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DEPARTMENT OF MINES AND TECHNICAL SURVEYS
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of the
DOMINION OBSERVATORY
OTTAWA

Volume XVIIIB • No. 1

RECORD OF OBSERVATIONS AT
AGINCOURT MAGNETIC OBSERVATORY
1945-1946

W. E. Ross and A. E. Evans

Price: 50 cents

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AGINCOURT MAGNETIC OBSERVATORY

Geographic Latitude $43^{\circ} 47'N$
Geographic Longitude $79^{\circ} 16'W$

Geomagnetic Latitude $55.0^{\circ}N$
Geomagnetic Longitude $347.0^{\circ}E$

1945-1946

Introduction

Agincourt Magnetic Observatory, situated about thirteen miles northeast of downtown Toronto, was established in 1898 to continue the magnetic work of the Toronto Observatory. At the end of 1936 direction of the Observatory was transferred from the Meteorological Service of Canada, in Toronto, to the Dominion Observatory, Ottawa.

W. E. Ross, assisted by A. E. Evans, constituted the observatory staff.

Instruments

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

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

- for D, I.M.S. = Elliott 48 $-0.8'$
- for H, I.M.S. = Schuster-Smith 0.0γ
- for I, I.M.S. = Toepfer 89 $-0.15'$

Variometers in operation were: a la Cour set of normal speed and sensitivity; a Kew-type set; and a la Cour quick-run set of normal sensitivity. The principal variometers throughout the two-year period were those of the la Cour normal set.

Scale coefficients for the la Cour normal set per millimeter of ordinate were for D, $0.91'$; for H, 5.15γ ; and for Z, 5.90γ . Similarly, the Kew coefficients were for

D, $1.28'$; for H, 4.96γ ; and for Z, 10.0γ to the end of June, 1946, and 15.0γ to the end of the year. The Kew Z variometer, at its reduced sensitivity, was useful as a low-sensitivity recorder during magnetic storms.

The r.m.s. values of the observed minus adopted photographic base-line values in 1945 were for D, $\pm 0.8'$; for H, $\pm 6\gamma$; and for Z, $\pm 25\gamma$. In 1946 they were for D, $\pm 0.9'$; for H, $\pm 4\gamma$; and for Z, $\pm 20\gamma$.

Magnetic Reductions

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

The monthly and yearly mean values of H, D, Z, X, Y, I, and F for 1945 and 1946 which follow, are based on mean hourly values for all days for H, D, and Z. Values of X, Y, I, and F are computed from H, D, and Z.

The mean daily ranges in extreme absolute values in 1945 were 68γ in H, $19.4'$ in D, and 60γ in Z. In 1946 the values were 129γ in H, $27.4'$ in D, and 122γ in Z. Magnetic activity in 1945 was lower and in 1946 higher than the relevant 11-year average.

A list of mean annual values from 1923 to 1946, inclusive, completes this section of the 1945-1946 record.

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

PUBLICATIONS OF THE DOMINION OBSERVATORY
MEAN VALUES FOR MONTHS AND YEAR, AGINCOURT

Month	-D West	H	Z	X	-Y West	I North	F
1945	° ' /	γ	γ	γ	γ	° ' /	γ
January.....	7 28.5	15308	56373	15178	1991	74 48.5	58414
February.....	28.0	316	375	186	90	48.0	418
March.....	28.6	313	385	183	93	48.4	427
April.....	28.3	318	387	188	92	48.1	431
May.....	27.9	329	387	199	92	47.5	433
June.....	27.5	334	388	204	90	47.2	436
July.....	27.0	330	388	201	88	47.4	435
August.....	27.0	327	393	198	87	47.7	439
September.....	27.4	325	394	195	89	47.8	439
October.....	27.3	322	408	192	88	48.2	452
November.....	27.0	333	411	204	88	47.6	458
December.....	27.4	324	414	194	88	48.2	458
Year.....	7 27.7	15323	56392	15194	1990	74 47.9	58437
1946							
January.....	7 27.5	15316	56381	15186	1988	74 48.1	58424
February.....	27.3	300	371	171	85	48.9	410
March.....	28.0	289	371	159	87	49.5	408
April.....	28.0	296	372	166	88	49.1	410
May.....	26.6	312	365	183	84	48.1	408
June.....	25.6	330	360	201	82	47.0	408
July.....	25.9	322	354	193	82	47.4	400
August.....	25.5	319	350	191	80	47.5	395
September.....	24.8	291	345	163	73	49.0	383
October.....	23.1	312	352	185	68	47.9	395
November.....	22.4	317	353	190	66	47.6	398
December.....	21.9	324	355	198	64	47.3	401
Year.....	7 25.6	15311	56361	15182	1979	74 48.1	58403

MEAN ANNUAL VALUES, AGINCOURT

Year	-D West	H	Z	X	-Y West	I North	F
	° ' "	γ	γ	γ	γ	° ' "	γ
1923.....	7 00.9	15784	57849	15666	1928	74 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.....	32.4	288	482	156	06	51.3	515
1942.....	31.4	304	460	172	04	50.1	498
1943.....	30.7	309	461	177	01	49.7	500
1944.....	30.0	314	406	183	1999	48.6	448
1945.....	27.7	323	392	194	90	47.9	437
1946.....	7 25.6	15311	56361	15182	1979	74 48.1	58403

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

Table 1 Agincourt

H = 15,000 γ +

January 1945

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	304	306	303	301	301	308	309	311	313	308	304	315	318	321	313	306	310	311	305	313	294	306	305	301	308
2	289	289	308	306	301	297	306	309	311	315	315	316	314	312	303	293	289	300	305	310	313	315	315	313	306
3	310	309	305	298	301	302	303	310	312	309	312	316	312	313	304	290	294	296	296	299	313	321	320	317	306
4	317	317	317	317	317	317	318	320	322	321	319	317	319	314	310	303	299	295	302	301	297	306	309	306	312
5	309	302	302	306	303	307	305	303	304	308	312	311	310	302	297	291	292	294	299	302	311	317	319	318	305
6	315	305	310	313	312	312	314	315	317	318	300	311	318	313	299	291	290	294	299	309	319	317	310	310	309
7	313	313	314	317	314	313	315	316	319	322	320	314	315	305	299	284	285	292	297	308	316	312	307	309	309
8	313	309	309	310	310	314	314	313	315	319	319	319	319	314	301	292	294	300	304	309	314	319	322	323	312
9	319	317	316	312	312	311	312	314	313	316	314	318	322	324	319	313	310	310	314	316	324	325	292	268	313
10 D	276	268	272	272	282	293	281	269	299	303	305	315	299	312	304	292	283	282	277	288	299	308	308	307	292
11 Q	305	303	304	308	308	308	308	310	309	311	312	311	310	305	299	291	288	293	300	305	308	310	310	308	305
12	310	314	315	315	311	310	313	316	317	317	318	318	316	312	307	305	304	309	306	306	300	309	314	311	312
13	299	296	303	305	319	305	306	310	304	318	322	320	318	312	304	296	294	299	308	312	317	322	323	323	310
14	320	318	319	319	318	319	320	320	321	325	324	320	318	318	314	310	304	307	313	315	317	323	327	327	318
15 D	326	325	329	329	316	317	289	278	281	280	293	293	306	270	227	221	248	229	298	294	296	301	298	298	289
16	299	282	303	294	296	298	286	289	293	295	304	304	303	300	298	292	293	297	304	306	305	298	293	283	296
17 D	279	290	289	300	302	304	304	308	304	299	292	303	304	299	286	289	289	294	300	291	304	312	314	316	299
18	315	315	314	313	313	315	312	311	313	314	314	312	311	310	303	295	301	306	312	316	320	329	319	314	312
19	311	318	316	315	305	313	313	314	315	316	316	311	313	311	306	287	282	295	302	299	307	319	319	318	310
20	315	318	314	311	308	304	301	296	293	299	298	308	310	305	303	287	289	293	300	305	314	316	317	314	305
21	313	315	315	312	317	320	310	314	315	315	315	315	312	311	312	300	298	303	308	309	312	322	315	317	312
22	315	313	314	313	312	311	314	312	314	315	316	316	316	312	304	295	293	298	303	310	315	318	316	319	311
23 Q	318	318	315	315	314	313	314	316	315	320	320	319	320	320	318	307	306	306	306	310	315	319	321	320	315
24 Q	319	320	320	320	319	318	320	321	322	322	324	324	323	318	308	298	302	308	310	314	316	320	321	320	317
25 Q	320	320	321	319	318	314	312	314	311	314	315	314	314	311	308	304	308	316	315	318	322	324	322	322	316
26	323	321	323	323	321	325	318	319	323	329	333	339	344	336	325	313	310	309	314	302	300	306	310	311	320
27	310	306	299	305	310	315	316	318	317	319	321	321	322	320	324	320	319	318	322	324	328	332	332	330	319
28 D	328	321	317	315	318	318	321	324	322	325	325	328	325	315	306	300	304	315	336	330	309	315	324	317	319
29 D	290	281	289	277	243	294	264	228	223	264	286	292	287	289	267	278	272	258	292	287	286	274	288	284	275
30	272	293	303	295	264	300	300	301	293	290	300	305	300	295	300	294	282	286	295	300	306	310	308	307	296
31 Q	306	305	307	310	310	311	312	308	312	314	308	310	308	303	297	286	289	298	308	313	315	315	312	317	307
Mean	309	308	310	309	306	310	308	307	308	311	313	315	314	311	304	295	294	298	303	307	311	315	314	312	308

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7° W + . . . '

January 1945

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	26.5	27.5	28.1	28.0	29.3	29.6	30.1	29.6	28.2	29.8	31.6	29.6	26.1	25.8	29.1	32.4	33.4	33.0	31.7	31.3	29.8	27.8	28.6	27.9	29.4
2	24.4	24.2	27.9	28.2	28.4	28.9	31.2	28.6	25.9	27.0	28.5	28.6	28.9	28.3	31.4	33.6	35.2	35.0	33.4	32.5	31.2	29.2	27.9	27.6	29.4
3	26.9	26.9	27.5	27.3	28.7	28.0	29.8	28.8	26.9	27.2	36.0	26.7	25.1	25.0	27.5	28.9	30.7	32.5	32.9	32.2	30.6	28.9	28.0	27.4	28.8
4	27.2	26.9	27.2	28.2	28.9	28.9	28.9	28.9	28.5	27.4	27.7	27.4	26.8	25.6	26.4	28.9	31.6	32.2	33.4	34.8	35.3	32.0	28.9	28.0	29.1
5	26.8	27.0	26.0	26.1	27.4	29.6	28.9	28.9	28.9	30.4	29.7	27.6	26.9	26.8	27.5	30.1	30.9	31.6	31.1	30.7	30.6	29.5	28.8	27.5	28.8
6	27.1	25.8	24.1	27.2	27.9	28.4	27.9	28.0	27.9	29.1	32.5	30.5	26.1	24.4	26.9	29.6	31.3	31.6	31.5	30.7	29.5	28.4	28.3	27.1	28.4
7	27.0	26.6	25.8	24.3	28.3	28.2	28.8	27.9	27.8	27.5	27.0	26.9	26.1	25.1	25.5	28.9	30.7	32.0	32.4	31.9	30.1	29.3	29.2	28.0	28.1
8	27.5	26.8	26.7	26.9	27.3	28.3	28.3	29.2	29.2	27.9	28.3	27.5	25.8	24.8	27.7	28.9	30.7	32.4	32.3	31.7	30.7	29.9	29.0	27.9	28.6
9	27.5	26.9	26.8	26.7	26.8	27.8	27.8	28.1	27.0	25.9	25.5	25.6	24.8	23.8	23.2	26.3	29.5	29.9	29.6	29.7	29.1	28.8	33.7	30.1	27.6
10 D	25.4	20.9	18.3	22.3	27.1	32.1	25.7	30.5	27.2	30.8	35.6	30.3	35.6	32.4	29.7	29.4	30.6	30.6	31.8	30.6	30.7	29.7	29.0	29.0	28.9
11 Q	28.7	28.5	28.8	28.8	28.9	28.9	28.9	29.0	29.7	28.8	28.8	28.1	27.3	25.7	26.0	28.1	29.6	30.6	32.0	31.8	31.2	30.5	29.5	28.8	29.0
12	27.9	27.7	28.0	28.2	28.8	28.8	28.9	28.8	28.2	28.0	27.8	27.8	26.9	25.9	28.9	32.5	34.3	34.8	32.9	31.8	31.6	30.1	28.4	28.0	29.4
13	23.7	26.0	26.1	24.3	24.8	27.9	28.8	30.0	28.1	29.0	28.4	26.9	26.6	25.5	27.3	28.8	30.0	31.4	30.6	29.4	28.8	28.2	27.8	27.7	
14	27.6	27.8	27.8	27.8	28.0	28.2	28.2	28.0	27.6	27.0	27.1	26.9	26.5	26.1	28.1	29.2	29.5	29.3	28.7	28.5	28.3	27.5	27.2	27.8	
15 D	26.9	26.1	25.9	27.6	28.7	25.4	27.8	26.2	24.1	18.7	22.4	25.6	30.6	26.8	34.2	38.9	39.6	36.7	45.0	37.3	35.2	30.6	29.0	28.0	29.8
16	28.8	18.1	24.2	26.5	26.4	30.3	31.7	27.2	26.9	27.3	29.8	26.9	25.5	25.1	26.0	27.9	29.7	30.6	31.3	31.4	30.6	29.7	25.2	28.7	27.8
17 D	26.7	25.7	22.5	35.4	25.9	28.2	28.8	28.9	26.4	28.3	35.2	29.7	25.9	24.3	25.9	28.8	30.5	30.6	33.3	34.6	33.8	31.5	29.9	28.8	29.1
18	27.6	26.2	26.8	26.8	27.1	27.8	27.8	27.9	27.8	26.9	26.8	25.7	24.6	23.6	24.3	27.5	29.6	31.1	33.0	34.1	33.7	32.8	33.2	31.4	28.5
19	28.0	25.9	24.1	26.0	26.8	28.5	29.4	28.7	28.3	27.8	27.4	27.4	24.7	24.1	26.8	29.6	29.9	31.8	32.8	32.4	29.7	29.8	29.2	28.2	
20	26.5	27.3	26.9	26.0	25.0	25.0	22.4	25.0	26.4	26.5	28.2	27.4	26.9	23.3	23.6	26.3	29.1	29.4	31.4	31.6	30.6	29.7	28.8	28.4	27.1
21	26.4	25.9	27.1	26.8	23.7	27.8	28.6	28.6	28.1	28.0	28.1	28.2	27.3	27.8	26.0	29.7	30.8	30.5	32.8	33.6	32.2	30.6	30.3	29.0	28.7
22	27.9	27.2	27.4	26.9	27.0	27.5	27.5	27.0	27.0	27.6	27.2	27.8	27.3	25.8	24.2	26.1	27.3	29.6	31.5	32.4	31.8	30.5	29.7	29.3	28.0
23 Q	28.7	27.8	27.7	27.9	26.0	27.7	27.3	27.0	27.1	27.6	27.8	27.9	27.8	26.7	25.5	27.2	28.0	30.3	32.3	32.4	31.5	30.2	29.3	28.8	28.3
24 Q	28.4	27.8	27.4	27.8	28.2	28.7	27.8	27.7	27.4	27.6	27.3	27.4	27.2	25.6	25.1	27.9	28.7	28.5	30.9	30.5	29.2	28.3	28.7	28.0	28.0
25 Q	27.8	27.3	27.6	27.8	28.2	27.8	27.8	26.8	25.8	25.8	26.7	27.5	27.5	26.0	26.1	28.2	29.1	28.8	29.6	29.1	28.1	27.8	28.2	27.8	27.7
26	27.3	27.3	27.3	27.5	27.7	27.5	27.1	26.9	26.5	25.2	25.0	25.2	24.5	23.5	24.1	28.2	28.8	28.9	30.6	32.6	31.8	28.8	28.1	27.2	27.4
27	27.4	27.7	26.0	26.9	28.6	28.6	28.2	28.2	27.4	27.3	27.7	25.9	25.3	25.4	26.0	27.9	28.3	29.4	30.6	29.9	27.8	27.3	27.2	26.7	27.6
28 D	26.8	27.5	26.8	27.2	27.4	27.8	28.1	27.8	27.6	27.4	26.8	26.1	25.7	24.3	25.7	28.1	29.7	31.7	32.3	31.7	30.1	29.2	28.2	30.8	28.1
29 D	25.0	29.8	22.6	15.0	22.6	27.8	31.2	28.2	32.3	24.3	24.2	26.3	25.7	26.4	29.1	31.2	33.3	40.6	37.9	37.0	34.2	34.9	33.3	29.7	29.3
30	23.9	26.9	28.2	28.1	17.5	30.2	27.8	28.8	26.7	26.9	27.8	27.2	27.8	30.1	30.6	32.0	34.4	33.6	33.2	32.4	30.6	29.2	28.7	28.3	28.8
31 Q	27.8	28.2	27.8	26.0	27.8	29.2	29.7	29.1	28.8	29.6	28.1	27.3	26.9	26.0	26.5	29.2	30.5	31.5	31.7	31.1	30.1	29.6	29.5	28.1	28.8
Mean	27.0	26.5	26.3	26.8	26.9	28.4	28.4	28.2	27.6	27.4	28.4	27.4	26.9	25.8	26.7	29.2	30.8	31.6	32.4	32.0	31.0	29.7	29.1	28.4	28.5

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

Table 3 Agincourt

Z = 56,000 γ +

January 1945

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	385	380	380	380	380	381	381	380	376	370	361	367	370	369	368	373	376	382	384	385	387	389	387	389	379
2	385	384	380	375	374	371	372	349	367	372	375	374	375	371	367	372	374	378	380	382	382	380	379	378	375
3	375	375	377	378	378	378	380	379	378	374	369	367	373	373	370	377	381	384	385	390	386	383	379	379	378
4	379	378	378	376	376	736	376	376	376	375	374	373	374	374	373	372	375	380	384	385	391	404	393	390	379
5	392	395	391	383	379	377	377	378	378	375	378	378	378	374	371	373	377	378	383	382	381	378	377	376	379
6	377	377	376	375	374	374	373	373	372	372	371	371	368	366	365	371	375	378	378	379	379	374	374	375	374
7	374	371	372	364	369	370	371	371	370	370	370	371	370	368	366	371	370	371	376	379	377	377	376	376	372
8	374	373	372	372	371	371	371	371	370	368	367	366	367	366	365	370	370	369	371	372	372	374	373	373	370
9	372	371	372	372	371	371	372	370	367	364	366	370	370	366	361	361	364	364	365	367	369	371	383	420	371
10 D	448	402	399	377	377	349	301	289	316	333	357	360	363	364	366	373	376	380	382	383	382	378	376	373	367
11 Q	373	375	375	373	372	372	372	372	372	372	372	373	373	372	369	370	372	375	376	376	375	375	375	373	373
12	375	373	371	370	370	370	369	369	370	370	370	370	370	366	363	363	364	367	368	372	372	376	375	376	370
13	375	378	375	365	357	369	363	353	356	366	366	367	368	366	362	358	361	362	365	368	369	369	368	368	365
14	367	366	365	366	368	368	368	368	370	370	369	367	369	369	367	363	365	368	365	365	366	370	369	368	368
15 D	365	367	367	366	368	347	371	354	338	334	338	330	344	355	365	360	397	469	456	400	386	386	382	381	371
16	383	386	381	380	378	371	347	364	374	367	371	373	374	372	365	367	369	374	376	378	378	379	380	387	374
17 D	391	388	371	342	373	378	377	376	370	369	368	368	370	368	363	365	368	369	375	380	382	379	377	380	373
18	380	380	379	379	378	377	379	379	378	377	377	377	378	378	371	372	375	375	374	375	380	386	387	388	378
19	389	384	382	379	385	382	381	381	379	377	375	375	375	375	371	372	378	383	381	381	384	383	381	383	379
20	381	384	386	387	382	381	374	363	357	356	361	371	375	381	373	368	374	372	371	375	380	380	380	377	375
21	379	380	378	377	374	363	375	375	375	375	375	375	374	374	370	370	371	372	375	376	380	380	376	380	375
22	378	381	380	378	376	376	375	375	376	375	374	374	372	368	366	369	366	366	370	376	378	376	375	375	374
23 Q	375	375	375	375	374	375	374	371	371	371	370	368	368	368	361	363	365	365	368	371	372	374	374	372	371
24 Q	372	371	370	370	370	369	369	369	369	368	369	368	368	366	363	364	365	364	365	366	370	370	369	368	368
25 Q	368	368	367	367	367	367	369	368	367	367	367	367	367	367	367	369	367	365	367	370	372	371	371	368	368
26	370	370	370	370	370	370	370	370	369	365	362	361	360	357	354	357	363	363	367	372	379	376	373	373	367
27	373	373	376	376	373	370	370	369	368	367	366	363	365	364	363	361	364	363	365	367	370	370	369	367	368
28 D	367	369	370	371	370	370	369	367	367	367	369	366	367	365	361	363	364	364	364	367	372	372	371	396	369
29 D	494	475	511	408	429	417	367	323	329	358	370	371	373	370	365	376	380	381	393	411	423	411	399	405	398
30	401	390	382	376	368	343	362	349	359	364	375	375	373	376	370	371	375	377	376	377	381	382	377	377	373
31 Q	377	377	376	376	374	375	374	374	375	374	373	373	373	373	368	372	372	372	376	377	377	378	878	377	374
Mean	383	381	380	374	375	372	369	365	366	367	368	369	370	369	366	367	372	375	376	377	379	379	377	379	373

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt

January 1945

Day	Horizontal Intensity						Declination					Vertical Intensity									
	Maximum 15,000 γ +			Minimum 15,000 γ +			Maximum 7° W +			Minimum 7° W +		Range	Maximum 56,000 γ +			Minimum 56,000 γ +		Range			
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.		m.	'	h.	m.	γ		h.	m.	γ
1	13	25	324	20	47	289	35	16	00	34.2	13	14	24.8	09.4	21	00	393	10	30	358	35
2	20	49	320	15	56	282	38	07	00	36.5	01	16	20.6	15.9	00	15	391	07	15	343	48
3	21	48	323	15	27	287	36	10	20	39.7	13	23	23.8	15.9	19	40	393	10	52	360	33
4	08	57	323	17	37	289	34	20	10	37.3	13	05	25.3	12.0	21	18	411	14	30	369	42
5	22	50	321	16	07	288	33	17	00	32.1	03	35	25.2	06.9	01	30	394	14	50	368	26
6	20	00	323	15	55	288	35	11	00	34.1	02	05	18.6	15.5	20	30	379	14	00	362	17
7	02	50	327	15	56	278	49	19	13	32.9	03	38	19.7	13.2	20	35	380	03	50	358	22
8	23	00	324	16	01	290	34	17	57	32.9	13	15	24.3	08.6	00	12	376	14	00	364	12
9	21	37	345	23	20	257	88	22	40	37.8	15	32	20.8	17.0	23	45	432	15	32	357	75
10 D	13	37	319	02	03	237	82	10	18	40.5	02	17	11.2	29.3	00	38	481	06	54	261	220
11 Q	11	00	314	16	32	285	29	18	30	32.0	13	35	25.0	07.0	18	40	378	14	30	366	12
12	09	00	320	20	21	295	25	15	56	36.0	13	50	24.8	11.2	22	10	377	15	35	358	19
13	03	40	329	03	20	284	45	07	15	33.3	00	34	20.8	12.5	01	40	380	07	50	346	34
14	23	40	333	16	15	300	33	18	15	30.1	14	06	26.0	04.1	21	25	372	15	30	361	11
15 D	05	15	350	18	10	182	168	18	32	53.8	09	00	12.9	40.9	17	34	493	08	49	308	185
16	20	38	309	01	13	267	42	06	11	38.1	01	40	14.2	23.9	23	57	392	06	30	339	53
17 D	03	27	327	03	15	270	57	03	13	44.2	02	37	12.4	31.8	00	42	394	03	37	322	72
18	21	18	335	15	35	293	42	22	25	35.8	13	48	22.7	13.1	23	45	391	15	15	370	21
19	21	46	324	16	00	274	50	19	35	34.6	02	54	20.3	14.3	00	10	389	15	28	370	19
20	01	02	321	16	40	282	39	18	38	32.5	06	30	18.8	13.7	02	45	388	09	13	352	36
21	05	10	337	16	00	294	43	19	10	33.9	03	56	19.6	14.3	00	55	381	05	15	362	19
22	21	15	321	16	00	288	33	19	30	33.2	14	05	23.5	09.7	01	50	381	17	30	364	17
23 Q	22	09	325	18	08	303	22	19	50	32.8	04	08	23.2	09.6	00	25	375	15	00	358	17
24 Q	12	00	324	15	48	295	29	18	50	31.8	13	45	24.7	07.1	00	50	372	14	50	361	11
25 Q	23	44	326	15	12	303	23	18	50	29.9	14	10	25.7	04.2	23	40	372	14	50	362	10
26	13	00	347	20	03	293	54	19	58	34.6	14	23	20.6	14.0	20	48	380	14	15	350	30
27	23	59	335	02	20	295	40	18	59	31.8	14	20	24.6	07.2	03	30	376	15	15	359	17
28 D	18	40	349	20	35	283	66	23	20	35.1	23	59	16.8	18.3	23	55	445	14	40	358	87
29 D	04	37	388	04	20	-008	396	04	20	91.8	03	01	02.1	89.7	03	05	543	07	07	287	256
30	21	05	317	04	43	234	83	17	13	35.7	04	35	07.6	28.1	00	01	409	05	17	329	80
31 Q	21	15	320	15	44	282	38	18	25	32.2	03	15	24.7	07.5	00	12	379	15	25	367	12
Mean			329			270	59			37.1			20.1	17.0			400			350	50
No. days			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 1945

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	318	313	311	304	312	321	316	317	319	319	319	319	316	302	291	281	281	291	300	309	317	322	321	321	310
2	319	319	318	318	318	319	322	316	318	317	314	319	303	304	285	295	289	289	296	299	307	313	316	305	309
3	293	300	302	313	314	308	311	315	315	315	315	317	316	305	296	283	282	286	296	305	316	321	321	319	307
4	316	316	314	311	310	320	321	321	321	320	320	320	321	319	316	308	302	293	301	307	314	319	318	320	315
5 D	317	316	316	315	288	265	274	304	293	294	312	314	312	307	300	293	289	291	301	304	311	324	325	321	303
6	284	295	299	304	308	305	311	311	296	309	335	326	319	317	314	310	309	314	315	324	321	323	321	319	312
7	319	320	319	317	316	319	320	324	324	320	325	331	330	327	326	318	311	304	303	312	315	322	321	320	319
8	319	310	289	296	314	319	315	314	308	315	321	326	333	325	325	321	308	301	306	314	321	321	315	300	314
9	285	304	315	318	316	305	325	318	312	300	313	326	321	321	316	313	308	309	308	307	314	312	310	306	312
10	314	315	311	315	316	316	317	312	315	298	320	326	323	320	315	311	304	301	305	314	322	320	320	315	315
11	305	316	322	313	322	318	319	314	317	318	324	326	323	318	306	291	289	311	323	329	326	326	325	325	317
12	321	320	314	321	318	315	321	316	317	318	320	320	317	314	305	299	296	301	311	314	319	322	323	326	315
13 Q	324	322	320	321	318	322	324	325	326	325	324	328	327	320	316	307	310	311	315	320	323	323	325	326	321
14	325	325	323	323	324	326	327	329	328	327	329	332	330	327	321	319	316	320	327	333	342	332	319	325	326
15 D	315	291	297	296	304	322	313	307	311	304	307	304	306	316	311	306	302	307	314	311	328	315	321	320	309
16 D	328	301	306	310	311	311	311	323	315	309	304	309	313	306	306	296	304	293	296	308	327	326	321	314	311
17	317	318	315	310	316	310	314	316	317	316	311	316	318	314	310	301	293	298	305	310	308	320	321	312	312
18	314	310	310	310	314	324	322	317	319	318	319	318	315	308	300	300	308	311	314	316	319	322	323	314	314
19 Q	317	316	309	314	314	319	316	312	316	317	318	321	323	317	313	309	300	295	300	306	314	323	328	327	314
20 Q	326	324	322	323	324	324	326	326	327	330	330	327	331	324	317	308	298	303	308	314	318	325	326	325	321
21 Q	328	327	326	323	320	323	323	324	323	325	327	326	325	322	318	311	308	309	316	322	322	322	327	327	322
22	328	325	328	330	329	329	328	330	336	335	338	339	332	327	322	320	314	315	320	323	333	333	328	324	328
23	325	331	329	325	328	327	328	329	329	333	340	345	340	339	337	329	324	321	326	330	333	332	329	328	331
24	325	324	325	326	328	324	324	328	330	330	332	333	334	328	324	319	318	320	324	333	322	334	330	331	327
25	296	292	319	312	332	321	314	321	316	318	324	329	328	322	319	310	306	304	308	320	307	321	329	327	316
26 D	327	325	328	314	317	323	323	329	332	335	333	334	334	327	309	267	288	303	289	327	303	318	322	308	317
27 D	299	310	317	318	325	326	323	318	318	324	320	324	315	303	291	284	291	291	303	303	308	319	327	325	312
28	315	309	314	315	317	323	324	321	323	321	323	323	322	315	299	289	284	296	300	317	322	323	322	325	314
29																									
30																									
31																									
Mean	315	314	315	315	317	317	318	319	318	318	322	324	322	318	311	303	301	303	308	315	319	322	322	320	316

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt

D = 7° W + . . . ' .

February 1945

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	26.7	26.2	25.9	24.6	24.5	27.7	29.1	28.7	28.6	28.1	27.2	27.0	26.4	24.6	24.1	28.4	31.7	33.2	34.6	33.1	31.3	29.6	28.2	27.3	28.2	
2	26.7	27.4	27.4	27.7	27.9	28.6	27.8	27.6	28.4	27.5	27.7	30.2	32.2	31.4	28.3	31.7	33.1	34.5	36.5	35.6	33.3	30.8	29.7	27.8	30.0	
3	26.1	27.4	25.4	25.5	25.9	27.2	27.7	28.6	27.7	27.7	28.5	27.1	25.4	23.4	23.3	27.0	30.0	32.7	34.5	33.7	31.9	29.9	28.7	27.7	28.0	
4	27.6	27.0	26.8	26.4	29.9	26.2	27.2	28.2	27.5	27.1	26.9	26.7	25.5	24.4	23.9	25.0	27.4	29.5	31.2	31.6	30.6	29.5	28.7	28.5	27.7	
5 D	27.3	27.2	26.3	27.5	24.9	08.8	22.3	29.0	28.9	33.2	30.4	27.5	25.8	24.6	25.2	25.9	28.7	30.5	32.7	33.2	32.2	30.5	29.2	27.9	27.5	
6	23.1	27.7	25.6	25.8	25.0	26.0	26.1	26.9	26.7	38.1	33.8	29.0	25.4	23.5	24.3	26.2	27.7	29.5	31.3	30.0	29.5	28.7	27.7	27.8	27.7	
7	27.7	27.2	26.9	27.3	27.4	27.8	26.9	29.6	28.1	32.3	30.5	27.7	26.3	25.3	24.9	25.5	27.7	29.6	30.8	30.7	30.9	30.5	29.5	27.9	28.3	
8	27.7	28.1	22.4	22.4	26.7	27.5	27.7	30.7	31.4	33.6	30.0	27.2	29.0	32.7	29.1	25.7	28.7	29.0	30.4	29.5	29.1	28.7	29.0	26.6	28.5	
9	22.2	27.7	27.7	27.4	26.7	25.9	32.0	27.7	28.0	32.7	30.8	29.6	29.5	27.1	26.5	25.6	30.0	30.0	30.4	30.2	29.0	29.0	27.8	26.7	28.4	
10	26.5	26.9	25.8	23.2	26.8	27.7	28.1	29.5	29.1	33.2	29.9	25.0	25.9	25.0	24.6	25.3	27.5	28.7	30.5	30.0	29.6	28.7	27.8	27.7	27.7	
11	25.8	26.7	27.7	27.7	23.3	29.7	27.7	28.1	26.8	26.4	26.7	26.3	25.4	24.5	24.1	26.8	32.6	32.2	31.7	31.1	28.7	27.5	27.7	26.9	27.6	
12	27.5	27.4	25.9	26.4	27.2	27.2	27.7	27.3	28.5	27.7	27.1	26.8	26.4	25.3	26.0	28.0	30.0	32.3	32.5	31.8	30.0	29.0	27.7	27.7	28.0	
13 Q	27.9	28.0	27.8	27.7	27.2	28.0	28.7	28.1	27.8	27.7	27.8	27.2	25.8	27.1	27.4	28.7	30.9	32.3	32.7	31.7	29.9	28.7	28.6	28.0	28.6	
14	27.7	27.7	27.7	27.9	27.8	28.0	28.3	27.7	27.7	26.7	25.9	24.9	25.0	24.4	23.6	25.1	27.3	29.9	32.3	33.1	33.9	34.1	33.2	30.5	28.4	
15 D	27.7	20.8	23.6	25.9	25.4	27.4	27.2	26.3	26.8	33.2	24.1	22.3	28.7	23.0	22.2	28.7	30.7	34.4	35.8	36.5	37.8	33.7	32.9	33.7	28.7	
16 D	18.4	23.6	26.3	25.4	25.9	26.8	32.2	33.5	28.1	25.4	24.7	27.8	25.0	24.6	31.5	31.6	32.5	34.1	35.9	38.4	35.2	32.7	30.9	27.8	29.1	
17	27.5	26.6	25.5	24.0	24.4	26.6	26.8	28.4	28.7	27.2	25.4	27.4	24.9	23.8	22.6	23.2	28.7	30.7	33.5	35.3	32.6	30.5	29.2	25.4	27.5	
18	28.2	28.0	25.4	25.6	24.5	25.6	27.1	26.9	26.9	26.2	26.4	26.7	25.5	25.0	25.0	27.1	28.6	30.4	32.0	32.2	31.8	30.9	30.0	28.3	27.7	
19 Q	29.0	28.1	25.6	25.3	25.9	25.6	25.8	25.9	26.7	26.8	27.2	26.2	24.9	23.6	23.4	24.6	26.8	29.0	29.9	31.4	31.5	30.4	29.1	27.8	27.1	
20 Q	27.2	27.1	26.6	26.8	27.2	27.7	27.7	27.7	27.6	27.7	26.8	26.3	26.2	24.0	22.7	24.4	27.4	29.0	29.5	31.4	31.8	31.1	29.9	28.6	27.6	
21 Q	27.7	26.8	26.7	27.0	26.8	24.4	26.3	26.9	26.2	26.3	25.9	26.0	25.7	25.1	24.5	25.6	27.5	29.9	30.7	31.3	30.9	30.0	29.1	28.0	27.3	
22	27.7	26.8	26.8	27.7	27.7	27.7	27.8	29.0	29.5	27.5	25.8	24.1	24.9	25.1	22.6	26.6	29.3	30.9	31.3	31.3	30.6	29.8	29.7	28.6	27.8	
23	27.6	27.2	27.1	26.8	27.1	26.7	26.8	26.8	26.7	27.0	26.8	25.0	24.9	23.1	24.0	26.0	27.4	27.7	27.4	28.3	28.0	27.8	27.5	27.7	26.7	
24	27.8	27.5	27.3	27.3	27.2	26.8	27.0	26.7	26.4	27.7	26.7	26.7	25.3	24.5	23.6	25.4	27.7	29.4	31.1	32.0	32.0	30.5	28.9	28.4	27.7	
25	25.9	24.4	26.9	25.6	29.3	29.6	25.9	28.0	27.7	29.9	27.4	24.7	24.1	23.0	23.2	25.7	27.3	28.6	30.6	32.2	33.2	30.0	28.9	28.0	27.5	
26 D	28.0	27.1	26.8	25.0	22.6	25.4	26.8	27.3	27.8	26.8	25.1	24.6	24.5	23.6	23.1	29.0	35.0	34.4	36.3	32.7	33.2	29.6	31.4	27.7	28.1	
27 D	22.3	24.9	27.3	26.8	26.8	28.3	25.8	27.7	32.0	27.7	25.7	25.0	24.0	24.4	25.8	27.2	30.5	33.5	35.5	35.5	33.7	33.1	30.1	28.3	28.4	
28	27.7	25.5	24.0	26.7	27.7	30.6	28.6	27.7	27.7	27.1	26.5	26.3	25.4	24.0	24.0	27.9	31.1	32.7	34.1	32.7	31.5	29.8	28.7	27.8	28.2	
29																										
30																										
31																										
Mean	26.6	26.7	26.3	26.2	26.4	26.7	27.5	28.1	28.0	28.8	27.5	26.5	26.0	25.0	24.7	26.7	29.4	31.0	32.4	32.4	31.6	30.2	29.3	28.0	28.0	

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

Table 7 Agincourt

Z = 56,000 γ +

February 1945

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	373	374	374	373	371	368	368	370	371	371	371	371	371	368	364	361	368	370	374	377	378	376	373	371	371	
2	371	370	370	371	371	367	364	365	368	366	366	360	367	376	373	370	377	380	383	383	382	386	385	383	373	
3	388	390	382	359	364	373	374	376	376	374	373	372	376	377	374	372	372	374	380	383	384	383	380	377	377	
4	375	377	373	376	368	355	371	374	375	373	372	372	372	371	367	363	364	366	371	374	374	374	374	374	371	
5 D	374	376	374	374	371	332	341	370	364	359	359	367	374	372	370	370	367	370	373	377	383	378	377	374	368	
6	385	385	381	372	367	369	364	353	358	334	326	342	359	368	367	366	371	373	373	373	374	373	373	372	366	
7	372	372	372	371	369	369	367	364	362	362	359	365	367	367	368	366	365	364	368	372	372	377	373	373	368	
8	371	373	374	380	372	367	371	361	342	348	347	354	356	360	362	363	365	366	369	373	378	378	377	379	366	
9	389	390	384	378	372	371	357	342	355	356	360	368	366	374	375	375	377	374	378	379	379	381	381	381	372	
10	383	379	376	374	373	373	371	366	362	354	354	366	372	372	374	377	373	375	378	378	378	377	378	377	372	
11	378	379	378	376	365	363	356	366	372	377	380	380	379	380	380	375	375	374	377	378	379	380	379	378	375	
12	378	379	378	376	375	369	358	373	378	379	380	377	376	374	373	367	366	370	373	375	378	379	378	375	375	
13 Q	374	373	373	373	373	373	372	370	373	373	372	369	370	368	367	366	363	363	368	370	373	373	373	373	370	
14	373	372	372	370	372	372	370	370	372	373	373	373	372	372	372	371	365	368	370	373	375	376	380	384	373	
15 D	382	398	393	400	398	388	379	379	369	328	330	340	361	368	375	372	372	372	374	379	387	396	398	402	376	
16 D	395	398	396	394	385	382	374	352	365	373	369	373	378	378	371	369	369	372	385	391	390	387	390	386	380	
17	387	387	386	388	385	385	385	383	381	380	379	382	383	382	381	375	377	385	387	391	397	393	391	390	385	
18	389	392	392	390	387	377	370	375	376	377	379	379	377	377	375	376	375	375	375	375	380	381	384	386	380	
19 Q	388	394	396	393	388	382	376	380	381	381	385	381	381	380	375	370	370	373	374	375	380	385	386	381	381	
20 Q	381	380	380	379	377	376	375	374	375	375	374	374	373	369	367	362	364	370	371	374	377	379	379	376	374	
21 Q	377	377	376	376	376	375	374	373	373	375	376	376	375	374	374	373	373	374	375	380	380	380	380	380	376	
22	377	376	377	377	377	375	375	374	367	365	370	372	370	370	367	367	368	371	373	375	376	377	380	380	373	
23	381	378	378	376	376	376	376	376	375	374	372	369	365	364	364	363	365	370	372	372	372	374	374	375	372	
24	375	376	375	375	374	367	371	375	375	372	372	372	374	371	369	368	368	368	371	374	375	376	376	378	373	
25	387	400	387	380	359	362	369	374	370	369	371	377	378	380	380	381	380	381	380	381	386	388	382	383	378	
26 D	381	381	382	378	370	377	386	381	381	378	380	381	380	378	381	382	395	398	402	404	411	411	401	395	387	
27 D	395	393	391	386	382	373	368	372	364	369	381	382	380	378	377	382	382	383	387	410	410	394	387	386	384	
28	386	387	382	382	375	360	372	380	378	380	380	380	379	378	376	378	381	383	382	384	385	382	382	382	380	
29																										
30																										
31																										
Mean	380	382	380	378	375	370	370	370	370	370	368	368	370	373	373	372	370	372	373	376	379	382	382	381	380	375

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt

February 1945

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	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ	Range			
1 Q	05	10	326	16	00	277	49	18	23	35.0	04	04	20.3	14.7	20	50	379	15	20	359	20	
2	11	32	323	14	52	260	63	18	10	37.1	14	53	26.0	11.1	22	15	388	12	00	354	34	
3	03	30	327	16	00	280	47	18	30	34.9	03	26	20.5	14.4	01	00	391	03	41	344	47	
4	06	09	324	17	24	288	36	00	46	33.2	14	25	23.2	10.0	20	00	377	05	27	347	30	
5 D	22	10	328	06	05	250	78	09	28	36.3	05	45	04.3	32.0	20	30	384	06	07	294	90	
6	10	15	342	00	28	261	81	09	33	44.0	00	33	15.9	28.1	00	32	390	09	45	306	84	
7	12	22	335	19	17	300	35	10	07	35.0	14	23	24.1	10.9	21	27	382	10	18	352	30	
8	12	25	337	02	54	274	63	09	36	36.8	02	48	17.6	19.2	03	08	387	09	55	331	56	
9	06	42	337	00	26	270	67	09	30	35.3	00	35	16.5	18.8	00	30	395	07	35	337	58	
10	20	25	327	09	30	286	41	10	02	37.7	03	15	21.1	16.6	00	01	387	10	23	342	45	
11	04	46	341	16	00	281	60	16	35	34.7	04	32	18.3	16.4	14	04	383	06	37	348	35	
12	03	45	331	17	18	292	39	18	23	33.1	03	00	23.1	10.0	03	34	379	06	28	349	30	
13 Q	12	10	330	16	45	306	24	18	26	32.7	12	44	25.6	07.1	00	01	374	16	46	360	14	
14	20	51	349	17	10	315	34	21	34	35.8	14	42	23.5	12.3	22	57	385	17	00	362	23	
15 D	20	48	341	01	36	280	61	20	04	39.9	01	49	15.5	24.4	23	59	418	09	29	310	108	
16 D	00	50	359	18	15	282	77	19	45	39.3	00	28	02.9	36.4	00	07	427	07	44	343	84	
17	23	56	325	16	43	286	39	20	09	38.4	15	21	20.4	18.0	20	34	406	15	49	373	33	
18	06	10	329	14	50	294	35	20	02	32.8	14	20	23.3	09.5	01	00	394	06	38	366	28	
19 Q	21	49	331	18	03	295	36	19	42	32.1	05	50	21.4	10.7	02	25	397	15	37	369	28	
20 Q	08	00	331	16	12	296	35	20	00	32.4	14	40	22.6	09.8	01	36	382	16	00	359	23	
21 Q	00	50	332	16	55	306	26	20	00	32.0	05	23	23.2	08.8	22	06	381	16	00	368	13	
22	11	00	343	17	14	307	36	08	43	33.1	14	28	20.7	12.4	22	12	382	14	24	361	21	
23	10	48	352	17	20	318	34	23	15	29.5	13	36	21.8	07.7	00	01	381	16	00	360	21	
24	19	38	342	17	21	315	27	19	55	33.3	14	33	22.9	10.4	23	24	381	15	42	363	18	
25	04	25	345	01	08	269	76	04	54	37.2	01	00	21.7	15.5	01	18	407	04	51	345	62	
26 D	18	57	339	15	40	256	83	16	57	39.0	04	53	18.2	20.8	20	54	427	04	47	359	68	
27 D	04	25	332	16	06	276	56	19	25	41.5	01	05	20.9	20.6	20	03	424	07	55	357	67	
28	21	24	330	16	00	282	48	18	27	34.9	06	02	16.7	18.2	20	10	387	05	26	354	33	
29																						
30																						
31																						
Mean			335			286	49			35.6			19.7	15.9			392			349	43	
No. days			28			28	28			28			28	28			28			28	28	

