	501	00	52	469	32
30	03	36	312	14	46	271	41	19	07	36.7	14	05	27.0	9.7	03	13	484	03	52	456	28
31 D	23	30	<u>483</u>	05	52	182	<u>(301)</u>	22	28	54.5	23	53	<u>-10.3</u>	64.8	23	21	<u>735</u>	05	52	337	<u>398</u>
Mean			319			251	68			41.3			20.9	20.4			517			449	68
No. days			31			31	31			31			31	31			31			31	31

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

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

Table 41 Agincourt

H = 15,000 γ +

November 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 D	(458)	305	136	119	101	-55	-52	62	166	211	196	185	226	217	218	228	236	261	284	280	275	276	276	276	204
2	278	278	282	282	282	283	284	288	287	288	289	292	292	291	287	284	279	279	283	282	283	282	284	283	284
3	277	290	294	293	292	293	292	293	295	298	299	299	290	282	273	280	283	282	284	287	297	302	309	307	291
4 Q	302	304	304	298	293	290	292	293	293	294	293	294	289	278	277	273	272	282	288	298	312	308	307	307	293
5	309	307	305	307	304	299	302	298	298	300	299	299	293	283	278	272	275	268	289	307	302	279	278	293	294
6 D	283	296	288	297	287	256	205	175	213	225	247	243	268	289	292	273	269	271	288	293	305	275	277	276	266
7	263	292	287	289	286	289	283	271	289	288	286	297	289	275	271	271	258	258	276	283	300	298	297	288	283
8	287	289	268	263	278	269	261	276	287	268	289	297	292	268	253	267	261	263	256	278	293	298	298	296	277
9	287	293	294	295	293	294	298	298	302	298	291	299	299	277	263	251	276	278	283	289	292	298	302	302	290
10 D	297	287	282	279	283	282	291	288	285	282	301	303	295	255	262	288	275	265	256	270	287	289	292	263	280
11	228	255	253	256	285	290	289	290	289	270	290	301	300	287	281	271	268	260	270	286	299	299	294	290	279
12	293	295	293	291	290	295	299	292	298	296	299	300	298	292	282	283	276	279	281	291	289	280	293	293	291
13	290	289	292	286	294	297	298	299	294	293	297	297	304	300	291	287	283	282	287	287	295	300	303	295	293
14	294	299	295	297	294	295	296	296	295	301	301	303	304	295	287	281	282	286	292	298	301	299	298	295	296
15 Q	300	302	302	302	302	302	304	307	309	310	312	309	307	300	290	289	294	298	304	310	315	314	318	315	305
16 Q	315	308	303	298	296	308	306	310	309	310	310	310	306	298	293	290	293	297	308	315	325	319	326	325	307
17 D	324	314	306	299	293	293	267	268	250	263	301	302	278	259	264	222	242	269	273	294	272	266	284	284	279
18	284	280	277	298	280	280	279	257	253	244	279	283	289	284	284	259	259	262	279	272	289	293	292	302	277
19	287	289	294	295	293	299	289	294	298	294	303	290	287	285	283	286	293	305	310	309	305	283	300	294	294
20	295	302	301	301	295	294	306	306	301	304	306	306	301	295	291	292	296	305	316	316	309	321	326	317	304
21	309	301	313	304	300	300	301	301	301	301	304	304	296	282	265	263	269	278	294	302	309	306	302	300	296
22	300	305	302	302	300	301	301	305	306	300	304	301	299	285	279	258	268	288	297	311	301	279	307	305	296
23	301	291	285	275	270	285	287	285	291	299	305	305	291	287	276	271	282	287	293	301	303	306	298	305	291
24 Q	304	302	303	300	300	301	299	299	299	301	305	305	305	301	295	287	286	287	295	302	310	309	311	313	301
25	309	308	305	305	301	300	300	298	301	309	310	313	311	308	305	303	298	298	297	298	298	303	305	305	304
26 Q	302	303	300	300	296	297	300	300	304	305	307	307	302	305	302	299	292	294	295	299	305	310	315	310	302
27	311	310	307	312	311	304	285	282	297	301	311	317	318	312	307	299	294	299	305	317	322	324	321	325	308
28 D	319	306	296	277	257	240	204	158	65	121	240	278	280	265	261	257	266	263	247	264	286	293	288	285	251
29	285	282	278	278	271	277	276	275	268	273	273	281	279	275	276	275	273	280	290	295	297	301	301	301	282
30	301	303	297	300	297	295	296	297	297	297	294	298	296	297	294	291	293	297	308	307	298	308	305	307	299
31																									
Mean	300	296	288	286	284	278	275	275	278	281	291	294	293	284	279	275	276	279	287	295	299	298	300	299	287

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt

D = 7° W + ...'

November 1941

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	27.6	17.6	17.7	17.2	21.6	35.8	78.1	23.0	24.6	22.3	32.8	49.0	48.6	48.8	42.6	44.0	52.7	47.1	37.0	36.1	35.1	34.2	33.1	32.9	35.8
2	32.4	32.8	32.7	33.7	33.9	34.2	34.1	33.9	33.1	32.6	32.3	31.8	30.7	29.7	30.4	33.7	35.8	37.5	37.2	35.8	35.0	34.7	35.1	34.1	33.6
3	32.7	32.4	32.2	32.2	31.9	33.0	31.9	31.2	30.9	30.4	31.3	30.7	29.0	27.6	27.9	33.5	37.0	36.4	36.0	35.8	35.0	33.9	34.6	33.5	32.6
4 Q	32.0	32.1	33.0	33.1	32.3	31.5	30.9	31.2	29.9	30.3	29.9	29.8	29.1	29.0	29.4	32.6	35.8	36.3	36.3	35.4	34.4	33.9	33.8	32.3	32.3
5	32.9	31.9	31.1	30.9	31.5	31.2	31.6	29.1	29.4	29.6	29.1	29.2	28.5	27.3	27.8	35.2	36.0	37.4	40.5	37.6	39.9	39.4	35.8	32.8	32.8
6 D	26.9	27.5	31.2	28.9	31.8	27.6	31.2	41.1	35.1	32.9	33.3	50.7	52.4	41.2	29.9	38.8	36.9	38.7	38.5	36.7	35.3	28.2	26.1	29.7	34.6
7	21.8	26.9	31.1	31.9	33.9	34.2	33.7	40.9	37.0	36.4	34.7	32.9	29.4	28.3	28.5	32.7	36.9	37.2	38.2	38.0	37.6	34.7	33.9	32.8	33.5
8	28.3	30.1	28.8	25.2	27.9	27.8	34.2	35.2	32.2	31.8	32.2	29.8	27.5	28.5	33.9	31.1	33.7	36.0	39.1	38.5	36.4	33.9	32.1	31.9	31.9
9	29.7	30.9	31.2	31.6	32.2	36.0	33.2	33.3	32.1	29.6	34.9	37.1	37.6	32.6	33.0	37.0	37.8	37.7	38.7	37.0	35.1	34.2	32.8	31.6	34.0
10 D	31.8	32.0	27.0	30.5	31.0	32.7	34.9	33.9	32.9	41.0	30.9	29.7	28.9	40.6	45.1	36.6	35.7	41.0	40.8	39.7	36.7	34.6	33.0	32.4	34.7
11	26.4	26.4	24.2	28.7	31.5	32.4	33.3	32.5	32.5	43.2	33.4	29.7	30.5	28.6	28.8	32.1	34.3	38.0	39.4	37.4	36.3	35.8	33.6	33.3	32.6
12	31.9	31.0	31.9	31.3	31.9	31.9	36.3	31.7	31.9	29.9	30.6	30.2	30.1	29.4	29.6	31.1	32.7	35.2	36.5	36.9	35.3	31.2	31.4	32.4	32.1
13	30.9	29.9	29.7	30.0	31.5	32.9	34.5	32.4	35.0	32.7	29.7	33.1	30.7	29.5	31.4	32.5	35.1	36.3	37.9	38.5	36.0	33.9	32.0	32.7	32.9
14	31.6	30.9	31.1	31.3	31.2	32.6	32.7	33.2	33.9	31.5	32.5	30.9	29.6	27.9	28.8	30.5	33.6	35.6	35.8	35.6	34.3	33.3	32.8	32.3	32.2
15 Q	31.3	30.9	31.2	31.5	31.8	31.9	31.8	32.4	31.5	31.1	29.1	30.6	29.7	27.1	28.9	31.9	35.1	36.3	36.7	35.3	33.6	33.1	32.2	30.9	31.9
16 Q	30.7	31.2	30.9	32.4	29.6	29.7	31.8	32.2	30.9	30.6	30.3	30.0	29.5	28.7	28.5	31.9	33.7	34.3	35.1	34.7	34.3	34.5	34.7	33.3	31.8
17 D	31.2	31.8	33.9	32.6	25.4	34.2	28.5	28.9	33.4	33.8	27.9	27.6	33.3	39.4	40.7	42.8	45.0	42.6	41.6	38.0	36.4	35.5	33.4	30.9	34.5
18	28.5	28.7	29.9	35.0	31.4	31.6	34.3	37.0	38.9	40.0	34.0	34.2	33.6	34.1	35.9	38.3	38.8	40.6	43.0	43.7	36.7	32.3	29.2	30.7	35.0
19	33.2	7.6	25.4	31.7	32.3	34.2	32.1	33.2	30.8	30.8	32.3	29.6	29.0	28.5	28.8	32.1	34.9	35.5	34.7	34.2	34.2	36.1	34.5	33.3	31.2
20	29.0	29.6	31.9	31.6	31.5	32.4	35.2	35.8	30.3	29.6	28.9	29.6	29.0	29.5	29.8	32.4	33.9	36.3	37.0	36.1	34.6	33.3	33.0	32.8	32.2
21	34.4	32.7	27.6	29.0	32.3	32.6	33.5	32.2	31.4	30.0	30.3	29.0	28.7	26.9	27.9	32.5	35.0	37.0	37.2	36.2	34.4	34.6	33.4	33.6	32.2
22	29.5	29.9	29.9	31.7	30.7	31.2	31.0	32.7	32.5	31.3	28.9	29.3	27.9	27.6	29.3	33.9	37.2	38.5	38.5	37.0	39.8	36.0	35.0	33.3	32.6
23	33.9	30.6	28.9	26.1	27.6	30.5	33.5	32.7	38.9	35.1	30.9	30.3	30.6	31.7	30.8	32.5	34.2	36.6	37.9	37.0	35.9	35.5	33.9	33.6	33.0
24 Q	32.4	30.8	30.6	30.9	31.7	32.2	32.2	31.5	31.4	31.4	31.8	30.9	30.5	29.5	28.9	30.7	31.8	34.2	35.5	35.4	34.4	34.2	32.5	31.6	31.9
25	30.9	30.6	30.3	29.8	30.8	30.7	31.6	32.2	34.2	31.0	30.9	31.4	30.1	29.7	28.9	30.6	32.7	33.9	34.4	34.2	33.6	33.1	31.9	30.9	31.6
26 Q	30.6	30.3	30.3	30.5	30.6	32.1	32.5	32.7	31.3	30.9	30.5	30.5	31.0	29.9	28.7	30.5	32.2	33.5	34.2	33.3	32.8	32.6	31.6	31.6	31.4
27	30.9	30.9	30.9	30.9	30.8	27.9	28.2	28.9	31.0	29.0	28.2	28.2	27.9	31.3	29.9	31.7	33.5	34.1	34.3	33.9	32.6	32.1	31.3	30.8	30.8
28 D	29.9	29.2	29.0	27.2	25.5	26.0	30.5	31.2	36.4	42.4	24.0	28.8	26.1	27.9	31.8	34.3	37.0	39.6	45.2	44.4	40.5	36.1	35.6	32.1	33.3
29	31.6	32.6	31.8	31.8	31.5	31.6	32.4	32.1	30.9	27.6	27.0	28.0	27.2	27.9	29.9	32.6	33.9	35.0	36.2	35.5	34.6	34.1	33.5	32.1	31.8
30	31.5	32.9	32.5	31.8	32.1	32.4	31.6	31.5	31.4	30.9	30.1	29.8	29.7	28.1	28.1	31.2	35.5	37.0	37.0	35.2	34.7	34.1	32.4	31.9	32.2
31																									
Mean	30.5	29.4	29.9	30.4	30.7	31.9	34.0	32.7	32.5	32.3	30.8	31.8	31.2	30.9	31.1	33.7	36.0	37.2	37.7	36.8	35.5	34.1	32.9	32.2	32.8