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

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

Table 9 Agincourt

H = 15,000 γ +

March 1945

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	321	317	318	324	319	318	322	321	319	318	315	322	324	311	300	293	297	304	313	320	327	327	326	327	317
2	327	325	326	323	324	325	328	328	328	329	329	331	319	312	305	295	297	316	322	325	327	329	325	326	321
3	319	301	299	296	297	321	319	312	304	317	328	324	323	315	316	307	298	302	303	315	317	321	324	322	313
4 Q	320	321	317	317	318	323	321	321	320	322	324	325	322	319	317	313	311	317	320	322	326	324	318	320	
5	313	315	316	316	318	323	321	316	317	320	325	325	321	315	301	287	266	283	279	307	311	302	311	304	309
6	302	295	302	306	308	309	309	320	322	321	325	325	324	315	302	297	284	276	294	305	305	317	325	315	309
7	307	315	313	318	321	316	313	308	311	302	325	327	325	320	317	311	314	317	325	329	332	330	322	326	318
8	320	326	323	322	311	314	315	317	317	325	339	320	324	335	322	311	290	309	316	321	321	321	322	325	319
9	325	324	320	319	319	320	321	323	321	321	320	319	317	315	310	308	305	307	311	312	318	317	305	312	316
10	314	318	318	320	317	319	320	321	322	320	320	320	318	315	313	313	317	326	332	336	336	336	338	335	323
11 D	290	289	265	269	292	310	310	316	311	286	308	321	295	278	272	288	307	285	303	315	313	310	304	300	297
12 D	300	312	312	305	315	295	301	283	298	289	263	314	324	307	239	245	260	284	293	331	357	340	314	277	298
13	288	296	298	300	304	300	296	301	299	300	297	281	299	298	286	284	289	297	304	311	316	318	320	320	300
14	318	317	316	316	317	316	318	313	313	307	313	314	317	315	302	281	287	295	309	326	334	324	315	309	312
15 D	287	256	311	274	306	291	295	251	291	309	311	312	316	315	304	293	307	289	290	313	321	323	319	309	299
16	300	289	285	282	289	304	312	294	302	299	272	294	302	291	261	272	289	277	308	313	325	316	313	308	296
17	318	317	318	313	317	319	321	315	307	312	317	317	316	312	308	301	295	298	302	313	317	326	317	314	313
18	319	312	314	315	329	325	329	326	323	326	329	323	309	309	303	286	280	282	298	314	329	325	323	307	314
19	316	322	323	319	322	319	322	324	324	324	324	320	317	305	297	301	308	313	319	323	324	329	334	334	320
20	317	306	322	324	327	324	327	324	318	322	327	326	324	318	308	297	296	304	316	339	349	312	311	311	319
21	315	313	315	314	317	324	324	325	321	318	324	323	322	312	303	295	297	305	303	313	327	331	327	325	316
22 Q	323	321	320	324	324	329	325	324	325	326	329	326	319	311	301	289	288	294	310	319	329	334	334	330	319
23 Q	329	327	321	317	318	327	325	324	323	325	328	329	322	313	302	300	304	311	321	323	329	330	332	329	321
24	333	333	333	333	333	333	333	335	327	325	323	323	322	311	307	298	308	319	327	335	342	336	328	331	326
25	313	321	326	323	322	331	327	327	329	328	328	326	323	322	311	306	298	310	323	336	339	344	342	327	324
26 D	261	254	302	307	301	282	273	266	276	278	288	316	313	285	262	256	301	311	297	308	341	312	327	288	292
27	310	312	333	317	321	324	323	324	326	322	312	325	316	297	290	286	296	307	287	300	331	332	327	335	315
28 D	338	330	327	326	321	331	334	312	316	339	322	233	310	269	302	295	291	291	299	305	312	323	320	321	311
29	317	322	320	316	319	308	301	291	311	304	313	316	313	299	281	284	301	313	322	325	331	322	322	320	311
30 Q	321	322	322	325	325	323	323	323	322	322	323	321	316	303	295	291	295	308	313	321	327	329	328	329	318
31 Q	334	334	331	328	325	326	325	326	326	326	326	323	315	303	295	292	303	315	325	339	340	338	336	322	323
Mean	313	312	315	313	316	317	317	313	315	316	317	317	317	308	298	293	296	302	309	320	328	325	323	318	313

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt

D = 7° W + . . . '

March 1945

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	27.7	27.0	23.6	26.7	27.7	27.8	28.1	28.2	28.7	27.6	30.5	29.6	26.2	25.8	25.7	26.9	29.2	31.2	32.7	31.2	29.6	28.3	27.7	27.7	28.1	
2	27.5	27.2	27.3	27.7	27.7	27.3	27.2	27.2	26.8	26.8	26.4	25.8	24.1	24.4	25.1	28.3	32.3	33.7	32.3	30.8	29.5	28.1	27.7	27.4	27.8	
3	27.2	26.8	24.6	22.2	21.1	24.9	26.6	25.8	25.6	32.2	25.3	24.4	26.3	23.6	23.5	26.2	30.6	32.3	33.4	32.2	31.0	29.2	27.7	27.0	27.1	
4 Q	27.1	27.1	27.1	27.1	26.8	27.2	27.4	27.2	26.4	27.7	26.8	25.0	24.4	25.9	25.0	26.2	28.7	30.5	32.1	32.7	31.9	30.2	28.6	27.7	27.8	
5	26.7	27.5	26.6	26.7	26.9	26.3	27.1	27.1	26.2	26.2	25.6	24.9	24.1	23.5	24.8	27.7	32.3	36.4	44.9	38.6	35.3	33.8	31.4	28.7	29.1	
6	26.3	26.8	27.1	27.9	27.2	26.2	33.6	33.8	25.6	25.0	27.4	27.3	26.9	25.0	25.2	26.2	31.4	34.1	33.4	33.8	32.3	30.3	29.8	28.9	28.8	
7	27.5	27.1	26.3	25.1	24.2	26.2	26.8	27.5	29.6	33.0	28.0	24.2	23.9	24.2	25.0	26.2	29.6	31.3	30.8	30.5	30.4	29.6	29.5	28.5	27.7	
8	27.7	27.7	27.7	16.5	18.7	24.6	25.9	28.7	33.5	27.0	23.6	28.9	32.4	34.8	26.8	28.1	35.7	33.1	31.4	31.5	31.2	29.9	28.8	28.7	28.5	
9	28.0	28.1	28.1	28.2	27.2	27.7	27.5	27.2	26.8	25.8	25.3	26.0	25.4	25.2	26.7	28.7	31.3	34.6	35.0	35.0	33.7	31.3	25.8	26.7	28.6	
10	28.0	26.9	27.7	28.2	27.7	27.6	27.7	26.8	26.7	26.3	26.5	25.9	24.9	24.5	25.9	27.5	30.5	32.5	31.3	29.9	29.1	29.1	28.1	27.8	27.8	
11 D	12.0	23.1	19.1	11.1	22.9	26.3	28.7	34.9	32.6	36.0	39.6	35.0	32.0	29.5	35.0	35.4	35.9	34.5	41.9	34.0	30.0	28.1	27.7	27.9	29.7	
12 D	27.7	27.7	27.2	26.7	29.6	35.1	26.8	33.3	34.5	31.5	30.7	31.3	20.8	19.6	30.5	38.2	32.2	37.9	38.3	37.4	22.3	34.5	28.0	33.2	30.7	
13	32.3	29.5	27.7	27.7	28.1	27.1	28.4	30.7	30.5	29.5	29.4	35.5	29.9	24.9	25.6	28.4	30.5	31.9	32.1	31.7	30.5	29.6	29.5	29.6	29.7	
14	28.7	28.6	28.1	28.0	28.1	31.3	30.7	26.8	26.0	26.7	27.2	25.0	23.1	22.6	24.4	27.7	32.6	33.7	35.0	34.0	33.2	32.2	33.0	32.4	29.1	
15 D	18.6	03.8	09.0	24.1	23.9	24.5	38.7	33.5	33.3	33.6	32.6	33.2	31.7	31.8	35.4	32.4	31.3	36.6	35.8	35.8	35.0	34.1	12.0	29.1	28.7	
16	13.1	27.1	22.1	24.7	27.1	24.5	28.1	30.2	31.2	25.6	33.1	30.6	22.8	24.1	29.5	36.6	34.7	36.9	34.4	34.6	33.1	32.0	29.6	23.6	28.7	
17	29.5	20.5	25.9	29.6	29.8	28.1	28.7	27.5	26.4	26.8	27.3	25.9	24.0	23.2	24.1	27.0	30.2	32.7	34.9	35.4	34.1	30.5	28.7	25.6	28.2	
18	28.2	28.1	27.7	26.6	27.4	24.5	26.3	26.7	25.6	26.9	25.8	25.0	26.0	27.0	24.0	26.3	28.9	32.5	34.0	34.0	33.1	30.4	29.5	29.1	28.1	
19	28.0	26.7	27.3	27.6	27.5	27.7	28.1	27.9	27.7	27.3	26.6	25.3	24.2	24.6	25.6	29.3	30.8	31.7	33.2	33.2	31.8	30.1	29.0	28.5	28.3	
20	27.9	27.8	27.6	27.8	28.7	28.0	27.8	25.9	27.8	27.4	26.5	24.3	23.7	23.6	25.0	27.3	31.1	34.1	35.8	35.7	39.8	39.4	33.2	31.9	29.5	
21	29.7	28.2	28.2	27.4	27.5	26.5	27.8	27.0	26.8	30.0	30.6	26.0	23.9	22.4	24.3	28.2	31.4	33.0	35.1	34.7	31.7	29.6	28.2	28.8	28.7	
22 Q	28.7	28.2	25.6	26.1	28.1	28.2	27.2	26.9	26.8	28.7	27.3	25.4	24.1	24.2	25.3	28.2	31.5	33.8	34.7	34.1	32.0	29.4	28.3	28.1	28.4	
23 Q	28.3	28.0	27.3	27.4	27.8	26.8	27.8	26.9	26.5	25.7	26.1	24.9	22.7	22.3	24.2	28.7	30.9	32.9	34.0	32.8	30.8	28.2	27.8	28.2	27.8	
24	28.2	27.8	27.8	27.7	27.2	26.3	26.1	26.7	24.6	26.4	19.7	19.8	19.7	19.7	24.4	27.0	31.5	33.4	33.7	32.4	30.6	29.3	28.8	28.1	26.9	
25	27.0	24.6	28.2	28.5	28.2	28.0	26.7	26.9	26.5	26.5	27.1	27.7	27.4	27.0	26.1	27.1	31.7	34.4	33.0	31.9	30.7	29.8	29.2	27.0	28.4	
26 D	17.0	19.8	25.2	23.3	17.4	19.7	18.8	34.3	44.2	32.1	24.3	20.7	20.5	25.1	39.0	57.5	54.2	32.6	34.7	33.9	31.1	30.6	28.2	21.9	29.4	
27	25.2	23.7	23.7	25.2	28.9	28.5	26.9	25.9	25.9	28.9	31.6	35.2	21.2	24.5	27.2	32.6	34.7	34.2	34.3	31.9	32.7	31.9	30.0	26.1	28.8	
28 D	28.0	25.7	20.6	25.3	20.2	27.0	30.8	38.1	19.9	19.9	20.2	39.1	22.1	36.2	31.0	26.1	29.9	32.8	32.0	32.6	31.0	29.0	28.1	28.3	28.1	
29	28.7	28.7	29.0	29.6	28.9	26.5	29.0	30.7	33.8	27.3	30.1	28.0	22.6	21.6	27.0	32.0	34.4	34.4	34.3	33.4	31.7	30.0	28.7	28.0	29.5	
30 Q	28.1	29.0	29.2	29.0	28.7	28.3	28.2	28.0	27.7	27.7	27.1	25.9	24.0	23.9	25.4	30.2	33.9	34.5	34.8	33.5	31.8	29.9	29.0	28.4	29.0	
31 Q	28.5	28.4	28.9	28.7	28.4	28.3	28.0	28.0	27.5	27.4	26.6	25.6	24.3	23.2	25.5	28.0	33.6	35.7	35.0	33.4	32.2	30.5	28.9	29.2	28.9	
Mean	26.4	26.0	25.8	26.1	26.5	27.0	28.0	28.9	28.5	28.1	27.6	27.5	24.8	25.1	26.8	29.9	32.5	33.7	34.5	33.5	31.8	30.7	28.4	28.1	28.6	

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

Table 11 Agincourt

Z = 56,000 γ +

March 1945

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	381	379	379	376	377	377	378	377	376	375	373	371	378	379	382	387	387	383	382	383	384	387	382	382	380
2	379	377	377	377	378	377	376	376	376	376	376	375	376	376	376	379	383	386	384	383	382	381	378	381	379
3	378	385	388	368	367	359	371	377	376	375	370	376	376	375	375	373	375	379	383	388	388	388	387	385	378
4 Q	382	382	381	382	381	379	380	381	378	379	377	377	377	376	373	370	369	370	376	376	379	382	382	384	378
5	383	384	386	383	381	371	375	377	378	381	379	379	378	376	375	376	379	384	387	402	416	419	405	399	385
6	394	396	393	391	388	384	368	352	372	379	379	376	370	370	372	375	376	383	395	394	404	396	390	392	383
7	397	394	390	385	378	370	364	361	367	361	370	377	379	379	380	378	383	384	386	384	382	383	384	385	379
8	384	384	385	359	366	378	379	376	353	362	367	361	356	359	362	367	370	377	377	377	379	382	382	383	372
9	382	379	381	379	380	382	382	382	379	379	379	379	378	378	377	380	382	386	394	395	397	397	402	400	384
10	391	389	385	384	384	386	384	384	385	386	386	387	387	385	382	374	372	372	377	379	380	379	380	385	383
11 D	408	382	391	360	373	389	378	343	339	305	300	339	348	364	380	385	393	389	395	395	394	393	393	395	372
12 D	395	397	394	392	382	343	344	350	344	338	341	351	367	371	372	385	389	392	393	392	391	391	396	397	400
13	421	407	397	394	390	384	379	367	367	373	377	371	372	385	389	392	393	393	392	391	391	396	397	397	388
14	392	389	389	388	388	379	367	379	385	380	376	373	379	380	381	381	386	390	390	392	397	401	413	420	388
15 D	419	427	438	397	432	401	319	316	354	384	392	396	398	392	380	384	384	386	402	413	434	469	477	469	403
16	438	427	428	419	402	384	377	381	384	390	365	363	379	384	383	390	395	405	409	398	402	402	409	408	397
17	402	396	384	393	390	381	374	367	377	389	393	394	392	389	387	387	389	390	393	396	399	401	404	403	390
18	400	402	402	398	385	381	387	390	386	389	388	387	384	384	382	381	384	390	395	394	396	399	402	402	391
19	402	396	393	391	391	391	391	388	389	387	388	390	393	394	393	391	392	393	394	393	391	391	391	390	392
20	391	398	394	386	389	388	382	376	382	385	386	388	388	386	385	382	386	391	390	394	435	457	424	411	395
21	399	394	392	392	392	386	391	388	389	384	379	381	386	385	385	382	382	386	393	397	391	393	392	391	389
22 Q	387	388	386	382	386	382	386	386	386	385	385	385	384	382	382	381	384	387	392	395	394	392	391	390	386
23 Q	388	388	388	390	391	386	385	386	386	386	386	387	388	388	386	385	381	382	386	388	389	389	390	388	387
24	387	387	386	385	386	385	381	380	380	373	356	376	382	382	382	374	376	379	382	386	387	388	389	391	382
25	399	393	390	387	387	381	382	386	387	386	385	385	383	381	379	377	382	389	392	394	396	395	393	402	388
26 D	428	435	423	391	371	340	354	269	186	226	355	396	398	386	383	381	386	394	401	417	416	412	421	436	375
27	416	403	379	382	392	392	382	387	391	379	351	363	366	375	375	380	386	389	403	421	416	405	422	411	390
28 D	400	395	404	387	374	366	372	316	354	386	351	298	354	334	347	370	376	381	388	396	399	399	395	395	373
29	394	394	395	394	392	374	372	361	354	351	348	342	366	379	382	390	395	394	394	395	400	403	410	403	383
30 Q	399	395	393	390	389	387	389	389	389	390	392	393	393	393	392	390	388	393	396	398	398	396	394	394	393
31 Q	392	388	388	388	388	388	388	387	387	388	388	389	388	383	387	383	383	389	393	393	393	396	399	399	389
Mean	397	394	393	386	385	379	375	368	369	371	372	374	378	378	379	381	384	387	392	396	400	402	403	401	385

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt

March 1945

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 02	331	15 11	292	39	11 00	34.1	02 53	19.6	14.5	20 37	388	11 22	366	22
2	20 55	333	16 00	284	49	17 47	34.7	13 12	23.3	11.4	17 10	387	12 42	371	16
3	05 33	331	03 55	284	47	09 11	34.7	05 05	17.6	17.1	19 51	391	03 56	340	51
4 Q	21 42	331	16 33	308	23	19 18	33.4	11 36	24.0	09.4	23 59	386	15 48	366	20
5	05 00	335	16 43	259	<u>76</u>	18 36	47.8	14 17	22.3	25.5	21 30	433	05 17	361	72
6	12 13	330	17 10	268	62	06 55	39.5	14 10	22.6	16.9	20 24	410	07 05	336	74
7	21 04	334	09 13	287	47	09 42	35.9	12 45	23.1	12.8	00 01	400	07 15	352	48
8	10 48	351	16 29	275	76	16 50	39.5	03 28	02.0	37.5	02 26	389	03 49	324	65
9	00 25	327	22 34	298	29	19 11	35.9	22 47	24.1	11.8	23 01	407	13 28	377	30
10	23 00	342	00 02	307	35	17 33	33.0	13 50	24.1	<u>08.9</u>	00 01	396	16 46	370	26
11 D	01 20	343	10 42	241	102	10 10	48.6	03 25	00.2	48.4	00 48	454	10 02	247	207
12 D	20 22	376	15 28	226	150	16 00	43.2	13 19	15.6	27.6	22 17	589	10 03	294	295
13	23 06	324	00 01	268	56	11 55	37.8	13 40	24.5	13.3	00 01	430	07 23	360	70
14	20 52	341	15 59	270	71	05 53	36.6	14 12	22.0	14.6	23 56	442	06 13	361	81
15 D	02 18	364	07 09	227	137	06 56	54.3	01 10	<u>12.2</u>	<u>66.5</u>	22 04	572	06 54	233	339
16	20 22	345	14 43	253	92	17 26	40.5	00 12	-07.2	47.7	00 06	556	11 12	349	207
17	02 05	337	17 08	294	43	19 42	36.1	01 47	15.0	21.1	22 22	408	07 34	363	45
18	04 17	339	17 05	275	64	18 30	35.2	13 39	22.7	12.5	21 46	405	04 24	377	28
19	23 23	337	15 42	297	40	19 00	33.8	01 00	21.4	12.4	00 01	404	10 00	386	18
20	21 00	397	21 17	276	121	21 10	51.6	13 30	22.4	29.2	21 00	517	07 20	370	147
21	21 45	338	16 10	290	48	18 38	36.3	13 34	21.8	14.5	00 01	408	10 40	376	32
22 Q	22 10	336	16 21	283	53	18 05	35.0	03 07	22.1	12.9	19 00	395	05 30	379	16
23 Q	11 12	333	15 00	297	36	18 10	34.1	12 56	21.8	12.3	04 16	392	16 23	380	<u>12</u>
24	20 03	359	15 28	295	64	16 58	35.0	10 55	18.2	16.8	23 54	394	10 12	339	<u>55</u>
25	21 26	357	16 03	293	64	16 59	36.5	01 14	19.9	16.6	23 59	410	16 03	374	36
26 D	20 47	360	07 22	213	147	08 51	<u>58.0</u>	00 45	10.1	47.9	23 00	459	07 50	<u>136</u>	323
27	20 34	380	18 40	270	110	22 18	36.5	02 02	04.3	32.2	22 28	430	10 34	335	95
28 D	02 55	346	11 17	<u>156</u>	<u>190</u>	07 28	54.8	02 17	13.0	41.8	02 15	412	11 17	191	221
29	20 04	341	14 53	<u>269</u>	<u>72</u>	07 58	44.0	13 11	20.7	23.3	22 20	412	10 56	334	78
30 Q	03 43	332	14 55	286	46	18 15	36.0	12 35	23.3	12.7	00 01	401	16 00	387	14
31 Q	20 58	351	15 45	290	61	17 23	36.3	13 58	22.9	13.4	23 59	400	15 37	381	19
Mean		345		272	73		39.6		16.9	22.7		428		339	89
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 1945

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	320	315	316	324	324	302	192	089	071	148	219	260	270	263	267	291	284	306	318	311	319	317	315	309	269	
2	299	286	281	289	308	322	310	310	318	317	317	316	310	311	311	296	291	298	317	322	326	325	327	325	310	
3	325	321	318	316	313	319	321	324	325	324	326	325	321	314	303	290	284	288	303	319	328	331	331	327	317	
4	326	326	327	326	326	326	328	327	327	327	329	331	325	298	273	287	296	304	315	326	335	335	326	326	320	
5	329	331	332	331	330	331	330	331	332	336	331	329	331	319	305	290	280	285	303	334	367	322	304	314	322	
6 D	316	315	308	305	315	321	312	307	313	294	300	321	308	306	285	270	273	273	304	318	329	331	332	315	307	
7	286	310	316	305	304	299	314	321	329	327	326	323	321	314	314	315	315	321	326	331	333	345	309	306	317	
8	292	278	287	320	319	325	318	317	308	309	322	314	305	291	290	285	295	309	320	328	335	329	328	320	310	
9 Q	320	322	313	313	315	321	321	322	324	323	323	320	319	309	300	293	299	312	324	335	334	335	336	334	320	
10	333	330	321	322	327	329	328	331	332	333	333	330	322	313	308	311	316	322	328	331	334	335	334	340	327	
11 D	341	341	339	336	335	332	334	344	336	302	319	313	273	314	278	285	287	294	299	309	325	325	340	318	318	
12 D	301	311	306	304	295	309	301	306	294	306	307	310	304	298	295	273	279	304	321	333	332	346	324	297	306	
13	298	306	313	325	329	317	303	296	289	291	295	296	299	300	291	286	293	308	324	342	349	343	334	309	310	
14 D	314	306	313	318	314	318	318	313	314	307	319	313	303	293	295	293	291	295	312	327	333	340	323	317	312	
15	313	305	308	308	321	317	312	299	307	307	303	282	290	302	296	279	284	302	317	326	332	327	324	324	308	
16	321	321	320	322	318	319	321	318	320	318	320	318	314	303	296	290	296	308	322	321	328	329	327	325	317	
17 Q	322	325	324	323	322	325	326	323	324	325	327	324	322	315	306	306	321	334	339	340	342	337	334	334	326	
18	332	331	327	319	319	319	323	326	322	320	320	319	318	311	297	297	308	318	325	332	335	333	333	327	321	
19	328	334	328	323	324	315	316	316	312	324	329	324	313	308	304	303	306	313	329	349	339	333	329	325	322	
20	327	308	299	303	322	328	327	333	328	329	322	299	291	300	287	296	302	310	323	336	339	329	329	327	317	
21	326	325	325	326	326	325	327	327	327	327	327	326	322	307	295	297	316	328	340	342	343	342	332	322	325	
22	316	323	328	328	327	323	325	326	330	331	328	326	314	299	286	286	296	303	326	342	336	326	331	334	320	
23	332	337	331	325	328	333	338	338	341	336	323	321	323	311	295	288	305	311	326	338	351	338	327	318	325	
24	322	307	295	303	306	315	319	330	317	321	325	324	326	317	306	300	304	315	318	328	344	344	340	331	319	
25	325	327	314	321	328	331	334	336	337	332	335	331	324	312	301	303	312	320	326	335	338	341	338	332	326	
26 Q	330	330	331	333	332	331	330	330	328	328	329	329	321	309	297	312	320	328	338	343	348	342	336	332	328	
27 Q	330	331	328	322	328	330	331	329	332	333	332	330	322	312	301	293	296	303	318	333	342	345	340	336	325	
28 Q	333	333	335	335	333	333	332	332	332	333	332	330	324	312	302	299	311	322	330	336	343	349	354	343	330	
29	340	335	338	339	338	337	338	338	341	340	343	338	337	318	297	298	313	327	337	347	357	355	358	346	336	
30	338	333	331	332	330	335	344	341	326	323	315	335	333	326	312	306	306	302	315	330	337	351	337	342	328	
31																										
Mean	320	320	318	320	322	322	319	316	314	316	319	318	313	307	296	293	299	308	321	331	337	336	331	325	318	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7° W + . . . '

April 1945

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	27.7	25.2	26.5	28.0	27.9	15.9	27.0	34.4	17.8	34.8	33.9	30.9	29.8	31.7	31.1	40.7	36.2	33.5	32.9	33.2	30.2	27.2	29.0	28.4	29.8	
2	27.1	10.0	22.5	25.3	28.2	30.8	29.6	33.2	27.5	27.7	27.4	28.0	32.6	29.9	29.8	29.3	32.8	35.7	33.1	33.9	32.5	31.2	30.4	29.9	29.1	
3	29.7	29.6	29.3	23.6	28.5	29.3	29.1	29.1	27.1	27.3	27.2	26.1	24.8	24.4	24.8	27.2	30.4	33.2	35.0	34.5	33.7	31.9	30.6	29.9	29.1	
4	29.3	29.2	29.0	28.5	28.6	28.7	28.2	28.1	27.9	27.3	26.7	25.8	25.7	23.6	31.1	38.2	37.7	37.2	38.1	37.2	34.9	32.6	30.3	29.1	30.5	
5	28.5	28.1	28.2	28.5	28.4	28.1	27.7	27.6	27.2	27.1	28.1	28.6	23.6	23.0	24.3	26.4	29.9	34.5	37.3	31.8	25.3	34.1	33.2	31.1	28.8	
6 D	30.0	28.2	27.3	25.2	26.1	27.2	31.3	31.8	35.2	25.4	30.7	23.8	23.3	25.4	25.9	32.8	37.3	35.9	34.9	34.6	32.9	31.4	30.0	28.2	29.8	
7	20.0	26.4	25.3	32.5	24.2	22.8	43.6	41.1	25.4	24.0	25.5	25.1	25.0	25.2	26.1	27.8	29.2	30.5	31.9	32.2	32.4	31.0	23.6	27.6	28.2	
8	25.1	22.9	25.2	29.2	26.4	31.0	23.8	22.0	36.6	35.5	26.3	26.4	25.8	29.3	29.2	31.7	34.2	33.6	32.8	31.8	30.0	29.1	28.2	28.2	28.9	
9 Q	27.3	26.4	24.6	25.2	28.7	29.8	30.1	28.5	27.3	26.7	26.3	25.5	24.9	24.6	25.1	27.3	30.2	32.8	34.0	33.3	31.9	29.6	28.2	28.5	28.2	
10	28.2	27.3	26.3	25.2	28.2	27.5	27.4	27.0	26.4	26.2	25.5	25.4	24.4	27.8	27.3	29.2	32.3	35.2	36.4	35.1	32.9	31.0	29.5	28.2	28.8	
11 D	28.3	28.4	28.3	27.8	26.8	26.2	26.5	26.4	25.5	32.9	12.6	17.4	37.4	32.0	27.7	35.0	37.2	37.5	37.5	35.6	35.0	33.7	26.4	28.3	29.6	
12 D	20.5	20.2	21.3	22.3	31.2	24.6	27.5	31.1	31.5	30.1	25.2	22.6	23.2	23.5	24.6	29.9	35.6	36.0	34.3	32.6	29.5	26.5	30.1	26.8	27.5	
13	25.3	29.5	29.2	31.3	31.9	25.9	24.6	22.0	20.5	21.7	24.7	26.0	25.0	22.9	24.8	29.7	33.9	35.6	36.4	35.8	34.6	33.9	30.5	28.3	28.5	
14 D	26.5	23.3	09.4	23.4	27.5	29.4	30.6	31.7	30.1	32.1	24.0	19.8	20.9	23.4	25.9	30.6	33.3	34.8	38.5	37.5	33.3	30.2	25.5	28.5	27.9	
15	26.2	23.9	26.7	24.3	28.4	25.7	30.6	23.3	24.0	21.5	22.4	27.9	28.7	26.6	23.9	27.3	30.2	33.0	34.5	34.3	33.0	31.7	29.7	28.2	27.8	
16	28.4	26.1	25.7	28.1	28.5	28.6	29.5	33.6	26.9	25.4	25.2	23.3	22.1	22.3	24.7	27.9	30.3	33.1	33.8	34.4	33.0	31.2	30.0	27.7	28.4	
17 Q	25.1	27.9	26.9	28.2	27.8	26.5	27.5	27.6	27.0	26.6	25.7	24.9	24.9	25.1	27.0	32.2	35.3	36.2	36.1	35.3	33.4	31.2	30.2	29.4	29.1	
18	28.5	28.1	26.9	25.7	26.1	27.9	30.4	26.7	24.3	24.3	23.9	23.8	22.9	23.8	25.7	29.4	32.4	32.9	32.7	32.4	31.9	31.1	30.4	28.6	28.0	
19	29.3	28.4	28.7	26.5	25.3	24.3	26.6	25.7	27.5	25.3	20.6	18.7	19.3	23.9	25.2	29.4	32.9	34.0	34.8	35.2	33.9	33.0	31.2	28.4	27.8	
20	27.9	24.6	19.3	24.8	26.7	27.4	26.8	26.8	25.2	24.3	23.9	26.2	29.9	30.6	33.1	32.4	32.4	33.6	33.1	31.9	29.4	28.5	27.0	27.8	28.1	
21	27.8	26.6	28.2	28.8	28.4	27.7	27.5	26.9	26.6	26.3	26.1	25.5	24.2	23.1	24.3	28.7	33.5	35.3	35.2	33.9	31.4	29.6	28.4	28.4	28.4	
22	28.8	28.8	28.4	28.9	28.4	28.4	27.6	26.9	26.0	25.6	24.2	22.1	21.2	21.5	24.3	29.9	33.0	36.4	37.5	35.4	33.4	31.1	29.3	27.9	28.5	
23	28.2	27.1	26.9	24.3	26.2	26.9	26.5	25.7	23.3	23.4	24.2	22.3	18.6	19.6	22.5	27.6	34.4	35.5	34.4	32.8	30.4	29.4	27.0	27.8	26.9	
24	26.1	14.2	19.6	24.7	24.8	28.7	28.0	28.4	21.4	21.4	20.3	19.7	18.6	20.3	23.8	29.4	32.6	35.4	36.3	34.8	33.3	21.1	17.9	17.4	24.9	
25	25.3	23.1	19.3	24.2	28.3	28.2	27.6	30.1	30.6	27.3	23.9	22.1	21.0	22.1	25.8	30.9	33.6	34.1	34.4	33.8	31.4	29.1	26.7	27.4	27.5	
26 Q	27.6	27.8	27.7	27.4	27.8	28.0	27.6	27.9	26.5	25.7	24.3	23.0	23.0	24.8	28.8	34.5	36.3	36.0	35.0	33.1	30.3	27.5	26.0	26.0	28.4	
27 Q	26.9	27.5	24.8	25.1	27.7	27.6	26.9	26.6	26.6	26.1	24.7	22.1	20.6	20.3	22.1	26.3	31.6	35.3	37.1	34.8	32.7	30.3	27.1	25.7	27.4	
28 Q	26.6	27.4	27.5	27.7	27.5	27.4	26.9	27.3	27.0	26.7	24.4	23.0	20.7	22.0	24.4	28.7	32.1	33.0	33.3	33.3	31.5	29.4	26.3	25.4	27.4	
29	26.6	26.6	26.5	28.1	28.4	27.8	27.0	26.6	26.3	26.6	24.5	22.7	21.1	21.3	21.6	29.6	33.0	34.8	34.7	32.6	30.5	28.6	27.6	27.1	27.5	
30	26.9	27.6	27.8	26.7	26.0	26.4	31.1	26.4	23.8	23.0	26.5	24.0	20.7	20.7	23.6	27.0	29.6	30.7	36.0	33.9	32.7	30.6	30.6	27.8	27.5	
31																										
Mean	27.0	25.7	25.4	26.6	27.6	27.2	28.5	28.3	26.6	26.6	25.0	24.1	24.2	24.5	26.0	30.3	33.1	34.5	35.1	34.1	32.1	30.3	28.3	27.7	28.3	

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

Table 15 Agincourt

z = 56,000 γ +

April 1945

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	400	396	397	392	383	348	267	154	158	205	247	289	327	358	364	375	393	404	407	413	422	434	423	410	348	
2	407	382	365	387	381	367	375	382	388	393	393	388	382	386	392	389	395	398	404	403	401	401	399	394	390	
3	394	395	395	388	394	393	392	390	393	391	393	393	394	394	390	384	388	389	390	390	390	391	393	391	391	
4	393	389	391	389	389	389	389	388	388	389	389	389	392	390	390	393	385	388	393	388	391	397	397	397	395	391
5	390	389	390	388	389	387	387	388	388	388	385	376	377	382	384	382	384	395	401	409	448	451	417	402	395	
6 D	397	395	399	402	400	392	352	321	329	309	345	366	378	381	382	384	388	397	407	404	398	396	395	404	380	
7	411	405	382	345	361	336	293	344	377	382	388	389	390	392	392	389	390	390	391	393	395	401	418	423	382	
8	406	389	384	371	384	379	373	369	365	356	370	378	385	383	384	384	388	394	394	396	396	394	395	394	384	
9 Q	394	393	393	389	390	390	389	386	389	389	389	389	388	385	385	383	382	380	385	388	393	394	394	390	389	
10	389	386	388	388	388	386	385	385	385	385	385	385	385	383	379	377	382	384	390	392	394	394	392	391	386	
11 D	388	388	388	388	383	384	385	384	359	309	328	355	336	318	359	370	376	390	400	401	411	435	443	437	380	
12 D	437	362	366	379	320	338	369	372	373	386	389	391	391	392	389	385	396	398	398	400	416	428	424	426	389	
13	416	407	401	386	360	372	377	353	340	364	377	384	384	383	384	380	381	384	386	390	397	402	410	414	385	
14 D	407	416	396	367	387	395	393	391	385	380	383	386	387	389	389	385	384	393	404	414	423	431	434	413	397	
15	402	399	401	398	398	380	339	345	379	384	386	378	374	374	378	383	380	383	389	396	399	403	400	399	385	
16	398	393	391	390	391	391	384	372	381	389	390	390	391	393	392	392	390	392	397	397	399	399	397	397	391	
17 Q	394	393	391	391	391	384	377	383	385	386	386	387	386	387	385	384	384	387	387	390	390	391	392	392	388	
18	391	390	390	390	386	386	383	381	384	386	387	387	384	384	383	383	383	386	389	390	390	391	391	396	387	
19	394	394	397	401	396	391	391	386	384	384	385	380	376	377	378	376	377	381	385	393	398	399	402	403	388	
20	397	401	401	398	397	391	375	364	385	385	386	384	380	380	380	384	386	390	390	388	387	391	390	390	387	
21	391	392	391	390	390	388	388	387	387	386	387	387	386	387	384	379	382	388	388	390	391	391	393	396	388	
22	396	396	391	390	387	387	390	390	388	387	390	390	390	388	384	381	381	381	393	402	412	409	403	396	392	
23	392	392	393	391	392	391	390	390	390	391	389	381	380	380	384	385	388	397	402	402	406	405	406	403	392	
24	403	391	381	395	388	377	346	349	381	393	396	393	390	384	377	377	381	387	398	408	411	413	410	408	389	
25	404	400	391	393	398	398	396	386	375	384	393	397	396	395	392	392	397	400	402	404	406	404	401	397	396	
26 Q	394	394	392	391	390	390	391	391	390	391	393	392	390	386	384	388	394	393	396	397	395	393	392	391	391	
27 Q	391	391	389	388	388	389	389	389	390	391	391	391	390	388	383	383	387	391	396	398	402	404	395	395	391	
28 Q	391	389	389	388	389	388	388	388	387	389	392	392	392	392	386	380	385	386	392	397	397	398	397	392	390	
29	389	387	386	386	386	385	385	385	385	385	386	385	385	382	382	385	386	387	385	382	381	383	386	386	385	
30	385	385	386	383	382	383	366	362	356	360	369	376	378	375	376	368	368	375	382	385	387	394	394	394	378	
31																										
Mean	398	393	390	387	386	382	374	368	371	373	379	382	382	383	383	383	386	390	394	397	401	404	402	401	387	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt

April 1945

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 +			Range			
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.		m.	γ	γ
1 D	19	04	358	09	00	-058	416	09	00	58.4	05	35	09.4	49.0	21	21	441	08	36	099	342	
2	22	12	329	01	33	256	73	17	30	37.1	01	45	-01.4	38.5	00	01	413	02	17	351	62	
3	21	06	334	16	45	280	54	18	50	35.3	03	10	13.6	21.7	05	03	396	03	26	381	15	
4	21	08	340	14	29	258	82	15	44	40.2	13	28	21.3	18.9	21	01	400	15	47	382	18	
5	20	37	402	16	45	271	131	18	15	39.4	20	23	14.9	24.5	20	52	484	11	36	369	115	
6 D	23	16	347	17	29	253	94	16	45	40.4	09	40	20.7	19.7	18	01	411	09	27	265	146	
7	21	43	353	00	18	268	85	06	23	51.9	02	50	15.4	36.5	23	01	429	06	33	273	156	
8	20	23	339	01	30	265	74	08	38	41.3	00	53	10.2	31.1	00	01	422	09	03	340	82	
9 Q	19	40	339	15	50	293	46	18	50	34.2	03	05	22.4	11.8	21	32	395	18	00	379	16	
10	23	35	347	14	16	307	40	18	30	36.8	03	04	21.9	14.9	21	12	395	14	17	377	18	
11 D	22	06	363	12	20	225	138	12	51	46.3	11	10	06.2	40.1	22	03	495	09	45	260	235	
12 D	01	12	484	01	35	263	221	04	01	44.4	01	15	08.1	36.3	01	14	641	04	32	286	355	
13	19	34	362	08	15	276	86	18	50	37.7	00	01	07.1	30.6	00	01	429	08	00	330	99	
14 D	22	02	360	17	18	283	77	18	20	39.4	02	33	-24.5	63.9	22	30	454	03	00	360	94	
15	05	57	351	11	39	272	79	06	05	36.1	01	03	18.7	17.4	00	01	410	07	02	324	86	
16	20	20	333	16	01	290	43	07	20	35.8	12	23	21.5	14.3	20	21	399	07	30	366	33	
17 Q	20	00	343	14	45	302	41	17	20	36.7	00	15	22.9	13.8	00	08	396	06	20	374	22	
18	21	00	337	15	00	292	45	16	50	33.3	12	38	22.2	11.1	23	25	396	06	30	377	19	
19	19	54	376	15	30	300	76	19	32	36.1	12	00	16.8	19.3	23	11	406	16	00	371	35	
20	07	00	348	14	25	271	77	14	45	37.0	02	10	13.3	23.7	01	56	410	07	18	341	69	
21	20	15	347	15	10	291	56	18	00	36.2	13	44	22.0	14.2	23	50	397	16	00	375	22	
22	20	05	354	14	50	281	73	18	15	39.4	13	20	20.4	19.0	20	55	417	15	34	379	38	
23	20	32	367	15	32	280	87	17	20	37.9	12	50	16.0	21.9	20	40	413	11	50	374	39	
24	21	10	372	02	50	281	91	07	03	38.8	01	35	08.0	30.8	21	09	421	07	02	322	99	
25	22	30	345	14	29	290	55	18	20	35.1	02	54	16.9	18.2	20	00	408	08	00	368	40	
26 Q	20	05	349	14	18	293	56	17	00	36.9	12	10	22.1	14.8	19	30	400	14	05	384	16	
27 Q	21	15	349	15	35	293	56	18	31	37.8	13	12	20.3	17.5	20	58	409	15	05	381	28	
28 Q	22	01	364	15	17	292	72	19	00	33.8	12	45	20.3	13.5	21	05	404	15	05	379	25	
29	20	10	361	14	19	291	70	18	03	36.1	14	18	19.6	16.5	00	17	389	20	37	379	10	
30	21	13	359	17	07	291	68	18	22	36.9	09	55	18.8	18.1	23	00	399	08	25	350	49	
31																						
Mean			357			268	89			38.9			14.8	24.1			422			343	79	
No. days			30			30	30			30			30	30			30			30	30	

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

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

Table 17 Agincourt

H = 15,000 γ +

May 1945

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	320	310	300	315	326	335	336	330	327	324	327	323	325	320	313	303	314	322	338	345	335	344	340	337	325	
2 D	340	320	317	305	282	303	320	326	317	321	326	326	318	322	316	311	321	332	340	341	341	331	331	332	322	
3	329	308	309	319	329	317	323	327	321	322	320	322	316	303	308	312	315	322	332	334	343	358	344	320	323	
4	327	330	332	332	327	322	335	326	330	335	332	329	325	319	312	310	318	320	327	333	330	340	332	333	327	
5 Q	329	322	327	330	327	325	329	321	327	330	331	329	322	310	296	306	320	327	330	329	332	322	322	322	323	
6	322	322	325	325	326	323	323	327	328	329	328	334	334	327	321	333	337	350	357	356	341	332	322	327	331	
7 Q	327	330	330	330	331	331	331	331	331	332	332	334	330	322	320	322	335	346	358	362	367	354	330	333	335	
8 Q	327	323	329	322	327	327	327	327	325	327	322	319	317	315	313	306	304	318	337	353	358	351	345	337	327	
9	332	335	336	334	339	337	334	332	344	341	338	332	329	323	320	315	332	357	360	353	353	351	334	321	337	
10	309	319	318	315	312	320	321	328	322	317	314	305	314	311	309	311	330	349	356	353	351	333	330	321	323	
11 D	330	332	329	328	324	263	302	326	324	298	300	291	297	294	305	316	333	341	359	352	356	342	332	329	321	
12 D	330	311	309	305	294	299	309	314	314	312	318	309	300	288	276	281	299	318	331	344	346	338	329	320	312	
13	314	314	309	314	320	322	319	320	314	316	317	312	307	305	291	281	283	292	311	316	326	336	347	333	313	
14	332	326	326	321	321	324	325	325	324	321	321	316	311	305	280	281	290	312	319	332	343	330	328	333	319	
15 Q	325	321	321	318	321	325	321	323	325	324	322	322	316	305	295	297	298	312	323	334	333	336	326	329	320	
16	333	331	321	318	323	323	325	326	330	330	326	328	317	307	302	307	315	322	341	353	336	341	338	338	326	
17	338	324	325	320	311	306	305	315	321	324	325	324	313	305	301	304	316	326	336	337	339	336	334	334	322	
18	329	326	328	327	332	324	316	313	321	316	316	312	311	311	309	304	331	351	357	345	346	353	336	317	326	
19	334	333	337	331	336	334	337	338	336	339	341	341	339	331	319	310	328	352	351	347	346	340	340	331	336	
20	335	338	341	342	348	333	318	320	332	331	333	333	329	321	314	314	333	352	357	358	350	341	340	337	335	
21	340	336	336	340	342	336	335	336	340	335	340	340	335	331	311	313	330	330	333	336	337	340	332	337	334	
22 Q	340	340	339	337	336	336	336	336	336	334	330	325	332	326	310	304	312	324	331	335	338	341	344	345	341	332
23	342	348	354	349	350	342	337	317	325	334	332	335	337	322	307	299	315	330	342	354	355	346	344	339	336	
24	345	335	335	338	320	323	329	332	330	329	331	328	321	311	303	309	316	324	331	341	339	345	339	338	329	
25 D	338	339	342	319	327	327	324	337	339	334	333	327	323	318	309	309	324	330	327	354	342	344	339	345	331	
26	351	342	341	340	340	342	345	344	340	339	338	331	325	315	306	307	314	320	340	337	349	349	340	354	335	
27	344	337	339	336	334	335	334	334	332	332	335	333	325	319	318	320	324	338	354	361	353	346	350	345	336	
28	342	339	337	335	333	335	331	330	331	336	333	340	338	333	329	325	327	346	356	360	366	357	354	351	340	
29	349	325	325	330	340	335	335	334	333	332	329	327	329	324	321	321	329	329	335	350	350	351	359	347	335	
30 D	327	331	335	339	348	346	345	340	344	344	342	340	341	335	331	322	321	334	347	354	370	361	340	348	341	
31	330	335	335	334	335	346	334	345	334	329	332	319	324	325	316	307	316	325	335	340	340	337	329	332	331	
Mean	333	329	329	328	328	325	327	329	329	328	328	325	322	316	309	308	319	332	341	346	346	343	337	334	329	

DECLINATION Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt

D = 7° W + . . . '

May 1945

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	25.7	16.6	18.2	24.5	27.0	27.4	27.4	26.0	25.6	24.8	23.6	25.6	22.5	23.0	25.1	28.2	30.3	32.1	32.7	32.9	32.1	30.6	29.4	28.4	26.7	
2 D	27.5	23.9	22.1	11.8	17.5	22.8	28.4	27.0	29.4	29.4	22.3	22.0	23.9	26.6	25.7	28.7	31.4	32.1	31.4	30.9	29.6	29.9	29.3	28.5	26.3	
3	26.7	19.8	24.7	26.4	28.0	26.2	26.8	26.0	26.9	28.0	24.7	22.1	23.0	24.3	27.5	28.5	29.4	34.8	32.2	32.1	30.4	28.4	27.6	25.4	27.1	
4	27.3	28.9	27.7	27.5	24.8	26.3	27.3	25.0	31.0	25.7	24.7	23.0	22.9	23.3	25.1	27.8	31.2	31.2	31.5	31.5	31.8	30.3	28.4	26.6	27.5	
5 Q	27.0	27.3	26.6	26.7	27.4	26.7	26.6	26.9	30.3	26.5	24.9	23.0	23.8	25.7	29.8	35.1	32.6	32.0	31.6	30.6	29.3	28.4	27.4	26.6	28.1	
6	27.0	27.5	27.5	28.3	27.5	26.7	27.5	27.6	27.5	27.5	25.6	25.9	24.7	26.6	24.8	28.5	30.2	30.7	30.9	29.3	28.8	27.9	27.4	27.5	27.6	
7 Q	27.9	28.2	28.3	28.4	27.9	27.1	27.3	26.6	26.8	26.6	25.8	25.4	24.7	25.3	26.6	31.2	33.4	34.0	33.1	31.8	28.8	27.5	28.0	27.0	28.3	
8 Q	27.2	27.9	27.8	23.9	26.7	27.3	26.6	26.6	24.2	23.3	21.3	19.9	19.6	23.0	26.6	30.2	32.6	33.0	33.0	31.2	30.3	28.7	27.0	27.0	26.9	
9	27.8	28.4	28.4	27.0	26.7	27.0	27.5	26.1	24.8	23.1	21.1	20.3	18.4	20.7	24.0	27.0	35.0	33.3	35.6	36.9	33.6	30.2	29.0	29.8	27.5	
10	28.8	29.4	29.4	28.4	29.2	27.8	27.5	30.4	28.5	26.8	23.2	24.5	22.3	23.1	27.4	32.5	35.6	36.7	36.0	34.5	34.7	32.2	28.4	30.0	29.4	
11 D	28.8	28.5	28.4	28.4	24.8	27.8	20.7	23.9	22.1	24.8	21.6	22.3	23.9	27.7	34.8	37.3	39.2	39.9	36.1	35.7	30.3	27.6	26.8	27.4	28.7	
12 D	27.5	27.5	28.2	27.8	23.9	26.1	30.5	28.4	26.3	29.6	25.9	23.0	21.2	21.7	24.0	28.9	32.4	35.4	37.5	37.5	35.7	30.3	30.3	31.0	28.8	
13	32.0	31.2	29.4	30.3	30.4	30.5	30.6	27.8	26.8	26.9	25.0	23.3	21.8	23.0	24.4	29.3	30.9	31.4	34.3	35.9	35.7	33.0	30.6	27.5	29.3	
14	29.3	29.8	29.7	29.5	29.1	28.1	27.8	27.1	26.0	24.8	23.8	22.3	20.3	19.3	22.3	29.7	34.4	34.1	35.6	34.0	33.0	32.9	30.3	24.1	28.2	
15 Q	27.5	28.4	26.7	26.6	27.5	29.4	27.8	29.4	31.3	30.3	27.9	25.7	23.8	23.0	23.3	26.3	29.1	32.5	34.7	35.3	34.3	32.4	30.0	29.0	28.8	28.9
16	28.2	26.5	25.7	27.0	26.5	27.9	28.4	27.5	26.5	25.4	23.6	22.5	21.4	23.6	26.4	29.6	33.3	34.9	35.8	33.4	31.2	30.6	29.7	28.4	28.1	
17	28.4	30.2	27.4	30.2	27.4	25.5	26.2	25.6	22.9	22.1	20.2	18.3	18.4	21.2	26.5	29.7	32.1	33.6	33.9	33.8	33.3	31.2	30.7	30.0	27.4	
18	27.9	28.4	28.2	28.7	27.9	25.1	23.9	23.0	24.5	24.3	20.3	17.5	17.5	19.1	25.0	28.9	31.3	31.1	30.9	31.1	30.3	28.4	28.4	29.3	26.3	
19	28.8	28.8	28.2	27.4	27.3	26.1	27.4	27.9	27.4	26.4	25.2	22.9	23.3	27.2	28.2	34.0	38.8	38.2	37.0	35.4	34.3	32.4	29.4	26.3	29.5	
20	28.4	28.9	27.5	27.5	30.5	26.1	21.4	29.4	28.0	28.3	23.3	21.6	21.1	23.3	26.3	30.9	34.8	32.0	31.2	30.7	30.2	29.3	28.0	27.6	27.8	
21	28.4	27.5	28.3	28.4	28.4	27.1	27.8	27.7	27.4	23.9	21.2	20.5	19.3	21.2	33.0	32.9	34.2	33.8	33.4	31.5	29.4	27.6	28.6	27.6	27.9	
22 Q	28.0	29.0	28.8	29.2	28.6	28.6	28.0	28.7	28.1	28.1	30.8	33.7	32.9	36.5	30.5	33.9	36.7	37.4	36.5	35.1	31.6	29.2	28.3	26.5	31.0	
23	26.1	27.9	28.3	28.3	27.5	30.1	32.3	21.4	25.0	24.7	22.1	21.5	21.7	24.1	28.3	32.3	35.1	36.1	35.3	32.1	29.2	27.5	26.4	26.2	27.9	
24	25.5	20.4	27.2	29.3	26.4	25.8	27.8	34.6	27.4	23.8	21.9	20.5	20.1	22.4	25.9	32.4	36.4	36.4	34.9	32.8	29.9	26.9	25.5	25.4	27.5	
25 D	26.5	27.7	27.3	10.1	25.3	25.5	32.1	31.0	26.9	23.8	22.3	21.3	19.6	21.1	23.9	28.7	33.1	33.8	35.6	32.9	35.6	32.9	30.1	28.1	27.3	
26	27.8	29.2	28.7	28.4	27.5	26.8	26.0	25.5	24.7	23.7	21.9	19.5	19.2	21.3	23.7	25.3	29.2	30.8	31.9	32.1	32.9	32.0	30.1	28.3	27.0	
27	28.3	28.5	28.3	28.3	38.1	27.0	26.5	26.1	25.2	24.7	23.3	21.9	21.4	22.8	26.1	27.7	29.0	33.1	33.6	33.7	32.4	28.8	28.4	27.8	27.5	
28	27.8	28.3	27.8	27.4	27.7	27.1	27.0	27.3	27.3	26.5	24.2	22.9	22.0	20.2	21.0	22.9	25.1	29.2	30.2	30.4	31.3	32.0	31.0	28.7	26.9	
29	26.2	25.5	27.0	25.2	24.7	24.2	26.4	25.5	27.3	28.0	24.8	21.7	21.0	22.0	25.5	27.7	30.4	32.8	35.3	32.0	31.3	31.1	28.6	28.1	27.2	
30 D	26.9	27.8	27.3	27.0	27.4	26.8	26.3	27.8	26.5	26.0	24.1	21.0	19.0	19.6	24.7	28.3	28.9	34.1	38.0	35.6	32.8	32.3	29.3	27.3	27.7	
31	25.6	27.3	28.4	27.3	25.5	28.0	25.2	26.8	22.0	23.1	22.4	24.2	23.5	25.6	23.8	27.2	29.9	29.1	30.8	31.5	32.8	31.9	30.8	30.1	27.2	
Mean	27.6	27.3	27.4	26.6	27.0	27.0	27.3	27.3	26.6	25.8	23.6	22.5	21.9	23.5	26.3	29.8	32.6	33.6	34.0	33.1	31.8	30.1	28.8	27.8	27.9	

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

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

Table 19 Agincourt

Z = 56,000 γ +

May 1945

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	396	388	386	394	381	368	375	379	381	385	382	380	376	374	373	373	373	374	376	381	386	389	386	386	381	
2	391	395	365	341	347	381	385	380	372	375	377	383	382	381	380	377	378	379	379	382	387	388	389	391	379	
3	394	392	391	388	370	375	385	386	383	369	371	377	377	375	375	377	380	386	386	391	392	397	407	404	385	
4	395	392	388	388	385	374	363	372	381	382	384	383	383	377	376	376	382	384	387	394	398	399	400	398	385	
5	394	393	391	384	386	386	380	376	380	383	387	387	386	381	382	381	377	377	381	390	392	392	393	393	386	
6	390	390	388	387	388	387	387	386	385	385	384	385	384	382	385	377	375	381	386	387	389	389	387	388	385	
7	387	387	387	386	386	385	385	384	384	384	386	385	383	381	377	369	373	377	381	384	388	390	388	394	384	
8	394	394	393	390	393	387	387	386	381	384	387	387	387	382	380	378	375	376	382	387	389	390	389	388	386	
9	387	387	387	386	384	377	380	383	386	386	386	384	384	383	380	374	382	387	387	399	413	425	425	422	390	
10	413	405	405	404	398	394	390	387	382	382	386	386	383	380	377	373	372	377	386	402	410	423	432	415	394	
11	405	398	396	390	377	334	339	378	383	358	342	351	343	345	345	349	363	379	397	407	425	416	404	396	376	
12	400	410	384	361	365	383	385	376	381	391	396	395	393	390	388	385	387	391	403	416	431	437	420	411	395	
13	411	412	408	401	399	389	382	383	390	398	399	395	391	389	390	388	385	391	400	403	411	411	408	403	397	
14	402	396	399	399	400	394	391	386	389	391	393	392	388	387	388	390	388	388	389	397	404	403	404	403	394	
15	396	391	390	390	389	388	388	385	388	388	391	393	391	389	382	383	385	384	387	389	391	394	395	393	389	
16	395	396	390	375	377	386	388	389	389	388	388	388	388	389	391	391	389	387	384	385	387	390	393	395	388	
17	400	401	400	396	389	388	389	393	393	394	394	390	386	382	381	377	377	382	387	391	397	399	400	400	391	
18	399	397	397	396	391	387	377	384	390	390	393	388	387	385	382	372	370	371	375	387	391	394	402	404	388	
19	398	391	390	388	381	377	383	385	386	389	385	383	383	379	378	375	377	383	382	389	399	402	404	404	387	
20	401	396	395	392	346	322	304	327	349	368	385	392	396	388	386	385	385	385	388	394	394	396	396	394	378	
21	392	391	391	389	388	387	388	388	385	386	392	391	389	382	377	379	382	383	388	390	392	398	395	395	388	
22	392	391	389	388	388	389	388	386	381	379	380	377	382	383	385	389	388	387	388	394	397	399	395	394	388	
23	393	390	388	388	388	389	343	356	384	390	389	392	390	387	384	378	383	388	391	396	401	402	397	395	386	
24	395	389	388	373	355	373	382	365	362	382	392	391	390	388	388	389	388	393	395	400	400	401	399	395	386	
25	395	392	388	364	363	363	367	382	388	390	391	389	387	387	383	383	383	387	392	410	410	406	402	401	387	
26	399	399	397	393	392	390	391	389	391	392	392	390	391	392	390	385	385	383	388	391	397	396	393	396	392	
27	393	392	392	390	390	390	390	390	390	393	395	394	392	388	389	389	386	384	384	384	384	387	389	393	389	
28	393	392	391	390	390	390	388	385	386	386	386	387	389	389	387	387	383	385	387	387	390	389	391	393	388	
29	396	405	402	393	382	376	377	381	383	383	388	389	390	389	389	383	376	373	380	387	388	390	394	401	387	
30	404	402	401	386	374	383	383	377	376	380	384	383	382	381	382	376	374	382	377	377	390	402	419	419	387	
31	420	402	394	383	379	373	364	337	340	361	379	384	388	382	377	373	372	377	381	385	388	388	391	393	380	
Mean	397	395	392	386	381	379	377	378	381	384	385	386	385	383	381	379	380	383	386	392	397	399	400	398	387	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Agincourt

May 1945

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	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ			
1	19	34	356	02	39	291	65	19	53	34.4	01	45	13.0	21.4	01	18	404	05	35	364	40
2 D	00	16	348	04	40	270	78	17	45	32.9	03	50	08.2	24.7	01	33	403	03	18	307	96
3	21	27	376	13	42	290	86	17	18	36.1	01	15	15.4	20.7	23	08	418	04	21	362	56
4	21	35	348	15	08	308	<u>40</u>	20	00	32.7	11	43	21.8	10.9	22	57	402	06	21	357	45
5 Q	18	00	335	14	28	290	45	15	36	35.4	11	30	22.5	12.9	00	04	397	17	43	374	23
6	18	40	361	14	52	315	46	17	12	33.0	12	43	23.9	<u>09.1</u>	21	22	392	16	00	369	23
7 Q	20	05	372	14	56	315	57	18	00	34.5	13	23	23.9	10.6	23	20	395	15	30	368	27
8 Q	19	05	363	15	10	301	62	18	13	34.0	12	04	19.1	14.9	00	54	394	17	27	373	21
9	17	45	369	15	52	312	57	19	12	37.7	13	37	16.8	20.9	21	38	432	15	35	372	60
10	19	35	366	14	55	302	64	17	25	37.8	12	43	21.1	16.7	22	08	439	16	10	367	72
11 D	19	00	376	05	33	<u>224</u>	<u>152</u>	05	47	<u>43.5</u>	06	20	17.2	26.3	20	43	436	05	51	<u>289</u>	<u>147</u>
12 D	20	24	362	15	15	268	94	19	48	39.4	12	33	19.9	19.5	21	10	<u>446</u>	03	02	340	106
13	22	10	362	15	45	274	88	20	02	37.1	12	34	21.5	15.6	21	02	414	07	31	379	35
14	20	45	352	14	40	274	78	18	49	35.8	13	29	18.4	17.4	20	46	411	12	40	381	30
15 Q	22	00	341	15	30	288	53	18	18	35.7	12	40	22.8	12.9	00	01	399	14	20	381	<u>18</u>
16	23	10	374	15	38	300	74	18	05	36.6	12	33	21.1	15.5	23	12	409	04	03	363	46
17	20	33	344	14	33	298	46	19	35	34.5	12	10	17.2	17.3	23	48	405	16	10	375	30
18	21	47	376	16	05	301	75	16	30	33.2	13	13	16.5	16.7	23	20	411	18	02	364	47
19	18	03	370	15	45	304	66	16	36	40.4	12	19	20.2	20.2	23	40	411	15	36	372	39
20	19	35	364	15	15	305	59	16	20	36.4	12	07	19.3	17.1	00	01	408	07	03	297	111
21	21	23	352	15	03	294	58	17	38	35.8	12	24	17.5	18.3	21	27	401	15	00	371	30
22 Q	21	51	353	14	15	302	51	17	15	38.3	12	34	22.4	15.9	21	55	402	11	11	373	29
23	20	35	366	15	46	291	75	17	26	37.4	07	41	18.2	19.2	20	37	406	06	55	327	79
24	19	42	359	14	43	296	63	16	50	37.7	01	41	13.1	24.6	19	42	409	03	57	347	62
25 D	19	55	<u>393</u>	14	48	300	93	20	28	37.4	03	28	<u>02.3</u>	<u>35.1</u>	19	57	425	04	01	348	77
26	23	29	371	14	48	299	72	20	05	34.6	12	10	17.4	17.2	20	06	404	16	36	381	23
27	19	25	369	13	52	305	64	19	49	35.3	12	40	20.1	15.2	23	14	396	20	58	375	21
28	20	06	381	15	15	315	66	21	18	32.3	14	01	19.2	13.1	23	27	399	16	30	377	22
29	22	22	363	13	57	319	44	18	30	35.6	12	00	20.1	15.5	01	37	410	17	40	369	41
30 D	20	55	391	17	32	299	92	18	47	38.9	12	45	18.0	20.9	22	11	426	04	20	366	60
31	07	32	355	15	20	301	54	20	10	32.9	08	25	18.8	14.1	00	18	426	07	57	312	114
Mean			363			295	68			36.1			18.3	17.8			411			358	53
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 1945

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	334	335	334	335	335	338	341	336	337	337	335	337	333	328	319	316	330	356	361	365	360	347	340	336	338	
2 Q	335	336	335	335	335	336	336	336	336	335	334	334	332	330	318	309	310	323	341	355	354	356	352	337	335	335
3 Q	342	339	342	337	327	320	320	327	331	335	334	334	327	314	310	311	320	332	343	349	357	354	345	340	333	
4	337	338	338	338	336	339	339	337	337	337	339	339	332	324	316	314	323	335	346	356	357	347	332	331	336	
5	335	342	339	335	333	339	337	338	334	339	337	340	338	327	323	317	324	345	352	349	359	352	342	346	338	
6 D	346	351	345	339	351	365	350	343	335	308	305	306	301	290	308	293	318	323	325	332	338	330	342	342	329	
7 D	328	327	322	330	315	321	313	322	323	322	322	316	305	310	306	300	313	328	350	369	354	364	333	341	327	
8 D	338	341	313	295	290	297	295	329	328	326	314	317	320	313	296	287	308	332	348	337	341	345	346	339	320	
9	338	329	334	333	334	333	334	326	326	317	318	328	323	317	317	304	307	319	330	351	345	339	346	349	329	
10 D	330	320	326	323	309	312	318	323	322	326	317	308	322	318	307	298	313	326	342	338	339	346	349	349	324	
11	343	353	334	329	330	333	339	329	333	324	327	329	324	318	315	314	318	321	329	330	337	348	341	339	331	
12	332	329	332	335	335	335	338	337	334	335	334	326	325	315	306	300	303	321	341	354	353	351	349	346	332	
13	338	337	339	339	334	334	339	338	337	333	329	329	319	319	314	312	306	317	333	338	340	347	342	343	332	
14	335	335	334	331	335	339	341	341	341	343	345	343	335	324	317	312	319	336	350	365	360	360	345	347	339	
15	344	345	345	337	336	337	340	333	334	337	334	327	324	319	313	306	316	330	345	355	360	358	346	342	336	
16	340	340	339	339	339	341	340	336	335	339	342	339	331	321	312	298	299	319	337	335	353	353	349	346	334	
17	346	334	334	339	324	325	331	338	345	344	346	349	344	337	329	317	332	333	334	339	344	344	346	345	337	
18	343	343	346	342	341	343	343	343	339	338	336	336	336	333	326	324	326	333	340	350	359	353	354	345	340	
19	340	340	339	336	339	344	338	337	334	338	341	344	340	334	329	324	326	339	348	348	354	350	345	351	340	
20	339	329	331	323	332	331	332	337	339	336	334	330	329	326	316	312	313	327	339	345	348	350	352	350	333	
21	345	337	337	337	330	331	334	332	333	339	338	338	333	326	320	322	335	345	349	355	359	355	355	350	339	
22 Q	340	335	338	336	334	333	334	334	334	334	336	335	332	328	318	314	323	338	350	358	353	349	350	345	337	
23	344	347	349	344	344	347	347	347	345	339	330	329	329	321	311	300	305	316	336	344	353	350	345	339	336	
24	338	338	341	342	335	333	331	336	334	338	341	343	341	323	314	312	315	327	340	350	349	350	349	352	336	
25	343	337	334	333	327	329	328	329	333	327	330	335	329	319	312	312	322	333	347	359	363	362	356	345	335	
26	347	349	345	344	337	340	338	337	337	338	343	341	332	325	326	324	323	326	331	344	349	351	354	347	338	
27	346	344	343	318	318	336	332	342	337	322	331	329	323	322	326	333	321	319	328	337	343	344	349	346	333	
28	345	344	333	334	337	338	340	335	338	342	336	330	319	311	306	302	313	323	334	341	349	350	347	347	333	
29 Q	340	338	337	327	328	333	337	333	336	338	340	337	331	328	322	318	313	314	323	336	344	350	349	346	333	
30 D	342	340	341	349	352	349	354	343	344	345	349	349	342	339	326	316	321	347	354	355	362	363	356	363	346	
31																										
Mean	340	338	337	334	332	334	335	335	335	334	333	333	329	321	316	311	318	330	341	348	351	351	347	345	334	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt

D = 7° W + . . . '

June 1945

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	29.3	28.6	28.3	27.7	27.5	27.7	28.6	26.8	26.8	26.2	25.6	23.8	23.4	24.7	26.9	28.3	28.2	29.6	31.9	32.2	31.2	29.6	28.3	28.3	27.9	
2 Q	28.3	28.3	28.4	28.6	28.3	28.3	27.3	27.9	26.9	26.3	24.7	23.4	23.3	23.2	25.1	29.6	31.9	33.7	33.0	32.9	31.0	29.0	28.1	28.3	28.2	
3 Q	27.4	28.2	27.1	25.4	24.7	23.8	24.8	25.6	25.9	25.6	24.2	23.5	22.7	23.7	26.9	30.2	31.9	33.6	33.9	32.6	30.6	28.7	28.3	27.8	27.3	
4	28.3	28.6	28.6	28.3	28.3	28.3	28.2	27.3	27.0	26.4	24.6	21.8	20.2	19.5	23.3	27.5	31.4	34.2	35.2	33.7	31.0	29.3	28.6	27.8	27.8	
5	26.6	26.9	27.6	27.3	28.3	30.1	25.5	25.6	26.1	26.2	24.4	21.7	21.4	22.8	25.8	29.3	31.2	32.3	31.9	33.7	31.3	30.3	28.7	28.2	27.6	
6 D	28.6	27.8	25.8	22.0	23.7	25.0	24.5	25.4	26.1	24.5	34.5	16.8	14.9	19.4	27.8	30.7	36.1	36.3	36.1	36.2	33.2	31.9	29.2	26.3	27.6	
7 D	22.7	25.7	26.9	26.9	22.8	25.1	27.6	35.5	26.6	24.6	22.3	20.9	21.1	21.8	24.2	28.1	34.1	34.5	35.2	33.8	32.7	31.0	31.4	30.7	27.8	
8 D	28.2	25.1	23.1	20.4	22.3	28.0	38.2	32.8	24.7	22.7	21.4	19.4	22.3	22.2	25.1	30.0	34.1	33.6	33.6	34.0	32.4	28.6	27.2	17.2	27.0	
9	27.2	27.8	25.4	26.3	28.0	30.9	31.3	34.7	25.6	27.6	21.0	19.1	18.6	20.7	24.0	27.6	31.9	34.2	35.5	32.8	33.1	31.0	25.8	26.3	27.8	
10 D	26.3	23.6	23.7	27.3	24.3	28.6	24.6	26.1	25.5	25.4	24.9	28.0	22.5	23.2	25.3	32.0	34.8	35.9	35.4	35.0	32.8	30.9	26.3	27.2	27.9	
11	26.3	21.3	24.5	27.2	27.9	29.2	33.2	31.0	29.2	28.8	24.5	21.9	21.0	22.0	22.3	27.1	31.2	34.2	34.9	35.5	33.7	32.7	31.7	29.2	28.3	
12	29.1	28.8	27.6	27.3	28.2	28.2	29.9	32.2	29.9	27.6	25.2	23.8	21.7	20.7	22.1	27.1	31.4	34.6	34.9	34.1	32.2	31.8	31.0	29.2	28.7	
13	28.2	28.2	27.5	27.7	27.7	29.2	28.5	27.9	27.6	27.5	24.6	23.7	24.0	23.2	24.1	26.3	28.3	31.4	32.7	33.1	32.3	30.9	29.0	27.2	28.0	
14	26.9	27.0	26.4	26.4	27.3	28.4	28.0	27.7	27.7	27.3	25.1	23.8	22.5	22.7	25.1	28.3	31.8	35.0	35.2	34.6	33.1	31.5	30.7	30.1	28.4	
15	29.6	28.9	28.7	27.4	28.3	28.0	27.3	27.2	26.0	25.4	24.3	23.5	22.2	23.3	25.8	30.9	34.7	35.5	35.4	35.2	33.8	31.5	30.1	29.2	28.9	
16	28.8	27.5	28.1	28.3	28.4	28.1	27.5	26.8	25.7	24.9	22.7	21.0	19.7	20.3	23.5	25.5	30.8	33.6	35.7	36.0	34.3	32.5	29.5	28.1	27.8	
17	28.0	27.1	28.4	27.6	25.4	24.8	26.0	26.7	25.3	24.4	23.5	21.6	19.9	18.0	19.9	22.7	29.9	29.4	31.3	33.0	32.1	30.8	29.4	28.5	26.4	
18	27.9	28.0	28.0	28.1	26.7	24.5	27.5	26.3	26.9	26.3	24.4	22.9	21.7	23.3	23.3	24.8	29.8	31.5	33.5	32.6	30.8	30.0	28.4	27.9	27.3	
19	27.1	27.1	27.2	27.7	27.1	28.1	27.6	28.3	27.2	26.2	24.1	23.5	23.5	24.5	26.3	28.2	30.6	31.3	32.0	31.8	30.8	31.7	31.2	29.4	28.1	
20	26.9	27.0	26.7	25.4	26.3	26.3	26.2	26.6	27.0	28.1	24.9	22.0	21.7	22.7	22.1	24.6	28.0	30.0	31.8	31.7	31.2	28.8	27.9	27.1	26.7	
21	26.0	27.2	27.1	24.5	24.1	26.7	27.6	27.4	27.1	27.1	23.8	21.8	20.9	22.4	25.9	28.2	30.8	32.7	33.0	30.9	29.9	30.0	28.4	27.1	27.1	
22 Q	27.2	27.9	28.1	28.8	28.4	28.1	28.1	27.5	26.8	25.7	23.6	22.1	21.2	22.6	25.2	29.2	32.0	32.1	33.1	32.6	30.9	28.5	27.1	27.1	27.7	
23	27.8	27.8	28.0	28.4	28.0	27.3	26.8	27.1	29.3	29.3	23.0	20.5	21.6	23.6	24.5	27.0	31.1	34.4	35.3	35.6	32.8	29.8	27.8	27.0	28.0	
24	27.0	27.8	26.2	26.1	27.4	26.9	27.0	28.0	27.0	26.0	22.9	21.2	20.1	21.4	23.8	27.1	32.1	34.4	35.2	33.9	33.0	30.7	28.1	26.6	27.5	
25	27.1	28.9	22.6	25.7	28.0	28.2	28.0	27.1	26.7	26.1	24.2	21.4	21.1	22.1	23.8	28.7	32.0	33.8	33.9	32.9	31.7	30.6	28.4	28.0	27.5	
26	27.8	28.0	27.7	27.7	27.6	27.4	27.0	26.4	25.9	24.3	23.2	21.4	19.6	19.9	22.6	26.2	29.9	32.5	34.1	34.3	33.1	32.2	28.0	27.3	27.2	
27	27.0	27.0	26.1	19.8	22.6	21.6	22.5	26.9	31.4	32.2	24.1	20.2	17.9	19.6	24.4	29.2	34.3	36.2	36.2	33.3	30.5	29.8	27.6	27.0	27.0	
28	27.0	27.0	24.9	26.2	27.0	27.5	28.5	27.8	28.5	26.4	19.8	18.3	18.3	20.5	25.1	29.1	34.0	34.3	34.2	34.1	32.0	30.3	27.1	25.8	27.2	
29 Q	26.7	27.1	26.9	24.7	25.3	27.6	27.8	27.4	27.0	25.9	23.5	22.3	22.8	23.2	25.6	27.5	27.8	29.1	29.9	30.4	30.7	29.9	29.4	28.8	27.0	
30 D	28.7	28.0	28.0	26.4	26.3	23.5	24.1	22.5	23.0	21.7	20.3	18.7	17.1	20.5	22.0	21.9	29.0	31.7	29.6	29.8	29.3	28.0	27.0	26.7	25.1	
31																										
Mean	27.4	27.2	26.8	26.3	26.5	27.1	27.6	27.9	26.9	26.2	24.0	21.8	21.0	21.9	24.3	27.7	31.4	33.1	33.8	33.3	31.9	30.3	28.6	27.5	27.5	

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

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

Table 23 Agincourt

Z = 56,000 γ +

June 1945

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	392	391	391	390	386	384	381	384	385	385	387	387	386	384	384	374	371	375	378	382	390	390	390	387	385
2 Q	388	386	388	388	387	387	387	386	386	388	388	387	385	382	381	381	384	385	384	386	390	390	391	391	387
3 Q	391	390	388	375	373	377	382	385	387	388	390	389	388	384	380	376	381	382	390	396	399	396	392	390	386
4	388	387	388	387	387	387	386	386	387	390	391	391	388	382	381	378	380	381	385	386	390	391	392	393	387
5	390	390	390	388	386	378	379	386	387	388	389	386	383	377	371	367	364	364	370	381	387	387	387	390	382
6 D	387	390	391	391	385	384	381	376	349	350	325	317	354	367	367	369	376	375	387	403	417	414	406	408	380
7 D	412	407	393	369	371	379	362	344	376	394	395	394	388	385	385	382	384	385	395	407	421	425	412	407	391
8 D	406	385	384	372	347	330	320	344	374	388	390	393	388	384	389	395	399	392	388	393	398	407	412	415	383
9	407	403	392	384	388	374	350	339	353	359	377	389	389	391	391	387	388	382	387	394	401	409	418	416	386
10 D	414	410	392	351	350	334	350	380	390	394	394	389	394	391	391	391	387	381	379	388	394	398	404	403	385
11	399	386	379	389	392	387	377	371	369	379	387	391	389	387	386	385	385	385	391	394	398	404	405	404	388
12	401	399	396	395	391	390	384	376	383	390	391	392	393	391	391	390	387	384	386	387	392	393	395	398	391
13	398	398	396	395	392	387	383	386	388	388	392	392	392	392	391	386	379	381	382	382	384	390	395	398	389
14	395	395	393	392	393	393	392	392	391	393	394	393	393	392	389	388	383	382	388	393	398	396	393	395	392
15	394	395	389	386	392	392	387	386	389	393	392	392	389	389	392	393	388	384	390	395	400	399	399	399	392
16	396	394	393	393	392	392	392	392	392	394	395	393	394	396	395	388	387	389	396	399	400	404	407	406	395
17	402	399	399	389	388	392	393	395	396	396	396	395	393	389	392	386	392	388	384	386	392	398	396	394	393
18	394	392	392	389	392	382	382	384	387	389	393	392	392	389	387	380	376	372	380	388	394	396	396	395	388
19	392	389	388	388	387	382	382	386	389	390	393	392	392	388	384	382	380	385	390	394	395	400	404	407	390
20	408	402	395	394	390	388	385	388	390	390	386	383	383	382	383	383	383	387	393	393	393	396	405	401	391
21	399	394	393	388	379	384	385	386	388	389	389	389	388	384	383	389	393	395	392	388	391	393	393	394	389
22 Q	395	394	393	392	389	387	388	388	388	388	392	392	389	388	387	386	388	383	381	388	393	393	394	396	390
23	393	392	389	388	388	388	387	387	381	369	375	382	384	382	380	382	386	389	395	396	398	399	399	398	388
24	396	393	391	385	386	385	388	390	390	393	394	393	393	395	394	389	386	388	390	394	395	396	396	396	391
25	399	399	384	368	384	389	390	390	390	388	385	388	387	385	385	383	386	387	387	392	394	391	391	389	388
26	389	389	388	387	387	387	384	384	384	389	389	389	387	383	380	381	383	381	383	384	387	391	396	394	387
27	390	385	387	383	383	354	349	378	367	323	360	370	377	381	378	384	383	382	387	391	394	396	396	393	378
28	391	391	392	387	389	388	385	383	380	377	385	388	386	384	386	386	383	379	380	384	387	391	396	400	387
29 Q	395	394	391	389	389	388	385	386	390	391	391	389	389	391	390	383	380	378	377	384	392	394	394	391	389
30 D	390	390	389	389	385	376	361	376	384	388	387	384	383	378	370	370	376	383	387	394	397	395	394	394	384
31																									
Mean	397	394	391	386	385	381	379	381	383	385	387	387	388	386	385	383	383	383	387	391	396	398	399	398	388

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt

June 1945

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 Q	19	07	368	15	36	313	55	19	37	32.8	12	20	22.9	09.9	00	20	394	16	07	370	24	
2 Q	18	30	361	14	50	305	56	18	55	35.1	12	25	22.8	12.3	22	22	394	15	20	378	16	
3 Q	20	13	361	14	40	305	56	18	05	34.6	12	46	21.9	12.7	20	16	401	04	37	367	34	
4	19	45	360	15	15	313	47	18	03	35.6	13	10	17.8	17.8	23	34	394	15	00	377	17	
5	21	03	383	16	00	315	68	19	40	34.7	11	50	20.4	14.3	00	01	393	17	50	361	32	
6 D	06	02	375	13	29	273	102	10	46	39.2	11	50	12.2	27.0	21	00	423	10	46	285	138	
7 D	21	13	379	15	40	295	84	07	27	42.2	00	01	18.2	24.0	21	36	430	07	33	329	101	
8 D	21	29	364	06	05	235	129	06	14	46.5	03	25	18.1	28.4	23	42	424	05	07	289	135	
9	22	02	356	07	59	289	67	07	18	40.0	12	02	15.6	24.4	22	30	423	07	26	325	98	
10 D	21	44	359	14	58	293	66	05	57	38.3	01	45	20.6	17.7	01	22	417	06	08	320	97	
11	01	08	365	14	48	306	59	19	16	37.1	01	06	17.2	19.9	21	55	408	08	17	363	45	
12	20	12	357	16	15	297	60	18	57	35.4	13	40	19.1	16.3	00	01	405	17	25	366	39	
13	21	08	353	16	15	303	50	19	17	33.8	13	12	22.5	11.3	23	46	400	16	24	377	23	
14	19	57	371	16	00	312	59	18	47	36.3	12	22	22.1	14.2	19	58	399	16	48	381	18	
15	20	57	364	15	20	304	60	17	13	36.1	12	08	21.6	14.5	20	14	402	03	04	379	23	
16	21	05	363	16	10	293	70	18	47	37.2	13	05	19.4	17.8	22	57	410	16	04	386	24	
17	00	33	350	14	37	301	49	20	03	33.3	13	45	16.5	16.8	00	02	406	03	42	381	25	
18	20	15	369	15	38	319	50	18	55	34.2	12	15	21.1	13.1	22	27	401	17	31	369	32	
19	19	51	371	15	30	317	54	19	28	33.1	11	25	22.5	10.6	23	54	411	16	37	378	33	
20	23	45	357	16	36	309	48	19	58	32.4	12	31	20.5	11.9	00	30	412	13	23	380	32	
21	19	53	361	15	29	314	47	18	05	33.8	03	54	18.8	15.0	00	01	400	04	08	375	25	
22 Q	19	47	362	15	00	312	50	18	18	33.5	12	30	20.9	12.6	22	05	399	16	50	378	21	
23	20	27	354	15	58	296	58	19	08	36.2	11	53	19.1	17.1	21	48	401	09	30	364	37	
24	20	22	358	15	25	312	46	18	32	35.8	12	27	19.2	16.6	23	57	401	03	33	383	18	
25	21	10	375	14	50	308	67	18	00	34.8	02	42	11.8	23.0	01	02	402	03	07	355	47	
26	22	15	367	13	48	317	50	19	21	35.1	12	37	18.6	16.5	22	16	399	15	00	376	23	
27	05	50	361	03	28	309	52	09	04	43.0	03	27	16.8	26.2	21	34	397	09	13	287	110	
28	21	02	355	15	45	299	56	18	40	35.0	11	52	17.8	17.2	23	43	400	09	04	371	29	
29 Q	21	53	352	17	27	311	41	19	53	31.5	03	49	22.1	09.4	00	01	399	17	56	374	25	
30 D	23	45	388	16	20	306	82	17	02	34.9	12	25	15.2	19.7	23	53	405	06	24	354	51	
31																						
Mean			364			303	61			36.0			19.1	16.9			405			359	46	
No. days			30			30	30			30			30	30			30			30	30	

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

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

Table 25 Agincourt

H = 15,000 γ +

July 1945

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	350	326	315	276	283	280	251	210	254	274	270	289	300	277	312	310	295	288	314	343	359	362	345	343	301
2	337	309	309	321	332	325	325	327	324	321	323	314	308	315	316	311	317	322	333	335	334	331	340	343	324
3	328	328	328	332	327	319	324	322	321	321	327	329	327	321	314	312	318	328	335	338	347	350	342	341	328
4 D	338	340	341	352	350	346	345	348	322	321	328	316	312	321	323	304	322	335	345	340	338	347	329	344	334
5	325	330	321	323	318	318	328	327	319	322	319	319	314	300	303	309	318	326	338	340	342	342	358	374	327
6 D	328	336	338	346	343	342	233	172	170	231	255	296	302	294	283	266	292	331	349	353	348	333	328	329	300
7	325	328	329	323	333	329	333	328	322	319	322	319	312	299	297	301	309	332	350	358	359	360	329	335	327
8	332	333	332	331	316	303	317	320	311	308	314	317	314	301	297	310	316	329	347	352	351	348	336	337	325
9	344	338	336	336	336	332	336	334	324	328	331	322	316	315	315	315	312	318	331	333	343	348	348	346	331
10 Q	345	339	336	332	330	327	328	330	328	328	328	326	320	309	303	294	298	308	316	334	339	341	346	341	326
11	335	336	332	334	335	331	330	335	329	328	330	334	328	316	304	298	305	326	338	340	348	353	360	353	333
12	354	350	344	341	342	340	330	330	332	334	337	335	327	318	310	310	317	322	331	337	346	348	340	345	334
13	343	339	341	338	335	339	337	342	342	339	339	335	330	322	316	314	311	316	322	327	338	342	343	343	333
14	342	344	341	343	344	345	337	341	338	337	333	332	332	326	322	326	328	332	339	343	346	348	342	341	337
15 Q	343	342	342	336	337	339	338	336	335	336	332	332	322	313	298	299	314	320	331	336	347	347	342	342	332
16	343	338	332	334	340	342	339	342	343	347	350	346	337	335	327	339	345	346	352	367	364	354	345	336	344
17 D	332	331	327	331	332	334	336	336	348	350	347	343	338	332	331	316	330	330	334	365	358	352	353	343	339
18	320	318	310	321	333	333	331	324	315	315	319	322	315	308	311	305	304	310	323	339	341	343	344	346	323
19	337	334	320	326	332	340	338	335	332	335	334	329	325	317	312	311	323	336	343	349	353	349	346	343	333
20 Q	343	338	338	337	339	339	338	337	334	334	334	333	323	310	296	303	314	326	337	339	344	348	353	351	333
21	345	342	340	343	340	337	335	330	328	327	327	326	322	312	312	310	324	333	346	355	358	355	352	348	335
22 Q	348	343	343	343	341	343	343	342	342	338	340	338	332	320	307	307	317	332	340	353	349	342	343	337	337
23	343	343	342	336	332	335	333	335	333	330	330	330	322	317	310	311	327	351	381	374	416	417	379	369	346
24	322	338	324	328	308	335	339	343	334	336	337	340	335	327	313	302	312	322	328	331	337	343	336	335	330
25	336	332	322	329	335	335	333	333	334	339	331	321	311	303	301	302	312	320	322	328	328	333	342	345	331
26	347	343	343	343	340	338	332	331	335	334	334	338	326	313	299	294	302	317	331	340	348	353	346	335	332
27 Q	336	333	336	337	336	337	336	336	337	338	340	338	331	320	310	305	317	327	339	343	343	342	342	344	333
28	341	344	351	346	347	354	344	337	330	330	328	324	313	324	318	317	321	334	342	347	357	362	365	360	339
29	351	332	331	340	341	342	342	340	339	339	340	339	335	333	328	324	327	332	337	344	348	366	353	351	340
30 D	336	312	301	280	292	266	320	330	331	324	320	316	307	300	306	306	314	318	334	353	353	349	339	329	318
31	316	301	318	316	320	322	323	322	321	322	324	320	315	309	307	304	310	321	333	342	340	339	331	330	321
Mean	338	335	331	331	332	331	328	324	323	325	327	326	321	314	310	308	315	325	337	345	347	350	345	344	330

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

D = 7° W + . . . '

July 1945

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	26.5	26.5	22.4	21.6	15.1	19.5	18.4	56.6	19.0	27.4	23.1	18.8	20.2	24.1	26.3	25.5	28.6	37.0	35.5	33.5	31.6	31.5	30.7	30.4	27.0
2	21.5	25.1	28.9	28.2	25.2	25.8	28.3	27.8	26.8	25.2	24.2	21.8	21.9	23.8	25.4	26.3	29.7	31.2	31.2	30.5	30.2	30.2	30.4	29.1	27.0
3	25.4	29.0	28.3	28.1	26.3	20.4	24.3	25.5	25.6	25.2	25.8	22.7	21.8	23.5	26.0	29.4	33.9	35.1	34.2	33.4	32.2	30.6	28.7	28.2	27.7
4 D	28.7	28.2	27.4	27.7	27.1	25.1	25.7	27.3	22.0	23.8	19.7	20.2	21.6	21.4	24.0	28.8	32.8	34.1	31.7	31.9	31.0	29.8	29.8	25.3	26.9
5	19.5	25.5	26.0	25.9	25.0	25.2	25.8	26.0	33.3	40.5	24.2	20.6	21.3	22.6	23.7	25.5	28.8	31.3	31.1	30.8	30.4	29.2	28.9	27.7	27.0
6 D	24.4	29.6	29.6	27.8	28.5	20.4	15.3	22.4	24.9	33.6	35.6	33.0	30.9	35.0	30.4	36.2	40.2	38.6	34.3	33.2	31.7	30.6	28.9	28.6	30.1
7	29.1	29.2	28.8	25.2	29.8	28.8	28.6	28.1	27.4	25.1	23.3	21.5	21.7	23.7	26.0	29.4	31.3	32.9	34.3	32.5	31.1	27.9	30.1	29.7	28.1
8	23.3	26.8	27.3	23.7	22.1	24.2	25.5	26.9	30.5	27.7	23.3	19.9	19.2	18.5	22.7	26.3	29.4	34.1	35.6	35.8	34.8	32.0	30.9	27.6	27.0
9	25.1	27.7	28.2	28.2	27.6	28.3	28.8	27.6	25.7	23.9	22.7	21.7	22.4	23.3	23.2	25.6	27.8	31.5	32.8	33.8	33.3	31.5	27.8	27.8	27.4
10 Q	26.9	27.0	28.0	28.8	27.1	26.9	27.5	26.7	25.9	24.7	23.3	21.0	19.7	19.1	21.5	24.2	28.5	30.8	34.8	36.1	34.8	33.2	30.6	29.0	27.4
11	26.2	27.3	27.2	27.8	27.8	27.3	28.5	29.5	27.2	24.2	22.0	20.0	19.0	19.7	22.3	27.6	30.9	34.5	34.0	34.4	33.8	31.8	30.6	29.2	27.6
12	28.1	27.8	25.9	26.3	28.0	23.4	21.4	24.1	24.0	23.2	22.0	18.8	17.9	19.4	21.2	24.2	26.9	29.6	31.5	32.9	32.5	31.3	30.6	28.9	25.8
13	27.8	27.3	27.8	27.3	27.2	27.7	27.8	28.1	29.3	24.6	22.0	20.6	22.0	22.7	23.9	27.2	30.9	33.3	33.9	34.1	32.3	31.4	29.6	27.8	27.8
14	27.5	27.5	27.8	27.3	24.6	25.5	25.9	26.2	25.7	25.7	26.4	23.6	18.9	18.5	20.7	23.9	25.7	27.8	29.6	30.5	30.6	28.8	27.8	27.3	26.0
15 Q	27.9	27.8	27.8	27.6	27.1	27.2	26.8	26.4	25.7	24.8	24.2	23.4	22.5	22.7	24.2	27.3	29.9	30.8	31.8	32.1	31.7	31.2	29.8	28.7	27.5
16	27.6	25.7	26.2	26.2	26.7	26.9	25.9	25.8	24.8	23.1	20.7	17.9	18.8	20.7	23.3	28.3	29.6	30.6	33.4	32.8	31.7	30.5	29.7	29.6	26.5
17 D	27.6	26.5	27.2	27.8	28.3	27.9	27.3	26.8	25.0	22.4	19.9	18.8	18.2	19.7	23.0	24.3	27.0	26.9	35.0	32.5	35.4	31.7	27.1	26.1	26.4
18	25.3	24.2	21.6	23.8	25.8	27.7	27.4	24.6	25.1	30.9	27.3	23.6	23.3	25.5	25.9	26.9	27.9	29.8	32.1	32.1	30.8	28.2	26.7	26.0	26.8
19	26.3	26.1	25.4	25.0	25.2	25.9	24.5	25.3	25.9	24.2	21.7	21.7	20.8	20.7	23.5	27.4	31.4	33.4	33.6	33.3	31.8	30.7	28.5	27.2	26.7
20 Q	28.5	28.7	28.8	28.5	28.1	27.7	28.5	28.5	28.8	26.2	23.8	21.9	21.7	22.1	24.3	27.8	30.9	34.4	35.9	35.3	34.6	30.6	28.3	26.8	28.4
21	25.9	25.5	25.9	26.4	26.8	26.4	26.0	25.9	25.1	23.9	22.4	21.2	20.1	21.4	23.1	26.0	29.4	31.0	33.2	33.9	32.0	29.8	28.5	27.3	26.6
22 Q	26.8	27.4	27.3	26.1	25.7	26.8	26.0	25.9	25.7	23.7	21.6	21.0	20.1	21.3	23.9	26.0	29.4	31.2	34.0	33.0	30.3	28.9	27.2	27.1	26.6
23	26.9	27.3	27.5	27.8	27.8	26.9	26.6	25.7	25.0	24.0	22.4	21.1	20.3	21.4	21.8	24.1	28.0	31.4	32.4	33.8	32.5	33.1	34.8	34.2	27.4
24	31.7	30.5	28.8	28.7	27.8	26.8	25.7	25.4	24.2	23.7	22.4	22.3	21.5	21.4	24.2	28.0	28.0	30.3	31.8	32.4	28.8	27.4	27.3	27.3	26.9
25	27.1	27.1	24.1	25.7	27.8	27.7	27.0	26.0	25.9	25.8	22.7	20.7	21.2	21.9	23.6	26.8	30.0	31.1	31.1	31.5	31.6	30.3	27.6	28.1	26.8
26	27.8	27.3	27.5	27.3	26.4	23.8	22.4	25.5	25.6	25.5	23.7	20.5	20.1	22.3	25.4	29.7	30.6	32.1	32.8	33.3	32.4	30.0	27.4	26.6	26.9
27 Q	26.7	27.6	27.8	27.8	27.6	27.2	26.8	27.8	26.9	24.7	22.3	20.2	20.0	20.9	22.5	26.8	29.3	31.4	31.5	31.0	30.1	29.4	28.7	27.9	26.8
28	28.0	27.3	26.8	26.5	26.0	25.6	25.6	24.5	25.7	25.7	21.0	16.6	20.1	21.4	20.5	25.6	29.2	30.6	32.4	32.3	31.5	30.8	29.1	28.7	26.3
29	29.2	22.8	25.4	27.8	26.8	26.2	25.7	25.7	25.5	25.0	22.5	19.7	18.3	18.6	19.6	21.9	26.7	27.6	28.8	29.5	31.0	29.7	29.5	27.3	25.5
30 D	27.8	24.2	20.9	22.7	18.8	27.8	22.9	22.8	22.8	22.4	20.9	18.2	21.4	24.1	26.3	29.2	31.1	34.2	34.7	33.2	31.4	29.7	28.7	29.4	26.1
31	27.6	24.6	27.3	27.3	28.7	29.7	28.0	27.1	27.1	26.4	24.7	23.9	23.6	24.5	26.7	29.2	31.8	32.8	31.4	31.7	29.9	29.6	28.8	28.1	27.9
Mean	26.7	26.9	26.8	26.7	26.2	26.0	25.7	27.2	25.8	25.7	23.3	21.2	20.9	22.1	23.8	26.9	29.8	31.9	32.8	32.8	31.8	30.3	29.1	28.1	27.0