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

Table 43 Agincourt

H = 56,000 γ +

November 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	668	542	420	465	407	513	406	389	384	404	406	426	434	462	502	527	513	506	493	491	494	500	499	499	473	
2	498	497	495	495	495	497	498	498	499	496	496	496	496	493	489	489	490	491	494	497	501	502	502	505	497	
3	503	498	494	490	489	491	493	492	491	490	488	490	491	491	491	488	491	494	495	494	495	497	492	491	492	
4 Q	491	491	495	495	494	493	496	493	491	491	490	491	491	489	483	477	483	484	488	488	489	491	489	486	489	
5	488	489	486	485	486	485	485	484	486	487	485	485	483	483	481	478	479	488	491	492	499	514	509	499	489	
6 D	494	488	487	449	444	417	345	316	296	369	371	402	426	448	479	483	485	491	507	512	508	525	519	516	449	
7	506	497	490	490	468	471	465	449	452	462	473	479	479	485	484	487	489	498	505	501	497	492	494	495	484	
8	497	499	490	459	462	465	428	419	448	459	471	479	485	485	489	480	485	484	495	495	491	491	491	491	476	
9	489	488	488	488	486	478	472	478	482	478	477	466	470	473	482	483	484	481	481	482	490	490	488	488	482	
10 D	488	490	487	491	485	480	475	477	482	467	473	482	484	482	478	476	481	491	506	500	494	492	490	504	486	
11	529	517	505	480	469	481	483	481	473	430	439	467	472	477	478	480	479	484	496	496	493	496	497	496	483	
12	491	487	486	485	481	473	452	469	477	479	481	481	482	482	481	479	478	483	484	489	491	499	495	490	483	
13	489	488	486	484	483	480	478	477	477	467	476	478	476	477	472	470	473	477	478	484	488	487	484	486	480	
14	486	483	484	483	483	477	477	473	480	483	479	480	483	480	477	476	478	478	484	488	489	486	486	485	481	
15 Q	483	483	483	482	482	481	482	480	478	477	474	476	477	477	472	470	468	472	477	478	478	477	477	477	477	477
16 Q	475	475	475	478	472	472	475	477	477	476	476	476	477	476	474	468	468	471	473	476	480	476	480	477	475	475
17 D	477	483	480	477	452	428	439	446	433	415	454	457	452	456	467	496	500	504	514	511	511	511	505	496	474	
18	490	490	491	467	476	475	472	452	426	399	457	463	473	475	480	476	488	492	500	520	514	497	497	493	478	
19	510	500	488	493	490	486	478	481	477	480	479	476	478	479	475	473	471	475	479	480	484	486	488	493	483	
20	499	488	484	481	481	481	463	463	470	475	479	478	476	476	475	478	476	475	478	477	477	476	476	477	478	
21	490	493	480	474	480	480	478	478	478	475	477	476	481	481	478	476	475	481	484	487	488	490	490	491	482	
22	490	486	484	480	480	479	479	480	470	473	475	480	480	475	473	464	470	474	478	480	485	497	494	490	480	
23	496	500	501	484	479	481	481	473	453	463	474	474	474	475	476	475	475	476	479	481	480	481	478	481	479	
24 Q	480	481	480	478	475	472	475	474	474	473	473	473	473	473	468	463	464	468	474	479	480	481	475	475	474	
25	475	474	473	474	474	473	473	470	466	468	470	469	469	470	470	470	473	478	480	482	482	481	479	479	474	
26 Q	478	475	475	476	476	476	470	470	473	475	474	474	473	470	470	463	463	467	473	474	474	475	473	470	473	
27	468	470	470	474	469	458	457	470	476	475	473	472	467	464	463	463	464	467	470	476	481	478	478	476	470	
28 D	474	480	492	488	449	451	428	346	323	349	433	510	500	496	493	497	499	503	517	549	532	532	507	499	473	
29	498	499	498	497	503	502	497	472	448	462	472	478	484	489	487	486	486	486	487	489	486	489	485	483	486	
30	483	484	484	484	485	482	481	481	481	480	480	480	480	480	479	471	474	473	477	477	476	481	478	480	480	
31																										
Mean	496	490	484	481	475	475	466	460	457	459	467	474	475	477	478	478	480	483	488	491	491	492	490	488	479	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt

November 1941

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range	Maximum 7° W +		Minimum 7° W +		Range	Maximum 56,000 γ +		Minimum 56,000 γ +		Range
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1 D	00 10	484	05 45	-154	(638)	06 23	110.8	01 34	-40.2	151.0	00 33	776	07 34	304	472
2	12 00	293	17 05	277	16	23 09	38.7	14 03	29.3	9.4	23 38	508	15 30	489	19
3	22 20	313	14 20	263	50	16 50	37.3	13 37	26.6	10.7	00 04	506	16 00	485	21
4 Q	02 50	313	15 50	268	45	17 00	37.0	13 37	28.2	8.8	02 50	495	15 25	470	25
5	20 13	329	17 40	254	75	20 53	43.7	14 24	26.9	16.8	21 41	519	16 00	475	44
6 D	20 15	313	07 21	120	193	11 53	60.0	21 52	16.2	43.8	21 50	547	08 25	267	280
7	11 45	300	17 13	248	52	07 33	43.4	00 54	13.3	30.1	00 19	514	07 50	439	75
8	11 15	301	18 15	238	63	07 00	42.3	03 26	20.6	21.7	19 00	506	07 04	389	117
9	23 45	304	15 30	239	65	11 08	39.7	09 30	28.7	11.0	21 00	492	11 20	463	29
10 D	11 26	309	17 55	216	93	14 15	51.3	02 32	24.2	27.1	23 59	516	09 52	459	57
11	20 46	306	00 20	208	98	09 40	49.6	02 28	21.8	27.8	00 54	534	10 03	384	150
12	06 00	308	17 00	271	37	06 10	39.8	14 02	27.8	12.0	21 25	506	06 15	446	60
13	12 45	304	17 00	278	26	19 13	38.9	13 40	28.0	10.9	00 01	489	09 22	466	23
14	12 30	306	17 25	279	27	18 50	36.2	13 26	27.0	9.2	21 00	490	07 22	471	19
15 Q	22 00	321	15 00	285	36	18 00	37.8	13 30	26.4	11.4	01 00	483	16 00	467	16
16 Q	20 45	330	14 40	289	41	22 55	36.9	04 57	26.4	10.5	23 00	481	15 00	467	14
17 D	00 48	335	15 27	202	133	17 16	50.7	04 33	16.1	34.6	21 20	520	09 12	372	148
18	03 12	308	09 50	220	88	19 27	47.8	22 35	26.8	21.0	19 48	527	09 48	374	153
19	20 57	315	01 05	232	83	22 00	37.8	01 10	-21.3	59.1	01 15	582	01 38	463	119
20	22 15	328	14 22	284	44	07 01	38.8	00 43	22.5	16.3	00 38	505	07 04	453	52
21	03 00	337	14 30	255	82	17 50	38.0	02 48	13.4	24.6	01 28	497	03 05	461	36
22	19 50	320	15 40	250	70	19 54	42.8	13 02	25.9	16.9	21 15	502	15 46	463	39
23	21 35	311	14 54	264	47	01 42	43.3	03 20	18.7	24.6	01 51	511	08 25	447	64
24 Q	20 50	315	16 50	284	31	19 00	36.0	14 25	28.7	7.3	00 20	482	15 00	460	22
25	11 47	315	17 00	289	26	08 11	35.4	14 20	28.5	6.9	20 15	483	08 15	462	21
26 Q	22 25	315	16 40	291	24	18 45	35.0	14 09	27.8	7.2	06 00	479	16 00	463	18
27	03 45	327	07 02	270	57	18 00	35.8	06 05	23.4	12.4	19 57	481	05 56	444	37
28 D	00 24	319	08 26	28	347	09 48	75.0	07 21	13.5	61.5	18 47	591	08 25	191	400
29	21 58	307	08 50	259	48	18 40	37.1	10 02	24.8	12.3	04 34	506	08 23	436	70
30	18 45	311	16 04	283	28	17 35	37.9	13 33	27.2	10.7	04 50	485	20 25	471	14
31															
Mean		320		231	89		44.5		20.2	24.3		517		430	87
No. days		30		30	30		30		30	30		30		30	30