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

Table 27 Agincourt

z = 56,000 γ +

July 1945

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	403	411	401	334	311	317	311	175	277	273	277	307	341	361	367	381	391	399	415	432	443	445	444	441	361	
2	438	438	411	400	384	384	388	381	387	393	396	394	388	387	387	386	383	384	381	387	396	399	399	401	395	
3	406	407	402	397	391	380	370	377	387	392	393	390	389	393	393	391	387	394	396	399	394	387	391	396	391	
4 D	394	393	390	387	387	387	373	344	354	374	381	379	378	376	376	377	381	383	389	393	399	408	409	415	384	
5	408	403	402	399	381	364	387	387	369	332	370	385	389	390	389	388	387	396	405	405	405	402	400	407	390	
6 D	409	399	396	397	397	361	271	240	273	264	349	391	402	397	393	393	394	390	385	387	393	393	395	399	370	
7	396	396	397	390	381	389	383	390	390	393	391	389	387	393	399	393	389	393	394	396	405	420	413	406	395	
8	407	400	397	367	343	378	378	384	370	344	378	387	390	389	393	392	393	391	389	390	396	408	414	417	388	
9	405	398	396	392	389	385	380	379	386	393	394	395	394	390	393	390	391	392	394	395	398	404	407	407	394	
10 Q	401	400	398	397	395	394	394	394	394	394	395	395	394	391	386	379	380	382	388	388	390	394	400	398	392	
11	398	397	393	392	392	391	389	380	382	388	391	389	386	382	384	382	378	372	377	388	391	395	397	395	388	
12	394	392	394	395	382	369	366	382	390	394	395	394	393	391	392	386	382	380	382	385	389	388	391	394	388	
13	394	394	394	392	389	383	381	383	379	380	383	388	388	385	385	386	389	390	392	391	391	394	396	396	388	
14	395	394	391	388	383	371	379	385	386	388	385	379	379	384	382	379	377	377	378	383	388	390	391	391	384	
15 Q	390	390	389	390	389	390	389	388	388	390	389	389	389	387	391	391	386	385	387	390	394	395	395	395	390	
16	394	391	388	391	391	390	390	390	389	389	389	387	385	382	379	385	378	375	379	385	395	404	410	414	390	
17 D	408	403	400	394	389	390	390	390	390	390	390	390	390	388	386	380	377	372	377	390	400	425	441	431	396	
18	410	404	392	382	388	371	379	374	377	383	386	393	391	387	388	385	382	385	388	395	404	415	401	397	390	
19	398	397	389	388	386	382	380	368	389	392	392	386	386	382	384	382	384	380	384	387	391	397	400	397	388	
20 Q	394	390	390	388	386	383	384	385	387	388	391	390	388	388	388	388	387	385	387	392	391	394	391	390	388	
21	391	389	389	388	387	385	383	383	385	390	390	392	390	389	383	382	377	379	383	382	385	390	392	390	387	
22 Q	388	386	388	385	386	385	385	382	384	388	390	389	386	383	383	385	386	386	389	392	397	398	397	394	388	
23	391	390	388	389	389	388	390	389	388	390	389	390	390	391	391	390	390	385	382	378	390	407	415	418	392	
24	404	392	389	389	388	386	384	373	382	388	389	390	387	388	384	382	380	385	395	404	403	402	397	395	390	
25	394	393	390	389	388	387	387	388	387	385	383	383	383	383	383	385	383	382	381	385	388	392	398	394	388	
26	392	389	389	387	387	378	372	383	386	386	381	384	383	385	386	379	388	391	393	396	399	401	399	396	388	
27 Q	393	392	388	386	386	385	384	384	385	389	391	389	388	386	387	388	390	391	390	392	396	397	396	393	389	
28	390	388	389	386	386	385	379	375	366	367	372	380	373	370	374	376	375	373	377	381	388	394	396	395	380	
29	392	407	395	391	388	386	386	385	386	386	388	386	384	382	383	384	386	387	390	393	397	403	412	415	391	
30 D	413	419	416	279	263	272	352	366	383	395	393	392	387	389	395	396	389	392	395	396	393	401	411	413	379	
31	416	401	381	392	389	382	389	390	393	393	395	393	393	393	393	391	391	392	391	392	393	398	400	402	393	
Mean	400	398	394	385	380	377	376	371	377	378	383	386	386	386	387	385	385	385	389	392	397	402	403	402	388	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt

July 1945

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	00 19	408	07 01	178	230	07 26	<u>78.1</u>	08 47	10.2	<u>67.9</u>	21 00	448	07 36	<u>056</u>	<u>392</u>
2	00 01	353	01 28	287	66	01 23	36.1	00 39	13.4	22.7	01 34	<u>481</u>	05 04	370	111
3	21 22	358	15 56	309	49	17 17	35.8	05 30	16.5	19.3	00 25	414	07 52	368	46
4 D	17 45	362	15 48	294	68	17 08	35.1	11 07	15.2	19.9	23 36	423	08 18	325	98
5	23 17	387	13 25	296	91	09 17	47.0	00 11	13.1	33.9	00 13	420	09 35	317	103
6 D	05 43	369	08 51	<u>041</u>	<u>328</u>	08 53	46.7	06 30	11.9	34.8	00 13	414	08 38	065	349
7	21 50	372	13 30	293	79	18 43	35.7	12 03	20.0	15.7	21 27	426	04 18	370	56
8	19 20	358	14 08	287	71	18 55	36.6	00 53	17.3	19.3	23 14	420	03 52	318	102
9	21 20	357	17 10	306	51	19 30	34.6	00 01	20.7	13.9	00 01	418	07 25	374	44
10 Q	22 00	347	15 33	295	52	19 20	37.0	13 30	19.0	18.0	00 01	407	15 43	377	30
11	22 38	375	15 30	296	79	19 07	35.0	12 37	17.9	17.1	22 36	404	18 03	370	34
12	00 45	357	15 15	307	50	19 46	33.7	12 35	17.6	16.1	00 36	395	06 07	356	39
13	23 00	346	16 37	307	39	19 10	34.8	11 45	20.3	14.5	22 43	399	08 37	375	24
14	05 03	358	13 55	319	39	20 02	32.2	13 06	17.7	14.5	00 06	396	05 23	362	34
15 Q	20 55	350	15 00	296	54	18 55	32.7	13 05	22.3	<u>10.4</u>	15 34	395	16 47	379	16
16	21 04	378	15 00	312	66	19 12	35.9	11 40	17.3	18.6	23 41	415	14 38	374	41
17 D	21 00	389	15 20	300	89	18 07	40.1	10 55	17.8	22.1	21 32	445	16 45	368	77
18	23 59	352	16 12	298	54	18 57	33.1	02 58	11.6	21.5	21 30	420	05 18	359	61
19	22 19	360	14 50	308	52	19 00	34.2	12 55	19.7	14.5	00 02	404	06 07	377	27
20 Q	22 00	361	14 50	295	66	18 04	36.1	14 00	20.7	15.4	22 04	395	05 05	382	13
21	20 25	362	15 43	308	54	19 12	34.5	12 50	19.1	15.4	22 38	394	16 28	374	20
22 Q	19 23	356	14 47	300	56	18 53	34.4	12 09	19.1	15.3	20 40	401	13 55	381	20
23	22 14	<u>447</u>	15 05	296	151	22 44	40.9	15 05	19.4	21.5	23 42	445	19 50	374	71
24	07 36	<u>351</u>	00 02	276	75	00 01	37.4	13 08	20.2	17.2	00 12	414	07 50	366	48
25	22 55	348	15 00	301	47	20 10	32.5	02 35	19.2	13.3	22 27	402	16 03	378	24
26	21 23	357	15 31	289	68	19 53	34.1	12 30	19.4	14.7	22 04	402	06 20	367	35
27 Q	21 48	346	15 05	301	45	17 38	32.3	12 22	19.7	12.6	21 25	399	06 40	381	18
28	22 35	403	12 33	306	97	19 25	33.0	11 40	14.2	18.8	22 35	404	08 47	355	49
29	21 39	379	01 39	311	68	22 23	33.2	02 43	15.2	18.0	01 37	425	14 05	382	43
30 D	19 58	362	05 11	240	122	04 03	39.4	04 30	10.8	28.6	01 55	428	03 50	207	221
31	20 01	346	01 55	281	65	18 10	33.3	02 04	<u>09.1</u>	24.4	00 36	420	02 20	346	74
Mean		366		285	81		37.3		17.0	20.3		415		340	75
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 1945

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	331	333	331	332	331	333	331	329	329	330	333	330	324	315	311	320	332	349	364	361	353	350	356	363	336
2 D	332	283	276	227	314	322	322	317	317	314	315	311	310	304	308	311	312	315	322	325	327	343	346	334	313
3	332	335	322	328	327	327	327	330	327	326	325	322	316	312	305	314	316	324	332	343	346	339	330	332	327
4	331	332	331	332	334	328	328	328	327	326	319	319	315	303	296	306	322	328	329	332	341	349	347	339	327
5	331	336	337	336	332	335	328	335	335	337	343	337	326	315	312	294	302	319	336	334	333	337	336	337	329
6	335	343	341	328	320	328	327	331	328	327	331	332	319	302	290	296	308	315	328	343	341	343	345	342	327
7	334	338	336	334	332	334	333	333	329	326	322	326	321	308	292	292	300	308	325	333	347	360	342	341	327
8	330	336	337	336	336	336	338	334	333	333	336	336	329	320	307	293	300	315	336	343	357	353	346	339	332
9	336	336	332	331	332	332	333	334	332	330	329	327	316	303	292	294	302	320	339	354	361	358	349	339	330
10 Q	341	337	337	337	336	337	337	338	336	336	336	336	326	311	298	293	303	317	330	337	345	346	351	348	331
11	339	325	334	338	340	341	339	341	338	334	336	333	325	313	297	290	315	319	343	354	370	368	347	336	334
12	335	337	341	330	336	341	341	342	337	343	344	338	327	313	300	309	317	327	342	350	356	360	354	349	336
13 D	340	335	338	339	340	340	333	308	309	313	313	317	318	301	292	282	292	317	336	349	352	345	335	328	324
14 D	322	332	325	324	339	313	310	318	308	322	315	312	310	305	309	322	338	334	325	325	348	351	349	345	326
15	328	328	333	335	343	342	337	336	327	331	323	328	319	309	308	318	324	328	341	349	363	338	350	349	333
16	318	312	325	331	332	332	333	327	327	329	332	330	325	315	304	300	311	326	334	343	344	349	344	338	328
17	291	288	287	285	288	281	285	282	282	284	275	277	274	258	250	295	303	316	330	331	340	331	331	333	296
18 Q	335	337	337	336	335	334	336	337	337	335	332	327	321	313	303	302	315	327	337	341	341	342	342	341	331
19 Q	338	336	339	336	336	339	336	330	327	329	331	326	317	303	301	317	331	342	347	348	353	348	352	343	333
20 Q	337	343	343	342	341	348	337	336	335	335	332	330	324	311	298	302	315	330	340	347	350	347	348	343	334
21	343	347	344	344	343	336	337	347	333	334	339	333	320	310	310	317	331	336	342	344	341	341	343	338	335
22	338	340	339	337	335	334	337	341	338	341	341	337	327	310	293	282	282	291	313	312	326	340	341	348	326
23 D	328	302	284	316	312	322	323	320	320	317	318	323	316	305	299	295	301	311	322	333	338	334	333	332	317
24 Q	327	327	328	333	327	327	334	331	330	330	328	325	317	301	290	291	298	311	321	333	346	348	345	341	325
25	339	337	338	335	332	333	338	342	337	337	335	330	323	306	293	286	296	309	317	328	339	341	341	340	327
26	339	341	343	341	336	334	336	338	336	336	336	331	327	315	305	313	320	326	337	355	362	360	354	349	336
27	344	341	339	338	341	346	344	344	340	339	338	336	329	318	309	300	309	326	341	354	344	359	362	367	338
28 D	371	372	260	273	295	318	309	302	293	298	297	289	284	277	277	274	284	299	305	317	315	336	338	335	305
29	326	331	323	319	319	330	339	326	331	322	327	325	316	299	292	293	300	311	314	321	325	327	335	331	320
30	333	333	331	328	330	330	328	328	326	329	326	329	320	309	302	305	311	318	329	339	352	350	349	341	328
31	339	335	335	339	332	330	328	330	333	333	331	327	321	313	306	312	318	326	336	339	336	345	349	345	331
Mean	333	332	327	326	330	331	330	329	327	327	327	325	318	306	296	300	310	320	332	339	345	346	345	341	327

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 August

D = 7° W + . . . '

August 1945

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	27.6	28.4	27.9	27.4	27.3	28.1	28.8	28.3	27.2	25.4	24.2	22.8	22.4	22.3	24.9	28.2	30.6	32.1	31.3	32.8	34.2	32.4	30.1	28.8	28.1	
2 D	21.9	08.6	21.6	34.4	21.4	25.6	26.5	26.6	24.9	26.5	23.3	22.3	20.6	21.2	27.4	28.8	31.0	32.2	31.7	32.4	32.6	29.6	25.1	27.4	25.9	
3	28.5	27.3	18.6	23.3	25.1	26.7	26.9	26.4	24.9	24.2	21.9	20.5	19.4	19.4	21.2	24.5	28.8	33.5	35.9	33.9	30.6	28.1	27.4	26.0	25.9	
4	26.8	25.6	27.1	26.8	25.9	26.3	26.5	27.8	25.9	24.5	23.3	22.1	20.9	21.2	24.0	28.3	31.5	32.8	33.0	31.4	30.0	28.3	26.6	25.8	26.8	
5	28.5	27.8	27.4	27.3	26.7	24.8	24.7	25.2	24.8	26.3	18.5	14.5	16.8	18.0	23.0	26.5	33.8	36.9	34.5	34.1	31.9	28.8	26.9	26.5	26.5	
6	27.3	26.8	27.2	25.4	19.6	24.1	25.0	25.4	25.6	28.8	25.1	21.8	19.9	20.5	24.1	29.9	33.3	35.9	36.2	34.1	32.3	29.7	26.0	24.9	27.0	
7	25.9	26.7	26.9	25.1	25.4	26.2	25.9	25.6	27.5	27.9	24.7	17.6	15.6	16.8	20.0	25.1	29.6	32.5	33.9	33.6	31.5	28.8	27.9	26.0	26.1	
8	26.3	27.7	27.5	27.2	26.0	27.0	26.9	25.5	25.0	24.3	22.4	20.9	19.0	20.0	21.8	26.0	32.3	35.8	36.9	33.9	30.6	29.2	27.7	27.4	27.0	
9	27.0	26.3	23.9	24.7	25.7	26.7	27.2	27.8	26.0	25.6	23.2	21.2	19.9	19.6	21.2	27.0	32.9	36.7	38.8	37.5	33.2	30.0	26.9	26.5	27.3	
10 Q	26.6	27.3	26.8	26.8	25.9	26.9	26.9	26.9	26.0	25.5	23.8	22.0	20.6	19.9	23.3	27.8	31.3	32.7	34.4	34.2	33.0	31.6	29.4	27.5	27.4	
11	25.8	23.3	26.4	27.2	27.3	26.9	26.5	25.8	24.6	23.3	20.8	17.4	15.9	15.7	18.3	22.8	29.1	33.3	33.8	33.6	31.5	29.7	28.3	27.3	25.6	
12	27.0	26.9	25.1	25.4	25.7	25.7	25.1	24.2	26.6	26.0	22.0	17.6	18.4	18.8	22.9	25.7	29.5	31.8	33.1	34.1	32.8	30.3	28.8	27.7	26.3	
13 D	27.3	27.6	25.7	27.4	26.7	23.0	23.4	19.0	24.1	22.7	25.5	23.9	19.7	23.8	28.3	31.8	34.8	33.8	32.1	30.0	27.6	26.1	25.0	25.4	26.5	
14 D	22.4	25.4	25.5	24.9	26.7	21.3	28.7	20.3	29.1	26.0	25.2	19.6	18.4	23.7	29.0	32.7	32.6	29.4	30.1	28.2	26.1	25.9	25.7	25.9	25.9	
15	27.2	27.2	27.6	27.0	26.6	26.8	25.6	24.1	29.6	24.8	29.6	20.3	18.8	21.5	26.4	30.0	32.4	34.8	33.4	33.2	32.4	31.8	28.8	26.7	27.8	
16	25.9	27.9	28.7	28.3	27.4	26.8	25.5	25.5	25.1	25.0	23.7	21.9	21.0	21.2	25.6	29.4	33.3	34.2	34.5	33.7	32.1	30.3	28.7	27.9	27.7	
17	28.3	28.7	28.6	28.1	27.8	27.3	26.8	26.0	25.1	24.8	26.9	23.6	21.4	20.5	23.3	25.1	30.1	33.6	32.3	30.6	30.5	28.7	27.6	27.2	27.2	
18 Q	27.6	27.8	27.8	27.6	27.2	26.7	26.5	25.9	25.7	25.0	24.2	21.4	19.7	19.7	22.4	28.2	33.2	35.1	36.3	34.0	31.1	29.0	26.4	25.3	27.2	
19 Q	25.5	26.7	26.8	27.6	27.2	26.9	26.0	24.8	24.2	24.7	23.4	21.8	21.4	23.3	27.6	32.3	35.3	35.9	34.2	32.1	30.6	28.8	27.3	26.7	27.6	
20 Q	28.2	27.8	27.4	27.3	26.9	26.4	25.7	25.0	24.7	24.1	22.7	21.2	20.3	21.5	24.6	29.4	33.9	35.0	34.2	32.8	30.4	27.8	27.8	26.8	27.2	
21	27.3	27.5	27.8	26.8	25.1	24.1	25.7	24.1	23.2	20.8	15.4	12.7	13.6	16.8	24.7	28.9	33.5	36.0	36.1	33.4	31.3	28.5	26.5	26.0	25.7	
22	26.8	26.9	26.9	26.9	26.9	26.0	24.6	24.5	23.3	21.4	19.0	16.0	14.0	15.5	20.7	25.5	34.5	37.9	36.9	38.7	35.3	31.5	28.9	26.9	26.5	
23 D	26.4	19.0	20.6	06.9	22.0	24.7	25.6	27.8	24.8	25.6	24.8	20.9	19.7	19.4	24.0	30.0	35.8	36.9	37.6	34.8	31.6	28.8	27.2	26.0	25.8	
24 Q	26.5	26.9	26.7	21.8	24.7	26.9	28.2	26.3	26.7	25.1	23.5	21.7	21.4	23.2	26.5	29.8	33.0	33.8	34.8	33.6	31.1	28.6	27.0	26.4	27.3	
25	27.8	27.7	27.3	26.3	27.0	26.1	31.9	30.3	26.0	24.8	22.8	21.5	19.7	20.7	25.2	31.8	36.1	37.2	36.9	34.2	31.3	28.5	26.4	26.5	28.1	
26	27.6	27.9	27.6	27.4	27.0	25.5	25.7	25.1	24.3	24.7	22.9	20.6	19.0	20.6	27.2	30.0	34.2	36.7	36.7	34.8	32.2	30.3	27.8	26.9	27.6	
27	27.7	26.9	28.2	28.2	27.8	27.3	27.3	25.7	25.0	24.3	23.4	20.9	19.6	20.0	23.9	27.6	33.5	36.7	34.8	33.7	32.9	30.0	28.8	29.1	27.6	
28 D	29.8	31.9	18.1	24.2	22.7	26.4	28.1	25.7	23.9	24.6	23.3	20.9	19.7	21.4	24.5	30.5	32.8	34.1	36.9	36.3	34.1	30.8	29.1	28.6	27.4	
29	28.3	27.6	27.8	25.9	28.1	27.3	26.5	32.2	24.2	22.8	22.3	20.3	19.0	21.4	24.1	28.9	32.5	33.0	33.2	33.1	31.9	30.5	29.6	28.7	27.5	
30	29.1	28.4	28.3	28.7	28.2	27.8	27.2	26.9	26.8	26.0	25.4	23.9	22.7	23.4	25.9	28.8	31.8	33.6	34.6	32.8	30.9	29.7	29.0	28.8	28.3	
31	28.8	28.1	27.3	26.9	27.8	26.8	27.6	27.0	26.5	26.0	26.4	24.1	22.6	23.7	25.7	29.6	32.1	33.2	33.9	33.8	32.3	30.4	28.2	28.7	28.2	
Mean	27.0	26.5	26.2	26.1	26.0	26.1	26.6	25.8	25.6	24.8	23.3	20.6	19.4	20.5	24.3	28.4	32.6	34.4	34.6	33.6	31.6	29.4	27.7	26.9	27.0	

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

Table 31 Agincourt

Z = 56,000 γ +

August 1945

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	397	395	398	400	398	395	385	383	388	392	395	386	381	388	388	386	389	390	391	395	397	397	395	398	392
2 D	414	391	367	249	102	392	399	399	397	393	391	390	391	392	396	395	395	396	402	403	402	403	410	404	378
3	398	397	395	386	389	392	393	392	392	392	393	391	386	381	380	384	386	389	391	391	392	395	396	397	391
4	393	392	392	390	384	388	386	383	383	386	390	389	386	384	382	386	390	392	395	395	395	396	398	401	390
5	395	391	392	392	393	379	388	388	387	383	378	378	380	379	375	373	386	393	396	396	398	402	402	395	388
6	391	392	397	409	398	384	387	386	391	391	392	392	389	386	388	393	392	390	391	397	402	401	402	399	393
7	393	393	393	391	392	391	393	392	390	384	386	391	390	388	386	386	389	386	390	397	403	413	408	407	393
8	403	398	396	394	394	392	392	391	392	392	396	394	391	391	393	396	397	398	403	406	409	408	409	402	397
9	396	394	387	390	388	391	390	389	387	390	393	393	392	393	394	390	387	390	389	390	393	396	397	394	392
10 Q	391	392	391	390	389	387	387	387	386	390	391	393	391	390	387	384	384	389	394	399	402	402	399	396	392
11	397	399	395	393	390	390	388	384	386	391	394	393	390	387	388	388	385	386	396	399	400	402	403	403	393
12	397	396	383	389	390	390	390	388	385	370	370	377	379	379	381	384	387	387	390	393	394	392	392	393	387
13 D	392	392	393	392	389	376	354	356	353	351	364	367	374	380	385	385	389	389	397	402	401	404	404	405	383
14 D	406	399	398	395	354	355	350	338	328	313	351	368	376	379	373	374	377	384	393	396	391	391	392	396	374
15	397	398	394	392	384	373	379	384	376	370	379	381	383	381	383	390	388	389	397	400	406	406	421	432	391
16	439	430	412	403	397	395	386	388	391	397	398	398	397	396	396	400	406	412	415	414	412	415	414	409	405
17	404	401	400	398	395	398	398	400	398	399	398	398	403	404	406	404	404	407	409	410	418	412	404	401	403
18 Q	398	397	397	396	396	396	395	395	394	394	397	398	397	397	397	391	395	397	398	400	403	404	401	398	397
19 Q	395	395	393	393	393	392	389	386	390	394	394	395	394	393	395	392	390	389	392	396	398	398	398	397	393
20 Q	394	393	392	392	392	391	389	391	391	391	393	393	392	391	387	383	385	388	392	398	400	397	394	391	392
21	391	392	392	391	386	386	389	387	390	390	389	383	381	381	381	375	378	382	383	389	394	398	398	394	388
22	392	393	391	391	392	391	390	387	389	391	393	394	390	383	380	381	386	393	401	413	419	415	409	407	395
23 D	411	428	423	352	360	384	388	389	384	378	379	387	385	381	384	388	388	389	394	399	405	405	404	404	391
24 Q	402	400	398	386	381	383	383	391	396	396	398	396	394	389	386	381	385	385	392	396	398	398	398	394	392
25	397	395	395	392	391	389	381	380	392	396	396	396	393	392	391	392	393	391	395	399	401	403	400	397	394
26	395	395	395	393	395	391	382	382	387	393	393	393	391	390	387	387	386	386	387	390	393	396	397	393	391
27	393	393	395	394	392	392	391	392	390	390	392	393	391	390	390	385	384	388	393	402	400	400	394	395	393
28 D	393	415	432	354	422	429	441	426	418	413	409	406	405	405	405	406	410	414	412	418	420	417	406	405	412
29	407	408	408	409	407	389	377	372	391	398	402	401	397	391	392	390	390	391	395	400	403	403	402	402	397
30	398	396	396	396	394	395	396	396	396	396	396	397	397	395	395	395	400	401	403	407	406	401	397	395	398
31	395	395	394	388	391	390	394	395	394	393	393	392	383	389	388	387	387	392	398	401	401	400	397	394	393
Mean	399	398	397	387	381	390	388	387	388	387	390	391	390	388	388	388	390	392	396	400	402	403	401	400	393

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt

August 1945

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	23	20	378	14	40	305	73	19	54	35.4	12	20	20.8	14.6	23	12	404	06	50	380	24
2 D	00	01	354	03	52	<u>154</u>	200	03	34	<u>58.5</u>	00	59	-02.5	<u>61.0</u>	00	48	434	04	10	<u>090</u>	<u>344</u>
3	20	28	353	14	37	<u>301</u>	52	18	30	<u>36.4</u>	02	45	12.5	<u>23.9</u>	23	14	401	14	05	<u>379</u>	<u>22</u>
4	21	44	354	14	15	296	58	18	00	33.8	13	04	19.7	14.1	23	20	402	08	05	379	23
5	05	08	356	15	56	290	66	17	40	37.8	11	25	13.1	24.7	22	19	403	05	22	363	40
6	01	27	349	14	58	282	67	18	02	37.6	04	17	13.0	24.6	03	53	416	13	47	383	33
7	21	20	366	14	42	286	80	18	28	35.1	12	28	14.8	20.3	21	44	418	09	36	380	38
8	20	45	366	15	37	281	85	18	17	38.3	12	38	17.8	20.5	22	17	412	13	06	388	24
9	21	14	362	14	47	285	77	18	42	39.0	13	36	19.3	19.7	22	07	400	16	34	384	16
10 Q	22	41	354	15	21	291	63	19	00	34.5	13	22	19.2	15.3	20	32	402	16	27	383	19
11	20	30	379	14	53	285	94	19	20	34.8	11	33	14.8	20.0	22	00	406	16	46	381	25
12	21	36	364	14	45	295	69	19	28	34.2	11	48	16.6	17.6	00	10	400	09	31	364	36
13 D	20	20	352	15	38	277	75	16	57	35.9	07	43	17.9	18.0	23	59	409	06	38	338	71
14 D	22	07	355	12	56	297	58	06	54	39.6	12	38	16.6	23.0	00	15	416	08	53	298	118
15	20	20	367	13	33	303	64	17	35	36.4	12	34	18.1	18.3	23	59	436	09	27	367	69
16	21	13	349	14	26	296	53	18	16	35.3	13	34	19.9	15.4	00	56	446	06	44	377	69
17	20	52	348	15	39	237	111	17	25	34.2	13	46	19.6	14.6	20	35	427	04	32	391	36
18 Q	21	40	345	15	07	300	<u>45</u>	18	35	36.9	12	07	18.7	18.2	21	18	405	15	22	391	<u>14</u>
19 Q	20	19	356	13	58	298	58	17	05	37.0	12	30	21.3	15.7	20	18	401	07	36	383	18
20 Q	21	33	351	14	50	295	56	17	35	35.4	12	38	19.7	15.7	20	43	401	15	40	381	20
21	10	07	350	14	08	304	46	18	29	36.4	11	15	12.3	24.1	22	04	399	15	14	374	25
22	23	50	355	16	40	271	84	19	00	41.3	12	42	13.9	27.4	20	14	422	15	41	378	44
23 D	00	01	353	02	07	271	82	17	53	38.0	03	15	-04.3	42.3	02	13	470	03	30	316	154
24 Q	21	26	349	14	52	285	64	18	32	35.1	03	32	<u>18.5</u>	16.6	00	18	405	04	08	375	30
25	07	00	347	15	10	283	64	06	55	37.9	12	30	19.6	18.3	21	02	405	07	12	369	36
26	20	47	366	15	00	298	68	17	57	37.8	12	54	18.9	18.9	22	12	399	06	48	379	20
27	23	35	<u>382</u>	15	52	295	87	17	05	37.0	13	22	18.8	18.2	19	41	406	16	18	381	25
28 D	01	05	380	03	46	161	<u>219</u>	20	11	38.2	02	50	07.6	30.6	04	06	<u>474</u>	03	43	272	202
29	07	48	341	14	36	287	<u>54</u>	18	40	33.6	13	00	17.8	15.8	03	00	<u>411</u>	07	00	362	49
30	21	00	355	14	53	300	55	18	26	35.0	13	30	22.2	12.8	20	00	407	04	04	393	<u>14</u>
31	21	55	354	14	50	301	53	19	10	34.5	03	07	20.9	<u>13.6</u>	19	56	404	03	22	383	21
Mean			358			281	77			37.1			16.0	21.1			414			360	54
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 1945

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	340	340	338	338	334	336	336	337	337	336	336	331	319	311	304	304	316	328	347	346	362	347	348	344	334
2	335	328	349	341	335	334	340	336	333	328	326	324	303	297	302	307	314	328	341	349	338	333	332	329	
3	332	337	336	338	338	340	338	337	337	333	335	331	321	313	310	312	323	335	349	355	356	350	349	349	335
4 D	339	325	323	330	337	341	331	335	305	302	313	296	304	302	290	286	291	302	327	341	346	345	338	337	320
5	329	327	327	331	331	335	337	332	332	326	325	321	312	300	288	285	296	307	323	331	341	339	338	335	323
6	338	338	333	333	328	333	329	330	328	328	330	327	311	296	296	293	308	318	331	344	349	354	336	331	327
7	340	340	339	341	336	336	334	332	340	340	339	331	319	303	299	295	308	318	330	335	340	347	346	342	331
8	337	341	341	341	340	339	341	340	340	340	339	337	327	310	298	293	299	309	320	330	350	368	348	339	332
9	353	348	348	345	345	343	341	339	340	340	343	339	328	315	312	314	315	331	341	349	354	355	352	341	339
10 Q	346	346	346	345	344	345	345	344	344	342	342	341	335	319	310	301	305	317	333	345	346	345	344	342	336
11	341	342	343	340	339	340	345	345	341	339	339	333	320	319	308	301	300	302	307	314	337	357	329	333	330
12 D	326	276	309	319	330	324	319	327	329	328	322	324	309	286	283	276	278	293	309	324	337	342	340	339	315
13	338	335	335	335	334	337	338	338	338	334	335	334	332	315	310	303	305	311	315	320	334	345	345	335	329
14 Q	331	330	332	331	331	334	334	335	335	334	334	329	321	313	309	306	308	312	326	341	346	346	340	337	329
15 Q	337	338	337	334	335	335	334	336	334	335	338	336	329	320	314	303	301	314	329	339	344	348	345	341	332
16	341	337	337	337	334	334	338	340	338	337	340	342	334	324	316	313	310	315	322	328	329	330	338	342	332
17 D	306	294	303	291	273	245	329	313	312	252	312	326	303	278	265	283	280	286	312	327	318	314	317	313	298
18 D	310	309	317	317	314	319	327	292	305	326	305	292	311	291	259	225	225	280	312	320	323	301	300	289	299
19	293	314	312	315	314	314	320	320	315	320	308	317	315	306	297	295	298	304	312	319	324	318	317	312	312
20	317	317	320	317	316	302	312	311	317	320	315	323	319	307	300	297	306	320	329	329	334	335	333	333	318
21	333	331	330	330	330	330	331	332	331	331	331	324	314	292	271	278	298	313	322	333	336	336	320	324	321
22	323	322	325	333	327	326	325	327	327	329	328	322	307	297	285	278	288	301	315	330	339	340	338	337	319
23 Q	334	325	329	330	331	327	333	333	333	334	330	328	315	303	292	284	287	301	315	327	334	337	338	338	322
24 Q	340	340	338	339	339	340	340	339	339	338	338	337	334	321	310	299	300	309	321	330	342	350	346	346	332
25	346	346	346	347	349	346	349	351	355	354	343	339	340	331	309	296	291	300	308	322	339	348	345	338	335
26	338	338	340	338	337	337	336	337	335	335	335	333	324	313	304	297	302	314	330	348	349	345	349	351	332
27	349	345	342	338	330	330	338	340	338	339	329	319	325	320	309	307	310	313	323	335	345	340	337	334	331
28	330	330	321	315	313	327	331	331	333	335	334	330	325	317	307	301	304	309	314	325	332	337	337	336	324
29	335	332	329	334	335	333	328	325	334	335	334	331	322	313	301	295	292	300	316	325	330	339	339	337	325
30 D	340	330	314	322	331	330	333	326	326	336	325	325	320	310	297	299	304	314	324	328	338	335	334	320	323
31																									
Mean	333	330	331	331	330	330	334	332	332	330	330	327	320	308	298	294	298	310	323	333	340	341	337	334	325

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt

D = 7° W + . . . '

September 1945

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	28.8	28.8	28.4	28.1	27.6	27.6	27.2	26.7	26.0	26.0	24.9	23.3	21.8	22.4	24.4	28.2	31.7	33.9	33.3	31.8	28.9	27.5	27.4	29.4	27.7	
2	30.3	30.9	24.8	27.8	27.2	28.1	30.0	30.6	27.8	23.7	22.7	21.8	19.8	20.3	25.3	29.7	33.3	35.5	34.8	31.5	28.7	27.3	27.4	28.5	27.8	
3	28.8	28.2	28.1	27.7	27.6	27.5	27.0	25.5	24.4	23.7	22.7	21.2	20.5	21.7	25.9	30.8	33.9	34.4	34.1	32.3	29.5	26.5	25.9	27.6	27.3	
4 D	26.8	22.9	27.5	28.4	27.8	27.3	25.0	24.7	18.5	15.1	19.0	22.3	23.7	22.4	25.9	30.3	35.9	38.4	38.1	33.8	30.7	28.5	26.4	27.0	26.9	
5	23.7	26.9	27.8	28.3	29.0	31.0	30.1	27.3	24.3	22.7	22.5	19.9	19.0	20.5	24.3	31.2	33.7	35.0	35.8	34.1	30.6	28.2	27.1	27.9	27.6	
6	28.2	28.7	28.7	28.8	28.1	31.4	26.5	26.0	25.4	26.4	25.4	22.7	22.6	25.8	27.2	29.6	33.2	34.5	32.9	30.1	28.6	28.2	28.8	29.3	28.2	
7	28.3	27.8	25.5	25.9	26.8	26.5	26.7	28.2	25.7	24.1	23.7	22.1	20.1	20.7	22.7	27.9	33.2	35.9	34.6	32.8	30.1	28.0	27.2	27.3	27.2	
8	26.7	26.8	26.8	28.0	27.8	27.6	26.8	26.4	25.7	25.6	24.8	22.8	21.5	21.4	23.7	27.8	32.3	35.0	35.5	33.9	31.8	29.5	28.2	29.6	27.8	
9	28.7	28.3	27.6	27.5	26.9	26.5	26.2	24.7	24.6	24.8	24.1	21.8	20.0	19.9	25.4	28.8	31.6	34.5	35.0	32.4	30.4	28.8	27.8	27.4	27.2	
10 Q	28.5	27.8	27.3	27.2	27.2	26.8	26.4	26.0	25.4	25.9	24.5	21.9	20.7	21.7	23.6	28.0	33.9	36.4	35.9	33.3	30.5	29.3	28.2	28.5	27.8	
11	27.7	27.3	26.8	25.8	27.2	27.2	26.5	26.8	26.0	25.9	25.5	24.6	21.5	20.8	23.0	25.9	28.8	33.9	37.6	38.2	34.8	30.4	31.5	30.6	28.1	
12 D	27.4	07.6	24.4	22.1	25.9	23.2	24.8	28.8	27.3	25.7	26.3	23.1	20.0	21.4	20.9	24.5	30.3	33.8	35.1	34.1	32.3	30.1	28.2	27.1	26.0	
13	26.9	26.7	26.4	25.7	26.1	25.9	26.3	26.1	25.0	25.2	24.8	22.1	20.8	22.1	24.6	26.7	29.3	32.5	35.9	36.6	33.1	30.6	28.8	28.7	27.4	
14 Q	27.7	24.8	23.2	27.3	27.2	26.9	26.8	26.8	26.3	25.6	23.6	21.7	22.2	22.8	24.8	28.1	32.1	33.3	32.8	31.2	29.8	28.3	27.4	26.9		
15 Q	27.3	27.3	26.4	27.0	25.7	26.0	26.1	26.7	27.6	28.1	27.0	23.3	21.2	21.5	23.7	26.1	29.7	31.8	32.6	31.2	29.5	28.1	27.0	27.3	27.0	
16	27.7	28.1	27.7	27.5	26.9	26.0	25.6	25.9	25.9	26.0	25.2	22.5	20.4	19.4	21.0	23.0	26.8	30.1	31.0	30.4	29.1	28.8	26.9	26.7	26.2	
17 D	10.3	12.7	19.9	20.0	18.5	30.6	23.9	24.2	27.2	41.4	24.6	21.8	23.0	24.3	30.3	32.1	35.0	34.6	31.8	31.8	30.8	25.0	24.2	23.8	25.9	
18 D	25.1	23.1	04.5	23.2	26.2	31.0	26.3	29.2	36.9	35.0	29.8	37.2	29.2	25.7	29.9	36.7	42.1	45.0	32.7	35.0	32.7	29.6	25.7	27.6	29.9	
19	05.7	25.5	27.6	28.2	28.2	28.8	29.0	28.5	32.0	29.0	30.0	26.8	23.5	25.0	27.7	30.8	32.9	34.5	34.9	33.4	30.9	30.1	29.1	29.0	28.4	
20	28.7	27.2	26.9	27.9	28.1	25.4	26.3	25.4	24.2	26.3	31.6	25.7	21.7	22.7	26.4	29.8	33.0	34.8	35.1	32.5	28.7	27.4	27.0	27.2	27.9	
21	27.4	27.3	27.8	27.3	27.8	27.2	26.3	25.7	25.3	25.7	24.5	23.0	20.8	21.3	26.4	32.7	36.3	35.9	35.3	33.9	31.2	29.8	29.6	27.7	28.2	
22	28.8	28.6	26.0	27.8	26.5	27.4	27.2	26.2	25.8	26.0	24.7	23.4	21.5	21.5	23.7	28.2	31.9	33.6	33.8	32.4	29.2	27.5	27.4	27.8	27.4	
23 Q	27.9	27.0	26.9	27.3	27.9	27.4	27.2	26.8	25.8	25.6	24.7	22.8	20.9	21.2	23.1	26.5	30.3	32.5	33.5	32.4	30.0	28.2	27.3	27.1	27.1	
24 Q	27.2	27.3	26.8	26.9	27.3	27.1	26.8	25.8	25.7	25.3	24.7	22.9	21.6	20.8	22.4	25.1	28.6	31.9	32.7	32.5	30.9	29.1	27.7	27.0	26.9	
25	27.1	27.3	27.9	27.3	27.0	25.5	25.7	25.2	23.7	22.6	22.0	21.0	20.1	20.8	20.9	26.0	30.5	34.2	37.1	36.4	33.6	31.4	29.1	29.9	27.2	
26	28.2	27.1	25.3	27.1	27.1	26.9	26.3	26.0	25.8	26.1	26.4	23.7	21.6	20.8	22.7	26.1	32.0	36.3	35.5	35.1	32.1	29.7	28.2	28.2	27.7	
27	27.8	27.1	27.5	23.3	28.3	24.5	25.8	25.8	25.2	25.1	24.0	31.9	30.4	23.7	23.4	27.4	30.9	31.9	32.2	30.7	29.4	28.8	28.3	28.9	27.6	
28	27.7	27.7	26.4	22.8	26.9	26.4	27.1	26.4	26.2	27.2	27.1	25.2	22.5	22.8	26.0	28.3	31.5	33.5	33.1	31.6	29.5	28.4	27.4	27.4	27.5	
29	27.5	27.4	27.0	27.6	27.0	25.6	23.9	25.4	24.6	24.5	24.1	22.5	20.5	20.3	22.5	25.6	31.0	35.6	36.5	33.6	31.0	28.5	27.4	27.2	27.0	
30 D	27.0	26.5	20.7	27.0	27.4	26.9	26.6	27.8	23.1	21.5	22.0	24.7	20.1	21.9	23.8	26.3	31.3	34.3	36.5	35.7	34.0	33.0	30.8	29.9	27.4	
31																										
Mean	26.3	26.0	25.6	26.5	26.9	27.2	26.5	26.5	25.8	25.8	24.9	23.7	21.7	21.8	24.4	28.1	32.0	34.5	34.5	33.2	30.8	28.8	27.8	27.9	27.4	

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

Table 35 Agincourt

z = 56,000 γ +

September 1945

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	395	394	391	391	391	391	391	390	391	392	392	393	393	390	385	383	382	385	388	388	392	387	391	395	390	
2	398	401	389	386	392	391	384	366	378	386	393	392	388	386	386	386	389	393	394	395	401	398	395	396	390	
3	395	395	392	390	391	390	389	387	389	390	392	392	392	393	391	390	390	394	398	401	401	399	397	395	393	
4 D	396	397	399	397	399	395	384	330	310	372	388	376	381	384	385	389	393	397	401	405	413	406	401	401	388	
5	397	397	398	395	392	381	379	386	393	391	395	393	388	389	388	389	397	404	408	405	403	401	401	398	395	
6	398	399	399	399	400	392	392	397	394	393	396	396	393	392	391	392	393	397	399	403	405	404	399	398	397	
7	396	395	392	387	389	392	393	393	392	392	392	391	389	385	385	382	385	390	399	405	403	402	399	397	393	
8	393	390	391	390	389	388	388	388	390	389	392	390	391	388	389	387	388	391	398	397	398	400	393	392	391	
9	393	392	390	388	388	387	387	386	386	387	390	391	389	387	390	385	386	389	390	391	393	393	392	391	389	
10 Q	391	390	387	387	386	386	386	386	386	386	388	389	388	387	386	385	386	383	387	391	394	396	392	389	388	
11	388	389	387	386	388	388	388	387	387	386	388	387	386	386	386	386	383	388	397	405	415	436	410	407	393	
12 D	412	417	407	378	360	378	385	389	388	391	393	397	391	394	399	395	395	395	402	407	406	401	397	394	394	
13	393	393	393	391	391	384	381	381	380	378	386	387	387	388	391	391	391	392	398	405	401	400	400	399	391	
14 Q	397	395	392	392	393	392	392	392	391	391	393	394	392	389	389	390	394	398	399	400	398	397	393	393	394	
15 Q	393	392	393	394	394	393	391	388	387	384	387	390	387	384	387	388	387	387	393	396	394	395	394	392	391	
16	392	393	393	393	394	392	387	387	387	388	390	390	389	384	381	372	372	376	384	394	397	397	398	404	389	
17 D	418	405	398	388	337	248	323	367	362	277	288	335	352	369	376	382	393	412	424	423	422	441	429	420	375	
18 D	420	411	390	391	396	377	386	349	337	362	358	348	367	379	388	399	415	435	444	423	432	467	476	468	401	
19	439	385	410	406	403	402	400	391	386	380	388	391	398	397	397	400	403	403	407	410	414	416	416	416	403	
20	412	407	400	397	380	389	395	392	395	390	389	383	391	392	393	395	397	398	400	400	401	397	397	398	395	
21	398	398	398	398	399	399	399	398	398	397	397	398	396	394	397	401	401	403	406	408	411	415	414	414	401	
22	417	416	408	396	398	403	401	400	400	399	399	402	400	402	401	402	402	403	404	404	405	404	403	401	403	
23 Q	402	402	400	398	398	397	397	397	398	398	399	401	400	399	396	393	395	399	399	402	403	400	400	398	399	
24 Q	398	396	396	396	396	396	396	394	393	394	394	396	396	396	391	391	391	389	389	393	397	399	399	398	395	
25	396	396	396	396	396	397	397	396	394	392	392	396	395	395	395	393	392	392	401	404	406	405	404	401	397	
26	402	401	395	393	396	395	395	395	394	394	394	396	397	393	395	390	389	397	401	403	403	401	397	397	396	
27	394	394	398	372	375	384	396	396	395	395	391	385	380	384	386	390	398	401	402	404	405	403	404	402	393	
28	402	404	406	403	401	404	401	400	400	399	398	401	400	399	396	393	393	398	402	406	405	404	402	398	401	
29	400	398	399	394	391	390	390	397	399	399	399	399	400	396	394	389	389	391	397	400	403	404	400	400	396	
30 D	398	399	402	402	401	398	381	339	344	382	388	391	394	391	391	387	382	388	395	401	403	409	418	420	392	
31																										
Mean	401	398	396	393	390	387	389	385	384	385	388	389	390	390	390	390	392	396	400	402	404	406	403	402	394	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt

September 1945

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	07	383	14	30	300	83	17	55	34.2	12	57	20.5	13.7	20	08	399	14	31	381	18	
2	02	57	367	14	30	295	72	17	45	36.0	02	32	16.6	19.4	20	32	405	07	44	355	50	
3	21	07	364	14	18	304	60	17	56	35.0	12	09	20.5	14.5	21	07	404	07	34	387	17	
4 D	21	18	363	14	58	280	83	17	40	40.1	09	10	10.9	29.2	20	16	418	08	12	277	141	
5	20	30	350	15	42	281	69	18	12	36.5	13	05	18.5	18.0	18	04	410	05	50	375	35	
6	21	47	359	13	37	289	70	17	29	34.6	12	04	21.4	13.2	21	46	408	05	38	386	22	
7	21	12	350	15	00	289	61	17	23	36.4	13	10	19.6	16.8	20	00	406	15	46	379	27	
8	20	54	381	15	20	288	93	18	03	36.2	13	05	20.5	15.7	20	58	405	15	23	385	20	
9	00	37	363	14	02	307	56	18	05	35.9	13	03	18.2	17.7	22	47	396	07	35	383	13	
10 Q	19	37	352	16	23	298	54	17	54	37.2	12	45	20.7	16.5	21	00	398	17	06	381	17	
11	21	32	367	15	22	293	74	18	55	40.3	13	22	19.9	20.4	21	48	445	02	57	381	64	
12 D	01	05	345	01	48	258	87	18	37	35.9	01	40	00.8	35.1	01	32	429	03	57	346	83	
13	22	30	351	18	55	293	58	18	54	38.1	13	17	18.7	19.4	19	37	409	09	30	378	31	
14 Q	20	15	351	15	23	303	48	18	03	33.5	02	14	18.1	15.4	20	10	400	13	59	388	12	
15 Q	21	16	351	16	00	298	53	18	30	33.0	13	23	20.7	12.3	19	51	398	09	08	381	17	
16	23	03	357	16	17	305	52	17	50	31.2	13	04	18.5	12.7	23	37	405	16	19	369	36	
17 D	21	06	360	09	13	179	181	09	22	56.5	00	58	-04.3	60.8	21	15	455	05	13	195	260	
18 D	09	57	338	16	12	190	148	17	35	51.9	02	23	-03.4	55.3	22	06	488	07	58	281	207	
19	01	00	341	00	35	262	79	08	38	36.2	00	42	-25.2	61.4	00	37	507	01	14	354	153	
20	20	50	339	15	08	291	48	10	45	36.4	12	45	20.6	15.8	00	17	414	04	28	371	43	
21	19	53	345	14	39	266	79	16	06	37.1	13	14	19.7	17.4	22	18	420	13	40	394	26	
22	03	18	343	15	30	275	68	18	20	34.6	12	55	20.4	14.2	01	14	419	03	29	387	32	
23 Q	21	50	340	15	40	281	59	18	06	33.8	12	56	20.0	13.8	01	13	404	15	50	393	11	
24 Q	21	40	354	15	50	297	57	18	16	33.0	13	35	20.7	12.3	21	32	402	17	08	388	14	
25	08	55	360	16	20	287	73	18	42	38.0	14	37	18.3	19.7	21	35	407	16	46	386	21	
26	20	15	363	15	50	290	73	17	22	37.3	12	53	19.6	17.7	20	13	406	16	14	386	20	
27	20	33	359	15	22	303	56	12	04	35.9	03	33	16.7	19.2	20	34	411	03	45	345	66	
28	09	35	338	15	10	300	38	17	41	34.2	03	26	20.3	13.9	02	52	409	16	28	390	19	
29	22	05	345	17	00	289	56	18	02	37.6	12	36	19.9	17.7	21	02	406	06	17	385	21	
30 D	20	45	353	15	45	292	61	19	08	37.6	02	08	14.5	23.1	22	18	423	07	32	319	104	
31																						
Mean			355			283	72			37.1			15.4	21.7			417			364	53	
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 1945

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	322	315	319	327	329	325	329	328	328	325	324	320	315	309	307	308	313	318	328	330	331	325	334	338	323	
2	339	338	336	334	335	334	333	332	335	333	331	329	325	313	302	307	315	319	320	326	328	331	333	335	328	
3 Q	332	330	333	335	333	333	335	334	334	333	331	328	325	320	318	317	316	323	328	330	332	335	336	335	330	
4 Q	334	334	334	334	333	334	333	336	336	335	334	330	320	312	305	307	319	333	340	347	348	342	342	341	332	
5	335	335	334	327	323	330	330	333	325	321	324	317	304	297	298	296	297	304	313	323	335	329	323	330	320	
6	333	336	334	335	333	333	331	331	332	332	330	328	315	302	290	289	307	320	325	331	335	336	333	333	325	
7	334	334	335	333	332	332	333	334	334	335	332	330	320	310	298	289	288	300	310	329	351	350	320	317	324	
8	319	323	322	324	325	322	318	325	330	333	333	321	317	311	291	288	299	303	312	321	331	333	336	336	319	
9	334	333	332	330	326	314	313	328	326	321	322	322	315	307	296	288	295	299	308	323	334	336	334	332	319	
10 Q	335	334	335	335	335	333	334	333	334	333	334	322	318	312	303	301	302	308	316	326	331	336	337	337	326	
11 Q	339	338	336	336	335	336	336	337	338	338	337	334	328	314	302	296	298	304	315	329	337	344	349	350	329	
12 D	348	345	344	342	341	337	347	348	343	348	347	324	329	272	292	311	289	262	274	285	299	312	311	317	319	
13	314	309	316	313	314	309	316	299	288	322	326	320	311	297	284	276	274	284	296	306	315	316	312	310	305	
14	313	316	317	313	311	309	322	321	319	322	322	321	314	303	303	303	300	299	307	317	318	316	311	313	313	
15	313	316	316	315	319	325	319	319	321	321	320	323	320	304	295	284	288	302	309	318	324	328	322	321	314	
16 D	326	325	325	323	320	318	325	310	308	320	334	337	327	313	320	313	315	306	311	323	322	325	326	325	321	
17	324	326	323	324	325	324	323	310	319	315	319	329	326	316	310	303	303	316	324	322	327	328	328	320	320	
18	315	324	324	324	318	323	328	329	328	329	329	329	325	315	315	319	323	321	320	324	326	330	327	325	324	
19	329	332	330	328	330	330	328	332	333	334	332	327	326	322	314	309	315	323	330	334	325	317	313	313	325	
20	299	301	300	302	312	317	319	322	324	327	326	323	319	314	309	303	310	319	324	337	337	329	323	324	317	
21	328	328	328	327	326	326	326	326	327	326	326	325	316	303	290	289	300	311	325	339	344	343	336	342	323	
22	347	346	346	345	344	344	343	343	342	342	338	337	325	311	311	334	337	331	339	341	340	344	346	337	338	
23	338	337	337	334	334	334	337	337	336	335	338	338	328	319	313	312	311	316	331	339	346	351	345	344	333	
24 D	352	353	330	297	335	325	332	328	335	340	296	317	316	298	289	293	286	313	303	293	324	322	317	299	317	
25 D	299	296	278	286	307	308	306	301	294	236	256	287	313	294	275	267	266	276	299	307	323	331	335	334	295	
26 Q	329	327	325	329	326	326	327	327	327	328	327	325	320	311	303	293	290	291	305	316	325	328	333	334	320	
27	332	331	331	333	334	335	335	338	338	337	336	334	328	317	305	302	308	319	326	333	339	339	333	328	329	
28 D	346	358	311	256	286	286	304	303	308	312	312	312	308	291	281	277	287	283	314	326	310	307	320	332	306	
29	329	328	318	330	326	328	327	327	327	326	325	323	314	299	294	298	299	304	315	320	331	318	323	328	319	
30	330	328	333	332	333	333	331	329	331	332	331	331	325	309	323	317	308	307	318	323	333	338	338	337	327	
31	337	338	333	331	333	334	333	333	335	337	338	338	333	325	314	308	308	311	320	325	337	343	342	344	330	
Mean	329	330	326	324	326	326	328	327	327	327	327	326	326	321	308	302	301	303	308	317	324	330	331	330	330	322

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt

D = 7° W + . . . '

October 1945

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	28.0	27.4	28.1	27.4	27.2	27.1	27.2	26.6	26.2	26.0	27.1	25.0	22.9	22.7	23.8	26.5	30.4	32.3	33.6	32.9	32.2	31.2	28.5	27.3	27.9	
2	27.1	27.4	27.1	27.2	27.5	27.2	26.4	25.4	24.7	23.0	22.9	22.2	21.8	21.3	27.2	28.7	30.4	32.0	32.0	30.7	29.3	28.4	27.9	27.7	26.9	
3 Q	27.1	26.6	27.0	27.6	27.3	27.2	26.9	27.0	25.5	25.6	25.2	24.3	23.5	23.2	22.9	24.1	27.4	29.1	29.6	29.2	28.3	27.5	27.4	28.0	26.6	
4 Q	27.8	27.4	27.2	27.2	27.3	26.9	26.6	26.1	25.7	25.4	24.7	23.7	21.9	20.9	22.9	26.0	29.9	32.0	32.9	31.5	29.2	27.2	27.6	27.6	26.9	
5	28.0	28.3	27.1	26.1	26.5	25.9	26.6	26.0	22.0	21.3	22.9	18.3	16.8	20.7	24.7	29.9	33.9	36.7	39.3	37.4	34.7	33.4	29.2	27.2	27.6	
6	26.2	26.0	26.2	26.6	26.5	26.5	26.3	26.0	25.7	25.0	24.8	23.8	21.6	21.0	23.5	29.6	33.0	34.3	33.9	32.7	31.1	29.8	28.9	28.6	27.4	
7	27.0	26.5	26.7	27.1	27.8	27.1	26.7	26.2	25.6	25.5	25.3	24.1	21.0	19.9	21.4	24.5	28.3	31.5	33.0	31.7	30.7	29.2	29.3	32.9	27.0	
8	29.0	28.3	27.1	27.1	27.0	26.5	25.7	26.5	25.8	25.2	26.2	24.5	27.1	24.4	25.6	31.0	35.6	33.6	34.1	34.1	31.7	29.0	27.4	26.8	28.3	
9	26.6	26.4	26.6	27.0	26.7	22.3	22.6	29.3	24.9	25.4	25.1	23.8	21.6	20.1	23.2	27.5	31.0	33.7	34.6	33.5	31.2	29.0	28.0	27.8	27.0	
10 Q	27.3	27.0	26.7	26.6	26.6	26.6	26.6	26.5	26.2	25.8	25.3	23.9	22.0	21.7	22.2	28.0	31.9	33.8	33.5	32.1	29.8	28.1	27.8	28.0	27.2	
11 Q	27.3	27.0	26.5	26.5	26.5	26.5	26.4	26.1	26.0	25.7	25.3	24.2	21.9	20.8	21.9	25.8	29.8	31.5	32.5	31.7	30.1	28.6	28.0	27.3	26.9	
12 D	26.9	26.1	26.0	25.9	25.6	25.5	24.1	22.7	23.4	23.0	21.9	31.7	30.7	26.8	42.6	29.6	32.5	36.1	36.0	35.0	31.0	29.6	27.1	16.2	28.1	
13	23.9	25.3	26.6	25.9	27.1	33.5	35.3	34.4	39.2	24.3	22.9	24.8	23.9	22.3	24.6	28.7	32.3	33.2	32.3	31.6	30.1	28.0	26.7	23.0	28.3	
14	27.1	27.0	27.5	27.0	27.0	26.8	28.3	28.3	25.7	25.3	25.4	24.3	22.9	24.3	26.6	28.5	31.7	33.4	33.4	32.3	31.3	30.0	26.9	27.8	27.9	
15	27.2	26.9	26.1	27.0	25.6	26.6	25.6	27.8	25.2	23.2	24.7	24.1	21.7	21.4	22.9	27.4	32.4	34.7	32.3	31.1	29.6	28.5	28.1	28.7	27.0	
16 D	27.8	27.4	24.7	25.1	25.5	28.3	24.4	19.3	21.9	17.9	16.5	19.0	22.5	29.8	33.5	33.8	35.3	34.0	34.6	30.7	27.4	25.9	25.4	26.3	26.5	
17	26.6	26.6	26.5	27.0	26.9	26.2	23.8	26.3	27.5	24.1	21.1	24.5	23.4	25.0	27.1	30.3	34.0	33.8	32.0	31.5	28.4	27.3	26.4	25.9	27.2	
18	23.5	25.9	25.9	28.3	25.3	25.4	28.1	25.7	24.8	25.6	28.1	27.1	23.4	25.7	27.4	28.9	28.8	30.0	31.8	31.9	30.8	29.2	28.7	27.2	27.4	
19	23.7	27.1	27.1	27.1	27.2	27.3	26.5	25.6	25.3	24.4	24.4	25.3	28.8	26.5	28.0	29.3	31.8	34.1	32.9	31.4	30.0	28.2	25.0	25.6	27.6	
20	22.9	25.2	25.3	24.3	26.1	27.2	26.6	25.5	25.5	25.7	25.6	25.0	23.4	23.8	25.7	28.0	30.0	30.8	30.7	30.0	29.0	28.9	30.0	29.9	26.9	
21	27.7	27.2	27.6	27.2	27.0	26.7	26.4	26.0	25.6	25.3	25.2	24.2	22.2	22.5	24.7	28.3	32.8	33.6	32.9	31.4	29.9	28.2	27.2	27.4	27.4	
22	27.5	26.7	26.9	26.8	26.7	26.3	26.2	25.4	25.8	25.1	24.6	25.4	21.3	22.7	32.1	37.2	36.3	36.7	34.0	31.7	30.8	28.5	30.1	29.3	28.5	
23	27.1	26.6	26.8	26.6	26.6	26.4	26.2	26.1	25.3	25.4	24.6	23.3	21.8	21.4	23.6	27.2	30.3	32.1	33.1	31.8	29.3	28.3	28.1	27.3	26.9	
24 D	26.3	26.0	25.5	18.1	23.3	21.8	26.2	24.2	30.3	26.3	44.9	25.5	15.9	17.2	27.9	29.4	30.2	34.1	39.6	33.1	31.5	34.6	29.2	27.6		
25 D	16.9	21.7	13.6	09.1	19.3	26.7	27.9	26.1	25.8	43.9	27.4	35.1	30.5	28.2	28.7	32.0	34.6	40.0	35.6	37.5	35.7	32.9	29.7	28.2	28.6	
26 Q	27.0	26.6	25.5	27.4	27.0	26.7	27.5	27.1	27.0	26.6	26.3	25.9	24.0	23.0	23.1	26.3	29.1	30.2	30.8	30.3	29.4	29.4	29.0	28.3	27.2	
27	27.9	27.9	26.5	27.4	27.7	27.5	27.2	27.6	26.3	25.7	25.3	26.3	25.0	23.6	24.4	27.3	31.8	33.6	33.1	32.6	33.6	34.6	36.2	22.7	28.4	
28 D	23.8	09.7	17.3	39.7	25.8	25.5	25.6	25.4	25.7	25.6	26.0	29.1	24.3	24.7	26.0	29.3	31.2	34.6	34.8	35.3	35.1	34.8	31.5	27.8	27.9	
29	26.9	27.0	26.0	24.6	26.6	27.1	27.3	26.6	26.2	26.1	26.3	25.7	24.2	22.0	23.3	25.9	29.9	23.0	24.5	24.0	23.0	20.6	20.3	19.3	24.9	
30	28.4	27.4	26.3	26.1	26.3	26.1	26.6	26.2	26.6	26.1	25.9	25.9	26.7	28.1	26.3	25.5	28.2	30.1	31.2	31.3	29.7	28.6	28.1	27.9	27.5	
31	27.0	25.9	26.0	26.6	26.7	27.2	26.5	26.2	26.2	26.1	25.9	25.6	24.2	23.3	23.3	24.9	27.5	29.7	31.1	30.7	29.7	28.3	27.5	27.5	26.8	
Mean	26.3	26.0	25.8	26.2	26.3	26.6	26.6	26.2	26.0	25.2	24.8	25.6	23.6	23.1	25.5	28.3	31.3	32.7	32.9	32.2	30.5	29.1	28.2	26.9	27.3	

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

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

Table 39 Agincourt

z = 56,000 γ +

October 1945

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	422	425	418	410	404	401	400	399	400	399	400	401	400	399	397	393	392	395	398	402	410	410	405	400	403
2	401	400	399	399	399	401	399	400	394	390	390	396	397	396	396	395	393	396	398	400	401	401	402	402	397
3 Q	401	401	400	399	399	399	398	399	397	397	397	397	397	391	389	384	384	387	394	396	398	398	399	399	396
4 Q	399	399	397	397	398	398	399	398	397	397	397	399	398	397	389	382	382	386	394	397	398	397	397	399	395
5	399	401	402	403	407	403	401	391	394	397	395	392	394	393	391	387	391	395	403	410	414	408	406	406	399
6	404	404	403	402	402	403	403	403	401	399	403	403	401	400	398	398	402	404	404	405	406	407	407	407	403
7	407	405	404	402	403	402	402	402	401	400	403	404	403	400	396	393	395	401	404	409	413	431	443	435	406
8	429	417	410	408	405	404	404	400	397	403	404	404	399	396	393	394	399	399	402	404	407	408	405	404	404
9	402	402	402	402	399	386	386	375	380	385	392	401	402	400	400	402	404	407	407	410	410	410	406	405	399
10 Q	405	404	403	403	402	402	401	402	401	401	401	402	402	402	397	396	397	397	403	405	406	405	403	402	402
11 Q	401	400	400	400	400	400	400	400	400	399	400	401	402	400	397	396	400	400	403	404	405	402	400	400	400
12 D	400	399	399	401	401	401	388	383	401	401	395	392	383	392	401	408	401	412	427	425	431	432	428	416	405
13	413	414	401	406	404	383	383	375	356	380	396	404	403	404	402	401	410	414	413	415	419	419	419	419	402
14	420	419	417	416	415	409	396	390	400	405	410	413	414	410	410	402	403	410	414	414	417	423	426	425	412
15	422	419	420	418	409	405	404	404	408	410	410	414	414	407	402	401	407	413	413	414	415	417	415	414	412
16 D	415	414	412	409	414	391	377	380	388	395	394	397	400	403	401	398	400	405	414	417	420	420	417	415	404
17	415	412	412	411	412	411	403	398	391	391	400	397	400	400	401	400	404	407	410	417	420	417	415	417	407
18	419	419	417	408	404	401	395	408	412	412	410	404	406	405	405	401	404	405	411	415	415	417	420	421	410
19	416	414	413	412	412	412	411	409	410	409	407	406	407	404	404	398	395	401	404	409	415	427	437	437	411
20	451	440	429	427	422	421	418	416	416	416	416	417	418	413	409	404	407	409	411	415	415	417	417	419	418
21	416	414	414	410	413	413	413	413	413	413	413	413	416	412	410	410	409	410	410	411	410	413	412	413	412
22	411	407	406	406	406	406	406	406	406	406	406	407	406	405	399	396	395	402	405	406	412	414	419	417	406
23	416	414	411	410	410	410	409	408	409	408	409	412	413	410	405	405	406	410	413	413	412	409	408	409	410
24 D	407	405	413	412	396	399	405	396	351	336	300	275	319	383	393	393	397	402	412	420	444	452	458	475	393
25 D	447	509	499	465	435	430	423	412	387	317	305	337	342	358	386	404	416	422	426	422	414	414	416	417	408
26 Q	417	418	420	418	419	417	417	414	414	413	413	414	413	412	407	404	407	412	417	419	419	415	413	413	414
27	412	413	413	413	412	408	410	407	407	406	406	409	411	408	406	406	403	404	406	414	421	442	522	571	422
28 D	588	605	504	350	358	404	422	421	422	420	416	415	421	419	416	412	414	421	425	436	448	438	430	430	435
29	425	422	422	413	412	419	418	418	418	416	416	418	419	413	412	412	418	421	422	425	433	430	430	428	420
30	427	425	424	422	419	418	418	418	418	415	415	415	416	418	416	404	404	410	417	419	422	420	418	416	417
31	417	419	423	420	417	416	415	415	414	414	416	416	416	415	414	411	410	412	418	420	418	419	419	418	416
Mean	420	421	416	409	407	406	404	402	400	399	398	399	401	402	401	400	402	405	409	412	416	417	420	421	408

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt

October 1945

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	23	50	339	14	10	302	37	18	58	34.4	13	02	22.3	12.1	01	16	431	16	30	390	41
2	02	55	339	15	00	298	41	18	00	32.6	13	45	19.6	13.0	22	17	426	16	11	381	45
3 Q	06	35	338	16	30	314	<u>24</u>	18	20	30.0	14	03	22.6	07.4	01	46	402	16	40	381	21
4 Q	20	15	357	15	05	303	<u>54</u>	18	12	34.0	13	40	20.5	13.5	12	00	401	16	17	382	19
5	07	17	341	15	35	290	51	18	42	40.2	12	53	16.8	23.4	20	37	415	07	34	382	33
6	20	05	340	15	25	283	57	17	58	35.0	13	13	20.5	14.5	21	47	409	15	05	395	14
7	21	33	368	16	05	285	83	23	28	35.1	13	15	19.4	15.7	22	20	448	15	39	392	56
8	23	25	340	15	10	284	56	16	07	38.0	11	33	23.2	14.8	00	10	433	14	23	390	43
9	07	34	338	16	20	285	53	18	40	35.1	13	03	18.7	16.4	21	00	412	07	30	367	45
10 Q	22	42	338	14	40	297	41	17	53	34.1	14	32	21.0	13.1	20	10	407	16	08	394	13
11 Q	22	07	355	16	10	294	61	18	30	32.6	13	40	20.1	12.5	20	31	406	14	45	395	<u>11</u>
12 D	06	57	362	18	00	249	113	14	17	48.7	23	00	11.3	37.4	23	05	436	07	10	368	<u>68</u>
13	10	26	331	08	30	271	60	08	25	48.3	00	02	17.4	30.9	23	24	424	08	33	324	100
14	07	43	334	17	00	289	45	17	39	34.3	12	25	22.4	11.9	22	15	427	06	52	383	44
15	21	22	332	16	15	282	50	17	21	35.6	13	50	20.1	15.5	00	01	423	05	04	398	25
16 D	11	30	340	08	25	299	41	14	48	37.8	10	03	14.1	23.7	19	45	422	06	03	368	54
17	22	37	334	15	55	295	39	17	04	36.5	09	09	19.6	16.9	20	07	420	08	54	382	38
18	22	33	336	13	35	310	26	06	10	32.7	12	20	22.6	10.1	23	59	422	06	22	381	41
19	19	26	339	16	21	307	32	17	27	34.6	00	28	19.3	15.3	23	59	445	16	28	393	52
20	20	07	343	00	45	288	55	19	08	31.7	01	00	20.0	11.7	00	52	460	15	19	401	59
21	23	59	348	15	20	285	63	16	36	34.4	12	50	21.2	13.2	00	01	419	20	49	407	12
22	22	03	355	14	00	308	47	15	34	38.6	13	02	19.3	19.3	22	08	422	16	00	393	29
23	23	45	358	16	25	308	50	17	36	33.3	12	49	20.2	13.1	00	35	419	15	23	402	17
24 D	23	52	370	19	38	230	140	11	28	51.7	10	05	12.0	39.7	23	49	569	11	07	247	322
25 D	22	50	338	10	03	199	139	09	42	54.3	02	15	02.7	51.6	02	08	568	10	01	242	326
26 Q	23	33	335	16	20	289	46	18	15	31.2	14	00	22.4	08.8	02	42	423	15	37	401	22
27	23	52	382	23	40	285	97	22	30	39.0	23	28	16.0	23.0	23	05	606	16	04	400	206
28 D	01	13	<u>589</u>	03	54	<u>147</u>	<u>442</u>	03	46	<u>85.2</u>	01	10	<u>-05.8</u>	<u>91.0</u>	01	31	<u>693</u>	03	35	<u>197</u>	<u>496</u>
29	20	50	343	14	00	286	<u>57</u>	18	49	34.8	03	28	19.1	15.7	01	31	437	03	38	396	41
30	21	33	344	13	15	299	45	19	05	32.6	11	12	25.3	07.3	01	05	430	16	27	404	26
31	23	50	345	17	14	307	38	18	19	32.1	14	03	22.0	10.1	18	18	425	16	08	410	15
Mean			353			283	70			38.4			18.3	20.1			447			372	75
No. days			31			31	31			31			31	31			31			31	31

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

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

Table 41 Agincourt

H = 15,000 γ +

November 1945

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	346	343	341	338	335	335	333	333	335	334	334	332	328	320	318	316	318	325	333	341	343	342	343	343	343	334
2 Q	339	340	339	339	337	338	338	339	340	341	340	339	333	323	317	312	312	314	323	328	334	338	341	343	343	333
3	343	344	343	343	343	342	342	338	340	343	341	341	333	324	312	312	319	325	331	339	342	343	342	341	336	
4	340	343	340	342	345	346	346	346	346	348	349	348	341	328	312	317	323	324	332	339	348	343	351	342	339	
5	328	327	309	317	323	327	328	328	331	332	330	338	330	312	299	297	298	305	317	325	332	340	341	339	323	
6 Q	341	338	339	338	339	339	340	340	339	339	339	338	333	323	313	308	307	317	328	335	339	341	343	345	333	
7	345	345	343	344	344	346	346	347	348	348	346	344	343	334	324	318	319	326	333	341	348	351	354	357	342	
8	353	351	350	348	349	348	350	351	353	355	358	361	358	351	338	325	314	310	314	318	325	320	321	316	339	
9 D	318	305	297	302	317	336	320	250	297	241	312	333	338	315	295	282	269	285	300	311	319	320	321	313	304	
10	317	315	329	323	316	315	318	324	323	325	327	329	328	319	312	308	308	308	318	324	329	329	329	331	321	
11 D	334	330	329	304	293	313	301	322	329	332	339	336	321	331	314	305	305	306	308	315	329	337	340	337	321	
12 D	319	330	318	324	318	329	322	329	331	319	326	338	331	326	315	309	305	310	324	315	318	336	331	328	323	
13	331	335	334	331	328	327	326	330	334	340	341	339	331	324	312	308	301	307	319	331	336	332	334	325	327	
14	336	338	334	333	333	331	332	335	333	335	338	343	341	333	326	322	316	315	324	334	336	334	339	338	332	
15	336	332	329	331	326	324	323	333	336	339	338	336	339	336	332	336	331	324	328	336	343	346	346	341	334	
16 D	338	339	339	336	333	336	336	333	334	339	340	336	336	327	326	320	315	315	313	329	336	344	314	321	330	
17	317	334	334	331	326	328	329	334	331	326	334	328	319	324	316	311	309	315	326	336	342	343	346	346	329	
18	346	344	341	339	340	341	339	340	340	339	339	340	339	333	321	315	317	325	332	340	345	346	345	346	337	
19	345	345	344	344	343	343	343	344	345	347	348	344	336	326	326	326	326	334	343	344	346	344	346	344	341	
20	344	344	342	340	344	339	336	339	339	339	339	339	336	329	321	318	318	326	333	342	344	346	345	344	336	
21	344	343	343	343	340	338	338	339	342	344	345	344	343	337	327	325	326	333	343	348	351	346	342	338	340	
22	335	335	327	340	339	338	338	339	340	343	341	340	335	328	322	324	329	338	345	346	344	345	344	344	338	
23	343	344	342	341	340	338	338	338	339	339	341	341	333	330	323	315	314	315	323	333	341	341	343	343	335	
24 Q	342	340	338	335	332	328	333	334	338	339	340	340	333	328	323	319	321	323	330	337	338	338	339	339	333	
25	343	344	344	344	342	342	343	345	345	345	348	348	344	335	328	323	325	328	332	343	340	341	343	342	340	
26 Q	343	341	339	339	339	339	338	338	339	340	341	340	338	330	320	318	317	322	330	335	341	344	348	347	336	
27	345	345	343	344	342	339	338	342	343	345	346	345	343	338	332	328	328	332	339	346	350	361	363	358	343	
28	353	350	347	344	343	343	345	348	350	353	353	350	348	345	343	343	342	343	346	349	353	350	345	344	347	
29 D	347	348	343	343	343	335	335	334	331	333	343	343	338	325	317	321	325	323	326	325	322	332	340	343	334	
30	332	327	332	334	334	334	337	337	337	338	340	337	338	332	323	316	317	322	327	332	337	338	339	341	332	
31																										
Mean	338	338	335	334	334	334	334	334	337	335	340	340	336	328	320	316	315	320	327	333	338	340	340	339	333	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt

D = 7° W + . . . '

November 1945

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	27.5	26.7	26.6	26.5	26.2	26.6	25.4	25.0	25.0	25.1	25.7	25.2	24.6	24.2	25.1	27.0	28.9	30.2	30.6	30.1	29.1	29.1	29.1	28.1	27.0	
2 Q	27.8	26.7	26.3	26.3	26.6	26.7	26.7	26.2	26.0	25.8	25.6	25.4	24.8	24.0	24.7	27.3	29.9	31.8	32.1	31.3	29.9	29.0	28.1	27.6	27.3	
3	27.0	26.8	26.5	26.6	26.3	26.0	26.4	26.6	25.6	25.0	25.1	24.6	23.8	24.2	25.0	27.5	30.4	31.6	31.6	29.9	28.1	27.9	27.7	27.2	27.0	
4	26.0	26.0	26.0	26.0	26.5	26.6	26.4	25.8	25.7	25.4	24.9	24.2	23.2	20.1	22.5	26.8	28.7	30.2	31.4	31.5	30.6	29.4	29.7	29.7	26.8	
5	29.4	26.0	20.0	24.5	25.8	26.0	26.5	25.4	26.0	25.3	26.0	29.5	27.0	23.7	24.3	26.2	29.1	31.2	31.9	31.2	29.3	28.1	27.4	26.9	27.3	
6 Q	26.6	26.5	26.8	26.4	26.6	26.6	26.8	27.1	26.8	26.8	26.0	25.7	24.7	23.9	24.1	26.2	29.2	30.3	31.5	30.6	29.1	27.9	27.1	26.7	27.1	
7	26.0	26.3	26.4	26.3	26.2	27.0	27.6	26.7	26.0	25.6	25.3	25.0	24.5	23.3	23.5	24.6	28.2	30.6	32.1	31.3	29.4	27.9	27.1	26.0	26.8	
8	26.0	25.6	25.7	25.8	25.8	26.1	26.0	25.5	26.0	25.7	25.4	24.6	22.7	23.0	22.0	25.3	28.8	32.8	35.7	36.2	35.1	31.0	29.7	27.9	27.4	
9 D	27.0	25.1	13.0	20.7	25.5	27.8	31.8	25.9	21.5	44.9	32.7	32.7	24.5	21.8	24.9	29.4	34.0	35.8	35.8	34.4	30.3	29.9	28.4	22.0	28.3	
10	21.5	25.8	16.6	25.6	24.6	30.2	35.0	25.2	25.2	26.8	25.4	24.5	24.3	22.4	23.3	25.1	28.3	30.1	31.1	30.6	29.7	28.5	27.9	25.9	26.4	
11 D	25.9	26.0	22.8	20.0	23.0	24.8	21.5	34.2	25.0	28.2	28.8	31.4	33.0	34.8	29.3	30.3	31.5	32.4	33.6	33.4	31.1	28.8	27.4	26.1	28.5	
12 D	26.2	17.2	23.2	24.2	23.3	31.1	26.0	26.6	28.4	28.5	31.5	25.2	23.5	23.4	23.7	26.5	28.1	29.8	31.6	31.7	28.3	29.8	28.0	26.6	26.8	
13	25.1	22.7	25.8	25.9	24.4	34.8	24.2	29.0	32.7	27.5	25.6	25.0	25.3	26.7	26.7	29.0	32.6	34.9	33.0	31.6	31.5	30.6	29.1	26.0	28.0	
14	24.6	26.1	25.4	26.7	27.6	27.8	27.6	27.8	28.0	28.0	27.7	26.4	24.7	25.5	26.1	27.3	30.7	33.2	34.3	33.1	31.3	29.8	28.0	26.8	28.2	
15	25.7	25.5	24.7	25.8	25.8	26.4	29.6	29.6	25.8	25.5	23.5	26.4	24.6	22.9	23.3	25.9	27.2	29.7	33.7	32.8	30.3	29.5	28.0	27.6	27.1	
16 D	27.1	26.3	26.8	27.2	25.2	24.9	26.4	25.4	25.5	26.1	24.5	27.7	27.8	28.0	26.5	26.4	30.0	33.2	33.2	31.7	30.2	29.3	21.5	24.9	27.3	
17	27.1	22.7	25.5	26.1	25.5	26.8	27.0	25.4	22.8	22.1	23.5	23.8	26.7	23.9	25.0	26.7	29.2	30.0	30.9	30.1	29.2	27.8	27.2	26.5	26.3	
18	26.3	26.3	26.4	26.6	25.7	28.0	27.4	26.6	25.5	24.9	25.5	25.5	24.0	23.1	22.7	25.2	28.0	29.5	30.0	28.8	27.6	27.2	26.8	26.7	26.4	
19	26.1	25.8	25.9	26.5	26.6	26.7	26.4	26.3	26.2	25.8	25.7	25.4	24.6	24.7	25.5	28.3	29.8	30.4	30.7	30.1	28.2	28.1	27.3	26.7	27.0	
20	26.4	26.3	26.2	26.2	28.1	27.7	27.2	26.5	26.1	26.0	24.8	24.2	23.6	23.6	24.6	26.8	29.1	30.7	31.5	30.2	28.3	27.5	27.2	26.3	26.9	
21	26.0	25.9	25.5	25.6	26.4	26.8	26.3	26.3	26.6	25.9	25.0	24.2	23.8	22.6	23.2	25.7	28.6	30.4	31.3	30.4	28.6	27.4	27.5	26.9	26.5	
22	25.9	25.9	21.9	24.1	26.3	26.3	26.8	26.6	26.4	25.6	25.5	25.1	24.8	24.1	24.2	25.8	27.9	28.5	29.0	29.1	28.3	27.5	27.1	26.4	26.2	
23	25.9	25.4	25.5	25.6	25.9	26.2	25.4	25.7	25.7	24.8	24.5	24.1	23.7	23.2	23.6	25.9	28.3	30.8	31.6	30.6	28.8	27.9	26.5	26.2	26.3	
24 Q	25.8	25.7	26.0	26.2	26.5	26.0	26.4	26.5	26.4	26.3	26.3	24.6	23.0	22.9	23.4	25.9	28.0	29.4	30.3	29.8	28.8	28.4	27.5	27.0	26.5	
25	26.3	26.2	25.8	26.1	26.4	27.0	27.1	27.3	26.6	26.8	25.3	24.8	24.1	23.5	25.3	26.7	29.8	31.1	30.6	30.3	30.3	29.1	27.3	26.6	27.1	
26 Q	26.0	25.6	25.6	25.6	25.8	25.5	25.7	26.7	26.5	25.7	25.6	25.1	24.3	23.7	25.2	26.6	29.3	30.7	30.9	30.2	29.4	28.7	28.0	27.1	26.8	
27	26.1	25.5	25.3	25.3	24.7	26.3	25.4	25.6	25.3	25.1	25.0	24.6	24.4	23.9	24.5	26.5	28.4	29.2	29.4	28.6	28.2	28.1	27.2	26.3	26.2	
28	26.2	25.5	25.4	25.5	25.6	25.2	25.6	25.7	25.4	25.4	25.4	25.4	25.0	24.4	24.6	26.2	28.1	28.8	29.4	29.2	28.5	28.5	28.5	27.4	26.4	
29 D	26.4	24.9	25.0	24.4	24.7	24.8	26.7	25.7	29.2	31.4	25.0	23.7	24.4	24.7	25.7	27.1	29.3	30.5	31.2	31.7	32.6	30.3	28.5	27.3	27.3	
30	27.1	26.7	25.4	24.3	27.2	27.4	27.6	27.0	26.6	27.6	26.3	25.4	24.4	24.0	24.0	25.8	28.4	29.7	29.4	28.5	27.7	28.1	27.6	26.7	26.8	
31																										
Mean	26.2	25.4	24.6	25.4	25.8	27.0	26.8	26.6	26.1	26.8	25.9	25.6	24.8	24.1	24.5	26.7	29.2	30.9	31.6	31.0	29.6	28.7	27.6	26.7	27.0	

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

Table 43 Agincourt

z = 56,000 γ +

November 1945

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	416	416	416	416	416	414	412	412	412	413	413	413	412	408	405	405	405	405	408	411	414	414	415	416	412	
2 Q	417	417	415	415	413	413	412	412	412	412	411	411	412	410	409	405	402	404	408	411	414	413	413	414	412	
3	410	411	410	410	410	409	408	410	413	413	413	411	410	410	410	408	404	408	410	411	412	410	410	410	410	
4	411	411	411	411	411	410	410	409	409	409	409	409	409	405	401	400	397	400	403	409	411	409	414	421	409	
5	440	448	422	428	423	422	418	416	415	414	411	406	409	409	406	404	406	414	416	420	420	417	415	414	417	
6 Q	411	412	411	412	410	411	410	410	409	409	409	410	410	410	410	408	409	410	411	414	415	414	413	414	411	
7	413	412	412	412	411	410	411	411	411	410	411	411	410	408	405	404	401	406	412	415	416	415	412	411	411	
8	411	411	411	411	410	411	411	410	410	410	407	408	410	405	402	399	398	407	418	428	442	455	442	440	415	
9 D	440	443	407	417	418	384	289	266	312	234	270	321	384	410	416	419	425	438	435	445	446	437	436	441	389	
10	431	435	411	393	411	393	358	375	399	403	408	417	418	418	416	411	414	416	418	420	423	423	419	421	411	
11 D	418	418	406	399	390	369	349	346	382	382	384	387	401	405	405	416	419	422	426	431	428	424	419	419	402	
12 D	420	408	413	413	411	364	382	399	411	400	408	412	412	412	415	416	419	421	424	425	440	432	429	426	413	
13	424	417	417	415	402	372	385	399	405	411	417	416	416	416	421	421	418	421	425	425	428	425	428	425	415	
14	427	424	420	419	418	416	415	415	417	414	406	406	406	408	407	406	409	415	418	418	422	422	418	418	415	
15	419	419	422	422	419	415	409	394	409	413	412	413	412	410	407	403	400	406	413	412	417	417	418	417	412	
16 D	417	418	420	420	419	419	417	414	413	412	406	406	406	406	411	409	407	412	417	421	424	425	429	425	416	
17	430	418	419	419	419	417	412	406	403	401	406	404	415	413	407	404	411	413	416	418	418	417	415	414	413	
18	413	412	412	412	413	412	415	416	413	412	413	413	413	413	412	412	413	415	419	420	418	415	416	413	414	
19	413	412	412	412	412	412	412	412	412	412	412	412	412	412	409	409	412	414	417	419	418	415	414	414	413	
20	413	412	412	412	407	406	412	414	413	413	412	412	412	410	409	409	409	410	412	417	417	414	414	414	412	
21	412	412	412	412	410	410	409	409	410	411	411	411	412	410	407	403	403	403	403	407	409	412	413	413	409	
22	415	419	419	416	415	414	414	414	414	414	413	413	414	413	410	406	406	407	408	410	413	414	414	413	413	
23	413	413	413	412	413	413	413	410	412	413	413	413	413	413	411	404	405	408	418	418	416	416	414	413	413	
24 Q	413	413	413	414	414	415	416	414	415	414	414	413	414	415	413	409	408	410	411	414	414	414	414	413	413	
25	413	413	413	412	412	412	415	415	415	415	409	409	411	410	408	406	404	407	413	415	415	415	414	413	411	
26 Q	412	413	412	412	412	411	411	411	413	413	412	411	412	413	410	405	405	407	411	414	417	417	415	414	412	
27	412	413	413	413	412	413	414	414	413	413	411	410	410	407	404	404	407	408	413	414	412	413	407	407	411	
28	408	408	409	410	410	413	413	413	413	410	410	409	408	408	407	404	405	404	405	408	410	412	411	410	413	409
29 D	412	411	414	414	413	413	414	406	406	391	395	402	407	405	404	398	402	404	412	416	421	422	420	416	409	
30	417	416	416	412	414	415	415	415	414	414	413	413	412	412	407	406	411	414	417	418	418	418	416	415	414	
31																										
Mean	417	416	413	413	412	406	402	402	406	403	404	406	410	410	408	407	408	411	413	417	419	419	418	417	411	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt

November 1945

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 Q	00 25	346	14 50	314	32	18 37	30.9	12 51	23.8	07.1	02 15	419	15 08	402	17
2 Q	23 06	344	17 18	309	35	19 12	32.5	13 52	23.8	08.7	00 20	420	16 14	402	18
3	09 42	344	14 50	310	34	17 57	32.4	12 05	23.8	08.6	07 55	414	16 25	403	11
4	22 32	355	15 00	308	47	19 15	32.1	13 09	18.8	13.3	23 59	428	16 43	394	34
5	11 47	343	15 05	292	51	00 42	32.4	02 05	10.0	22.4	01 08	453	15 07	403	50
6 Q	23 47	345	16 05	303	42	18 33	32.4	13 43	23.3	09.1	20 42	415	15 15	408	7
7	21 37	358	15 35	314	44	18 05	32.8	13 25	23.0	09.8	20 20	417	16 30	399	18
8	11 48	362	17 30	306	56	19 00	37.3	14 31	20.0	17.3	21 07	464	15 43	394	70
9 D	05 47	357	07 33	162	195	09 29	56.1	02 25	10.0	46.1	20 04	454	07 19	168	286
10	02 57	351	17 10	305	46	06 15	42.4	02 45	11.8	30.6	01 08	437	06 27	346	91
11 D	10 47	343	04 23	284	59	07 13	45.3	03 23	18.1	27.2	19 15	434	07 30	318	116
12 D	05 17	363	20 02	291	72	05 50	44.2	01 10	09.9	34.3	20 30	442	05 55	346	96
13	20 02	348	16 50	299	49	05 33	36.6	01 45	19.5	17.1	20 10	431	05 42	359	72
14	11 36	346	17 57	313	33	18 20	34.9	00 02	22.7	12.2	00 09	430	14 23	376	54
15	22 22	350	15 03	315	35	07 00	39.1	13 08	22.0	17.1	03 05	423	07 26	388	35
16 D	21 14	346	18 26	305	41	17 57	35.4	22 48	15.4	20.0	22 45	430	12 08	401	29
17	23 58	348	16 30	306	42	18 45	31.5	01 31	15.8	15.7	01 01	433	09 03	400	33
18	05 00	350	15 25	312	38	18 23	30.3	13 38	21.3	09.0	20 10	421	05 15	407	14
19	22 35	349	13 55	322	27	18 59	31.5	13 42	23.9	07.6	20 03	419	14 54	406	13
20	04 42	353	16 00	315	38	18 22	32.3	13 41	23.2	09.1	19 25	418	04 55	400	18
21	20 23	358	15 28	322	36	19 00	32.3	13 25	22.2	10.1	23 47	416	17 57	400	16
22	22 35	348	02 38	317	31	19 07	29.6	02 43	17.4	12.2	02 38	424	15 25	406	18
23	01 59	346	16 30	312	34	18 08	32.5	13 03	22.9	09.6	18 55	420	15 40	401	19
24 Q	10 57	343	15 00	316	27	18 02	30.4	13 27	22.5	07.9	22 20	416	16 18	407	9
25	20 15	349	15 45	320	29	17 33	31.5	13 23	22.3	09.2	20 15	417	16 04	404	13
26 Q	23 03	348	16 09	314	34	17 50	31.2	13 42	23.3	07.9	21 50	418	15 55	404	14
27	21 53	374	15 35	325	49	18 36	30.0	04 47	22.8	07.2	20 06	414	15 15	402	12
28	21 03	357	17 00	338	19	22 06	30.3	05 23	23.5	06.8	20 36	415	14 39	402	13
29 D	01 55	350	19 52	315	35	20 22	34.0	11 36	22.6	11.4	21 10	424	09 42	387	37
30	21 07	341	15 30	314	27	18 00	30.1	03 11	21.7	08.4	21 10	419	15 00	404	15
31															
Mean		351		306	45		34.5		20.1	14.4		426		384	42
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 1945

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	341	338	334	338	338	339	339	339	340	342	342	342	340	338	332	332	334	339	339	340	340	342	342	343	339
2	343	343	340	337	339	343	342	344	345	347	348	347	347	337	331	324	322	324	332	340	345	347	338	327	339
3 Q	337	342	343	339	338	338	338	338	339	340	342	339	339	334	326	316	311	317	323	334	339	344	344	342	335
4 Q	342	342	340	340	339	339	340	342	343	345	347	342	342	332	327	323	324	332	337	343	348	349	349	348	340
5	347	347	344	342	339	337	342	344	344	344	344	347	345	342	337	337	341	349	361	360	344	342	337	329	344
6	322	324	332	339	331	331	334	339	338	342	343	343	332	322	317	316	319	322	327	337	336	331	332	331	331
7	317	327	326	327	327	322	319	321	329	342	343	345	342	334	322	313	310	319	328	341	345	345	341	324	329
8	333	328	327	322	322	327	315	327	324	331	337	337	332	322	305	316	319	322	329	338	342	342	342	340	328
9	331	323	325	337	332	332	334	329	325	338	340	340	337	332	331	316	320	329	336	337	340	342	340	337	332
10	336	339	336	328	338	343	336	333	331	336	332	337	341	336	330	326	322	329	333	340	344	346	343	341	336
11 Q	339	331	331	331	331	333	337	336	338	342	340	336	336	330	323	316	312	315	323	332	337	339	340	338	332
12	338	336	336	336	339	341	339	339	338	338	338	338	333	333	328	323	321	328	337	342	342	343	343	341	336
13	337	335	331	331	336	336	339	340	341	344	346	346	346	344	350	345	330	326	333	341	333	337	342	411	342
14 D	371	362	321	268	248	208	103	021	072	006	-014	129	190	221	252	298	297	305	310	314	316	312	312	310	230
15	306	305	306	302	305	302	310	306	302	305	311	312	307	312	315	312	310	316	315	316	321	320	304	315	310
16	318	321	323	321	318	317	318	318	321	321	321	321	321	320	318	315	315	321	328	340	347	341	333	334	324
17	301	289	298	306	297	300	304	306	310	309	325	327	325	316	312	322	320	318	319	317	320	317	322	320	312
18	321	326	325	325	326	326	328	328	330	331	332	331	331	325	321	316	312	315	318	325	327	333	335	330	326
19	329	327	328	328	328	326	326	326	324	326	328	329	330	328	316	308	305	316	334	338	345	364	355	334	329
20 D	335	341	324	324	315	308	314	313	314	313	323	322	319	313	304	294	314	328	333	328	319	323	331	325	320
21	310	301	318	292	297	298	292	283	283	289	302	309	311	307	302	293	292	302	314	325	333	334	333	328	306
22 Q	328	328	325	324	323	322	322	322	323	325	325	324	323	318	309	303	302	309	318	332	339	343	340	335	323
23	334	333	335	333	328	328	329	334	335	335	335	335	333	327	318	314	307	316	342	348	347	346	340	325	332
24	322	322	322	319	319	318	321	321	324	329	331	333	338	327	337	329	319	317	321	326	333	335	334	331	326
25 D	329	328	328	326	324	325	326	332	334	328	333	323	335	336	317	297	271	267	283	311	322	324	317	314	318
26 D	301	284	288	308	298	279	323	323	320	310	316	329	315	320	307	297	283	285	291	300	315	326	332	326	307
27 D	318	326	321	321	321	336	332	323	321	332	338	328	310	314	321	314	298	297	287	270	318	334	329	324	318
28	319	305	306	313	310	320	331	328	321	328	334	333	331	306	285	291	321	311	310	310	318	316	301	325	316
29	324	326	325	320	335	326	326	320	326	327	322	325	335	332	323	320	309	312	315	318	329	323	325	324	324
30	330	327	321	335	327	325	327	322	329	320	327	337	340	334	327	322	316	317	323	327	333	337	334	330	328
31	323	321	331	324	326	326	326	327	328	333	335	336	340	336	331	330	321	323	326	335	341	347	350	343	332
Mean	328	326	325	323	322	321	319	317	319	319	321	326	327	323	318	315	312	317	323	328	334	336	334	333	324

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt

D = 7° W + . . . '

December 1945

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	26.2	26.1	24.8	25.8	26.6	27.6	27.5	27.3	26.5	25.8	25.4	25.4	24.7	25.0	25.5	27.2	29.2	29.5	29.2	28.3	27.3	27.1	26.6	26.3	26.7
2	26.1	25.6	25.7	25.8	25.4	27.6	27.2	26.7	25.8	25.3	24.8	24.7	24.4	24.1	24.4	26.6	28.9	30.4	30.2	29.1	28.1	27.5	28.5	28.9	26.7
3 Q	27.1	25.9	25.5	25.8	25.8	25.9	26.3	25.9	25.8	25.7	25.6	25.5	25.4	24.6	24.6	25.4	27.7	29.6	30.8	30.0	28.7	27.6	27.3	27.0	26.6
4 Q	26.5	25.9	26.4	26.6	26.6	26.5	26.7	26.5	26.5	25.8	25.7	25.5	25.0	24.8	25.0	26.8	29.0	29.6	29.1	27.9	26.8	26.6	26.5	25.8	26.6
5	25.4	25.4	25.5	26.2	25.8	26.6	28.2	26.8	25.5	25.0	24.6	25.5	25.1	23.7	23.5	25.8	28.6	30.1	30.5	29.5	30.0	30.4	28.9	28.3	26.9
6	26.7	25.5	24.8	26.7	26.7	27.6	27.6	28.6	26.7	24.6	25.1	26.7	27.7	32.3	30.4	31.5	32.8	34.1	33.8	32.3	30.9	28.4	26.8	26.5	28.6
7	25.6	24.6	23.9	24.0	26.6	26.6	25.8	26.9	30.4	26.0	25.1	25.6	24.8	24.6	24.3	26.5	28.8	29.9	30.5	29.5	27.8	26.6	27.1	28.4	26.6
8	29.6	25.6	25.2	25.7	20.6	22.0	27.2	28.5	26.5	24.8	24.2	25.5	25.4	23.7	25.0	26.7	30.1	32.4	33.4	32.1	29.4	26.9	26.0	25.7	26.7
9	26.6	25.1	23.2	26.9	26.4	27.7	27.8	26.6	32.4	29.5	25.1	24.2	24.1	25.5	24.8	27.4	32.3	33.8	32.8	30.6	28.2	27.6	26.8	25.9	27.6
10	25.7	25.6	25.2	22.4	24.3	27.0	27.8	27.0	27.3	28.0	26.6	27.1	25.0	23.0	25.1	29.4	31.3	32.8	31.6	29.8	27.8	26.7	26.0	25.8	27.0
11 Q	26.1	25.9	26.0	25.7	26.7	26.8	27.5	27.6	30.4	26.1	25.2	25.2	24.2	25.0	25.2	27.0	29.2	30.7	31.4	30.4	28.8	27.8	26.7	26.0	27.1
12	25.7	25.7	25.8	25.8	26.0	26.9	26.6	26.5	26.1	25.4	25.7	25.2	25.7	24.2	23.7	25.2	27.8	28.8	29.5	29.4	28.9	27.8	26.6	26.0	26.5
13	26.1	25.4	25.4	26.2	26.2	26.8	26.8	26.4	25.9	25.8	26.0	25.8	24.1	25.3	24.8	23.9	27.5	30.7	34.1	38.2	33.4	34.4	33.9	42.6	28.6
14 D	23.6	30.5	25.8	16.7	15.7	16.2	24.4	15.0	14.1	25.0	26.2	51.0	66.9	46.0	38.5	29.8	28.8	30.3	31.5	30.7	30.5	30.2	29.4	28.6	29.4
15	27.9	27.8	27.8	26.9	26.1	26.9	29.0	26.2	25.7	26.0	27.6	26.8	27.9	26.0	25.8	26.8	28.9	30.7	31.6	30.7	30.9	30.4	30.7	27.3	27.9
16	27.1	24.3	27.1	27.9	27.6	27.6	27.9	27.0	27.0	27.0	27.0	27.0	26.7	26.1	25.2	25.4	27.1	28.4	27.9	27.0	27.6	26.7	26.6	26.8	26.9
17	25.3	19.7	25.1	28.2	27.9	30.5	27.3	28.0	29.0	32.2	28.1	26.5	28.8	30.6	35.1	37.3	34.4	32.7	31.2	30.8	29.5	28.6	28.1	28.0	29.3
18	27.2	26.9	26.8	26.9	27.2	27.5	27.5	26.9	26.9	26.2	25.5	25.3	25.1	25.4	24.9	27.2	30.0	31.8	31.3	29.7	29.3	27.9	26.9	26.0	27.3
19	26.2	26.1	26.7	26.9	26.9	26.9	27.7	28.0	27.1	23.3	24.9	25.1	25.1	25.1	25.9	28.5	30.7	31.5	30.9	30.6	28.1	25.8	31.8	26.9	27.4
20 D	29.6	27.0	17.7	28.6	25.9	26.4	35.2	25.2	23.5	23.4	21.8	21.9	22.2	22.9	25.5	29.2	33.7	35.2	35.1	35.1	37.2	33.0	29.0	28.9	28.1
21	28.7	25.9	15.9	26.8	23.3	26.9	28.1	27.8	21.9	19.7	22.3	25.5	23.6	24.1	23.7	26.1	29.1	31.4	31.1	29.8	28.0	27.0	27.0	26.1	25.8
22 Q	25.2	26.0	26.1	26.4	26.9	26.5	26.5	26.3	25.9	26.0	26.0	25.6	25.4	25.1	25.0	26.8	30.1	31.6	31.6	29.8	28.5	27.2	26.3	26.1	27.0
23	25.6	24.8	25.6	26.0	26.2	26.2	26.3	26.6	25.7	25.6	25.1	24.7	24.7	24.3	23.3	25.7	27.3	30.6	31.5	30.8	33.5	29.5	28.3	25.1	26.8
24	23.3	23.1	24.1	25.3	25.6	25.3	26.2	26.4	25.6	24.6	25.1	27.0	30.8	33.3	32.2	30.0	30.7	31.5	31.3	30.2	27.8	26.2	25.5	25.1	27.3
25 D	25.1	24.7	25.1	25.7	26.6	27.2	27.7	27.3	26.1	26.4	26.5	28.4	24.8	23.2	23.8	25.6	34.0	36.4	38.1	34.1	30.2	29.0	27.8	24.8	27.9
26 D	23.7	13.5	14.9	24.4	25.0	38.1	32.9	26.5	25.7	29.2	34.3	34.2	31.1	29.0	23.3	27.1	29.1	31.4	32.6	32.0	29.5	28.3	26.5	26.2	27.9
27 D	25.6	23.0	22.0	22.1	28.2	30.3	30.2	28.0	30.9	29.3	28.2	27.5	39.4	36.3	27.5	26.6	31.2	30.7	33.9	34.6	30.3	30.8	28.8	26.1	29.3
28	25.1	22.3	22.1	27.2	28.2	30.0	28.5	28.5	31.5	27.2	26.7	29.1	27.5	30.0	37.2	36.2	32.1	30.5	30.9	29.3	28.7	28.8	22.3	26.8	28.6
29	26.6	26.3	25.8	22.2	16.5	28.1	27.8	31.7	31.5	27.5	29.4	30.3	29.3	27.9	25.4	25.1	28.4	29.5	29.3	28.4	27.8	28.8	27.5	26.2	27.4
30	22.2	25.8	25.7	24.9	27.9	27.3	28.5	27.8	28.3	28.2	29.4	29.4	28.4	26.7	25.8	26.7	28.3	29.4	29.7	29.8	29.2	28.3	27.4	27.1	27.5
31	27.0	25.8	26.4	25.0	24.3	27.5	28.5	31.3	27.1	25.8	24.6	26.2	25.5	24.9	24.9	26.4	27.5	29.7	29.8	29.4	28.9	27.9	26.7	26.2	27.0
Mean	26.0	24.9	24.4	25.5	25.4	27.1	27.8	26.9	26.7	26.1	26.0	27.1	27.7	26.8	26.4	27.6	29.8	31.1	31.4	30.6	29.3	28.3	27.5	27.1	27.4

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

Table 47 Agincourt

z = 56,000 γ +

December 1945

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	414	414	413	412	413	413	414	413	413	413	413	411	411	408	408	407	408	411	413	417	415	413	413	413	413	412
2	412	412	411	411	411	412	411	413	411	411	411	409	409	406	405	408	409	411	416	418	418	415	414	418	418	412
3 Q	417	416	414	414	412	412	412	412	412	412	412	411	411	411	408	405	408	410	417	419	417	416	445	415	413	413
4 Q	413	414	413	412	411	411	411	412	412	412	413	412	412	410	409	409	409	409	411	414	414	411	411	411	411	412
5	411	410	410	411	411	409	409	409	411	411	411	411	409	408	409	408	406	408	410	410	412	415	419	421	411	411
6	423	419	417	414	414	415	415	408	409	408	413	412	412	408	412	415	418	420	421	422	424	421	420	421	416	416
7	426	428	423	423	422	419	415	411	417	416	419	416	418	416	414	413	416	420	422	422	419	417	418	424	419	419
8	431	425	422	420	409	383	398	408	414	420	416	416	419	414	415	418	416	419	424	425	421	420	420	418	416	416
9	420	426	424	417	414	415	417	411	414	408	408	409	413	415	417	414	414	414	420	421	422	422	419	419	416	416
10	419	419	418	418	416	405	413	414	414	414	413	414	414	411	405	408	414	416	418	419	415	415	414	414	414	414
11 Q	414	414	414	414	414	414	414	414	414	410	410	414	414	413	410	408	411	414	420	422	420	419	417	417	417	414
12	416	416	416	416	416	416	417	416	415	415	414	413	412	412	410	409	409	415	420	420	419	419	418	418	418	415
13	417	416	416	416	416	415	415	415	415	415	415	415	415	413	410	403	400	406	411	421	444	461	508	611	429	429
14 D	589	569	583	500	462	403	276	285	236	212	244	234	286	323	406	436	439	436	434	435	432	430	433	433	433	396
15	434	434	434	438	434	433	409	420	423	426	430	430	430	428	426	420	421	428	432	430	432	436	434	435	429	429
16	433	432	428	429	429	430	430	428	428	428	427	426	426	426	422	420	417	420	422	424	422	424	424	426	426	426
17	433	460	443	433	422	405	415	419	423	414	411	419	420	420	420	414	411	418	421	427	431	431	432	432	424	424
18	430	427	425	424	424	424	424	424	424	424	423	424	423	421	418	419	423	426	429	430	426	426	425	425	425	425
19	423	423	422	423	423	423	422	417	414	413	419	419	420	420	419	419	422	425	428	425	418	417	432	495	424	424
20 D	454	456	450	430	426	426	415	424	427	420	415	410	414	416	414	413	416	418	423	429	440	444	450	453	429	429
21	458	467	433	386	405	398	390	372	378	399	413	409	421	425	422	418	415	418	423	425	422	420	420	420	415	415
22 Q	418	417	415	416	417	418	418	417	417	417	417	416	417	418	417	416	414	416	419	423	420	415	413	415	417	417
23	415	414	412	412	412	412	412	412	412	412	412	412	412	412	412	410	407	414	412	415	420	428	422	422	414	414
24	417	416	414	414	416	415	415	414	416	414	412	408	400	403	403	401	398	407	414	416	415	414	409	410	411	411
25 D	408	408	407	407	407	409	409	409	407	404	401	396	400	406	404	402	410	425	426	435	431	437	439	435	413	413
26 D	439	438	433	423	418	400	373	371	407	400	394	374	397	405	409	405	414	421	424	424	427	424	418	417	411	411
27 D	417	410	406	410	404	386	393	403	405	406	403	391	390	402	407	402	403	410	417	423	429	423	419	418	407	407
28	413	417	411	411	391	385	391	402	398	401	397	396	398	402	411	415	408	407	411	415	418	420	423	421	407	407
29	414	409	408	404	399	403	404	400	401	401	400	400	403	397	400	400	400	400	403	407	411	410	407	407	404	404
30	403	402	402	395	396	398	395	394	399	394	396	399	399	400	402	402	402	402	403	405	405	405	402	402	400	400
31	400	402	401	399	392	393	395	391	393	395	393	394	396	393	393	391	387	391	397	398	397	397	396	395	395	395
Mean	427	427	424	418	415	410	405	405	406	405	406	404	407	409	411	410	411	415	418	421	421	422	423	429	414	414

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt

December 1945

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 Q	23 37	344	16 15	329	15	17 05	30.1	02 42	24.3	05.8	19 30	418	14 57	407	11
2	21 23	349	16 48	318	31	17 57	31.0	04 34	22.6	08.4	19 23	419	15 06	405	14
3 Q	21 30	344	16 30	309	35	18 33	30.9	14 03	24.0	06.9	20 00	420	15 47	405	15
4 Q	22 15	349	15 20	323	26	18 08	29.8	14 08	24.8	05.0	00 20	415	16 30	408	7
5	19 02	368	23 59	322	46	21 55	31.4	14 00	23.0	08.4	23 50	422	17 00	406	16
6	19 58	348	15 00	311	37	13 17	35.9	09 33	22.9	13.0	20 00	427	07 50	402	25
7	20 21	349	08 00	308	41	08 10	31.4	00 48	21.5	09.9	23 59	433	08 12	406	27
8	21 43	346	14 20	300	46	18 07	33.9	04 55	16.5	17.4	00 05	434	05 18	376	58
9	21 31	344	15 42	309	35	08 44	35.1	02 10	19.2	15.9	02 05	427	09 45	401	26
10	05 03	354	16 45	321	33	17 32	33.3	03 56	17.2	16.1	00 40	419	05 21	402	17
11 Q	09 52	342	17 00	310	32	18 04	31.9	12 09	24.2	07.7	19 40	422	15 05	408	14
12	21 06	346	16 00	321	25	19 37	29.7	13 52	22.0	07.7	19 07	421	15 33	406	15
13	23 40	453	22 08	308	145	22 58	49.8	12 47	20.4	29.4	23 47	649	16 10	397	252
14 D	00 13	468	08 26	-183	651	12 30	88.7	00 55	-23.2	111.9	00 10	652	10 01	133	519
15	20 52	324	05 31	296	28	22 27	32.4	04 26	23.8	08.6	03 50	439	06 23	402	37
16	19 48	360	16 00	313	47	02 27	28.9	01 42	19.6	09.3	00 12	434	16 30	416	18
17	11 34	330	01 38	282	48	15 07	38.8	01 44	17.1	21.7	01 38	464	05 53	396	68
18	22 10	335	15 58	308	27	17 45	32.5	14 56	23.8	08.7	19 20	432	14 20	417	15
19	22 04	392	23 07	281	111	22 41	39.7	23 18	19.0	20.7	23 18	526	22 17	405	121
20 D	01 10	349	15 12	290	59	06 24	43.3	02 20	11.6	31.7	02 10	481	06 20	392	89
21	02 49	358	03 15	248	110	03 09	73.2	02 30	08.1	65.1	01 18	496	03 03	303	193
22 Q	21 07	344	15 56	299	45	18 15	32.5	00 30	24.8	07.7	19 40	423	16 43	412	11
23	21 24	373	17 00	294	79	20 38	35.8	21 55	22.4	13.4	21 18	438	16 47	405	33
24	12 13	356	15 03	288	68	11 58	39.3	01 45	21.7	17.6	06 24	418	15 07	385	33
25 D	13 41	354	17 42	247	107	18 22	42.6	13 15	19.9	22.7	19 10	446	12 00	383	63
26 D	11 20	344	01 45	261	83	05 47	46.0	01 48	04.4	41.6	01 05	450	06 20	332	118
27 D	05 35	346	19 00	242	104	12 32	43.6	02 27	18.1	25.5	19 50	433	05 53	370	63
28	10 23	342	15 15	272	70	15 00	40.9	01 10	17.2	23.7	22 45	426	05 08	378	48
29	04 33	361	16 41	306	55	08 26	35.1	04 22	06.3	28.8	00 07	415	04 52	388	27
30	03 48	343	17 00	312	31	19 05	30.5	00 11	17.3	13.2	00 10	407	03 52	388	19
31	21 57	353	16 35	317	36	07 20	36.7	04 08	20.1	16.6	02 28	402	16 15	384	18
Mean		357		283	74		38.5		17.9	20.6		449		385	64
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 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
HORIZONTAL INTENSITY (gammas) (All Days)																								
1945																								
Table 49 Agincourt																								
January	+1	0	+2	+1	-2	+2	0	-1	0	+3	+5	+7	+6	+3	-4	-13	-14	-10	-5	-1	+3	+7	+6	+4
February	-1	-2	-1	-1	+1	+1	+2	+3	+2	+2	+6	+8	+6	+2	-5	-13	-15	-13	-8	-1	+3	+6	+6	+4
March	0	-1	+2	0	+3	+4	+4	0	+2	+3	+4	+4	+4	-5	-15	-20	-17	-11	-4	+7	+15	+12	+10	+5
April	+2	+2	0	+2	+4	+4	+1	-2	-4	-2	+1	0	-5	-11	-22	-25	-19	-10	+3	+13	+21	+18	+13	+7
May	+4	0	0	-1	-1	-4	-2	0	0	-1	-1	-4	-7	-13	-20	-21	-10	+3	+12	+17	+17	+14	+8	+5
June	+6	+4	+3	0	-2	0	+1	+1	+1	0	-1	-1	-5	-13	-18	-23	-16	-4	+7	+14	+17	+17	+13	+11
July	+8	+5	+1	+1	+2	+1	-2	-6	-7	-5	-3	-4	-9	-16	-20	-22	-15	-5	+7	+15	+17	+20	+15	+14
August	+6	+5	0	-1	+3	+4	+3	+2	0	0	0	-2	-9	-21	-31	-27	-17	-7	+5	+12	+18	+19	+18	+14
September	+8	+5	+6	+6	+5	+5	+9	+7	+7	+5	+5	+2	-5	-17	-27	-31	-27	-15	-2	+8	+15	+16	+12	+9
October	+7	+8	+4	+2	+4	+4	+6	+5	+5	+5	+4	+4	-1	-14	-20	-21	-19	-14	-5	+2	+8	+9	+8	+8
November	+5	+5	+2	+1	+1	+1	+1	+1	+4	+2	+7	+7	+3	-5	-13	-17	-18	-13	-6	0	+5	+7	+7	+6
December	+4	+2	+1	-1	-2	-3	-5	-7	-5	-5	-3	+2	+3	-1	-6	-9	-12	-7	-1	+4	+11	+12	+10	+9
Year	+4.2	+2.8	+1.7	+0.8	+1.3	+1.6	+1.5	+0.2	+0.4	+0.6	+2.0	+1.9	-1.6	-9.2	-16.8	-20.2	-16.6	-8.8	+0.2	+7.5	+12.5	+13.1	+10.5	+8.0
Winter	+2.2	+1.2	+1.0	0.0	-0.5	+0.2	-0.5	-1.0	+0.2	+0.5	+3.8	+6.0	+4.5	-0.2	-7.0	-13.0	-14.8	-10.8	-5.0	+0.5	+5.5	+8.0	+7.2	+5.8
Equinox	+4.2	+3.5	+3.0	+2.5	+4.0	+4.2	+5.0	+2.5	+2.5	+2.8	+3.5	+2.5	-1.8	-11.8	-21.0	-24.2	-20.5	-12.5	-2.0	+7.5	+14.8	+13.8	+10.8	+7.2
Summer	+6.0	+3.5	+1.0	-0.2	+0.5	+0.2	0.0	-0.8	-1.5	-1.5	-1.2	-2.8	-7.5	-15.8	-22.2	-23.2	-14.5	-3.2	+7.8	+14.5	+17.2	+17.5	+13.5	+11.0
DECLINATION (minutes) (All Days)																								
1945																								
Table 50 Agincourt																								
January	+1.5	+2.0	+2.2	+1.7	+1.6	+0.1	+0.1	+0.3	+0.9	+1.1	+0.1	+1.1	+1.6	+2.7	+1.8	-0.7	-2.3	-3.1	-3.9	-3.5	-2.5	-1.2	-0.6	+0.1
February	+1.4	+1.3	+1.7	+1.8	+1.6	+1.3	+0.5	-0.1	0.0	-0.8	+0.5	+1.5	+2.0	+3.0	+3.3	+1.3	-1.4	-3.0	-4.4	-4.4	-3.6	-2.2	-1.3	0.0
March	+2.2	+2.6	+2.8	+2.5	+2.1	+1.6	+0.6	+0.3	+0.1	+0.5	+1.0	+1.1	+3.8	+3.5	+1.8	-1.3	-3.9	-5.1	-5.9	-4.9	-3.2	-2.1	+0.2	+0.5
April	+1.3	+2.6	+2.9	+1.7	+0.7	+1.1	-0.2	0.0	+1.7	+1.7	+3.3	+4.2	+4.1	+3.8	+2.3	-2.0	-4.8	-6.2	-6.8	-5.8	-3.8	-2.0	0.0	+0.6
May	+0.3	+0.6	+0.5	+1.3	+0.9	+0.9	+0.6	+0.6	+1.3	+2.1	+4.3	+5.4	+6.0	+4.4	+1.6	-1.9	-4.7	-5.7	-6.1	-5.2	-3.9	-2.2	-0.9	+0.1
June	+0.1	+0.3	+0.7	+1.2	+1.0	+0.4	-0.1	-0.4	+0.6	+1.3	+3.5	+5.7	+6.5	+5.6	+3.2	-0.2	-3.9	-5.6	-6.3	-5.8	-4.4	-2.8	-1.1	0.0
July	+0.3	+0.1	+0.2	+0.3	+0.8	+1.0	+1.3	-0.2	+1.2	+1.3	+3.7	+5.8	+6.1	+4.9	+3.2	+0.1	-2.8	-4.9	-5.8	-5.8	-4.8	-3.3	-2.1	-1.1
August	0.0	+0.5	+0.8	+0.9	+1.0	+0.9	+0.4	+1.2	+1.4	+2.2	+3.7	+6.4	+7.6	+6.5	+2.7	-1.4	-5.6	-7.4	-7.6	-6.6	-4.6	-2.4	-0.7	+0.1
September	+1.1	+1.4	+1.8	+0.9	+0.5	+0.2	+0.9	+0.9	+1.6	+1.6	+2.5	+3.7	+5.7	+5.6	+3.0	-0.7	-4.6	-7.1	-7.1	-5.8	-3.4	-1.4	-0.4	-0.5
October	+1.0	+1.3	+1.5	+1.1	+1.0	+0.7	+0.7	+1.1	+1.3	+2.1	+2.5	+1.7	+3.7	+4.2	+1.8	-1.0	-4.0	-5.4	-5.6	-4.9	-3.2	-1.8	-0.9	+0.4
November	+0.8	+1.6	+2.4	+1.6	+1.2	0.0	+0.2	+0.4	+0.9	+0.2	+1.1	+1.4	+2.2	+2.9	+2.5	+0.3	-2.2	-3.9	-4.6	-4.0	-2.6	-1.7	-0.6	+0.3
December	+1.4	+2.5	+3.0	+1.9	+2.0	+0.3	-0.4	+0.5	+0.7	+1.3	+1.4	+0.3	-0.3	+0.6	+1.0	-0.2	-2.4	-3.7	-4.0	-3.2	-1.9	-0.9	-0.1	+0.3
Year	+1.0	+1.4	+1.7	+1.4	+1.2	+0.7	+0.4	+0.3	+1.0	+1.2	+2.3	+3.2	+4.1	+4.0	+2.4	-0.6	-3.6	-5.1	-5.7	-5.0	-3.5	-2.0	-0.7	+0.1
Winter	+1.3	+1.8	+2.3	+1.8	+1.6	+0.4	+0.1	+0.3	+0.6	+0.4	+0.8	+1.1	+1.4	+2.3	+2.2	+0.2	-2.1	-3.4	-4.2	-3.8	-2.6	-1.5	-0.6	+0.2
Equinox	+1.4	+2.0	+2.2	+1.6	+1.1	+0.9	+0.5	+0.4	+1.2	+1.5	+2.3	+2.7	+4.3	+4.3	+2.2	-1.2	-4.3	-6.0	-6.4	-5.4	-3.4	-1.8	-0.3	+0.2
Summer	+0.2	+0.4	+0.6	+0.9	+0.9	+0.8	+0.6	+0.3	+1.1	+1.7	+3.8	+5.8	+6.6	+5.4	+2.7	-0.8	-4.2	-5.9	-6.4	-5.8	-4.4	-2.7	-1.2	-0.2
VERTICAL INTENSITY (gammas) (All Days)																								
1945																								
Table 51 Agincourt																								
January	+10	+8	+7	+1	+2	-1	-4	-8	-7	-6	-5	-4	-3	-4	-7	-6	-1	+2	+3	+4	+6	+6	+4	+6
February	+5	+7	+5	+3	0	-5	-5	-5	-5	-7	-7	-5	-2	-2	-3	-5	-3	-2	+1	+4	+7	+7	+6	+5
March	+12	+9	+8	+1	0	-6	-10	-17	-16	-14	-13	-11	-7	-7	-6	-4	-1	+2	+7	+11	+15	+17	+18	+16
April	+11	+6	+3	0	-1	-5	-13	-19	-16	-14	-8	-5	-5	-4	-4	-4	-1	+3	+7	+10	+14	+17	+15	+14
May	+10	+8	+5	-1	-6	-8	-10	-9	-6	-3	-2	-1	2	-4	-6	-8	-7	-4	-1	+5	+10	+12	+13	+11
June	+9	+6	+3	-2	-3	-7	-9	-7	-5	-3	-1	-1	0	-2	-3	-5	-5	-5	0	+3	+8	+10	+11	+10
July	+12	+10	+6	-3	-8	-11	-12	-17	-11	-10	-5	-2	-2	-2	-1	-3	-3	-3	-1	+4	+9	+14	+15	+14
August	+6	+5	+4	-6	-12	-3	-5	-6	-5	-6	-3	-2	-3	-5	-5	-3	-1	+3	+7	+9	+10	+8	+7	+7
September	+7	+4	+2	-1	-4	-7	-5	-9	-10	-9	-6	-5	-4	-4	-4	-4	-2	+2	+6	+8	+10	+12	+9	+8
October	+12	+13	+8	+1	-1	-2	-4	-6	-8	-9	-10	-9	-7	-6	-7	-8	-6	-3	+1	+4	+8	+9	+12	+13
November	+6	+5	+2	+2	+1	-5	-9	-9	-5	-8	-7	-5	-1	-1	-3	-4	-3	0	+2	+6	+8	+8	+7	+6
December	+13	+13	+10	+1	+1	-4	-9	-9	-8	-9	-8	-10	-7	-5	-3	-4	-3	+1	+4	+7	+7	+8	+9	+15
Year	+9.4	+7.8	+5.2	-0.1	+1.6	-5.3	-7.9	-10.1	-8.5	-8.2	-6.2	-5.0	-3.6	-3.8	+4.3	-5.0	-3.2	-0.7	+2.8	+6.1	+9.2	+10.8	+10.6	+10.4
Winter	+5.8	+4.2	+6.0	+2.5	+1.0	-3.8	-6.8	-7.8	-6.2	-7.5	-6.8	-6.0	-3.2	-3.0	-4.0	-4.8	-2.5	+0.2	+2.5	+5.2	+7.0	+7.2	+6.5	+8.0
Equinox	+10.0	+8.0	+5.2	+0.2	-1.5	-5.0	-8.0	-12.8	-12.5	-11.5	-9.2	-7.5	-5.8	-5.2	-5.2	-5.0	-2.5	+1.0	+5.2	+8.2	+11.8	+13.8	+13.5	+12.4
Summer	+9.8	+7.8	+4.9	-1.0	-7.2	-7.2	-9.0	-9.8	-6.8	-5.5	-2.8	-1.5	-1.8	-3.2	-3.8	-5.2	-4.5	+3.2	+0.8	+1.8	+9.0	+11.5	+11.8	+10.5

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

Hour 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
HORIZONTAL INTENSITY (gammas) (Quiet Days)																								
Table 52 Agincourt 1945																								
January	+3	+3	+3	+3	+3	+2	+2	+2	+2	+4	+4	+4	+3	-1	-6	-15	-14	-9	-5	-1	+2	+4	+4	+4
February	+7	+4	+1	+1	+1	+5	+4	+4	+5	+6	+6	+6	+7	-1	-7	-15	-19	-17	-11	-4	0	+4	+6	+6
March	+6	+5	+2	+2	+2	+6	+4	+4	+3	+4	+6	+5	-1	-10	-18	-23	-20	-12	-3	+4	+9	+11	+10	+5
April	+4	+6	+3	+2	+3	+4	+4	+3	+3	+3	+1	-4	-15	-25	-26	-18	-8	+2	+10	+14	+13	+11	+7	
May	+2	0	+1	0	+1	+1	+1	0	+1	0	-2	-1	-6	-16	-23	-19	-8	+3	+12	+17	+17	+13	+4	+4
June	+3	+2	+3	-1	-3	-3	-1	-2	0	+1	+1	0	-5	-12	-20	-22	-14	0	+11	+17	+18	+15	+9	+4
July	+10	+6	+7	+5	+4	+5	+4	+4	+3	+3	+3	+1	-6	-18	-29	-31	-20	-9	+1	+9	+13	+12	+13	+11
August	+7	+7	+8	+7	+6	+7	+6	+5	+3	+3	+1	-2	-10	-23	-33	-30	-19	-7	+3	+9	+14	+14	+15	+10
September	+9	+7	+7	+7	+7	+7	+8	+8	+7	+7	+7	+4	-4	-15	-24	-32	-31	-21	-7	+5	+11	+13	+11	+9
October	+9	+7	+7	+8	+7	+6	+7	+7	+7	+7	+5	+2	-5	-14	-22	-25	-23	-16	-8	+1	+6	+8	+10	+10
November	+9	+7	+6	+4	+3	+2	+3	+3	+4	+5	+5	+4	-1	-9	-16	-19	-19	-14	-5	+1	+5	+6	+8	+9
December	+6	+4	+3	+2	+1	+2	+2	+3	+3	+5	+5	+3	+2	-4	-11	-16	-18	-12	-7	+1	+5	+8	+7	+5
Year	+6.2	+4.8	+4.2	+3.3	+2.9	+3.7	+3.7	+3.4	+3.4	+4.0	+3.7	+2.2	-2.5	-11.5	-19.5	-22.8	-18.6	-10.2	-1.4	+5.8	+9.5	+10.1	+9.0	+7.0
Winter	+6.2	+4.5	+3.2	+2.5	+2.0	+2.8	+2.8	+3.0	+3.5	+5.0	+5.0	+4.2	+2.8	-3.8	-10.0	-16.2	-17.5	-13.0	-7.0	-0.8	+3.0	+5.5	+6.2	+6.0
Equinox	+7.0	+6.2	+4.8	+4.8	+4.8	+5.8	+5.8	+5.5	+5.0	+5.2	+5.2	+3.0	-3.5	-13.5	-22.2	-26.5	-23.0	-14.2	-4.0	+5.0	+10.0	+11.2	+10.5	+7.8
Summer	+5.5	+3.8	+4.8	+2.8	+2.0	+2.5	+2.5	+1.8	+1.8	+1.8	+0.8	-0.5	-6.8	-17.2	-26.2	-25.5	-15.2	-3.2	+6.8	+13.0	+15.5	+13.5	+10.2	+7.2

DECLINATION (minutes) (Quiet Days)																								
Table 53 Agincourt 1945																								
January	+0.4	+0.7	+0.7	+0.9	+0.7	0.0	+0.2	+0.5	+0.7	+0.5	+0.7	+0.7	+1.0	+2.3	+2.5	+0.2	-0.9	-1.9	-3.1	-2.8	-1.8	-1.1	-0.9	-0.2
February	+0.2	+0.7	+1.5	+1.7	+1.7	+1.2	+0.3	+0.4	+0.5	+0.5	+0.9	+1.3	+2.1	+3.2	+3.7	+1.5	-1.3	-3.3	-4.3	-4.5	-3.7	-2.5	-1.4	-0.3
March	+0.2	+0.2	+0.8	+0.7	+0.4	+0.6	+0.7	+1.0	+1.4	+0.9	+1.6	+3.0	+4.5	+4.5	+3.3	+0.1	-3.4	-5.1	-5.7	-5.0	-3.4	-1.3	-0.1	0.0
April	+1.2	+0.6	+1.7	+1.3	+0.1	+0.2	+0.2	+0.5	+1.2	+1.7	+3.0	+4.4	+5.3	+4.8	+2.7	-1.7	-4.9	-6.5	-6.9	-5.7	-3.8	-1.4	+0.7	+1.3
May	+1.0	+0.4	+0.9	+1.6	+0.9	+0.8	+1.0	+0.6	+0.7	+2.1	+2.9	+3.4	+3.8	+1.8	+0.7	-3.2	-4.9	-5.6	-5.2	-3.9	-1.8	-0.1	+0.8	+1.5
June	-0.3	-0.5	-0.2	+0.5	+0.7	+0.5	+0.2	+0.5	+0.9	+1.6	+3.3	+4.6	+4.9	+4.1	+1.7	-1.3	-2.7	-4.0	-4.7	-4.4	-3.2	-1.4	-0.5	-0.3
July	-0.1	-0.5	-0.7	-0.5	+0.1	+0.1	+0.1	+0.2	+0.6	+2.5	+4.2	+5.8	+6.5	+6.1	+4.0	+0.9	-2.3	-4.4	-6.2	-6.2	-4.9	-3.3	-1.6	-0.5
August	+0.4	0.0	+0.2	+1.0	+0.9	+0.5	+0.6	+1.5	+1.8	+2.4	+3.8	+5.7	+6.7	+5.8	+2.5	-2.2	-6.0	-7.2	-7.4	-6.0	-3.9	-1.8	-0.2	+0.9
September	-0.5	+0.4	+1.1	0.0	+0.1	+0.3	+0.5	+0.8	+1.0	+0.9	+1.9	+4.2	+5.9	+5.6	+4.0	+1.0	-3.0	-5.9	-6.6	-5.4	-3.4	-1.9	-0.7	-0.5
October	-0.4	0.0	+0.4	-0.1	0.0	+0.2	+0.2	+0.4	+0.9	+1.1	+1.6	+2.6	+4.3	+5.1	+4.3	+0.9	-2.6	-4.4	-4.9	-4.0	-2.4	-1.2	-1.0	-0.8
November	+0.2	+0.7	+0.7	+0.7	+0.6	+0.7	+0.8	+0.7	+0.6	+0.9	+1.1	+1.8	+2.7	+3.2	+2.5	+0.4	-1.8	-3.5	-4.1	-3.4	-2.3	-1.6	-1.0	-0.3
December	+0.8	+1.1	+1.2	+0.9	+0.4	+0.3	0.0	-0.2	-0.1	+1.0	+1.3	+1.4	+1.9	+1.9	+1.7	+0.1	-2.3	-3.5	-3.8	-2.6	-1.4	-0.7	-0.1	+0.3
Year	+0.3	+0.3	+0.7	+0.7	+0.6	+0.4	+0.4	+0.6	+0.8	+1.3	+2.2	+3.2	+4.1	+4.0	+2.8	-0.3	-3.0	-4.6	-5.2	-4.5	-3.0	-1.5	-0.5	+0.1
Winter	+0.4	+0.8	+1.0	+1.0	+0.8	+0.6	+0.3	+0.4	+0.4	+0.7	+1.0	+1.3	+1.9	+2.6	+2.6	+0.6	-1.6	-3.0	-3.8	-3.3	-2.3	-1.5	-0.8	-0.1
Equinox	+0.1	+0.3	+1.0	+0.5	+0.2	+0.3	+0.4	+0.7	+1.1	+1.2	+2.0	+3.6	+5.0	+5.0	+3.6	+0.1	-3.5	-5.5	-6.0	-5.0	-3.2	-1.4	-0.3	0.0
Summer	+0.2	-0.2	0.0	+0.6	+0.6	+0.5	+0.5	+0.7	+1.0	+2.2	+3.6	+4.9	+5.5	+4.4	+2.2	-1.4	-4.0	-5.3	-5.9	-5.1	-3.4	-1.6	-0.4	+0.4

VERTICAL INTENSITY (gammas) (Quiet Days)																								
Table 54 Agincourt 1945																								
January	+1	+2	+1	+1	0	0	0	0	0	0	-1	-1	-1	-1	-5	-3	-2	-2	0	+1	+3	+3	+3	+2
February	+3	+4	+4	+3	+1	-1	-2	-2	0	0	+1	0	-1	-3	-5	-8	-7	-4	-1	+1	+4	+5	+5	+4
March	+3	+1	0	-1	0	-2	-1	-1	-1	-1	-1	0	0	-3	-3	-6	-5	-2	+2	+4	+4	+4	+5	+5
April	+2	+1	0	-1	-1	-3	-4	-3	-2	-1	0	0	-1	-2	-5	-5	-3	-2	+2	+5	+7	+8	+6	+4
May	+5	+4	+3	+1	+1	0	-1	-4	-4	-3	-1	-1	-1	-3	-5	-6	-6	-6	-2	+3	+5	+7	+6	+7
June	+4	+3	+2	-1	-3	-3	-3	-2	0	+1	+2	+1	0	-1	-3	-6	-7	-6	-3	+2	+7	+7	+7	+4
July	+3	+1	0	-1	-2	-3	-3	-3	-2	0	+2	+1	-1	-3	-2	-3	-4	-3	-1	+2	+4	+6	+6	+5
August	+2	+1	0	-3	-4	-4	-5	-4	-2	0	+1	+2	+1	-1	-2	-6	-5	-3	+1	+6	+8	+8	+6	+3
September	+2	+1	0	-1	-1	-1	-1	-2	-3	-3	-1	+1	0	-2	-3	-3	-2	-1	+1	+4	+5	+5	+4	+2
October	+2	+1	+1	+1	+1	+1	0	0	0	-1	0	+1	+1	-1	-5	-9	-7	-4	+1	+3	+5	+3	+2	+2
November	+2	+2	+1	+2	+1	+1	0	0	0	0	0	0	0	-1	-2	-5	-6	-5	-2	+1	+3	+3	+2	+3
December	+1	+1	-1	-1	-1	0	0	0	0	-1	-1	-1	-1	-1	-3	-4	-3	-1	+3	+6	+4	+2	+1	+1
Year	+2.5	+1.8	+0.9	-0.1	-0.7	-1.2	-1.6	-1.8	-1.2	-0.8	0.0	+0.2	-0.3	-1.8	-3.6	-5.3	-4.8	-3.2	+0.1	+3.2	+4.9	+5.1	+4.4	+3.5
Winter	+1.8	+2.2	+1.2	+1.2	+0.2	0.0	-0.5	-0.5	0.0	-0.2	-0.2	-0.5	-0.8	-1.5	-3.8	-5.0	-4.5	-3.0	0.0	+2.2	+3.5	+3.2	+2.8	+2.5
Equinox	+2.2	+1.0	+0.2	-0.5	-0.2	-1.2	-1.2	-1.5	-1.5	-1.5	-0.5	+0.5	0.0	-2.0	-4.0	-5.8	-4.2	-2.2	+1.5	+4.0	+5.2	+5.0	+4.2	+3.2
Summer	+3.5	+2.2	+1.2	-1.0	-2.0	-2.5	-3.0	-3.2	-2.0	-0.5	+1.0	+0.8	-0.2	-2.0	-3.0	-5.2	-5.5	-4.5	-1.2	+3.2	+6.0	+7.0	+6.2	+4.8

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

Table 1 Agincourt

H = 15,000 γ +

January 1946

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	338	336	340	338	335	330	334	326	319	319	318	331	331	334	328	324	321	320	303	322	331	332	331	323	328	
2	306	316	323	325	321	324	325	325	325	326	326	329	331	330	321	321	309	308	317	323	329	330	334	331	323	
3 D	331	329	327	321	323	323	327	332	344	355	349	289	293	262	297	216	244	270	285	317	324	296	274	267	304	
4 D	249	253	246	246	244	232	262	207	206	262	280	300	293	296	298	272	262	271	285	302	303	298	284	308	269	
5	310	302	297	298	300	303	311	317	314	312	315	313	313	312	309	302	296	289	298	301	314	317	318	307	307	
6	307	315	317	313	310	315	318	320	315	322	326	331	329	328	320	318	298	296	310	311	315	320	329	329	317	
7	326	324	322	321	320	322	322	325	324	326	325	325	325	322	319	311	304	306	298	301	322	330	327	317	319	
8	314	319	319	322	324	329	327	325	323	324	323	323	325	325	321	309	302	302	314	323	327	333	332	331	321	
9 Q	329	328	328	329	327	327	327	328	327	325	333	334	332	330	324	308	301	306	317	320	325	330	333	330	325	
10	329	328	328	328	329	331	330	333	335	339	340	338	347	344	332	310	301	311	319	327	334	337	336	331	330	
11 D	321	313	310	286	274	327	308	321	325	317	312	339	336	329	317	300	291	292	299	306	315	318	333	333	314	
12	326	319	320	316	316	317	323	325	325	317	321	333	327	325	316	302	299	304	298	301	315	323	325	325	317	
13 Q	323	322	320	319	321	323	324	326	326	326	327	326	328	326	317	309	303	302	302	302	316	327	335	333	320	
14 Q	335	334	327	324	326	325	326	326	329	327	330	331	330	323	311	295	294	301	308	319	330	335	333	330	323	
15	330	329	329	329	326	324	324	325	328	330	330	330	327	327	308	296	297	310	325	340	340	340	330	315	325	
16	318	316	317	324	323	327	319	324	325	326	323	324	326	324	314	301	293	297	303	315	325	328	330	326	318	
17	322	314	311	308	319	325	319	310	308	334	332	329	331	330	320	309	305	314	322	332	334	324	319	324	320	
18	321	325	324	322	319	321	310	312	314	317	319	321	321	324	310	307	313	315	314	312	314	314	301	305	315	
19	307	301	308	300	308	313	312	312	317	320	318	322	321	316	308	304	306	312	323	332	333	337	331	323	316	
20 Q	319	315	319	312	317	324	323	324	329	325	325	324	321	312	308	301	300	307	315	323	328	329	328	328	319	
21 Q	325	325	325	323	322	323	323	323	323	324	324	328	326	323	314	302	295	297	309	321	333	343	345	336	338	323
22	326	324	316	309	301	296	284	304	307	306	312	314	323	312	296	283	275	281	297	310	325	328	324	322	307	
23	316	318	315	307	311	316	324	326	314	317	324	322	324	314	297	286	276	283	298	312	325	325	298	309	311	
24 D	314	297	275	296	300	313	316	323	312	312	309	326	311	290	311	277	266	277	277	281	300	314	305	306	300	
25	313	312	309	313	317	317	319	322	319	322	323	321	318	313	294	282	276	286	290	306	316	324	327	328	311	
26 D	323	319	299	298	300	321	327	316	301	329	334	331	326	326	326	312	300	276	293	302	322	324	324	322	314	
27	321	312	306	303	316	318	317	319	322	322	325	325	325	322	319	305	296	296	304	307	313	320	321	322	315	
28	322	321	322	322	322	322	322	321	322	322	327	329	327	329	317	306	299	296	302	310	313	317	321	329	319	
29	331	329	328	322	303	319	320	323	326	328	331	327	331	329	323	311	305	300	308	312	321	327	330	326	321	
30	326	329	326	323	324	327	331	331	325	327	331	329	327	319	311	310	303	303	309	312	317	326	327	328	322	
31	325	321	318	320	315	320	325	328	328	328	330	329	328	321	312	305	289	294	308	316	319	325	323	330	319	
Mean	319	317	315	313	313	317	318	318	317	322	324	325	324	319	313	299	294	297	305	313	322	325	322	322	316	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7° W + . . . ' .