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

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

Table 45 Agincourt

H = 15,000 γ +

December 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	308	309	297	311	298	301	317	305	265	250	191	201	261	211	124	198	260	302	279	306	294	299	240	234	265	
2 D	228	242	235	234	210	235	256	233	254	261	263	275	260	251	254	260	255	256	275	276	281	285	286	290	256	
3	285	285	285	292	285	285	286	290	290	291	292	291	286	283	279	278	282	287	297	312	302	304	307	305	291	
4	297	301	303	288	289	292	292	293	302	296	304	292	296	283	280	282	285	288	288	288	297	298	300	297	293	
5	296	296	297	296	296	296	292	292	296	294	296	298	299	296	293	289	286	283	275	275	275	290	290	295	291	
6	302	296	290	278	282	286	285	285	285	285	288	296	294	288	280	267	262	272	282	285	290	290	294	295	286	
7	290	288	285	290	290	293	293	293	290	290	292	298	295	287	275	266	267	270	281	285	293	298	293	287	287	
8	289	287	285	287	292	289	290	290	293	296	298	300	293	287	278	271	274	277	290	298	298	290	282	291	288	
9	293	293	295	293	293	294	298	300	301	301	301	297	288	298	293	280	278	279	286	293	295	298	293	284	293	
10	295	294	285	290	303	287	290	293	293	298	301	299	293	288	284	280	287	290	294	295	296	296	295	296	293	
11 Q	295	293	290	288	290	291	293	295	297	297	301	298	297	293	288	285	285	285	290	297	301	302	303	300	294	
12 Q	300	299	296	297	294	296	299	301	301	301	301	299	298	285	281	271	271	270	273	283	293	296	296	295	291	
13	288	299	296	297	294	296	299	301	301	301	301	299	298	285	281	272	272	270	273	283	293	296	296	295	291	
14 D	256	253	246	286	279	288	289	285	289	290	289	306	290	286	259	273	271	277	278	280	271	253	281	291	278	
15	288	283	283	286	279	286	286	292	291	293	294	294	294	288	286	281	279	277	282	286	286	287	294	294	287	
16 D	297	289	261	263	258	278	294	278	276	283	286	288	288	292	291	289	287	287	287	289	293	295	296	296	285	
17	299	297	292	288	288	285	281	275	281	286	289	294	294	291	286	274	271	270	282	296	289	298	285	291	287	
18	301	289	285	286	284	277	286	281	274	270	291	297	299	293	288	277	278	285	294	306	309	313	300	300	290	
19	302	299	296	293	292	292	297	298	293	292	288	295	297	291	281	274	281	286	290	296	299	296	300	301	293	
20 Q	300	305	305	301	299	298	297	299	297	299	296	300	297	290	282	279	284	284	289	298	302	304	307	308	297	
21 Q	305	303	298	295	298	295	298	298	298	297	298	300	302	297	290	282	281	288	295	304	308	309	308	302	298	
22	302	303	299	295	295	298	300	302	303	304	305	306	305	299	291	285	272	271	282	293	301	303	305	301	297	
23	296	299	296	299	293	293	295	300	305	305	310	310	313	313	310	296	284	292	302	302	309	300	292	282	300	
24	292	295	288	287	292	295	298	302	302	296	300	300	310	313	306	300	291	282	290	295	298	305	305	302	298	
25 Q	304	303	302	303	298	303	303	300	308	308	308	307	305	304	302	292	284	284	290	300	313	313	314	312	303	
26	310	308	308	307	304	300	296	300	303	305	308	308	303	300	301	297	287	284	290	298	310	310	293	296	301	
27 D	302	278	280	289	296	291	285	288	290	291	296	300	297	293	291	281	275	281	280	292	304	311	306	293	291	
28	304	299	289	288	285	285	293	296	297	297	299	299	301	296	291	279	275	280	293	303	307	310	312	309	295	
29	285	301	299	296	299	291	291	290	294	298	301	298	295	295	290	275	268	280	293	296	304	296	295	299	293	
30	301	299	299	299	297	298	295	297	296	293	297	298	296	299	293	284	278	275	283	299	306	304	296	303	295	
31	298	293	292	300	300	299	298	296	301	301	301	301	299	295	285	274	267	293	306	307	304	303	305	306	297	
Mean	294	293	289	290	289	290	292	291	292	293	293	295	295	290	282	278	277	281	287	294	297	298	295	295	290	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt

D = 7° W + ...'

December 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	32.3	31.1	29.9	31.8	30.9	31.1	28.4	31.1	32.6	27.8	53.9	34.8	23.3	31.8	51.5	46.6	35.0	37.5	39.3	35.7	34.4	31.5	29.8	21.9	33.9	
2 D	22.7	25.7	27.8	33.5	28.3	23.7	36.0	36.9	34.2	31.1	33.3	31.2	30.3	31.3	33.0	35.0	37.1	38.9	39.5	39.9	36.9	34.1	32.8	32.3	32.8	
3	32.3	32.3	32.4	33.2	33.6	33.5	33.2	33.1	32.6	31.5	31.5	31.6	30.8	29.8	30.5	33.4	34.2	35.9	37.4	36.3	36.6	34.6	33.8	34.9	33.3	
4	32.2	32.7	29.5	24.1	29.6	31.4	32.3	33.7	31.3	28.8	29.9	30.5	34.9	29.4	30.4	33.7	35.9	39.9	40.8	41.4	41.3	34.6	33.5	32.7	33.1	
5	31.8	31.0	30.9	30.8	28.7	29.0	30.9	32.8	34.0	29.1	29.8	29.8	29.6	29.6	30.7	29.9	33.5	36.1	38.2	41.8	34.2	36.4	35.9	34.3	32.5	
6	31.5	31.4	30.8	31.8	31.1	31.1	31.4	31.9	34.6	31.8	31.4	31.0	29.6	29.6	30.5	33.2	36.8	38.1	37.7	36.0	35.1	32.6	32.0	31.0	32.6	
7	30.9	30.6	30.9	31.3	32.5	33.2	33.9	33.1	33.5	34.4	31.0	30.0	28.8	28.0	29.7	33.4	35.8	37.2	38.1	37.2	34.8	32.3	31.4	32.0	32.7	
8	31.0	30.4	31.7	31.8	32.6	32.3	32.7	33.8	34.0	31.3	29.6	30.2	29.8	28.7	30.9	34.4	37.1	38.9	39.5	35.9	33.4	33.2	30.8	31.3	32.8	
9	30.8	30.8	31.1	31.6	32.2	31.8	33.6	34.0	30.8	29.6	29.3	31.3	36.9	35.9	31.4	34.4	35.4	36.0	35.7	34.9	33.7	33.1	32.8	29.3	32.8	
10	31.4	30.9	30.5	32.1	32.3	32.2	33.0	33.7	33.2	32.7	30.8	30.8	32.3	32.4	33.9	37.9	38.7	37.6	35.7	34.1	33.2	32.9	32.4	31.9	33.2	
11 Q	31.7	31.6	31.6	30.0	32.2	32.5	32.7	33.0	32.9	32.4	30.5	30.2	29.9	30.3	30.4	32.4	34.0	34.9	35.4	34.4	33.1	32.4	31.7	31.5	32.1	
12 Q	31.4	31.3	31.5	30.8	30.8	32.3	32.4	32.6	32.3	31.0	30.6	31.0	30.3	29.5	30.5	33.2	35.3	36.6	36.6	36.0	34.7	32.9	31.8	31.1	32.4	
13	30.3	30.0	30.0	30.2	30.8	31.3	32.7	31.8	30.8	29.0	28.6	28.7	28.6	29.0	31.2	34.3	35.0	36.3	39.8	40.5	36.9	34.8	33.2	32.7	32.4	
14 D	32.0	28.3	24.1	20.7	30.1	32.3	34.9	37.5	33.3	35.0	42.3	30.1	31.3	32.7	38.4	36.3	38.0	37.9	37.7	37.5	34.8	33.8	34.1	32.3	33.6	
15	31.1	29.6	27.8	29.1	30.8	35.3	35.7	34.5	31.7	31.8	31.4	31.4	31.4	31.3	31.7	31.5	32.3	34.0	34.9	34.1	33.5	33.6	32.0	31.6	32.2	
16 D	30.3	29.8	28.0	25.4	37.8	28.0	33.3	31.8	30.8	30.2	29.6	30.6	30.5	30.4	29.9	31.8	33.1	34.1	34.5	34.1	33.6	33.0	32.2	31.3	31.4	
17	29.5	29.8	29.8	31.8	30.8	31.2	31.4	34.9	28.6	29.6	30.8	30.5	29.7	29.6	29.5	30.4	30.6	37.8	39.3	38.1	36.5	34.1	34.0	29.3	31.9	
18	31.6	30.9	30.7	29.5	30.6	29.9	29.8	31.5	28.2	28.5	32.9	30.9	29.4	28.7	28.2	31.2	33.9	35.1	36.0	34.5	33.0	32.5	32.2	31.5	31.3	
19	31.3	30.8	30.7	30.7	31.5	31.9	31.5	31.3	31.3	31.0	31.9	29.7	28.5	28.8	30.9	34.2	35.8	37.2	36.4	35.5	34.8	33.7	32.8	31.9	32.2	
20 Q	30.9	27.6	31.9	30.9	30.9	31.2	32.1	32.2	31.7	31.0	31.1	30.5	29.4	28.8	28.8	32.5	33.4	35.4	36.3	35.8	34.2	32.8	31.4	30.6	31.8	
21 Q	29.9	29.7	29.8	30.0	30.6	31.1	32.3	32.4	31.6	30.3	29.7	29.6	29.7	28.9	29.4	31.7	33.2	34.6	35.1	34.8	33.3	32.4	31.7	30.6	31.3	
22	28.8	28.7	29.9	30.2	31.2	32.0	32.3	32.7	32.0	31.8	31.5	30.6	29.7	29.7	27.5	27.8	31.5	34.5	36.7	36.0	35.1	33.3	31.8	31.5	31.5	
23	30.9	30.0	29.9	27.9	30.5	30.6	31.6	32.1	31.9	31.4	31.1	30.8	31.8	30.6	29.4	30.9	34.4	38.8	36.9	35.3	35.1	35.4	33.9	32.3	32.2	
24	31.2	29.7	30.6	30.9	29.8	31.9	32.9	32.8	32.3	35.0	29.7	29.4	33.7	29.5	31.4	32.7	34.1	35.7	37.0	36.6	35.0	33.1	32.8	32.1	32.5	
25 Q	30.9	30.9	30.5	31.2	31.4	32.0	31.4	31.6	31.3	30.6	30.1	29.7	29.2	29.1	28.7	30.3	33.2	34.8	35.8	35.5	34.5	33.2	32.1	31.2	31.7	
26	30.7	29.7	29.9	30.0	30.6	30.7	29.7	29.9	30.9	30.7	31.2	31.1	30.4	29.7	31.2	30.3	32.3	34.5	35.9	34.9	35.4	35.1	34.1	32.3	31.8	
27 D	35.2	33.0	31.6	30.5	30.9	31.9	31.1	31.9	30.3	30.9	33.3	30.9	34.6	30.0	27.5	29.9	32.7	35.5	37.2	37.0	35.1	35.4	33.9	35.0	32.8	
28	33.6	31.6	27.9	30.9	29.7	29.7	30.5	31.9	31.6	30.4	30.9	30.7	30.6	28.2	28.4	31.6	33.8	36.0	36.0	35.1	35.3	34.3	34.1	34.6	31.9	
29	34.6	32.4	29.9	29.9	30.4	31.9	31.5	30.9	32.2	29.6	30.6	30.9	29.7	28.8	27.9	30.6	33.7	35.0	35.4	35.8	35.4	35.1	33.4	32.3	31.9	
30	31.5	29.6	30.0	30.0	31.0	31.6	30.9	31.1	30.7	31.4	31.3	30.9	31.1	29.8	28.1	30.9	33.1	37.2	39.7	35.8	34.8	34.2	33.9	31.4	32.1	
31	33.2	30.6	29.1	30.8	31.4	31.5	31.9	31.7	31.7	31.5	31.6	31.2	30.9	30.6	28.8	31.0	36.7	40.3	39.1	35.9	34.0	33.1	31.8	30.9	32.5	
Mean	31.1	30.4	30.0	30.0	31.1	31.3	32.1	32.7	31.8	30.9	31.9	30.6	30.5	29.9	30.9	32.8	34.5	36.5	37.1	36.3	34.9	33.7	32.7	31.6	32.3	

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

Table 47 Agincourt

Z = 56,000 γ +

December 1941

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	480	484	485	486	485	480	472	479	390	392	314	371	467	454	460	522	574	571	560	599	580	628	555	542	493	
2 D	500	506	495	466	421	454	473	462	477	480	483	481	483	485	484	481	486	491	499	496	493	493	491	492	482	
3	490	490	487	477	484	485	489	489	487	486	486	486	487	489	483	477	479	483	483	486	480	481	483	483	485	
4	487	489	480	480	478	477	476	462	457	456	456	454	463	466	469	469	470	472	476	480	497	495	480	474	473	
5	474	473	473	474	474	476	477	469	458	472	473	473	474	474	473	477	482	487	490	510	509	504	503	507	482	
6	486	485	482	484	485	465	480	477	477	471	479	482	480	480	478	474	468	471	476	480	481	481	480	479	478	
7	479	478	474	471	475	477	475	475	474	459	463	459	465	468	465	462	465	468	476	480	480	480	480	478	472	
8	477	476	474	475	468	469	471	472	474	474	473	471	472	476	469	468	471	474	478	480	480	479	480	484	475	
9	479	479	478	477	477	476	468	464	474	474	471	471	468	465	466	465	470	474	477	479	479	478	477	479	474	
10	478	476	477	473	464	470	473	475	470	471	468	467	469	470	470	467	464	464	469	473	473	473	473	471	471	
11 Q	471	470	470	471	470	470	471	470	470	467	464	465	465	467	468	465	466	466	470	472	470	470	468	468	468	
12 Q	465	468	466	464	464	468	467	468	469	466	465	465	464	468	473	470	467	468	476	480	477	476	474	474	469	
13	474	474	472	470	468	468	468	467	473	474	469	469	468	466	464	460	460	467	476	487	491	485	480	477	472	
14 D	486	491	477	458	469	468	458	451	448	425	405	441	455	465	463	473	469	473	479	491	500	514	499	483	468	
15	481	479	477	470	473	467	455	462	472	473	473	473	473	475	470	464	470	475	476	481	480	481	479	479	473	
16 D	476	473	471	458	409	475	491	480	481	478	475	476	474	475	474	470	471	472	476	478	476	478	478	474	473	
17	476	473	474	480	478	479	473	467	455	469	470	474	473	473	464	458	464	467	479	480	477	481	487	490	474	
18	480	480	479	477	476	475	469	467	445	442	468	465	476	473	468	461	464	466	473	473	471	472	471	472	469	
19	475	474	473	471	472	473	473	473	471	470	468	464	468	470	471	468	470	474	477	480	480	479	477	476	473	
20 Q	476	475	472	473	471	473	473	471	470	470	470	468	468	470	468	464	467	465	471	474	473	473	469	467	470	
21 Q	467	467	467	467	467	467	466	464	465	466	467	464	464	463	458	458	458	460	467	470	468	468	468	467	465	
22	467	466	465	464	464	464	464	464	464	464	464	464	462	463	463	461	455	455	460	467	470	471	467	465	464	
23	467	465	464	463	464	464	464	464	464	464	464	464	462	458	456	451	456	461	464	465	468	470	473	481	464	
24	481	473	470	467	461	464	463	465	465	457	446	447	455	452	455	457	459	463	468	470	473	470	473	471	464	
25 Q	470	468	468	468	470	468	464	468	470	468	467	467	467	465	461	458	461	464	468	474	474	470	468	468	467	
26	467	467	467	465	467	467	471	470	470	468	467	467	467	468	468	467	461	468	470	477	479	476	477	486	470	
27 D	487	492	503	492	481	471	468	470	470	468	470	468	465	465	464	461	455	465	470	471	471	473	472	479	473	
28	481	477	478	479	480	475	470	471	470	467	465	464	466	467	464	460	461	464	467	468	470	468	468	471	470	
29	482	479	475	470	467	468	470	467	455	461	464	465	465	464	458	453	456	463	463	462	468	468	473	470	466	
30	470	468	464	464	463	464	464	463	463	464	464	463	464	462	461	451	449	455	463	470	473	470	473	473	464	
31	474	475	470	468	467	464	464	464	464	473	464	464	464	465	464	464	462	463	470	473	474	471	468	467	467	
Mean	478	477	475	472	468	470	470	469	465	464	461	463	468	469	467	466	469	472	476	482	482	483	479	479	472	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt

December 1941

Day	Horizontal Intensity						Declination						Vertical Intensity						
	Maximum			Minimum			Maximum			Minimum			Maximum			Minimum			
	15,000 γ +			15,000 γ +			7° W +			7° W +			56,000 γ +			56,000 γ +			
	h.	m.	γ	h.	m.	γ	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ	
1 D	21	41	346	11	00	31	10	57	89.9	23	42	-3.5	21	50	754	10	52	127	627
2 D	23	25	293	04	48	165	07	53	42.0	04	58	8.4	00	44	620	04	58	401	239
3	20	00	319	15	30	274	18	20	38.6	12	45	29.5	00	01	491	03	43	473	18
4	10	02	312	14	02	276	20	34	44.5	03	10	22.9	20	50	510	11	09	443	67
5	08	00	306	19	05	259	19	21	45.7	04	45	25.8	20	00	512	08	20	450	62
6	05	02	308	16	40	208	17	25	38.6	13	26	27.1	04	00	489	05	18	453	36
7	11	15	300	16	32	261	09	05	41.1	13	28	26.2	21	25	482	09	40	451	31
8	11	50	301	15	05	262	18	20	40.6	13	44	27.4	23	10	485	15	00	464	21
9	13	35	301	16	58	274	13	18	39.6	23	28	26.6	20	03	482	13	05	460	22
10	04	27	317	15	05	275	16	17	39.1	04	20	27.5	00	10	478	04	30	451	27
11 Q	21	00	303	17	10	283	18	30	35.7	03	17	26.2	04	40	473	13	26	464	9
12 Q	03	40	304	17	00	267	17	58	37.2	14	02	27.7	19	00	481	03	50	458	23
13	21	40	314	18	47	263	19	21	42.9	13	30	26.8	20	40	493	15	48	452	41
14 D	11	05	309	02	54	207	10	08	56.6	03	10	0.2	21	29	519	10	25	381	138
15	22	45	297	18	55	272	05	55	39.0	02	40	26.1	21	48	485	06	30	449	36
16 D	03	56	306	04	20	225	04	13	49.3	03	45	13.1	06	10	494	04	37	383	111
17	19	53	309	17	40	261	18	08	40.8	23	13	22.2	23	00	495	14	45	458	37
18	21	10	322	09	19	251	18	15	36.4	09	43	23.8	00	01	481	09	20	411	70
19	20	26	302	15	05	270	17	35	37.8	12	03	27.9	22	22	481	11	15	461	20
20 Q	01	52	316	15	20	273	18	20	36.9	01	43	22.4	00	01	476	17	25	460	16
21 Q	22	00	310	16	03	278	19	00	35.5	14	15	28.7	19	55	471	16	45	455	16
22	12	00	308	16	57	262	18	50	37.0	15	05	24.8	19	28	471	16	00	451	20
23	13	00	315	23	45	269	17	17	39.7	03	18	27.0	23	58	488	16	45	452	36
24	12	50	320	17	53	278	09	50	37.8	10	55	26.2	00	15	487	10	35	442	45
25 Q	21	00	318	16	50	281	18	50	36.0	14	25	28.2	19	50	476	15	00	455	21
26	20	58	311	17	15	281	18	15	36.4	09	21	26.9	23	05	488	05	35	460	28
27 D	21	40	318	02	00	254	19	40	37.8	02	15	25.4	02	55	511	16	20	454	57
28	22	45	314	16	30	271	17	55	36.7	13	55	25.1	00	01	486	15	00	456	30
29	21	00	308	17	04	262	00	05	37.0	14	05	26.9	00	27	483	08	40	447	36
30	20	07	308	17	57	269	18	01	40.7	14	38	26.6	23	05	476	16	25	446	30
31	19	58	312	16	27	265	17	20	41.3	14	27	27.8	00	30	475	16	15	457	18
Mean			310			252			41.6			23.5			500			436	64
No. days			31			31			31			31			31			31	31

AGINCOURT MAGNETIC OBSERVATORY, 1940-1941

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

Hour U. T. Month Season	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24
HORIZONTAL INTENSITY (gammas) (All Days)																								
Table 49 Agincourt 1941																								
January	+4	+4	+2	+3	+1	+1	+1	0	+3	+6	+8	+8	+7	+1	-6	-16	-21	-17	-8	-2	+5	+8	+5	+5
February	+16	+3	+1	+2	+2	+2	+3	0	0	-1	-1	+6	+6	+1	-7	-13	-16	-12	-7	+1	+3	+6	+5	+8
March	+6	+5	+6	+4	+6	0	-5	-3	-5	-6	-4	-3	-7	-10	-19	-26	-28	-21	-4	+12	+28	+30	+23	+15
April	+7	+5	+2	-1	0	-4	-6	-2	-1	-1	+1	-4	-13	-21	-23	-15	-6	+2	+11	+17	+21	+14	+9	+9
May	+4	0	-1	-3	-5	-4	-8	-7	-5	0	-1	-2	-7	-14	-19	-19	-11	0	+11	+18	+20	+18	+17	+12
June	+6	+2	+1	0	-1	-2	-5	-8	-8	-6	-7	-6	-9	-13	-18	-18	-12	-2	+11	+19	+22	+23	+18	+13
July	+9	+5	+2	-3	0	+1	-3	-8	-11	-6	-4	-7	-14	-18	-26	-28	-20	-7	+10	+23	+27	+29	+23	+16
August	+18	+6	+2	+5	+6	+2	+1	-8	-6	-8	-11	-10	-18	-26	-33	-33	-22	-10	+9	+20	+28	+32	+25	+20
September	+6	+6	+8	+9	+6	+6	+2	+3	-1	0	+3	-1	-8	-20	-28	-28	-19	-8	+4	+11	+17	+12	+10	+10
October	+6	+5	+3	+2	+1	+1	+2	+4	+4	+5	+7	+8	+2	-9	-17	-22	-21	-16	-7	+1	+7	+8	+10	+10
November	+13	+9	+1	-1	-3	-9	-12	-12	-9	-6	+4	+7	+6	-3	-8	-12	-11	-8	0	+8	+12	+11	+13	+12
December	+4	+3	-1	0	-1	0	+2	+1	+2	+3	+3	+5	+5	0	-8	-12	-13	-9	-3	+4	+7	+8	+5	+6
Year	+8.2	+4.4	+2.2	+1.4	+1.0	-0.5	-2.3	-3.3	-3.1	-1.7	-0.2	+0.5	-3.4	-10.3	-17.5	-20.8	-17.4	-9.7	+1.5	+10.5	+16.1	+17.6	+14.5	+11.2
Winter	+9.2	+4.8	+0.8	+1.0	-0.2	-1.5	-1.5	-2.8	-1.0	+0.5	+3.5	+6.5	+6.0	-0.2	-7.2	-13.2	-15.2	-11.5	-4.5	+2.8	+6.8	+8.2	+8.0	+7.5
Equinox	+6.2	+6.2	+4.8	+3.5	+3.2	+0.8	-1.8	+0.5	-0.8	-0.5	+1.8	+1.2	-4.2	-13.0	-21.2	-24.8	+20.8	-12.8	-1.2	+8.8	+17.2	+19.0	+14.8	+11.0
Summer	+9.2	+3.2	+1.0	-0.2	0.0	-0.8	-3.8	-7.8	-7.5	-5.0	-5.8	-6.2	-12.0	-17.8	-24.0	-24.5	-16.2	-4.8	+10.2	+20.0	+24.2	+25.5	+20.8	+15.2

DECLINATION (minutes) (All Days)																								
Table 50 Agincourt 1941																								
January	+2.0	+2.0	+1.4	+1.6	+1.5	0.0	+0.9	+0.7	+0.6	+1.5	+0.4	+0.7	+1.0	+1.8	+1.4	-0.7	-2.4	-3.9	-4.3	-3.7	-2.5	-1.4	-0.5	+0.7
February	+0.8	+2.2	+2.8	+3.3	+1.7	+1.5	+0.2	+0.5	+0.8	+0.4	+1.0	+0.8	+1.9	+2.0	+1.2	0.0	-2.1	-3.6	-4.4	-4.3	-3.6	-2.6	-1.1	-0.1
March	+1.9	+3.7	+3.3	+2.1	+2.3	+0.7	0.0	-1.1	+0.1	+0.9	+0.5	+0.6	+2.9	+4.1	+2.3	-1.0	-3.3	-4.9	-5.8	-4.9	-3.4	-1.8	+0.1	+0.5
April	+1.0	+2.3	+2.4	+2.0	+1.5	-0.7	+1.1	+0.5	+1.3	+1.4	+3.2	+4.1	+4.7	+4.5	+1.8	-1.4	-4.0	-5.4	-6.3	-5.6	-4.4	-2.8	-1.2	-0.5
May	-0.3	+1.4	+0.3	+1.3	+1.9	+1.7	+1.1	+1.9	+1.4	+1.8	+3.2	+4.4	+5.0	+4.4	+2.3	-1.0	-3.4	-5.3	-6.4	-5.8	-4.6	-3.1	-1.6	-0.9
June	-0.4	+0.3	-0.2	+0.1	0.0	+1.1	+1.3	+0.6	+1.1	+2.1	+3.8	+6.0	+7.1	+6.7	+4.2	+0.1	-3.2	-5.9	-6.6	-5.9	-4.9	-3.3	-2.2	-1.3
July	+0.7	+0.4	+0.4	+0.3	+1.0	+1.1	+1.3	-2.0	-1.3	+1.6	+4.1	+6.0	+6.8	+6.4	+4.4	+0.5	-3.0	-6.2	-6.9	-6.4	-5.0	-2.9	-1.4	+0.2
August	+2.3	+1.5	+2.3	+1.2	+0.5	-0.9	+0.9	-0.4	+0.8	+2.1	+2.7	+5.1	+6.1	+6.0	+2.9	-2.6	-5.8	-7.5	-7.0	-6.2	-4.0	-2.0	-0.1	+1.1
September	+0.1	+2.4	+1.1	+0.5	-1.0	-0.9	-1.0	+1.6	+3.3	+3.4	+4.1	+5.0	+6.3	+4.9	+1.4	-2.4	-5.6	-6.8	-6.9	-5.7	-2.9	-1.4	-0.1	+0.6
October	+0.7	+0.8	+1.5	+1.9	+1.7	+0.6	+0.2	+1.3	+1.9	+1.3	+1.2	+2.1	+3.7	+4.2	+2.8	+0.2	-2.4	-5.0	-6.0	-5.0	-3.8	-2.8	-1.8	+0.8
November	+2.3	+3.4	+2.9	+2.4	+2.1	+0.9	-1.2	+0.1	+0.3	+0.5	+2.0	+1.0	+1.6	+1.9	+1.7	-0.9	-3.2	-4.4	-4.9	-4.0	-2.7	-1.3	-0.1	+0.6
December	+1.2	+1.9	+2.3	+2.3	+1.2	+1.0	+0.2	-0.4	+0.5	+1.4	+0.4	+1.7	+1.8	+2.4	+1.4	-0.5	-2.2	-4.2	-4.8	-4.0	-2.6	-1.4	-0.4	+0.7
Year	+1.0	+1.8	+1.7	+1.6	+1.2	+0.5	+0.4	+0.3	+0.9	+1.5	+2.2	+3.1	+4.1	+4.1	+2.3	-0.8	-3.4	-5.3	-5.8	-5.1	-3.7	-2.2	-0.9	+0.2
Winter	+1.6	+2.4	+2.4	+2.4	+1.6	+0.8	0.0	+0.2	+0.6	+1.0	+1.0	+1.0	+1.6	+2.0	+1.4	-0.5	-2.5	-4.0	-4.6	-4.0	-2.8	-1.7	-0.5	+0.5
Equinox	+0.9	+2.3	+2.1	+1.6	+1.1	-0.1	+0.1	+0.6	+1.6	+1.8	+2.2	+3.0	+4.4	+4.4	+2.1	-1.2	-3.8	-5.5	-6.2	-5.3	-3.6	-2.2	-0.8	+0.4
Summer	+0.6	+0.8	+0.7	+0.7	+0.8	+0.8	+1.2	0.0	+0.5	+1.9	+3.4	+5.4	+6.2	+5.9	+3.4	-0.8	-3.8	-6.2	-6.7	-6.1	-4.6	-2.8	-1.3	-0.3