January 1946

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	26.0	24.7	26.9	27.2	26.2	25.2	25.3	25.0	26.4	21.6	25.1	26.3	26.7	27.5	28.2	31.4	32.7	33.5	34.7	33.6	30.3	28.0	27.3	27.5	27.8	27.8
2	25.5	26.6	23.0	25.3	25.8	26.6	27.5	28.2	26.6	27.5	26.6	29.4	28.5	29.2	29.2	28.6	30.4	33.0	31.9	29.2	27.8	27.2	26.4	26.3	27.8	27.8
3 D	26.1	26.0	26.3	25.4	26.2	26.4	27.2	30.5	32.3	28.7	31.4	86.5	48.1	26.4	26.8	33.1	43.8	36.1	37.5	33.6	35.6	28.6	31.5	34.6	33.7	33.7
4 D	21.4	17.9	09.3	21.4	20.7	16.5	24.4	24.1	35.5	24.7	26.1	28.7	32.0	34.7	34.7	35.5	34.5	37.1	34.3	32.5	29.7	29.5	16.1	27.4	27.0	27.0
5	27.4	26.4	21.4	25.4	24.2	29.6	34.1	29.5	29.3	30.3	29.3	27.4	28.5	26.5	24.9	26.5	29.3	30.8	31.7	30.7	29.8	29.9	28.6	27.4	28.3	28.3
6	23.3	27.4	26.4	26.8	26.7	28.2	30.2	30.7	27.4	25.8	27.4	27.5	27.5	26.7	27.3	28.4	30.9	31.4	31.7	30.3	29.4	27.8	26.8	26.9	28.0	28.0
7	26.3	25.8	25.7	26.2	26.1	27.8	27.5	27.7	27.5	27.4	27.6	27.4	28.9	27.7	25.7	28.2	31.9	32.9	32.8	30.6	30.0	29.0	28.7	28.6	28.3	28.3
8	29.1	26.2	25.5	25.9	25.8	25.4	28.4	27.5	27.3	27.1	27.1	26.7	25.4	25.1	24.2	25.7	28.6	27.4	27.4	30.3	29.4	27.7	27.4	26.8	27.0	27.0
9 Q	26.3	25.4	25.4	26.3	26.6	26.9	27.2	27.7	27.5	26.8	26.8	25.8	25.0	23.6	23.2	25.4	29.2	30.5	31.5	30.9	30.6	30.2	28.7	27.5	27.3	27.3
10	26.4	26.0	25.6	25.5	24.1	24.6	25.8	26.8	26.9	26.6	26.4	26.0	24.2	23.0	23.2	24.5	28.6	31.1	31.0	30.5	30.3	28.9	27.1	26.7	26.6	26.6
11 D	27.0	26.7	25.1	19.9	20.4	22.9	24.8	26.1	25.3	26.1	32.2	27.6	24.0	23.9	23.1	25.6	27.0	29.0	30.7	30.9	32.2	30.7	27.9	27.1	26.6	26.6
12	27.0	25.2	24.9	25.3	24.9	27.2	26.4	26.8	27.1	29.3	37.7	33.3	27.2	23.6	23.3	24.7	26.6	28.9	31.2	31.6	31.5	29.6	27.7	26.7	27.8	27.8
13 Q	26.3	26.3	26.6	25.1	26.7	26.9	27.4	27.4	27.4	27.5	27.2	27.4	26.6	24.0	22.3	25.8	27.8	29.3	30.3	32.4	31.6	28.7	26.9	26.6	27.3	27.3
14 Q	26.9	26.5	26.1	26.6	25.8	25.9	26.8	27.6	27.9	27.4	27.2	26.2	24.9	23.1	22.1	25.3	27.8	30.1	30.7	30.6	29.1	27.6	26.9	26.4	26.9	26.9
15	26.0	25.6	25.8	26.1	26.2	26.3	27.0	26.8	27.1	26.1	26.6	26.1	25.3	23.0	22.3	23.7	27.9	31.7	33.5	33.4	31.4	29.8	29.5	29.7	27.4	27.4
16	28.9	27.9	22.2	28.3	27.1	27.2	27.0	26.2	27.7	27.5	26.5	25.6	24.6	23.3	25.3	26.3	29.8	31.0	31.1	30.9	29.9	28.5	26.8	26.7	27.4	27.4
17	26.3	27.2	26.1	27.8	26.0	26.6	25.9	27.7	33.0	29.8	28.7	26.8	25.0	22.6	21.6	23.9	26.2	29.3	31.7	29.6	29.7	29.3	28.1	27.6	27.4	27.4
18	26.3	26.3	26.2	26.7	26.2	26.4	26.8	25.7	26.2	27.2	24.9	25.7	23.2	21.7	26.2	27.9	31.2	33.4	33.8	30.5	30.6	31.7	28.8	27.7	27.6	27.6
19	22.2	18.7	23.0	25.1	25.7	27.2	27.1	27.6	26.7	26.0	26.2	25.6	24.3	22.8	24.7	26.8	28.8	30.7	31.8	31.1	30.3	29.9	28.8	28.0	26.7	26.7
20 Q	27.6	24.8	24.3	25.9	26.1	26.3	26.7	27.1	26.2	27.7	26.7	26.2	25.9	23.8	24.1	26.3	28.3	30.8	30.8	29.7	28.0	26.8	26.8	27.0	26.8	26.8
21 Q	26.4	26.1	25.9	26.0	26.6	26.7	27.0	26.6	25.7	25.6	25.6	24.9	25.1	23.5	24.7	27.8	30.7	33.4	33.7	31.9	31.0	30.4	30.2	30.7	27.7	27.7
22	25.8	26.6	27.3	28.8	29.1	24.4	23.1	25.9	26.1	22.8	22.5	22.3	24.2	20.6	22.0	26.3	29.5	31.3	32.0	30.8	28.0	26.6	26.7	26.2	26.2	26.2
23	26.0	25.2	22.8	24.6	26.2	27.2	30.4	29.7	26.4	29.2	30.0	29.2	23.4	21.6	23.8	25.8	29.7	32.6	33.8	32.6	30.7	29.3	25.9	29.2	27.7	27.7
24 D	25.4	21.6	14.9	17.9	23.4	26.1	27.9	26.0	26.4	26.6	34.7	29.7	26.6	36.7	32.4	30.2	30.1	31.9	34.2	34.7	33.2	29.7	27.9	23.1	27.9	27.9
25	26.1	25.3	22.6	23.1	25.0	27.0	29.2	30.0	28.7	26.7	26.9	26.5	26.6	23.1	23.6	24.7	27.6	30.3	32.0	31.4	31.3	29.5	27.6	27.0	27.2	27.2
26 D	25.8	25.5	23.4	20.4	29.5	28.6	30.7	27.0	35.3	33.4	25.9	27.0	27.3	24.4	22.6	23.4	27.8	33.7	36.7	33.6	31.5	30.1	27.7	26.9	28.3	28.3
27	26.5	26.6	24.3	23.4	25.1	26.4	26.9	27.5	27.0	25.7	26.3	24.9	24.3	23.3	21.8	24.9	27.1	29.1	30.4	30.4	30.4	28.7	27.6	27.0	26.5	26.5
28	26.4	26.0	26.0	26.2	26.3	26.4	26.7	27.0	27.3	27.5	25.9	25.6	24.8	23.3	22.5	24.0	26.9	28.8	30.1	29.2	28.8	29.0	28.6	27.3	26.6	26.6
29	26.7	25.5	25.4	26.0	24.6	22.7	25.0	26.3	26.2	27.4	24.6	26.7	26.6	24.4	26.1	24.6	27.4	30.2	31.0	31.9	30.1	28.8	27.3	27.2	26.8	26.8
30	26.4	26.2	25.8	25.2	25.9	26.1	26.8	25.8	25.8	25.8	25.8	25.2	24.1	22.2	21.1	22.5	25.2	27.6	28.8	31.3	31.6	28.6	27.5	26.2	26.2	26.2
31	25.7	25.6	25.3	25.5	25.4	27.1	28.8	26.6	26.0	24.7	25.1	25.3	24.8	23.2	21.9	24.5	28.1	31.5	31.6	30.7	29.4	28.1	27.2	26.4	26.6	26.6
Mean	26.2	25.5	24.2	25.2	25.6	26.1	27.4	27.3	27.8	27.0	27.5	28.7	26.6	24.8	24.7	26.6	29.5	31.3	32.1	31.4	30.5	29.0	27.5	27.5	27.5	27.5

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

Table 3 Agincourt

$z = 56,000 \gamma +$

January 1946

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	392	392	395	398	396	395	396	393	388	377	377	377	376	375	377	379	383	395	398	408	402	399	400	401	391
2	407	408	403	397	400	399	395	390	393	396	394	393	390	390	390	385	390	397	401	405	403	402	400	399	397
3 D	395	395	396	396	396	394	394	390	368	358	351	216	238	357	386	393	416	439	480	495	511	507	486	492	402
4 D	491	503	487	446	446	408	407	311	282	336	392	410	402	388	390	395	427	431	438	460	446	436	446	422	417
5	415	409	404	404	404	397	381	390	397	396	401	400	402	405	403	394	391	397	403	407	409	405	405	410	401
6	408	404	401	399	399	395	390	382	390	396	395	393	393	389	384	378	384	396	399	399	402	401	397	396	395
7	394	393	393	393	393	394	393	392	392	391	390	386	386	384	381	381	384	389	395	401	399	394	394	394	391
8	391	392	392	391	387	380	384	389	387	387	388	388	390	387	388	383	388	394	398	393	390	390	389	387	389
9 Q	387	386	386	384	385	386	386	385	384	383	385	386	385	385	380	374	382	386	389	392	392	391	389	389	386
10	385	385	385	384	384	383	382	383	383	382	383	382	381	378	372	372	381	383	384	384	383	383	380	381	382
11 D	381	382	382	377	371	278	312	366	369	364	374	367	371	376	377	372	380	382	387	389	389	390	387	387	371
12	385	383	386	381	384	381	376	376	378	375	363	362	374	375	375	373	379	383	383	386	388	389	387	386	380
13 Q	384	381	381	380	381	380	380	379	379	379	379	379	382	381	375	374	380	384	380	380	386	387	382	380	381
14 Q	377	376	375	375	372	375	377	376	374	374	374	375	378	378	374	371	377	378	378	379	381	378	377	378	376
15	377	375	373	373	374	374	374	371	374	372	373	374	375	375	373	368	371	368	368	371	373	376	378	390	374
16	392	388	385	382	384	383	379	378	376	375	376	376	376	375	374	370	379	382	382	378	380	381	380	377	379
17	376	376	378	374	370	375	372	358	338	357	370	377	381	375	370	367	370	370	367	372	374	374	376	380	371
18	379	376	376	376	376	373	375	375	372	362	364	364	366	362	357	362	365	371	376	383	388	391	397	410	375
19	410	398	403	393	393	386	381	381	380	379	378	378	377	375	373	369	369	372	376	374	374	380	379	382	382
20 Q	386	383	382	381	380	382	379	379	378	377	375	375	375	374	369	369	369	372	376	378	377	374	374	374	377
21 Q	374	374	374	374	375	375	375	375	376	376	375	374	376	376	374	374	379	386	388	387	387	381	379	385	378
22	386	387	391	392	397	375	370	391	392	388	383	375	374	374	374	376	380	384	386	385	383	380	377	376	382
23	376	376	372	373	378	375	372	366	371	367	360	362	369	371	371	374	377	381	385	388	387	385	415	398	377
24 D	387	385	394	386	383	378	343	317	358	362	353	356	357	356	365	360	365	369	380	389	391	389	393	392	371
25	385	383	381	378	376	374	372	368	370	373	373	373	374	378	374	382	378	374	376	379	380	377	377	376	376
26 D	374	375	378	375	371	358	347	356	343	340	355	361	367	371	367	364	361	372	384	379	381	379	378	378	367
27	374	377	378	378	378	376	374	373	370	371	371	370	372	373	367	360	366	366	369	373	378	377	375	374	373
28	374	372	373	372	372	372	370	369	369	370	369	369	372	371	366	360	365	368	372	376	377	375	374	373	371
29	371	369	369	369	370	366	371	371	368	366	357	360	366	369	364	360	364	369	372	377	377	376	373	372	368
30	371	371	370	370	370	368	367	365	367	370	367	364	368	370	365	362	363	365	368	376	383	374	373	371	369
31	371	371	371	371	370	368	362	365	368	368	368	366	367	369	364	360	362	368	374	375	370	370	369	370	368
Mean	389	388	387	384	384	377	375	372	372	373	375	371	372	376	374	373	378	383	387	391	391	389	389	389	381

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt

January 1946

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	02 28	345	18 38	290	55	18 37	36.3	10 39	15.2	21.1	19 17	410	10 21	371	39
2	22 57	334	00 29	291	43	17 58	34.4	02 30	16.8	17.6	00 40	409	16 04	384	25
3 D	11 45	372	15 41	139	233	11 35	116.2	21 52	12.3	103.9	21 48	576	11 57	142	434
4 D	19 45	316	08 04	140	176	08 35	43.5	02 42	-27.2	70.7	01 46	546	09 00	251	295
5	22 03	323	17 07	278	45	06 28	40.5	02 48	11.1	29.4	00 23	417	06 43	374	43
6	22 56	331	17 00	282	49	17 07	33.2	00 07	17.4	15.8	00 16	411	15 37	375	36
7	22 05	332	19 03	286	46	18 30	33.7	04 45	24.8	08.9	19 20	404	14 50	377	27
8	22 46	334	07 33	299	35	19 07	31.4	14 30	23.7	07.7	18 45	399	05 45	373	26
9 Q	11 45	334	16 50	298	36	18 13	31.8	14 18	21.4	10.4	20 02	392	15 05	374	18
10	12 30	348	16 21	297	51	17 40	32.1	14 05	21.5	10.6	01 17	388	14 53	365	23
11 D	05 42	367	04 53	269	98	10 54	35.8	05 36	13.4	22.4	20 35	390	05 49	238	152
12	11 36	336	18 55	292	44	11 00	40.4	02 02	23.0	17.4	22 10	390	10 40	356	34
13 Q	22 50	335	19 32	297	38	19 32	33.1	14 16	21.6	11.5	21 40	387	14 55	373	14
14 Q	04 43	337	16 00	290	47	19 15	31.6	14 27	21.5	10.1	21 00	381	04 55	367	14
15	20 05	345	16 32	293	52	18 50	33.9	13 47	22.0	11.9	23 56	398	17 45	365	33
16	04 25	331	16 05	291	40	03 42	33.6	02 39	15.4	18.2	00 01	397	15 15	370	27
17	09 50	338	08 10	288	50	08 08	37.0	14 27	21.4	15.6	23 05	382	08 36	321	61
18	13 50	332	22 55	293	39	17 50	34.8	13 34	19.5	15.3	23 43	417	14 30	354	63
19	21 40	339	01 43	288	51	18 35	32.5	01 13	12.5	20.0	00 09	414	15 30	369	45
20 Q	19 40	348	16 30	298	50	17 57	31.6	13 59	23.3	08.3	01 00	386	15 55	365	21
21 Q	21 15	346	16 00	294	52	18 13	34.9	13 47	23.3	11.6	19 55	389	14 35	373	16
22	22 00	337	06 34	273	64	18 30	32.2	13 45	19.7	12.5	04 25	401	05 57	352	49
23	20 12	339	17 00	275	64	07 07	36.0	02 50	17.5	18.5	22 34	439	11 10	351	88
24 D	21 54	343	16 17	255	88	13 11	40.4	02 10	10.4	30.0	19 52	400	07 31	301	99
25	22 01	332	16 10	268	64	18 00	33.1	03 07	18.5	14.6	00 01	388	14 35	370	18
26 D	06 05	337	17 23	257	80	09 07	39.8	03 06	17.1	22.7	19 50	385	09 00	326	59
27	11 44	326	17 25	291	35	20 20	31.1	14 32	21.3	09.8	03 40	381	15 00	360	21
28	10 09	331	17 54	293	38	18 26	30.4	14 30	22.0	08.4	19 47	378	15 25	358	20
29	13 07	334	16 50	295	39	19 28	33.1	05 35	21.0	12.1	19 29	377	11 05	355	22
30	06 58	336	19 55	296	40	20 00	34.5	14 48	20.4	14.1	20 24	387	07 13	360	27
31	08 53	331	16 35	285	46	17 20	32.6	14 29	18.6	14.0	19 00	376	15 00	359	17
Mean		338		277	61		37.2		17.4	19.8		406		346	60
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 1946

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	330	329	326	326	325	322	322	321	321	321	322	328	325	324	315	310	310	305	305	313	324	330	328	325	321	
2	326	340	337	337	326	328	328	316	323	322	320	316	316	309	310	298	289	294	304	315	325	330	329	325	320	
3	326	326	326	326	325	325	323	319	322	321	320	318	318	307	294	289	285	300	309	320	328	326	315	318	316	
4	308	310	308	304	305	308	309	308	309	302	304	298	296	298	303	280	277	291	293	299	308	309	317	310	302	
5	305	312	307	300	292	300	300	294	298	302	302	302	299	294	291	282	283	284	300	311	315	330	330	321	302	
6	314	325	325	321	321	318	315	315	319	318	317	315	294	293	290	277	259	241	270	305	311	325	330	335	306	
7 D	320	321	321	319	319	320	315	321	308	311	191	121	228	183	159	219	251	257	262	294	397	445	734	780	310	
8 D	386	388	282	272	185	240	179	096	048	123	096	200	251	220	194	232	231	230	259	269	269	282	283	287	221	
9	287	292	291	295	293	292	293	290	298	287	282	284	277	251	253	254	243	244	254	274	298	293	297	279		
10	301	303	306	312	325	317	321	318	295	303	305	292	272	256	244	244	260	265	274	279	287	292	303	302	291	
11 Q	299	294	297	302	303	305	308	305	304	299	300	301	305	297	287	277	266	256	254	273	282	298	305	306	293	
12	304	306	306	301	303	304	303	306	303	300	303	306	309	303	289	275	269	276	275	281	296	278	294	294	295	
13	301	304	307	309	308	302	294	296	308	307	297	306	303	275	309	324	313	300	290	296	302	304	308	309	303	
14 D	311	312	314	315	316	316	313	277	241	250	264	303	309	302	296	289	289	295	308	335	325	308	304	313	300	
15	307	308	293	293	281	278	289	304	311	313	313	311	312	309	307	306	301	302	309	320	316	318	318	318	306	
16	318	319	317	316	317	317	316	315	315	317	317	316	313	305	296	291	286	294	308	317	330	329	330	323	313	
17	319	314	315	317	312	319	318	309	309	314	316	315	309	299	285	272	272	284	297	311	319	320	320	320	308	
18	317	317	318	319	320	320	319	317	318	322	322	320	311	297	281	272	278	291	307	318	325	323	327	327	312	
19 D	329	330	323	317	317	304	311	302	304	307	302	321	313	304	291	282	299	297	289	327	296	315	323	310	309	
20	309	305	305	300	302	304	308	313	312	317	315	313	315	309	299	292	292	299	292	298	301	292	303	291	304	
21 D	294	281	262	232	226	208	202	127	129	250	228	289	286	255	240	276	293	282	291	301	307	305	304	302	257	
22	299	293	256	260	261	278	288	281	278	289	296	306	306	303	301	301	296	296	299	293	303	306	309	311	292	
23	306	287	277	283	293	291	293	272	246	292	296	317	302	307	297	282	283	287	278	288	306	316	315	318	293	
24	315	307	309	312	313	309	317	309	309	308	313	313	325	323	316	314	311	304	303	296	307	317	307	302	311	
25	303	307	304	285	288	283	294	302	306	304	302	307	317	311	295	284	281	286	292	304	311	321	320	302	301	
26 Q	302	305	311	310	306	307	309	312	315	315	312	309	309	302	298	293	292	294	290	302	312	312	317	315	306	
27 Q	316	316	315	313	313	313	314	316	317	318	318	317	311	307	304	304	303	303	308	312	315	316	317	317	313	
28 Q	322	320	321	318	318	323	322	327	327	327	325	323	318	304	296	291	296	302	312	322	325	331	334	335	318	
29																										
30																										
31																										
Mean	313	313	307	304	301	302	301	286	289	299	293	290	302	292	284	283	283	284	290	302	311	317	329	329	300	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt

D = 7° W + . . . '

February 1946

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	26.3	25.2	25.0	25.5	25.8	26.3	25.9	25.6	25.6	25.5	25.1	24.5	23.6	21.8	22.0	24.6	27.7	29.4	30.5	30.8	31.3	29.6	27.4	26.6	26.4
2	26.3	25.5	22.8	26.4	26.0	25.1	28.4	25.7	24.5	23.3	23.5	24.2	23.2	22.5	22.4	24.2	26.3	28.8	30.6	32.0	31.2	29.6	28.1	27.8	26.2
3	27.3	25.4	25.8	26.1	26.4	26.1	25.5	26.3	25.7	25.4	25.3	25.1	24.5	18.9	12.6	18.8	23.5	28.2	29.8	29.4	28.7	29.5	28.8	27.7	25.5
4	26.5	25.5	25.7	25.4	25.8	26.7	27.3	27.5	27.5	27.8	26.8	25.4	24.7	23.9	24.3	26.5	30.6	30.6	29.5	29.6	29.2	27.5	26.5	26.9	27.0
5	25.8	26.5	26.4	24.0	24.5	26.2	27.5	25.0	24.9	25.1	25.1	24.9	25.0	22.6	22.9	25.7	29.4	31.9	32.8	33.3	32.3	31.6	27.2	28.5	27.0
6	26.6	25.7	26.3	26.0	26.0	26.4	26.3	26.0	26.3	25.8	25.5	24.6	24.6	26.3	22.9	25.0	28.6	33.4	36.9	35.5	32.3	31.2	28.9	26.9	27.6
7 D	25.4	26.1	25.8	25.8	27.2	29.0	27.5	27.2	28.7	30.4	67.0	77.6	10.3	12.1	33.9	33.9	30.7	38.9	38.5	32.8	22.1	24.3	08.4	03.0	29.5
8 D	-0.7	-0.8	03.9	13.9	28.6	20.8	32.1	97.6	52.9	44.5	58.8	51.5	35.9	38.5	39.9	31.2	19.8	27.5	26.3	29.7	29.4	29.9	29.0	28.5	32.0
9	28.5	28.0	28.1	28.8	28.8	29.5	28.7	33.9	37.1	44.3	32.6	26.1	24.8	23.9	20.8	24.5	26.1	28.8	28.4	25.7	23.4	27.0	28.0	26.6	28.5
10	26.1	25.5	27.0	27.1	31.7	34.6	35.2	45.8	39.4	38.1	36.9	30.3	29.7	29.7	16.2	18.1	23.0	24.8	25.1	24.5	23.8	28.1	29.3	28.5	29.1
11 Q	27.8	26.2	26.5	27.4	27.8	29.8	28.0	29.2	32.0	31.0	28.0	26.7	25.3	27.7	23.4	22.5	24.0	26.8	30.2	31.4	31.1	30.2	28.9	28.3	27.9
12	27.9	27.0	26.9	24.4	26.5	26.5	26.8	28.4	27.7	28.0	28.9	28.0	25.6	22.9	22.2	22.9	27.6	28.0	29.1	30.2	28.4	29.3	27.8	26.4	27.0
13	27.5	26.6	26.9	27.8	28.4	28.7	26.5	30.0	38.4	44.4	37.1	31.5	31.1	25.6	21.3	22.0	24.9	27.3	28.4	29.0	29.3	28.9	28.4	29.7	
14 D	27.6	27.2	26.9	26.2	27.0	26.5	28.4	25.1	41.6	32.7	33.5	30.5	26.5	22.5	23.2	25.4	28.4	29.1	30.7	29.3	25.3	23.4	27.7	27.4	28.0
15	27.2	27.4	26.0	23.8	17.4	23.8	26.5	29.4	26.4	23.2	23.4	22.5	21.5	20.4	21.4	23.1	26.1	27.7	28.8	29.1	28.4	27.5	27.7	27.7	25.3
16	27.4	26.5	26.5	26.4	26.4	26.7	26.9	26.9	27.1	26.2	25.3	25.1	24.2	22.3	22.4	24.8	28.2	30.4	31.4	29.8	27.7	26.7	26.5	27.3	26.6
17	26.2	26.0	25.3	25.6	25.3	16.9	26.4	27.0	26.8	26.2	25.0	24.4	22.9	22.0	23.4	26.4	29.4	31.3	32.1	30.5	28.6	27.9	27.0	26.8	26.3
18	26.2	25.5	25.3	25.3	26.6	26.4	26.4	26.4	25.7	25.6	24.3	23.4	22.1	20.5	21.4	23.8	28.0	31.3	32.0	32.0	29.8	27.4	26.2	26.2	26.2
19 D	25.8	25.3	25.2	25.6	23.8	24.1	32.0	25.3	31.2	27.4	26.9	22.3	21.4	19.3	20.6	22.6	28.3	28.5	33.0	32.6	33.5	31.7	30.7	25.3	26.7
20	25.4	25.3	25.4	25.7	26.0	27.2	26.9	26.7	27.1	28.0	25.1	22.4	22.4	20.5	22.3	23.5	26.1	28.1	30.5	32.1	32.8	21.6	33.4	35.3	26.6
21 D	33.8	21.3	18.9	16.0	17.0	18.0	20.2	20.7	39.8	20.7	44.3	27.4	41.9	50.9	46.9	36.3	33.4	32.8	30.9	28.4	26.6	27.4	27.9	27.0	29.5
22	26.8	26.4	16.1	18.9	19.8	23.4	24.4	24.4	28.9	28.0	24.1	24.2	24.4	24.0	23.4	26.9	27.4	28.8	29.8	31.6	30.5	29.7	28.2	27.0	25.7
23	26.4	27.0	25.2	19.1	32.3	25.6	21.6	23.2	32.0	25.0	31.6	28.3	24.7	23.4	25.3	26.5	29.4	30.4	31.3	30.7	28.8	27.9	27.1	26.5	27.1
24	26.3	24.7	25.1	25.4	25.6	26.2	25.3	24.3	25.9	29.8	25.9	32.0	27.4	22.9	22.9	26.0	26.1	27.4	28.3	31.2	31.1	30.7	29.8	30.1	27.1
25	27.8	25.9	25.2	15.3	16.8	24.7	25.3	27.0	26.5	26.2	27.0	31.1	26.3	24.1	23.8	25.8	27.1	28.5	29.5	29.8	29.5	28.4	28.0	28.0	26.3
26 Q	27.8	26.8	24.6	25.0	24.7	25.7	25.9	26.5	25.4	27.4	24.4	25.9	23.8	23.8	24.5	25.6	27.4	30.5	33.1	31.5	30.0	29.2	27.7	27.6	26.9
27 Q	27.4	27.4	26.9	26.9	25.8	24.6	26.0	25.6	25.4	25.1	25.2	25.1	24.1	23.4	24.4	25.7	27.4	30.5	31.2	30.3	28.7	28.0	28.0	27.8	26.7
28 Q	27.4	27.4	26.6	27.0	26.9	26.9	26.5	25.9	25.6	24.7	24.7	24.2	22.7	21.4	22.7	24.3	27.6	31.4	36.5	32.3	29.5	28.2	28.0	29.1	27.0
29																									
30																									
31																									
Mean	26.1	25.1	24.4	24.3	25.4	25.8	26.9	29.7	30.2	28.9	30.6	29.2	25.2	24.4	24.2	25.2	27.1	29.5	30.8	30.5	29.0	28.3	27.5	26.9	27.3

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

Table 7 Agincourt

$Z = 56,000 \gamma +$

February 1946

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	369	368	367	367	369	368	368	366	367	366	365	365	366	367	364	359	361	366	367	368	369	373	369	369	369	367
2	368	369	372	370	375	373	367	369	373	366	365	364	365	368	361	358	361	364	367	371	375	375	371	371	371	368
3	371	371	371	371	370	370	369	368	368	368	368	367	369	368	361	358	361	368	369	369	375	385	393	408	408	371
4	392	381	377	374	373	369	369	369	368	359	348	354	363	371	366	363	368	372	371	374	377	378	380	381	371	
5	390	390	390	390	387	386	387	387	382	382	376	373	370	370	368	365	367	374	381	383	383	380	376	380	380	
6	385	382	377	375	374	374	374	374	375	374	373	370	367	365	363	362	359	356	367	379	381	376	374	379	372	
7 D	378	376	374	373	370	365	362	353	332	300	145	075	287	336	329	346	382	409	418	447	527	523	600	405	367	
8 D	263	340	298	327	297	409	370	239	288	351	359	350	412	422	432	415	444	454	446	441	426	411	403	399	375	
9	397	393	392	391	390	389	387	375	353	314	343	376	387	389	389	388	392	392	392	398	402	406	397	394	385	
10	392	388	386	385	383	369	366	352	345	369	382	392	399	404	404	399	394	396	393	395	400	398	394	392	386	
11 Q	388	385	385	381	376	375	378	378	370	366	374	378	384	381	380	378	377	379	381	382	386	388	386	385	380	
12	381	383	379	377	379	378	377	375	374	374	373	373	375	373	368	363	366	375	378	381	395	396	398	396	378	
13	389	383	383	377	377	372	363	351	321	314	327	360	385	375	387	381	373	373	376	378	378	377	380	380	369	
14 D	378	376	377	376	376	374	371	306	220	220	300	343	361	372	378	377	373	380	384	389	382	385	388	380	357	
15	388	387	384	355	335	321	306	353	360	371	372	373	376	371	367	365	366	377	377	378	378	378	376	374	366	
16	376	376	373	373	373	373	372	372	372	372	372	373	374	373	368	366	367	372	374	377	376	372	372	371	373	
17	373	373	373	372	373	359	359	367	373	376	373	373	374	373	372	373	374	376	377	380	377	374	373	373	373	
18	373	373	373	370	370	371	371	371	371	370	369	371	373	372	368	364	362	366	368	371	374	376	371	370	370	
19 D	371	367	370	371	368	365	359	353	353	326	338	346	359	353	350	352	359	359	366	378	385	395	415	390	364	
20	380	377	376	377	375	378	376	371	372	359	353	360	365	365	361	358	363	365	367	371	382	439	442	474	379	
21 D	510	388	415	397	377	343	311	225	254	238	225	320	320	307	326	370	378	385	384	383	378	377	376	378	348	
22	377	384	409	363	385	382	383	370	312	327	343	369	373	373	372	370	376	371	371	377	377	379	379	378	371	
23	377	384	391	376	322	341	344	334	272	302	314	325	359	374	372	376	377	379	379	383	383	380	377	376	358	
24	377	377	377	376	374	373	368	367	369	368	361	364	365	366	364	365	367	370	374	380	383	391	406	400	374	
25	395	389	380	388	375	374	371	370	371	369	365	368	361	363	357	359	364	369	370	371	373	377	379	379	372	
26 Q	380	380	374	373	373	375	374	374	373	364	364	372	372	366	363	359	360	363	365	369	374	375	376	374	370	
27 Q	372	371	371	371	372	369	372	370	370	370	370	370	369	368	364	369	370	372	374	376	372	370	369	370	370	
28 Q	369	369	369	370	370	370	370	369	369	369	367	370	372	372	370	369	366	366	370	370	370	370	369	368	369	
29																										
30																										
31																										
Mean	381	378	377	374	369	370	366	355	348	346	346	353	368	370	369	369	372	376	379	383	387	389	392	385	371	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt

February 1946

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 Q	23	10	331	17	44	301	30	20	50	32.1	14	17	20.6	11.5	21	00	374	15	20	358	16
2	03	02	346	16	40	285	61	19	48	32.3	02	48	16.0	16.3	06	25	377	06	59	355	22
3	20	36	335	15	55	278	57	18	40	31.5	14	20	09.5	22.0	23	59	413	15	20	355	58
4	22	35	324	16	15	267	57	17	00	32.3	13	55	19.5	12.8	00	01	404	10	31	336	68
5	21	17	350	15	35	264	86	19	15	34.2	13	56	20.9	13.3	21	12	396	15	25	360	36
6	02	42	349	17	14	231	118	18	41	38.3	13	50	20.6	17.7	19	50	389	17	05	353	36
7 D	23	20	811	11	20	-214	1025	11	10	123.1	22	50	-52.5	175.6	22	35	723	11	11	-764	1487
8 D	00	01	530	00	30	-241	771	07	20	108.5	01	02	-31.6	140.1	13	40	517	00	27	-268	785
9	21	17	311	17	30	240	71	09	45	47.0	14	25	18.1	28.9	21	15	412	09	23	303	109
10	04	34	333	14	50	235	98	07	46	50.1	14	47	11.2	38.9	13	57	408	07	55	338	70
11 Q	08	52	362	18	15	248	114	08	38	33.8	15	45	21.9	11.9	00	01	390	09	06	361	29
12	12	27	311	16	08	262	49	18	53	30.7	15	33	19.9	10.8	22	43	400	15	25	361	39
13	15	45	327	13	35	259	68	09	36	47.2	14	00	18.7	28.5	00	01	393	08	51	304	89
14 D	19	45	404	09	10	208	196	08	15	49.3	20	40	16.1	33.2	19	45	412	08	54	130	282
15	19	29	325	04	04	255	70	07	46	35.2	04	13	08.3	26.9	01	40	390	06	44	297	93
16	23	05	347	16	14	283	64	18	30	31.5	14	47	20.6	10.9	19	10	379	16	10	363	16
17	05	30	340	16	10	269	71	18	25	32.2	05	20	10.6	21.6	19	40	380	05	42	342	38
18	20	17	342	15	15	270	72	19	15	32.8	14	11	20.2	12.6	20	17	378	16	33	360	18
19 D	02	01	348	15	04	263	85	06	30	36.0	15	12	13.1	22.9	22	35	424	09	28	318	106
20	20	58	342	21	37	268	74	23	04	39.3	20	40	15.0	24.3	23	59	504	10	45	350	154
21 D	00	57	366	08	08	021	345	08	07	59.3	01	42	11.6	47.7	00	58	599	07	53	154	445
22	23	07	317	02	35	229	88	19	21	32.5	02	20	02.9	29.6	02	53	433	08	37	288	145
23	11	35	324	08	21	215	109	08	13	37.8	03	54	08.9	28.9	02	15	392	08	18	235	157
24	21	02	333	19	35	286	47	11	32	34.0	14	27	21.2	12.8	22	25	412	11	15	359	53
25	21	50	327	04	50	273	54	11	35	36.8	03	55	13.3	23.5	00	01	397	14	33	354	43
26 Q	22	39	322	18	40	287	35	18	27	33.3	03	00	21.4	11.9	00	08	381	15	35	359	22
27 Q	23	58	322	16	00	298	24	17	52	31.6	05	05	23.8	07.8	19	30	377	05	33	363	14
28 Q	22	15	337	15	20	291	46	18	14	41.1	13	55	20.6	20.5	12	40	372	18	14	362	10
29																					
30																					
31																					
Mean			361			219	142			43.0			12.2	30.8			422			264	158
No. days			28			28	28			28			28	28			28			28	28

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

Table 9 Agincourt

H = 15,000 γ +

March 1946

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	329	343	355	329	307	300	296	252	178	290	295	291	295	282	272	268	276	295	311	330	332	327	317	322	300
2	294	305	304	308	308	293	280	288	299	297	312	307	305	289	277	277	277	283	295	308	317	317	314	318	299
3 Q	316	317	316	312	314	316	316	312	314	309	309	306	302	291	287	280	281	293	307	319	327	321	324	324	309
4	317	310	316	312	308	305	308	300	308	298	293	297	301	284	249	249	276	289	304	315	326	321	327	302	301
5	277	293	296	290	287	301	303	296	296	293	296	285	276	282	248	243	252	271	289	313	302	312	306	297	288
6	300	303	298	292	300	296	286	285	297	292	294	292	297	283	266	260	261	267	289	301	306	326	318	317	293
7	319	310	305	311	311	311	308	314	309	298	290	292	283	285	270	255	252	259	277	292	303	314	316	315	296
8	316	316	317	316	317	314	315	315	312	310	310	307	296	286	281	276	274	276	289	303	314	315	316	317	305
9	317	318	320	322	320	316	316	316	318	321	321	318	314	300	277	259	260	291	306	316	295	300	301	306	306
10 D	309	302	301	295	283	303	296	306	302	311	321	321	321	288	259	288	285	291	298	322	321	337	363	311	305
11	286	291	276	274	272	269	265	284	285	280	272	290	274	258	275	265	272	280	300	309	318	305	310	281	283
12 Q	303	308	308	306	309	310	307	304	303	303	301	303	301	296	286	277	271	276	289	302	308	308	310	312	300
13 Q	314	314	315	314	310	308	312	312	312	311	307	305	300	291	282	281	277	282	286	310	316	316	318	316	304
14 Q	317	312	312	314	314	318	314	317	318	321	319	312	303	292	285	281	280	283	293	304	314	318	318	317	307
15	319	318	322	322	322	322	323	324	321	321	318	310	293	295	281	265	259	267	281	295	312	317	324	324	306
16 Q	321	318	318	316	316	315	319	323	319	321	322	322	316	302	281	268	267	276	287	301	310	322	321	327	308
17	340	341	352	357	317	312	312	319	322	323	321	318	303	310	294	276	257	266	290	311	301	307	317	318	312
18	317	319	314	314	319	319	321	324	315	311	324	329	321	311	301	286	275	274	275	295	308	321	324	322	310
19	319	316	316	318	311	312	313	316	316	323	320	319	315	306	295	285	288	300	316	332	343	347	331	339	317
20	339	329	329	327	326	319	327	322	326	326	326	327	326	317	294	282	276	282	293	306	317	332	326	321	317
21	321	322	323	334	322	319	321	325	332	329	326	310	307	307	305	295	286	293	296	303	312	322	326	323	315
22 D	322	321	322	322	322	328	339	290	254	301	303	303	305	290	298	288	286	292	297	311	324	339	336	384	311
23	324	311	319	322	319	322	319	314	316	316	315	312	309	300	285	280	293	301	317	333	328	346	340	375	317
24 D	682	682	566	178	224	290	268	229	213	053	102	205	144	099	140	113	133	270	255	257	265	274	265	284	258
25 D	274	197	084	-039	-001	030	082	-083	-109	004	004	004	034	065	049	009	157	303	468	442	499	767	442	468	178
26	571	411	234	236	272	128	046	184	187	197	226	262	252	239	234	249	249	250	267	296	344	321	310	307	261
27	293	290	276	272	300	286	280	279	276	270	259	259	270	260	259	252	272	281	291	312	329	352	369	304	287
28 D	305	322	311	266	250	218	250	291	-109	145	-047	-150	-202	-202	-150	099	192	244	229	249	442	494	357	285	170
29	228	218	224	233	231	238	241	244	252	251	258	250	253	247	243	231	235	237	246	265	269	280	277	282	247
30	285	278	280	291	290	285	286	288	286	290	290	284	278	247	249	251	250	259	271	292	303	297	297	295	280
31	296	295	295	289	285	289	290	290	285	285	284	270	272	269	257	248	243	251	268	286	303	318	307	302	283
Mean	328	320	307	289	290	287	286	283	266	277	274	273	270	257	250	250	258	277	293	307	323	338	323	319	289

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt

D = 7° W + . . . '

March 1946

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	27.5	26.9	29.4	31.0	17.6	27.0	27.0	26.1	27.0	19.6	22.0	22.3	20.6	22.9	25.5	28.3	31.9	32.6	33.8	30.3	27.5	26.3	26.6	27.1	26.5
2	26.4	27.1	29.2	25.5	26.2	23.9	23.7	23.4	26.4	24.7	23.7	23.1	21.2	22.8	26.6	29.9	33.4	34.7	33.8	32.2	29.4	26.8	26.7	27.5	27.0
3 Q	27.5	27.5	27.3	27.1	26.6	26.7	27.6	26.1	25.7	24.9	24.8	24.3	23.8	24.3	27.2	30.1	33.2	33.7	33.4	32.0	29.7	27.6	27.3	28.0	27.8
4	27.6	29.0	28.3	26.7	24.3	26.4	26.6	33.6	24.3	20.3	23.3	24.9	20.3	19.6	21.4	30.4	35.3	35.8	34.8	34.6	35.8	35.7	30.3	34.4	28.5
5	27.0	27.1	25.6	26.1	25.3	28.9	28.5	25.8	25.3	25.9	26.4	21.9	25.2	26.4	27.4	34.8	33.5	33.9	33.8	33.9	32.1	29.8	26.5	24.0	28.2
6	27.6	25.1	25.7	22.8	25.3	25.5	23.1	26.7	25.3	24.6	26.2	28.4	20.2	18.2	21.7	25.9	31.0	33.4	33.8	34.8	34.0	31.6	26.7	29.3	27.0
7	28.3	26.2	24.4	26.2	26.7	26.3	26.5	27.3	26.2	23.7	26.7	25.2	25.2	20.7	21.3	24.6	29.9	35.5	37.7	37.2	33.7	30.4	28.5	27.8	27.7
8	27.1	26.8	27.0	26.9	27.2	26.6	26.6	26.7	26.4	25.5	25.3	23.9	22.2	20.0	21.0	26.2	31.0	35.3	37.7	35.4	33.9	32.0	29.8	29.7	27.9
9	28.4	27.6	27.4	26.6	26.6	27.5	26.1	24.8	24.9	25.2	25.3	24.5	22.2	20.1	17.1	23.3	30.2	39.2	35.2	33.1	33.2	31.5	29.6	28.9	27.4
10 D	27.6	24.3	08.5	23.1	20.7	27.2	36.1	23.7	27.6	25.4	28.1	24.3	21.2	21.3	21.8	27.8	29.5	32.7	33.0	24.9	21.6	22.8	28.0	18.7	25.0
11	23.4	21.0	29.6	24.3	27.9	30.6	33.4	28.3	28.6	32.8	36.4	29.4	28.6	26.3	24.2	25.8	30.1	31.8	32.9	31.4	31.3	31.2	28.8	26.3	28.9
12 Q	28.5	27.9	27.9	28.4	28.5	28.5	29.3	27.9	27.5	27.5	26.6	25.8	24.0	22.3	23.3	24.9	27.8	30.4	31.7	31.1	29.7	28.8	28.8	28.5	27.7
13 Q	28.4	27.5	28.0	27.7	27.1	26.6	26.9	26.8	25.9	25.5	25.3	25.8	23.1	22.1	23.3	26.3	28.4	33.0	36.2	34.7	31.3	28.4	27.6	27.6	27.6
14 Q	26.6	27.2	27.4	27.2	27.3	27.5	26.9	26.6	25.9	28.1	27.3	24.0	23.1	21.6	25.3	28.8	32.1	34.9	35.4	34.4	31.0	28.4	27.4	27.5	28.0
15	27.3	27.9	27.5	27.4	27.2	26.6	26.5	26.1	25.5	33.0	30.5	30.1	26.5	24.3	23.2	26.7	30.3	33.1	32.9	33.0	30.7	28.4	27.5	27.5	28.3
16 Q	27.3	27.1	27.3	26.9	27.3	27.3	27.3	26.6	25.8	25.9	25.0	23.7	21.6	21.1	21.3	24.0	27.5	30.3	31.9	31.9	31.7	31.2	29.9	28.5	27.0
17	27.9	27.4	12.2	16.0	27.3	26.7	19.8	28.9	23.8	23.3	24.0	25.2	28.4	27.3	21.3	23.6	29.2	34.6	36.7	34.6	33.0	32.5	29.5	28.0	26.7
18	26.0	26.6	23.9	26.4	26.8	26.3	25.3	26.4	24.9	31.2	27.2	23.8	20.3	19.0	20.3	23.3	28.0	32.6	35.4	34.4	32.2	30.2	28.1	26.7	26.9
19	26.9	26.7	26.1	26.3	26.1	26.1	27.5	27.5	27.4	25.4	25.6	25.6	24.8	21.6	21.9	24.1	27.2	30.0	30.8	31.9	31.0	29.9	29.1	27.6	27.0
20	28.0	27.5	26.7	26.6	26.2	26.1	25.6	25.1	25.2	25.4	24.9	28.7	25.3	20.8	20.1	23.9	27.1	30.2	32.8	33.4	32.6	30.4	29.2	26.6	27.0
21	25.3	26.2	24.7	20.3	25.8	25.3	25.8	26.7	25.1	24.3	24.3	26.6	25.8	20.9	19.5	23.0	27.5	31.5	32.9	32.7	31.6	29.7	28.6	28.3	26.3
22 D	28.1	27.7	27.4	26.7	26.7	26.1	25.5	17.6	14.1	17.6	23.9	21.9	24.0	23.7	25.3	25.8	30.1	32.2	34.3	34.3	32.2	30.4	28.5	27.4	26.3
23	29.4	26.6	27.3	27.3	27.6	26.7	25.8	24.6	24.6	25.3	24.4	23.9	22.1	20.7	23.7	26.8	30.4	32.8	34.0	35.5	37.0	36.2	30.6	25.5	27.9
24 D	04.1	22.0	34.1	35.4	22.0	26.9	30.2	26.8	29.2	51.0	47.8	39.3	45.7	47.7	35.5	49.5	40.5	35.1	35.1	33.9	31.5	28.9	26.7	24.6	33.4
25 D	21.9	-1.9	04.1	29.2	26.4	15.3	28.1	15.2	39.6	39.5	72.4	60.4	62.7	39.3	38.5	39.3	26.7	04.6	00.2	20.5	09.4	14.2	26.6	19.3	27.2
26	25.8	26.3	20.1	28.3	10.4	22.0	21.5	20.6	32.9	27.6	34.4	24.0	21.2	24.9	29.0	31.0	31.9	33.3	34.4	35.5	29.3	34.0	34.0	33.1	27.7
27	34.2	24.2	24.3	24.6	25.3	27.1	26.0	24.3	24.9	23.1	25.8	30.4	21.7	23.1	28.6	29.2	32.1	34.6	34.8	34.8	36.1	33.4	29.5	33.4	28.5
28 D	31.9	31.3	18.0	26.3	20.3	40.4	38.3	33.0	56.5	-2.0	20.7	77.4	77.4	43.1	45.0	22.0	39.5	37.6	41.3	34.2	31.0	27.4	23.0	25.5	35.0
29	26.6	25.7	24.0	27.9	28.3	31.3	30.6	31.0	30.6	24.1	24.9	23.3	19.7	24.4	28.8	33.0	35.3	39.0	39.5	38.6	35.2	32.8	31.3	30.4	29.8
30	29.5	28.6	25.0	27.8	29.3	29.7	29.1	28.1	27.5	26.9	25.8	23.9	23.0	22.3	25.5	28.6	34.0	37.0	37.5	35.1	32.2	30.4	29.1	29.6	29.0
31	28.9	28.8	28.4	28.7	27.6	27.8	26.7	28.1	26.3	25.4	23.1	24.8	24.6	23.3	22.1	24.9	30.4	35.3	37.5	35.7	33.9	31.3	32.2	31.9	28.6
Mean	26.8	25.8	24.7	26.5	25.4	27.0	27.3	26.2	27.4	25.8	28.2	28.4	27.0	24.4	25.1	27.9	31.1	32.9	33.7	33.3	31.1	29.8	28.6	27.7	28.0