VERTICAL INTENSITY (gammas) (All Days)																								
Table 51 Agincourt 1941																								
January	+7	+10	+7	+4	+1	-2	-3	-7	-9	-10	-9	-6	-4	-3	-6	-6	-2	+3	+6	+7	+7	+7	+7	+7
February	+14	+14	+12	+6	+1	-3	-9	-10	-11	-19	-18	-11	-7	-6	-8	-7	-3	+1	+6	+9	+12	+15	+15	+14
March	+15	+11	+9	-6	-13	-20	-31	-38	-36	-34	-30	-20	-12	-6	+14	+13	+7	+5	+17	+22	+31	+32	+37	+27
April	+17	+8	+5	-2	-8	-20	-18	-20	-18	-16	-10	-5	-3	-4	-4	-5	-2	+1	+7	+11	+18	+22	+27	+20
May	+17	+12	+8	+3	-7	-14	-21	-19	-15	-8	-3	-4	-5	-5	-5	-7	-7	-4	+1	+6	+13	+19	+20	+18
June	+16	+13	+8	+5	-3	-6	-15	-20	-17	-13	-8	-2	-2	0	-2	-4	-4	-2	0	+4	+10	+14	+16	+18
July	+15	+10	+3	-4	-8	-13	-19	-25	-24	-13	-4	0	-2	-3	-3	0	+2	+3	+6	+12	+17	+19	+19	+16
August	+19	+15	+6	-1	-14	-22	-19	-21	-23	-19	-17	-12	-13	-10	-6	-3	-1	+3	+10	+16	+23	+29	+26	+22
September	+6	+5	+4	-3	-9	-12	-9	-18	-16	-11	-6	-3	-2	-1	-1	-2	-1	0	+7	+14	+16	+18	+15	+13
October	+8	+7	+3	+1	-2	-4	-12	-14	-11	-10	-9	-4	-1	-1	-3	-4	-4	0	+5	+9	+12	+13	+14	+12
November	+17	+11	+5	+2	-4	-4	-13	-19	-22	-20	-12	-5	-4	-2	-1	-1	+1	+4	+9	+12	+12	+13	+11	+9
December	+6	+5	+3	0	-4	-2	-2	-3	-7	-8	-11	-9	-4	-3	-5	-6	-3	0	+4	+10	+10	+11	+7	+7
Year	+13.1	+10.1	+6.1	+0.4	-5.8	-10.2	-14.2	-17.8	-17.4	-15.1	-11.4	-6.8	-4.9	-3.7	-2.5	-2.7	-1.4	+1.2	+6.5	+11.0	+15.1	+17.7	+17.4	+15.2
Winter	+11.0	+10.0	+6.8	+3.0	-1.5	-2.8	-6.8	-9.8	-12.2	-14.2	-12.5	-7.8	-4.8	-3.5	-5.0	-5.0	-1.8	+2.0	+6.2	+9.5	+10.2	+11.5	+10.0	+9.2
Equinox	+11.5	+7.8	+5.2	-2.5	-8.0	-14.0	-17.5	-22.5	-20.2	-17.8	-13.8	-8.2	-4.5	-3.0	+1.5	+0.5	0.0	+1.5	+9.0	+14.0	+19.2	+21.2	+22.0	+18.0
Summer	+16.8	+12.5	+6.2	+0.8	-8.0	-13.8	-18.5	-21.2	-19.8	-13.2	-8.0	-4.5	-5.5	-4.5	-4.0	-3.5	-2.5	0.0	+4.2	+9.5	+15.8	+20.2	+20.2	+18.5

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

Hour Month Season	U. T.																								
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	
Table 52 Agincourt HORIZONTAL INTENSITY (gammas) (Quiet Days) 1941																									
January	+5	+4	0	-1	0	0	+2	+3	+4	+5	+4	+3	-2	-10	-20	-19	-14	-3	+4	+9	+11	+9	+6		
February	+5	+3	+1	+1	+2	+3	+3	+1	+2	+2	+6	+5	+2	0	-6	-14	-20	-12	-5	-2	+1	+5	+7	+8	
March	+10	+11	+8	+8	+8	+13	+10	+9	+8	+7	+5	-2	-12	-20	-28	-28	-23	-14	-4	+3	+6	+8	+19		
April	+4	+5	+5	+3	+3	+4	+4	+1	+1	0	0	-4	-12	-27	-23	-15	0	+5	+9	+10	+13	+9	+7		
May	+4	+5	+4	+2	-4	-3	0	+1	0	+3	+3	0	-6	-15	-21	-22	-12	+1	+11	+9	+11	+9	+7		
June	+7	+4	+3	+1	0	-2	-2	-3	-4	-2	-2	-1	-4	-12	-19	-17	-9	0	+7	+12	+14	+13	+9		
July	+7	+7	+6	+6	+2	+2	+3	+3	+1	-1	0	-2	-8	-14	-26	-29	-24	-14	0	+12	+20	+21	+16	+10	
August	+9	+8	+4	+7	+5	+6	+4	+3	+1	+1	-1	-4	-8	-18	-28	-31	-22	-9	+2	+10	+16	+18	+15	+10	
September	+12	+12	+12	+11	+9	+10	+5	+6	+6	+4	-2	-11	-21	-33	-38	-30	-15	-2	+9	+14	+15	+10	+11		
October	+8	+7	+8	+7	+5	+5	+6	+3	+6	+6	+5	-4	-13	-22	-28	-24	-15	-6	+4	+8	+10	+11	+10		
November	+7	+6	+4	+1	+4	0	+1	+2	+3	+3	+4	+4	0	-6	-12	-16	-16	-12	-6	0	+8	+7	+5	+8	
December	+5	+4	+2	+1	-1	0	+2	+2	+4	+4	+4	+3	-3	-8	-15	-15	-15	-6	0	+6	+8	+8	+6		
Year	+6.9	+6.3	+4.8	+3.9	+2.8	+3.2	+2.9	+2.8	+2.3	+2.7	+3.0	+1.5	-3.2	-10.7	-19.3	-23.4	-19.5	-10.7	-1.7	+5.7	+10.0	+11.4	+9.7	+8.3	
Winter	+5.5	+4.2	+1.8	+0.5	+1.2	+0.8	+1.5	+1.8	+3.0	+3.2	+4.8	+4.2	+2.0	-2.8	-9.0	-16.2	-17.5	-13.2	-5.8	+0.5	+6.0	+7.8	+7.2	+7.0	
Equinox	+8.5	+8.8	+8.2	+7.2	+6.2	+8.0	+6.0	+5.5	+4.5	+4.5	+4.2	+2.0	-5.2	-14.5	-25.5	-29.2	-24.2	-13.2	-4.2	+4.5	+8.8	+11.0	+9.5	+9.5	
Summer	+6.8	+6.0	+4.2	+4.0	+0.8	+0.8	+1.2	+1.0	-0.5	+0.2	0.0	-1.8	-6.5	-14.8	-23.5	-24.8	-16.8	-5.5	+5.0	+12.0	+15.2	+15.5	+12.2	+8.5	

Table 53 Agincourt DECLINATION (minutes) (Quiet Days) 1941																								
Hour Month Season	U. T.																							
0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	24
January	+0.5	+0.4	+0.3	+0.6	0.0	0.0	+0.2	-0.9	+0.9	+1.6	+1.2	+1.4	+1.6	+3.0	+3.4	+0.5	-0.8	-2.9	-4.4	-3.5	-1.7	-0.8	-0.5	-0.2
February	-0.4	+0.1	+0.7	+1.0	+0.9	+1.4	+1.0	+1.0	+1.7	+0.4	+1.6	+1.9	+2.4	+3.2	+3.6	+1.4	-0.4	-3.1	-4.1	-4.2	-3.5	-2.9	-2.2	-1.5
March	+0.5	0.0	+1.3	+1.6	+1.6	-0.3	-0.7	+0.2	+1.1	+1.5	+2.1	+3.2	+4.9	+5.2	+3.8	+0.3	-2.8	-5.2	-6.3	-5.5	-4.0	-2.1	-0.6	+0.2
April	+0.9	+1.0	+0.4	+0.4	+0.8	+0.8	+0.3	+0.6	+1.8	+2.6	+2.8	+4.0	+4.7	+4.8	+2.9	-1.6	-3.9	-5.8	-6.5	-5.3	-3.8	-2.0	-0.6	+0.5
May	-0.4	+0.9	+1.4	+0.4	+1.5	+1.1	+0.6	+1.5	+2.0	+2.5	+3.7	+5.1	+5.4	+4.0	+1.0	-2.6	-4.4	-5.2	-5.1	-4.6	-3.5	-2.5	-1.7	-1.1
June	-1.0	-0.8	-1.2	-1.1	-0.1	+1.0	+1.1	+0.5	+1.4	+2.6	+4.0	+5.7	+5.9	+5.0	+3.0	-0.6	-2.7	-4.6	-5.3	-4.2	-3.3	-2.6	-1.5	-1.1
July	-0.3	-0.7	-0.3	+0.1	+0.7	+0.3	+0.1	+0.7	+0.9	+2.5	+4.6	+6.4	+8.2	+8.3	+6.0	+2.0	-2.2	-6.4	-8.8	-8.5	-6.6	-4.4	-2.2	-0.5
August	+0.2	0.0	+0.4	+0.7	+0.6	+0.3	+0.7	+0.2	+1.2	+2.1	+3.6	+5.7	+7.1	+7.6	+4.5	-1.0	-4.8	-6.8	-7.7	-6.5	-4.8	-2.8	-0.6	+0.3
September	-0.2	-0.5	+0.3	0.0	-0.1	+0.1	+0.3	+1.4	+2.4	+2.9	+3.7	+5.0	+6.4	+5.9	+2.9	-1.4	-4.9	-7.0	-7.7	-6.0	-3.0	-0.8	+0.2	+0.1
October	-0.5	-0.1	-0.4	-0.5	-0.1	0.0	+0.3	+0.8	+1.7	+1.9	+1.9	+2.8	+4.0	+4.4	+3.3	+0.2	-2.4	-4.4	-4.7	-3.6	-2.1	-1.2	-0.8	-0.8
November	+0.6	+0.9	+0.8	+0.3	+0.8	+0.4	+0.1	-0.1	+0.9	+1.0	+1.6	+1.5	+1.9	+3.0	+3.0	+0.4	-1.9	-3.1	-3.7	-3.0	-2.1	-1.9	-1.1	-0.1
December	+1.2	+2.0	+1.1	+1.5	+0.9	+0.2	-0.2	-0.4	0.0	+0.8	+1.5	+1.7	+2.1	+2.5	+2.2	-0.3	-2.1	-3.6	-4.2	-3.7	-2.4	-1.2	-0.2	+0.5
Year	+0.1	+0.3	+0.4	+0.4	+0.6	+0.4	+0.3	+0.5	+1.3	+1.9	+2.7	+3.7	+4.6	+4.7	+3.3	-0.2	-2.8	-4.8	-5.7	-4.9	-3.4	-2.1	-1.0	-0.3
Winter	+0.5	+0.8	+0.7	+0.8	+0.8	+0.5	+0.3	-0.1	+0.9	+1.0	+1.5	+1.6	+2.0	+2.9	+3.0	+0.5	-1.3	-3.2	-4.1	-3.6	-2.4	-1.7	-1.0	-0.3
Equinox	+0.2	+0.1	+0.4	+0.4	+0.6	+0.2	0.0	+0.8	+1.8	+2.2	+2.6	+3.8	+5.0	+5.1	+3.2	-0.6	-3.5	-5.6	-6.3	-5.1	-3.2	-1.5	-0.4	0.0
Summer	-0.4	-0.2	+0.1	0.0	+0.7	+0.7	+0.6	+0.7	+1.4	+2.4	+4.0	+5.7	+6.8	+6.2	+3.6	-0.6	-3.5	-5.8	-6.7	-6.0	-4.6	-3.1	-1.5	-0.6

Table 54 Agincourt VERTICAL INTENSITY (gammas) (Quiet Days) 1941																								
Hour Month Season	U. T.																							
0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	24
January	+2	+1	+1	+2	+2	+1	0	-1	-2	-2	-2	-1	+1	0	-3	-3	-2	-1	0	0	+1	+1	+1	+2
February	+6	+5	+5	+4	+4	0	-4	-1	-2	-4	-5	-4	-2	-2	-6	-8	-6	-2	0	+2	+5	+4	+5	+4
March	+4	+3	+2	+2	-1	-9	-7	-5	-4	-4	-2	+1	-1	0	-3	-5	-4	0	+4	+6	+6	+6	+7	+7
April	+5	+1	0	-1	-3	-8	-10	-7	-2	0	+1	0	-2	-3	-4	-5	-5	-3	+2	+7	+8	+11	+11	+4
May	+7	+2	0	-1	+2	0	+4	-3	-2	0	0	-2	-4	-6	-6	-7	-7	-3	-1	+2	+7	+8	+9	+9
June	+6	+5	+2	+1	-1	-3	-4	-2	-2	0	+1	+1	0	-2	-4	-7	-6	-5	+1	+6	+6	+7	+6	+6
July	+3	+1	+1	-1	0	-2	-4	-2	-1	+1	+2	+2	+1	+2	-2	-5	-5	-6	-4	-2	+3	+5	+6	+5
August	+2	+3	+2	+1	0	-2	-2	-2	-1	0	+2	+2	+1	0	-2	-7	-7	-6	-2	+1	+5	+4	+5	+4
September	+1	0	0	-2	-1	-6	-4	-3	-1	-1	-2	0	0	+1	-1	-4	-3	-2	+2	+6	+6	+7	+4	+2
October	+2	+2	+1	0	0	-1	-1	-6	-7	-5	-2	0	0	+1	-1	-3	-3	+1	+4	+4	+5	+4	+3	+3
November	+1	+1	+2	+2	0	0	0	0	0	0	-1	0	0	0	-4	-9	-8	-4	0	+3	+4	+4	+3	+2
December	+1	+1	0	0	0	0	0	0	0	-1	-2	-2	-2	-1	-2	-5	-4	-3	+3	+7	+5	+4	+2	+1
Year	+3.3	+2.1	+1.3	+0.6	+0.2	-2.5	-2.7	-2.7	-2.0	-1.3	-0.8	-0.2	-0.5	-0.8	-3.2	-5.7	-5.0	-2.8	+0.2	+3.1	+5.1	+5.3	+5.1	+4.1
Winter	+2.5	+2.0	+2.0	+2.0	+1.5	+0.2	-1.0	-0.5	-1.0	-1.8	-2.5	-1.8	-0.8	-0.8	-3.8	-6.2	-5.0	-2.5	+0.8	+3.0	+3.8	+3.2	+2.8	+2.2
Equinox	+3.0	+1.5	+0.8	-0.2	-1.2	-6.0	-5.5	-5.2	-3.5	-2.5	-1.2	+0.2	-0.2	-0.2	-2.2	-4.2	-3.8	-1.0	+3.0	+5.8	+6.2	+7.0	+5.8	+4.0
Summer	+4.5	+2.8	+1.2	0.0	+0.2	-1.8	-1.5	-2.2	-1.5	+0.2	+1.2	+0.8	-0.5	-1.5	-3.5	-6.5	-6.2	-5.0	-3.0	+0.5	+5.2	+5.8	+6.8	+6.0

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

Hour U. T. Month Season	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24
HORIZONTAL INTENSITY (gammas) (Disturbed Days)																								
Table 55 Agincourt 1941																								
January	+5	-8	-5	+3	0	-5	+4	-10	+7	+10	+13	+18	+11	+12	+7	-13	-35	-29	-11	-3	+9	+10	+11	+1
February	+4	-1	0	+5	+7	+1	+3	-1	+3	-1	+4	+16	+12	+2	-5	-8	-12	-18	-11	+4	0	0	+11	+4
*March	+23	+9	+2	-17	+9	-29	-49	-58	-56	-56	-38	-43	-26	-18	-12	-20	-22	-33	+14	+56	+105	+104	+95	+62
April	+15	+14	0	-6	+4	-20	-37	-16	-18	-4	-3	0	-7	-20	-23	-22	-8	-2	+10	+28	+39	+39	+22	+13
May	+14	+0	+3	-2	-13	-11	-43	-32	-25	-12	-13	-5	-10	-15	-15	-12	-7	+3	+16	+30	+36	+39	+37	+28
June	+14	+8	-1	+2	+5	+2	-14	-40	-37	-35	-21	-9	-12	-6	-11	-10	-7	+2	+12	+28	+33	+39	+33	+27
*July	+38	+16	-6	-27	-13	-12	-29	-55	-55	-28	-20	-20	-34	-23	-22	-10	+4	+11	+35	+60	+54	+49	+38	+47
August	+64	+19	+12	+16	+19	-4	-5	-41	-22	-35	-36	-31	-63	-68	-52	-37	-26	-18	+20	+32	+56	+87	+65	+61
*September	+4	+5	+8	+17	+9	+11	+12	+8	+4	-13	-9	-25	-22	-24	-21	0	-2	0	0	+4	+14	+13	+11	+6
October	+18	+19	+10	+4	+1	-1	+7	+5	+9	+4	+2	+9	+5	-2	-5	-19	-27	-33	-22	-10	+3	+1	+6	+17
November	+50	+17	-20	-25	-32	-70	-88	-78	-70	-42	-3	+5	+15	+5	+10	+7	+14	+19	+31	+45	+52	+49	+56	+52
December	+3	-1	-11	+2	-7	+4	+13	+3	0	0	-10	-1	+4	-8	-31	-15	-6	+5	+4	+13	+13	+13	+6	+6
Year	+21.0	+8.9	-0.7	-2.3	-0.9	-11.2	-18.8	-26.3	-21.7	-17.7	-11.2	-7.2	-10.6	-14.6	-15.0	-13.2	-11.2	-7.8	+8.2	+23.9	+34.2	+36.9	+31.4	+26.2
Winter	+15.5	+1.8	-9.0	-3.8	-8.0	-17.5	-17.0	-21.5	-15.0	-8.2	+1.0	+9.5	+10.5	+2.8	-4.8	-7.2	-9.8	-5.8	+3.2	+14.8	+17.5	+18.0	+17.5	+15.8
Equinox	+15.0	+11.8	+5.0	-0.5	+5.8	-9.8	-16.8	-15.2	-15.2	-17.2	-12.0	-14.8	-12.5	-18.8	-15.2	-14.8	-17.0	+0.5	+19.5	+40.2	+39.2	+33.5	+24.5	+24.5
Summer	+32.5	+13.2	+2.0	-2.8	-0.5	-6.2	-22.8	-42.0	-34.8	-27.5	-22.5	-16.2	-29.8	-28.0	-25.0	-17.2	-9.0	-0.5	+20.8	+37.5	+44.8	+53.5	+43.2	+38.2
* Four days only																								
** Three days only																								
DECLINATION (minutes) (Disturbed Days)																								
Table 56 Agincourt 1941																								
January	+5.7	+8.9	+3.6	+5.3	+4.0	+0.2	+3.2	+2.0	+0.6	+2.6	-0.5	+0.8	-1.6	-1.2	-2.0	-3.4	-4.9	-7.7	-5.8	-4.7	-3.9	-2.6	-1.4	+2.9
February	+1.8	+3.1	+4.1	+5.2	+3.5	+4.8	+2.0	+0.2	+1.2	+0.5	+0.1	+1.2	+1.6	-1.5	-4.7	-1.0	-2.8	-4.7	-5.3	-4.4	-3.4	-2.0	-0.7	+0.6
*March	+5.0	+10.7	+2.8	+2.2	+5.6	-2.8	+1.8	-3.5	-4.6	-4.5	-1.0	-9.2	+3.2	+3.6	+1.5	-1.7	-2.8	-5.3	-6.5	-5.4	-0.5	+3.6	+5.1	+2.9
April	+1.1	+2.6	+3.8	+1.9	+2.8	-5.5	+1.9	+1.9	-0.2	+2.1	+4.4	+6.3	+7.4	+5.9	-1.6	-4.5	-6.3	-5.9	-6.7	-5.1	-3.2	-1.7	-0.6	-0.7
May	-0.4	+2.4	+0.1	+3.2	+3.9	+3.6	+1.0	+4.2	-0.3	-1.7	-0.1	+3.5	+3.9	+2.6	+2.3	-0.5	-3.6	-5.0	-6.0	-5.1	-4.6	-1.7	+1.4	-0.2
June	-0.2	-0.6	-1.1	+0.1	-1.2	+1.4	+5.0	+0.4	+3.1	+0.6	-0.5	+4.2	+6.8	+6.0	+4.8	+1.2	+2.1	-6.0	-5.8	-5.0	-4.4	-3.2	-1.9	-1.6
*July	+2.3	+1.8	+0.4	-2.2	+4.0	+6.0	+10.9	-10.4	-5.9	+0.8	+2.7	+2.0	+2.6	+3.3	+0.8	+0.8	-1.4	-5.1	-2.6	-3.0	-5.3	-2.1	-1.2	+0.8
August	+8.0	+9.3	+11.0	+7.3	+6.7	-5.7	+4.7	-2.1	+1.6	+2.6	-2.2	+1.9	-2.2	-1.1	-2.1	-8.5	-8.8	-9.9	-7.9	-7.0	-1.4	+1.4	+2.0	+2.1
*September	+0.2	+9.6	+3.5	+0.5	-6.4	-4.9	-5.9	-0.1	+8.2	+4.2	+5.1	+5.6	+7.1	+5.0	-1.8	-3.4	-5.4	-4.7	-4.8	-5.3	-0.8	-0.8	-1.5	-0.9
October	+2.0	+2.2	+6.3	+6.9	+4.8	+2.3	0.0	+1.6	+2.4	-1.4	-0.7	+0.9	+2.5	+2.6	+2.4	+1.0	-1.0	-6.5	-9.6	-7.2	-6.9	-7.3	-4.0	+6.5
November	+4.9	+6.8	+6.6	+7.1	+7.4	+3.2	+6.2	+2.8	+2.0	0.0	+4.7	-2.6	-3.4	-5.0	-3.4	-4.7	-6.8	-7.2	-6.0	-4.4	-2.2	+0.9	+2.4	+3.1
December	+2.4	+3.3	+4.6	+4.5	+1.3	+3.6	+0.1	-0.9	+0.7	+1.9	-6.6	+1.4	+2.9	+1.6	-3.2	-3.1	-2.3	-3.9	-4.8	-4.0	-2.1	-0.7	+0.3	+2.3
Year	+2.7	+4.9	+3.8	+3.5	+3.0	+0.5	+1.5	-0.3	+0.7	+0.6	+0.4	+1.3	+2.7	+1.8	-0.6	-2.3	-4.0	-6.0	-6.0	-5.0	-3.2	-1.4	0.0	+1.5
Winter	+3.7	+5.5	+4.7	+5.5	+4.0	+2.9	-0.2	+1.0	+1.1	+1.2	-0.6	+0.2	-0.1	-1.5	-3.3	-3.0	-4.2	-5.9	-5.5	-4.4	-2.9	-1.1	+0.2	+2.2
Equinox	+2.1	+6.0	+4.1	+2.9	+1.7	-2.7	-0.6	0.0	+1.4	+0.1	+2.0	+0.9	+5.0	+4.3	+0.1	-2.2	-3.9	-5.6	-6.9	-5.8	-2.8	-1.8	-0.2	+2.0
Summer	+2.4	+3.2	+2.6	+2.1	+3.4	+1.3	+5.4	-2.0	-0.4	+0.6	0.0	+2.9	+2.8	+2.7	+1.4	-1.8	-4.0	-6.5	-5.8	-5.0	-4.0	-1.4	+0.1	+0.3
* Four days only																								
VERTICAL INTENSITY (gammas) (Disturbed Days)																								
Table 57 Agincourt 1941																								
January	+15	+28	+16	+1	-5	-14	-15	-26	-23	-30	-26	-19	-16	-13	-10	-9	+5	+19	+24	+20	+16	+19	+19	+22
February	+21	+26	+12	+6	+1	-6	-12	-25	-24	-38	-35	-17	-14	-12	-14	-8	+1	+4	+11	+16	+22	+32	+32	+24
March	+29	+19	+28	-23	-33	-59	-99	-121	-115	-123	-114	-85	-39	-14	+114	+113	+52	+1	+55	+65	+103	+85	+96	+65
April	+32	+13	+18	+1	-5	-53	-52	-61	-62	-56	-45	-15	-5	-2	0	+2	+10	+18	+36	+38	+47	+50	+45	+49
May	+38	+22	+23	+3	-19	-43	-61	-51	-48	-36	-17	-11	-6	-2	+1	-3	-2	+3	+12	+20	+35	+53	+47	+44
June	+27	+27	+23	+21	+3	-11	-38	-70	-61	-71	-42	-9	-1	+6	+6	+5	+8	+12	+22	+33	+40	+35	+32	+32
*July	+42	+24	-14	-31	-26	-53	-62	-88	-75	-51	-24	-7	-18	-18	-8	+27	+30	+34	+45	+56	+62	+61	+49	+45
August	+63	+51	+24	+13	-26	-76	-55	-69	-84	-78	-79	-53	-57	-38	-18	+7	+12	+30	+46	+55	+82	+97	+84	+70
*September	+1	+12	+23	-2	-20	-29	+42	-43	-34	-28	-7	+1	+3	+2	-2	-6	-5	-3	+4	+33	+24	+20	+7	+7
October	+32	+29	+12	+8	+3	0	-31	-29	-20	-21	-28	-16	-7	-7	-10	-12	-13	-10	+4	+9	+16	+22	+33	+36
November	+41	+18	-5	-3	-29	-18	-56	-80	-90	-72	-44	-16	-11	-1	+15	+28	+28	+32	+42	+48	+43	+48	+41	+41
December	+8	+12	+9	-6	-24	-8	-5	-9	-24	-29	-48	-31	-9	-10	-10	+3	+13	+16	+19	+29	+26	+39	+21	+16
Year	+29.1	+23.4	+14.1	-1.0	-15.0	-30.8	-37.0	-56.0	-55.0	-52.8	-42.4	-23.2	-15.0	-8.9	+5.3	+12.2	+11.3	+12.7	+25.8	+34.2	+42.4	+47.2	+42.4	+37.6
Winter	+21.2	+21.0	+8.0	-0.5	-14.2	-11.5	-22.0	-35.0	-40.2	-42.2	-38.2	-20.8	-12.5	-8.5	-4.8	+3.5	+11.8	+17.8	+24.0	+28.2	+26.8	+34.5	+28.2	+25.8
Equinox	+23.5	+18.2	+20.2	-4.0	-13.8	-35.2	-35.0	-63.5	-57.8	-57.0	-48.5	-28.8	-12.0	-5.2	+25.5	+24.2	+11.0	+1.5	+24.8	+36.2	+47.5	+44.2	+45.2	+39.2
Summer	+42.5	+31.0	+14.0	+1.5	-17.0	-45.8	-54.0	-69.5	-67.0	-59.0	-40.5	-20.0	-20.5	-13.0	-4.8	+9.0	+11.2	+18.8	+28.8	+38.2	+53.0	+62.8	+53.8	+47.8
* Four days only																								