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

Table 11 Agincourt

$z = 56,000 \gamma +$

March 1946

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	366	370	372	408	413	386	368	298	242	359	377	377	378	381	380	378	377	380	381	378	376	377	373	376	370
2	415	406	403	397	378	364	377	384	386	377	379	377	375	374	371	365	369	373	373	372	372	372	371	371	379
3 Q	370	370	369	369	370	370	370	371	372	370	369	368	368	367	370	372	377	379	382	383	377	377	371	372	372
4	375	379	377	376	370	370	366	341	341	359	362	348	366	365	363	364	370	373	377	383	399	412	454	437	376
5	459	408	389	389	390	380	353	371	370	370	370	357	350	347	356	363	369	377	382	383	378	383	384	389	377
6	388	384	359	374	377	369	359	359	352	374	364	348	350	354	351	358	362	369	377	382	379	382	386	382	369
7	377	377	378	377	376	374	369	364	353	341	353	368	363	369	364	361	364	372	374	377	376	381	377	374	369
8	373	371	368	365	365	365	367	366	365	367	369	371	371	372	370	364	363	372	377	376	376	378	372	369	370
9	369	368	369	369	370	371	371	368	368	366	367	369	368	364	359	353	356	364	366	374	376	390	387	390	370
10 D	386	382	363	353	353	363	304	341	335	359	364	372	376	370	359	370	369	372	370	396	451	465	482	474	380
11	478	429	412	393	361	360	335	340	353	348	337	363	366	374	375	370	374	380	383	390	380	376	388	395	377
12 Q	386	377	373	371	370	368	362	370	368	370	371	373	373	370	370	371	374	378	376	379	377	373	373	373	373
13 Q	373	371	371	370	369	370	370	369	370	369	368	370	371	376	376	376	381	383	383	380	380	378	373	370	374
14 Q	372	369	368	369	368	364	369	369	368	366	358	368	369	368	366	364	367	374	378	380	377	376	370	369	369
15	368	366	366	365	364	363	364	362	356	325	312	329	347	357	353	359	364	365	368	374	374	372	370	366	359
16 Q	366	364	363	363	363	363	361	358	359	362	363	364	367	365	364	364	367	369	369	370	370	374	366	366	365
17	364	363	341	326	359	357	335	351	360	361	363	362	364	359	352	356	367	366	371	376	373	368	372	359	
18	370	365	364	367	364	362	354	343	352	356	351	359	363	360	357	353	363	367	369	369	369	367	366	361	
19	369	367	369	363	367	369	369	366	371	369	370	373	371	369	369	362	360	364	363	365	366	369	362	364	367
20	363	362	361	362	360	359	353	353	356	357	359	360	350	351	351	353	355	359	364	369	373	372	370	368	360
21	364	363	359	347	360	359	337	340	350	355	357	357	353	353	352	349	357	363	363	363	364	368	363	363	357
22 D	363	359	358	359	359	357	345	251	251	225	347	359	351	352	351	351	353	355	364	366	364	366	363	366	346
23	369	381	372	368	367	363	364	363	361	360	363	363	362	359	357	357	357	357	367	371	374	388	412	492	373
24 D	416	325	260	472	378	447	428	385	366	270	252	256	268	248	335	351	411	376	396	396	396	404	400	416	360
25 D	413	346	204	254	148	186	128	169	-041	204	000	148	248	315	373	396	490	564	608	501	478	402	477	511	314
26	522	426	343	409	378	327	277	292	288	304	361	383	383	376	374	376	382	392	410	423	446	425	428	434	382
27	451	387	379	396	352	358	374	384	381	382	382	368	362	360	359	363	370	363	369	384	398	423	443	441	384
28 D	439	528	504	293	364	328	290	354	024	089	058	018	419	496	608	632	541	511	475	535	540	533	500	506	399
29	488	407	392	386	408	418	416	416	404	399	408	396	393	391	393	396	401	402	406	411	412	414	405	404	407
30	401	399	393	382	387	392	392	392	389	388	388	390	387	384	383	381	384	387	387	392	396	392	392	389	389
31	387	386	387	387	390	384	357	364	370	354	363	377	372	380	383	380	380	381	384	389	393	404	422	452	384
Mean	397	383	367	370	364	363	351	350	330	343	339	345	361	366	373	374	379	383	387	390	392	393	396	400	371

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt

March 1946

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	01	41	383	08	35	151	232	03	44	40.8	04	09	06.9	33.9	03	58	456	08	35	172	284
2	05	00	332	00	41	261	71	00	24	35.7	00	43	17.1	18.6	00	40	459	05	27	353	106
3 Q	20	28	333	16	20	276	57	17	12	35.5	13	05	23.1	12.4	18	42	383	13	37	364	19
4	22	15	396	15	15	235	161	22	22	45.4	13	38	16.2	29.2	22	23	539	07	48	317	222
5	00	15	339	16	16	236	103	00	32	46.8	00	49	18.0	28.8	00	21	511	13	10	341	170
6	22	00	335	15	05	249	86	19	42	35.3	13	09	15.5	19.8	00	20	389	08	27	337	52
7	00	35	323	16	35	249	74	18	49	38.6	02	05	19.4	19.2	21	42	383	09	58	333	50
8	20	55	320	18	03	247	73	18	02	45.6	13	39	19.4	26.2	18	20	378	16	15	360	18
9	19	19	345	16	05	247	98	17	39	43.0	14	13	16.5	26.5	23	05	393	16	32	347	46
10 D	22	50	494	14	50	218	276	06	20	45.4	02	09	-07.9	53.3	22	47	593	06	47	275	318
11	20	45	332	06	50	247	85	06	45	41.7	01	17	05.7	36.0	01	05	512	06	47	300	212
12 Q	06	01	319	16	40	267	52	18	39	31.9	13	42	21.9	10.0	00	01	391	06	10	359	32
13 Q	22	07	321	16	50	272	49	18	45	37.2	13	02	20.3	16.9	17	55	386	10	03	367	19
14 Q	10	02	326	15	30	275	51	17	40	36.2	13	40	21.1	15.1	19	40	383	10	24	357	26
15	08	15	332	15	45	254	78	09	11	35.4	14	36	20.9	14.5	20	00	378	10	28	307	71
16 Q	21	41	332	16	10	264	68	18	50	32.2	14	03	19.6	12.6	21	39	377	07	17	358	19
17	03	05	398	16	40	246	152	18	34	37.8	03	02	01.9	35.9	20	22	381	03	17	295	86
18	07	20	331	16	51	265	66	18	47	35.8	13	03	17.6	18.2	00	40	372	07	38	339	33
19	21	17	371	15	15	282	89	19	20	32.6	13	50	20.5	12.1	21	20	376	16	18	359	17
20	21	19	346	15	00	270	76	18	52	34.3	13	20	16.6	17.7	21	20	379	14	22	346	33
21	03	07	350	16	45	283	67	18	47	33.4	03	04	11.9	21.5	21	35	368	06	33	318	50
22 D	23	10	396	08	23	229	167	19	02	35.7	08	55	06.1	29.6	23	05	380	08	35	206	174
23	23	50	424	15	24	274	150	20	01	38.2	23	59	-02.7	40.9	23	48	564	17	40	354	210
24 D	01	50	854	10	09	-050	904	03	20	83.6	01	43	-35.7	119.3	23	50	562	01	55	-062	624
25 D	21	00	829	08	00	-124	953	06	18	111.9	04	57	-26.2	138.1	18	03	679	08	50	-221	900
26	00	15	616	06	04	-083	699	06	05	73.0	02	00	-08.0	81.0	01	25	606	05	58	112	494
27	22	03	390	15	35	239	151	01	18	47.3	00	57	08.7	38.6	00	54	497	04	55	315	182
28 D	21	44	499	13	00	-253	752	11	58	174.8	13	31	-53.2	228.0	14	00	850	08	25	-280	1130
29	08	39	304	00	54	166	138	03	08	50.1	02	54	-23.6	73.7	00	02	517	02	57	183	334
30	20	54	311	15	20	242	69	18	08	38.5	02	00	19.6	18.9	00	08	404	03	22	376	28
31	21	27	330	16	07	239	91	18	11	38.1	06	15	20.3	17.8	23	48	455	06	52	338	117
Mean			397			199	198			48.1			07.3	40.8			461			265	196
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 1946

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	275	282	257	277	282	283	278	273	269	296	296	288	281	271	255	247	251	260	273	304	310	312	311	290	280
2	282	278	292	288	274	288	276	265	286	276	284	287	279	266	260	245	250	272	289	309	320	307	302	292	282
3	298	296	298	299	295	296	299	302	302	303	299	296	289	281	271	257	261	278	291	301	306	313	313	305	294
4	307	311	299	307	306	297	300	299	301	301	300	296	296	281	258	245	251	270	286	298	315	323	328	319	295
5	311	307	307	309	308	304	307	307	306	307	305	302	296	284	273	262	266	278	286	288	306	313	317	309	299
6	313	308	304	304	302	292	293	299	304	303	303	303	302	284	281	263	260	271	286	309	322	319	309	302	297
7	306	312	308	311	312	309	296	294	302	302	303	299	302	283	272	285	292	284	293	303	306	316	321	320	301
8	318	314	314	312	310	310	299	315	312	305	309	311	304	295	291	272	272	278	285	313	324	326	321	322	306
9 D	325	330	329	327	323	323	328	319	328	306	298	299	285	276	225	265	280	277	286	289	307	308	310	294	302
10	275	284	296	301	301	303	302	305	307	305	304	291	296	284	270	268	270	279	289	294	300	303	303	305	293
11 Q	303	306	308	308	305	305	299	303	312	313	308	308	302	291	281	275	273	288	303	310	313	313	319	311	303
12	313	316	319	321	316	318	319	319	319	319	321	319	317	295	284	285	305	315	320	338	334	364	336	328	318
13	324	307	305	307	313	310	298	305	305	298	313	310	308	294	293	287	294	313	331	331	339	332	309	303	310
14 D	302	296	299	306	307	316	318	318	323	317	295	278	286	232	284	281	287	289	301	316	329	334	327	311	302
15 D	306	307	312	286	271	265	222	141	148	153	224	250	128	142	200	216	258	268	273	315	319	313	308	305	247
16	304	305	304	298	308	304	304	305	304	304	304	303	299	289	276	268	268	285	299	302	317	320	309	301	299
17	301	303	303	304	303	307	308	308	311	311	313	307	303	301	288	277	277	285	293	306	312	318	318	313	303
18	311	309	306	307	306	309	312	312	312	309	302	307	301	292	281	277	279	288	293	303	313	321	322	320	304
19 Q	318	317	316	315	314	306	303	307	310	313	316	316	313	304	292	288	298	293	298	313	313	325	320	308	309
20 Q	306	312	311	309	310	308	311	318	319	319	318	317	311	302	287	273	288	307	318	332	332	328	325	322	312
21 Q	321	323	320	322	323	323	325	325	325	324	322	319	312	297	294	294	306	311	319	325	330	334	329	325	319
22	323	323	321	323	324	325	324	344	330	328	313	320	313	302	290	287	289	309	323	326	323	337	328	323	319
23 D	324	323	312	301	291	260	208	200	106	008	111	083	133	146	153	124	160	206	306	448	662	729	783	793	299
24 D	263	521	160	109	224	153	232	072	-043	184	100	109	237	207	219	314	240	304	299	327	371	341	321	306	228
25	309	264	268	273	275	254	266	265	262	262	258	266	268	267	262	265	276	281	283	283	287	292	296	298	274
26	296	292	301	301	290	292	281	275	273	273	275	270	262	263	256	258	270	274	298	323	306	327	349	328	289
27	303	275	272	282	284	283	278	278	281	283	285	283	284	273	265	263	273	283	288	287	296	304	305	313	284
28	313	319	315	305	301	299	298	298	292	292	293	293	287	287	277	282	303	327	344	330	306	306	312	311	304
29	309	304	306	306	306	307	305	305	301	293	296	282	288	282	266	261	268	290	302	321	343	319	308	312	299
30 Q	309	311	313	313	313	315	315	313	313	316	313	306	292	287	289	290	301	315	318	317	322	324	324	325	310
31																									
Mean	306	312	299	298	300	295	293	286	281	284	281	284	283	272	266	262	272	286	299	316	329	334	333	327	296

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7° W + . . .

April 1946

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	31.3	27.1	19.5	27.9	27.9	27.9	26.9	28.9	24.9	25.0	25.8	24.3	20.8	20.7	22.2	26.4	31.9	33.9	35.8	34.5	33.5	33.7	32.8	31.3	28.1
2	28.0	21.4	27.3	26.2	21.0	35.4	23.7	20.6	22.5	27.6	32.9	24.9	21.7	23.4	27.3	29.4	34.4	37.5	36.6	35.3	33.8	31.6	33.1	30.7	28.6
3	30.0	29.1	28.7	28.8	28.8	28.0	28.1	28.1	28.8	27.4	26.3	24.3	24.1	19.9	22.2	27.9	34.4	34.9	35.7	36.3	33.7	31.9	30.4	30.0	29.1
4	29.2	29.2	22.7	28.8	27.8	25.3	25.8	25.8	24.8	24.9	24.1	22.0	21.3	19.3	21.1	27.6	32.6	37.2	40.3	40.1	37.1	33.9	30.4	29.4	28.4
5	29.7	29.0	28.4	27.9	27.8	27.2	26.7	25.9	25.0	24.6	24.4	22.4	20.5	17.8	20.4	24.9	30.1	36.6	40.0	40.7	36.2	32.6	29.6	28.4	28.2
6	29.6	30.2	28.4	29.2	28.0	25.6	25.8	25.5	25.0	25.7	23.4	21.5	19.0	17.2	18.9	21.9	29.2	33.1	36.2	36.3	34.2	31.8	31.7	30.3	27.4
7	29.7	29.0	29.4	27.2	27.5	23.3	23.0	24.1	22.2	24.9	24.3	22.4	21.3	19.4	23.7	30.7	34.3	32.4	32.0	31.8	30.4	28.5	27.5	27.5	26.9
8	27.6	27.6	28.5	28.4	27.6	26.9	29.4	24.8	25.3	27.6	25.4	22.4	20.5	22.4	22.3	25.3	30.1	31.9	34.0	32.4	30.6	29.4	27.5	27.2	27.3
9 D	27.5	28.5	28.4	27.5	26.9	26.2	23.3	24.6	24.9	33.2	30.4	19.3	23.9	26.1	41.9	42.4	39.9	36.6	35.3	31.5	28.0	26.1	26.9	26.2	29.4
10	20.1	24.6	28.2	28.4	28.5	27.5	27.3	26.7	26.8	26.8	26.8	29.0	23.7	22.6	24.0	28.3	32.8	34.6	34.8	33.4	31.9	29.8	28.2	27.2	28.0
11 Q	27.3	28.0	28.2	28.4	28.2	26.7	23.9	25.9	26.6	26.6	24.4	23.0	22.7	23.9	24.6	29.5	33.0	35.0	34.3	33.9	31.1	28.4	27.3	26.7	27.8
12	27.3	27.6	28.1	27.9	27.4	26.5	26.2	24.9	25.1	25.4	24.8	24.2	20.2	18.6	22.2	28.5	33.4	35.3	35.3	34.3	32.1	29.9	29.9	28.9	27.6
13	28.1	25.8	24.7	27.9	27.1	24.9	24.3	20.3	20.1	23.7	24.4	21.7	20.7	20.4	25.7	29.5	32.9	34.0	32.7	29.5	29.4	28.8	26.0	24.6	26.2
14 D	23.3	22.5	26.7	27.3	28.0	28.3	26.8	25.8	25.0	24.2	32.2	31.5	31.3	34.8	40.5	31.7	33.1	36.4	36.1	35.6	33.7	30.1	27.3	22.4	29.8
15 D	26.2	22.3	24.6	18.8	22.8	24.8	30.1	31.1	22.5	45.6	27.0	25.7	48.6	56.1	43.6	38.0	34.8	34.6	33.6	29.3	29.4	28.9	27.6	27.7	31.4
16	27.8	27.6	24.8	23.6	23.9	27.6	27.5	26.4	26.1	25.2	24.4	23.7	22.0	21.3	24.6	28.5	31.7	33.7	35.0	34.8	32.7	31.4	29.4	28.3	27.6
17	20.1	27.3	28.0	27.9	27.6	27.6	27.2	27.3	26.0	25.7	25.2	24.3	24.9	24.3	23.4	26.5	31.2	34.4	36.0	36.7	35.1	32.4	30.4	28.9	28.3
18	27.7	26.8	26.5	24.6	25.6	26.8	27.0	26.4	28.8	29.7	28.3	23.3	22.1	20.4	21.7	24.3	29.0	31.7	34.4	36.5	34.9	33.0	30.4	28.1	27.8
19 Q	27.3	27.2	27.1	26.2	25.9	24.3	23.1	22.2	24.3	25.2	24.9	24.4	22.6	20.7	20.7	24.0	26.7	30.8	33.7	33.1	33.1	31.3	28.5	26.9	26.4
20 Q	28.4	27.3	26.9	26.3	25.7	24.9	25.8	26.7	26.0	25.9	25.3	24.0	21.8	19.8	20.6	23.6	31.3	33.7	32.6	32.1	31.5	30.4	28.6	27.8	27.0
21 Q	27.6	27.0	26.8	26.7	26.6	26.1	25.4	25.8	24.9	23.3	22.9	21.4	20.4	20.4	24.7	27.0	29.5	31.3	33.1	33.7	32.1	30.4	28.6	27.3	26.8
22	26.7	27.0	26.5	26.1	26.6	25.5	25.0	22.1	21.9	29.7	18.8	15.5	15.9	17.7	20.4	23.7	27.0	31.0	33.0	32.4	31.6	29.6	27.9	26.4	25.3
23 D	26.8	24.9	22.8	21.0	19.7	16.1	16.0	12.8	14.2	27.3	51.0	42.9	39.5	36.1	38.5	52.3	39.7	34.9	29.4	14.2	-3.6	02.8	21.9	46.5	27.0
24 D	33.0	32.0	38.9	46.0	25.5	26.1	23.4	33.9	46.8	26.3	21.2	38.9	26.0	32.2	32.5	28.7	25.8	22.2	27.2	26.6	21.3	29.6	31.9	26.6	30.1
25	23.3	23.0	26.7	28.6	26.9	25.5	26.8	27.8	26.4	25.6	25.2	23.7	23.3	24.7	25.5	28.6	31.3	32.1	32.2	32.1	31.5	31.1	30.4	29.7	27.6
26	29.7	28.8	28.3	29.3	27.9	28.2	28.3	27.3	25.5	25.1	24.3	24.9	24.3	23.3	25.3	27.9	30.3	33.0	31.3	32.1	32.2	30.6	29.4	28.6	28.2
27	27.7	23.3	27.5	29.4	29.5	28.6	28.0	27.6	27.3	27.3	26.2	24.5	24.4	24.6	27.9	31.9	33.4	34.1	34.9	34.1	34.2	32.2	30.3	28.5	29.1
28	27.8	28.5	29.4	30.3	28.7	27.9	27.7	26.9	27.9	25.5	24.0	23.3	22.8	23.7	26.4	31.6	36.2	36.4	33.8	34.6	35.4	32.8	29.0	29.2	29.2
29	29.6	29.7	28.7	28.0	28.0	27.9	27.3	30.0	28.4	23.9	22.6	24.1	23.0	22.3	25.2	29.4	34.0	35.3	37.0	34.4	31.6	31.2	30.4	28.5	28.8
30 Q	27.1	21.6	26.2	28.4	28.3	27.6	26.8	26.0	25.8	25.0	24.3	22.2	20.2	21.3	23.8	27.6	31.6	34.3	35.8	36.1	34.0	31.6	28.7	27.9	27.6
31																									
Mean	27.5	26.8	27.3	27.8	26.7	26.5	25.9	25.7	25.6	26.8	26.2	24.6	23.8	23.9	26.1	29.3	32.2	33.7	34.4	33.3	31.1	29.9	29.1	28.6	28.0

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

Table 15 Agincourt

$Z = 56,000 \gamma +$

April 1946

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	450	418	398	404	391	386	369	331	310	364	378	370	381	382	379	376	374	380	389	401	403	410	419	422	387
2	414	402	390	393	393	358	354	343	376	366	357	359	366	374	384	383	390	390	393	398	406	425	421	402	385
3	392	386	387	383	383	383	378	372	374	378	384	384	377	381	380	378	380	384	392	390	392	396	396	393	384
4	390	388	387	384	378	378	378	378	380	380	381	380	378	374	374	374	375	379	383	384	386	390	393	392	382
5	393	390	383	381	380	380	380	378	374	376	381	384	381	378	376	374	373	373	380	388	396	386	390	386	382
6	390	396	396	392	389	390	390	386	382	380	376	383	386	383	382	380	380	382	383	385	391	394	397	398	387
7	392	417	393	404	410	397	376	380	369	384	386	386	387	376	374	372	363	367	372	374	381	381	383	381	384
8	373	374	378	374	380	377	338	344	351	351	362	370	372	368	365	363	368	370	378	383	384	380	378	377	369
9 D	377	371	372	372	371	368	359	365	370	324	272	298	325	313	346	346	356	371	380	377	386	390	385	404	358
10	404	392	373	372	372	372	372	371	370	371	372	360	356	362	360	366	374	378	384	384	384	383	383	382	374
11 Q	377	374	373	372	372	367	367	371	367	364	367	373	372	367	364	367	370	376	384	387	384	378	373	370	372
12	371	369	367	370	370	367	367	366	365	366	366	363	360	359	359	365	359	361	371	373	371	377	363	371	367
13	372	379	383	386	366	333	295	354	356	349	360	365	360	359	360	360	355	366	371	390	400	390	390	392	366
14 D	384	377	376	371	365	356	359	361	361	354	325	321	313	327	341	354	354	361	367	378	379	391	397	397	361
15 D	390	371	307	368	312	284	213	148	166	139	254	276	254	271	319	369	388	389	425	448	402	385	377	374	318
16	377	376	376	372	361	373	372	370	371	368	372	370	366	362	360	366	367	372	379	383	391	400	403	395	375
17	384	378	376	371	372	369	361	364	364	367	370	367	364	362	361	356	356	366	373	377	373	373	371	366	369
18	370	367	367	364	365	364	364	364	356	335	328	337	348	355	358	359	364	367	371	373	373	373	371	373	361
19 Q	372	372	371	370	372	367	359	360	370	370	370	368	368	367	366	371	367	372	373	377	372	373	374	376	370
20 Q	368	366	365	364	364	361	364	364	364	365	366	368	367	366	360	361	364	367	371	371	370	367	366	365	366
21 Q	366	365	363	364	363	362	360	360	354	360	360	361	364	364	365	360	361	365	366	366	366	370	367	366	363
22	365	362	364	361	362	360	360	355	344	256	282	319	344	354	355	359	359	360	364	365	363	368	367	366	351
23 D	368	367	360	357	311	272	220	223	119	054	012	214	214	280	297	319	389	500	544	657	628	559	479	261	334
24 D	278	285	261	308	330	368	391	308	266	326	283	350	380	374	384	389	432	440	428	453	463	438	434	433	367
25	397	415	432	416	407	371	390	396	391	390	393	391	390	391	390	389	392	397	402	404	403	401	401	398	398
26	394	390	393	393	396	391	395	397	392	386	381	380	381	387	391	393	398	393	397	409	407	413	422	432	396
27	449	416	404	398	392	389	391	389	388	388	392	391	391	391	391	380	384	392	398	403	396	391	386	389	395
28	387	385	381	381	378	378	379	379	375	374	379	377	377	371	370	369	368	368	378	397	409	397	391	381	380
29	380	377	378	373	373	374	374	351	328	362	378	368	371	373	373	368	369	378	384	386	396	391	391	389	374
30 Q	385	379	373	374	373	373	373	372	372	370	373	373	371	370	362	355	358	364	367	367	371	375	375	375	371
31																									
Mean	384	380	374	377	372	366	358	354	348	344	345	357	359	361	365	368	373	381	388	398	397	395	391	384	372

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt

April 1946

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	21	41	330	08	07	225	105	00	07	39.4	02	20	10.1	29.3	00	11	466	07	08	260	206
2	19	50	326	15	55	232	94	05	21	43.7	01	11	13.2	30.5	22	12	429	07	28	328	101
3	22	28	313	16	00	251	62	19	02	37.4	13	50	18.9	18.5	00	01	403	16	47	372	31
4	22	35	331	15	17	241	90	18	55	41.0	13	24	19.2	21.8	22	30	393	14	35	370	23
5	22	17	333	16	00	257	76	19	30	41.9	13	55	16.9	25.0	20	31	398	15	10	372	26
6	21	45	327	16	17	256	71	19	18	37.0	13	40	15.2	21.8	22	13	400	10	20	371	29
7	22	33	324	14	43	264	60	16	15	34.8	05	58	14.6	20.2	04	00	423	15	32	361	62
8	21	30	338	16	45	265	73	06	27	36.0	12	41	19.4	16.6	20	20	388	06	38	303	85
9 D	21	45	340	14	52	183	157	15	48	51.7	11	51	19.2	32.5	23	44	406	10	38	261	145
10	23	53	310	00	54	253	57	18	37	34.8	00	53	08.6	26.2	00	53	416	12	56	348	68
11 Q	22	53	321	16	28	264	57	18	07	35.5	12	17	22.1	13.4	19	25	388	14	33	360	28
12	22	05	410	15	00	256	154	17	59	36.3	13	58	15.2	21.1	21	58	395	22	40	350	45
13	21	42	356	06	16	267	89	17	03	36.1	09	18	16.4	19.7	20	00	408	06	12	260	148
14 D	22	00	386	14	00	210	176	14	18	45.8	23	44	16.4	29.4	23	36	409	12	25	301	108
15 D	01	49	343	08	07	025	318	13	00	61.6	01	47	-06.9	68.5	19	10	474	07	00	042	432
16	21	08	327	16	00	256	71	18	45	36.1	04	15	15.2	20.9	22	30	406	04	25	351	55
17	21	45	321	16	20	270	51	19	37	37.0	00	33	11.7	25.3	00	01	395	16	15	351	44
18	21	55	325	15	12	268	57	19	30	36.6	13	56	20.3	16.3	20	53	377	10	15	319	58
19 Q	22	11	335	15	00	282	53	18	13	34.3	14	25	20.3	14.0	22	06	378	06	55	354	24
20 Q	19	48	338	15	12	269	69	17	01	34.4	13	26	17.9	16.5	00	01	371	15	55	359	12
21 Q	21	38	340	14	05	287	53	19	22	33.9	13	21	19.3	14.6	21	40	371	08	35	354	17
22	07	02	366	16	08	278	88	09	17	38.9	11	46	13.2	25.7	23	23	372	09	39	235	137
23 D	23	30	830	09	23	-278	1108	23	35	96.7	23	14	-33.5	130.2	19	52	709	23	50	-211	920
24 D	01	30	675	08	30	-046	721	01	57	105.8	02	12	-69.0	174.8	01	13	580	02	10	-181	761
25	00	08	341	05	30	234	107	00	39	38.3	00	01	12.8	25.5	02	05	451	05	32	356	95
26	22	57	375	14	30	253	122	20	21	33.1	13	38	22.4	10.7	23	59	439	11	45	377	62
27	23	57	316	02	00	250	66	18	23	35.2	01	45	21.2	14.0	01	08	454	16	15	378	76
28	18	53	356	14	34	268	88	17	05	38.5	12	25	22.2	16.3	20	11	413	17	23	365	48
29	20	20	344	15	30	256	88	18	06	37.7	13	17	21.5	16.2	20	55	397	08	10	312	85
30 Q	23	32	329	15	00	284	45	18	42	36.4	01	32	18.5	17.9	00	10	385	15	50	354	31
31																					
Mean			367			219	148			42.9			11.8	31.1			423			291	132
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 1946

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	319	318	319	321	318	320	307	302	312	304	305	304	298	292	277	265	273	290	309	328	326	315	305	323	306
2	313	301	299	305	308	310	309	308	302	303	303	298	293	282	277	289	308	319	334	337	336	325	323	318	308
3	318	313	321	310	305	313	313	313	313	309	312	317	318	304	292	276	281	299	316	331	336	325	315	320	311
4	312	306	313	314	307	301	298	306	305	303	304	309	300	297	287	281	278	290	301	309	318	318	308	311	303
5	315	319	320	320	313	318	320	322	324	326	323	320	317	308	301	305	309	315	327	344	365	355	319	323	322
6 D	330	323	320	304	344	328	256	281	325	353	321	331	335	322	319	333	345	351	359	349	347	339	369	342	330
7	354	361	345	334	291	062	027	100	245	295	322	296	298	302	311	314	324	335	336	333	331	330	325	318	276
8	309	306	303	306	289	275	221	167	296	322	320	306	298	290	308	313	313	319	339	340	336	334	316	302	
9 D	308	286	265	267	292	284	277	255	241	254	251	253	257	216	232	245	258	287	362	430	410	391	379	375	295
10	306	306	313	306	308	308	271	301	307	311	308	299	307	298	282	289	308	319	327	324	321	320	336	334	309
11 D	321	328	308	303	281	289	276	193	057	311	310	290	292	281	268	279	277	308	325	331	334	308	309	308	287
12	308	323	322	313	313	320	320	323	321	309	308	308	297	287	289	298	306	309	318	325	317	320	321	326	312
13	324	310	308	316	308	308	316	316	320	315	313	313	306	296	283	283	295	307	324	328	327	326	316	324	312
14 Q	319	319	313	313	319	319	319	319	319	319	319	316	306	293	288	289	300	308	319	327	333	318	321	323	314
15 Q	328	331	328	328	325	320	319	323	319	313	319	324	319	316	308	306	313	324	333	341	343	342	340	326	324
16	329	331	332	328	323	319	324	331	335	337	330	327	324	321	319	318	317	323	335	331	337	342	337	331	328
17	336	326	309	313	315	327	328	339	340	342	339	333	319	298	303	303	308	319	338	334	330	336	336	334	325
18	327	329	329	312	298	309	320	313	318	308	298	303	301	298	290	281	291	325	344	346	346	342	334	336	317
19 Q	328	329	329	328	329	329	328	329	326	327	326	330	326	311	293	288	294	310	330	339	344	340	333	335	324
20	334	335	332	329	332	331	335	335	336	338	339	339	330	312	299	308	324	344	363	378	375	415	438	332	343
21	341	318	298	313	318	320	303	249	227	262	290	303	285	273	264	256	272	308	329	358	404	371	322	327	305
22 D	325	334	318	319	286	232	083	117	242	269	242	256	240	267	272	250	255	273	339	352	370	345	339	339	277
23 D	334	313	294	295	308	313	316	316	294	289	284	279	257	288	282	262	251	277	358	361	363	362	392	329	309
24	312	313	310	309	299	303	303	303	313	306	300	296	295	278	247	256	268	295	326	333	330	321	340	339	304
25	334	323	318	316	311	289	299	315	305	304	299	293	286	283	269	261	284	319	333	329	334	344	344	338	309
26	329	338	316	315	312	319	319	317	313	305	300	298	295	289	288	286	290	302	313	321	333	335	328	323	312
27 Q	326	329	329	326	329	328	331	327	319	321	320	320	313	304	295	303	325	339	351	361	368	353	335	335	328
28	337	342	328	326	323	316	308	303	311	315	317	316	304	288	270	278	305	333	346	371	365	348	337	330	322
29	328	330	326	319	328	337	311	308	310	312	306	304	300	294	288	286	298	309	333	344	357	351	339	329	319
30 Q	326	324	321	320	325	326	327	330	327	328	327	333	327	306	286	281	302	318	333	358	362	369	356	354	328
31	324	312	313	300	289	285	290	264	290	305	305	310	315	310	293	276	282	311	339	360	352	347	336	335	310
Mean	324	322	316	314	311	302	288	282	297	310	308	307	302	294	287	286	295	312	333	344	347	342	338	330	312

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt

D = 7° W + . . . '

May 1946

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	27.6	26.7	26.9	26.6	25.8	25.0	18.2	22.4	24.6	24.0	21.0	18.8	17.0	19.7	23.3	30.4	35.8	38.3	39.2	38.0	36.0	33.7	31.2	28.4	27.4
2	23.9	23.7	24.0	25.9	27.1	26.8	27.2	25.8	23.0	23.2	21.6	18.0	17.9	19.3	23.2	28.2	32.2	34.6	36.3	35.8	33.2	30.9	29.7	29.4	26.7
3	29.2	30.6	28.6	25.2	24.6	27.6	27.0	25.6	24.3	23.4	21.3	19.6	18.6	18.5	21.3	26.5	30.1	33.4	34.0	33.1	32.2	31.3	28.6	26.8	26.7
4	24.5	24.6	27.9	26.3	25.1	27.5	24.9	24.9	24.3	25.8	21.3	20.6	21.3	22.2	21.9	26.6	30.6	31.6	32.8	34.0	34.9	33.9	32.5	29.7	27.1
5	28.4	26.9	26.6	26.7	22.1	25.1	25.7	26.1	25.3	24.3	22.3	20.6	19.1	18.9	20.7	25.2	27.3	29.6	30.6	31.6	30.4	30.4	32.1	31.4	26.2
6 D	28.3	27.3	23.3	19.8	22.1	24.2	30.4	16.0	17.3	23.3	21.9	14.6	16.0	22.2	24.5	27.4	28.8	31.0	31.9	31.5	28.8	27.9	26.4	28.0	24.7
7	26.5	26.5	23.9	19.6	18.9	37.4	36.2	36.4	19.2	17.6	14.8	12.2	13.7	15.7	20.4	25.1	29.3	29.9	29.8	30.4	30.3	29.6	28.7	26.1	24.9
8	25.3	23.9	24.5	19.8	16.8	22.5	25.9	10.1	09.1	14.9	14.9	20.7	24.3	27.6	29.6	30.4	33.1	32.8	32.2	29.7	28.7	28.3	26.7	22.5	23.9
9 D	22.4	18.2	13.2	18.4	19.3	23.7	25.0	21.7	23.5	28.5	32.5	26.9	27.3	35.8	35.8	42.5	38.3	34.4	27.6	20.7	22.2	21.3	19.2	27.6	26.1
10	27.6	27.1	31.3	28.6	29.2	25.2	23.9	22.8	20.3	20.1	20.3	20.3	18.0	19.2	22.4	26.9	31.0	32.6	32.4	32.8	31.0	29.3	28.5	29.4	26.3
11 D	27.8	25.7	19.9	24.6	17.8	37.4	31.6	27.6	57.7	13.7	15.5	13.7	14.6	23.9	28.4	36.2	36.5	35.5	33.3	32.4	29.2	28.5	27.3	27.3	27.8
12	27.3	28.0	27.3	26.3	22.2	24.3	27.3	26.8	26.6	28.1	25.0	21.4	21.2	25.3	28.4	31.3	33.0	33.4	32.5	29.4	29.1	27.4	26.3	26.6	27.3
13	25.2	22.8	23.5	26.7	26.3	26.6	26.7	28.8	28.8	24.6	22.5	20.3	21.2	22.8	25.3	29.9	31.6	32.9	33.5	31.2	29.2	27.3	27.1	24.8	26.6
14 Q	24.6	23.3	22.1	23.9	27.6	27.1	26.7	26.3	25.2	24.0	21.5	20.3	19.1	21.4	24.6	29.9	33.4	34.6	33.4	31.6	29.0	27.9	26.1	25.3	26.2
15 Q	26.1	26.7	27.0	27.3	26.6	25.9	26.7	25.9	25.1	23.6	21.0	19.4	18.4	19.4	23.4	27.6	31.0	33.7	33.3	32.1	30.4	27.4	24.7	25.5	26.2
16	25.3	26.4	26.7	26.6	24.9	22.2	23.6	24.9	24.5	25.5	25.5	25.1	19.9	22.6	25.3	29.4	32.2	33.4	31.7	33.1	30.7	28.7	27.1	25.4	26.7
17	24.2	23.1	24.1	19.1	16.4	24.8	24.7	24.3	24.2	23.1	21.5	20.3	18.1	22.9	23.4	28.3	29.9	34.0	34.8	34.5	33.1	30.3	27.7	26.4	25.5
18	25.8	24.6	13.7	21.3	18.2	23.0	24.8	26.8	35.7	27.1	23.1	24.0	23.4	23.0	22.7	28.7	32.7	32.2	32.2	31.9	30.1	28.4	26.6	25.3	26.1
19 Q	26.3	26.2	25.8	25.7	25.3	26.3	26.5	26.2	26.2	26.7	23.5	19.3	16.9	17.5	20.9	25.9	30.4	32.6	33.1	32.8	30.5	29.0	27.7	26.2	26.2
20	26.0	25.5	25.8	25.2	26.7	26.6	27.9	27.4	24.9	23.1	20.3	18.0	16.8	16.2	19.0	24.8	30.4	32.5	33.7	34.0	32.1	28.1	25.7	24.7	25.6
21	25.7	25.2	19.0	26.2	26.7	22.3	19.7	21.2	35.7	27.6	18.9	18.1	20.0	27.6	30.3	28.1	34.0	36.3	38.1	34.1	30.4	27.6	29.7	28.4	27.1
22 D	27.9	28.8	29.2	23.9	39.8	28.3	30.1	41.2	23.7	25.8	32.1	23.4	30.4	26.3	22.3	27.3	31.3	34.4	33.0	31.5	28.4	28.9	28.4	18.6	29.0
23 D	24.8	17.3	19.2	26.3	25.7	27.1	28.4	27.5	25.9	26.2	27.0	21.2	25.8	22.6	24.6	28.5	33.9	33.7	28.3	31.2	32.2	28.7	23.9	26.8	26.5
24	25.4	27.6	29.8	29.4	24.5	31.0	22.9	25.5	27.4	24.8	22.5	24.6	22.5	22.4	26.8	27.9	32.6	33.4	32.1	32.1	32.2	30.1	27.5	22.5	27.4
25	23.4	24.3	18.4	26.2	23.5	26.2	27.6	27.0	27.8	25.0	23.1	21.6	20.6	21.9	23.2	26.8	33.3	33.7	31.2	31.8	29.4	26.6	22.2	25.0	25.8
26	24.8	25.9	21.2	25.3	26.7	28.6	28.0	27.1	26.6	26.8	24.3	20.7	19.4	20.9	23.0	27.5	33.4	35.3	33.4	31.5	30.4	27.3	27.0	27.0	26.8
27 Q	27.3	28.3	28.2	27.7	27.6	27.8	30.0	28.9	25.8	23.4	20.6	18.4	18.5	22.0	25.3	31.3	35.8	37.5	37.6	35.7	32.9	30.6	28.9	28.6	28.3
28	29.4	26.7	25.8	27.0	25.0	26.1	26.1	26.1	26.1	24.5	20.6	19.7	19.8	22.5	29.0	35.2	38.7	37.5	34.9	32.0	27.9	24.4	24.2	25.1	27.3
29	24.9	26.1	27.1	28.2	28.5	29.3	25.5	26.2	29.6	25.8	19.4	16.8	16.8	19.3	24.9	28.7	31.2	33.9	35.1	35.7	32.2	30.1	28.4	27.3	27.1
30 Q	27.6	27.1	27.4	28.2	28.0	27.5	27.6	26.7	26.2	24.9	21.6	19.7	19.2	20.8	24.3	27.6	31.9	35.2	34.4	32.8	32.7	29.7	28.6	28.3	27.4
31	27.7	26.3	24.9	23.9	24.9	23.7	24.3	37.2	27.4	19.4	16.4	16.8	16.2	15.5	21.3	28.3	33.0	35.7	37.9	35.9	32.8	30.1	27.6	26.1	26.4
Mean	26.2	25.5	24.5	25.0	24.6	26.7	26.5	26.2	26.2	23.8	21.9	19.9	19.7	21.8	24.5	29.0	32.4	33.9	33.4	32.4	30.7	28.8	27.3	26.4	26.6

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

Table 19 Agincourt

Z = 56,000 γ +

May 1946

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	371	371	371	370	370	355	329	341	353	364	373	374	371	368	364	357	352	369	377	393	401	403	394	388	370	
2	390	388	390	382	381	376	370	354	367	374	376	371	372	368	364	357	358	361	368	370	375	379	384	383	372	
3	388	382	378	377	377	375	373	371	371	372	375	374	373	367	370	365	360	361	373	385	394	388	384	383	375	
4	383	379	381	377	375	364	371	373	367	341	354	367	364	364	364	361	364	361	363	364	370	381	384	378	368	
5	371	371	371	370	370	370	371	370	370	369	370	370	365	364	360	364	364	364	367	370	377	387	381	375	370	
6 D	372	375	349	349	365	359	131	241	299	335	328	341	360	365	362	367	371	370	368	365	367	367	387	381	345	
7	374	370	361	370	274	621	607	184	231	334	381	367	355	355	364	366	362	363	365	371	375	371	373	371	370	
8	376	375	366	336	336	241	150	191	306	353	367	355	345	361	360	358	363	371	379	389	394	399	412	427	346	
9 D	411	396	365	307	309	329	307	253	283	323	300	302	306	301	317	330	356	405	479	494	476	473	439	422	362	
10	417	406	402	389	381	339	284	344	365	378	376	371	372	376	370	368	371	367	363	366	372	375	374	371	371	
11 D	372	376	374	374	313	269	215	200	109	342	360	365	365	355	359	353	353	365	375	370	379	380	379	381	337	
12	379	375	375	372	362	365	371	375	371	366	361	361	366	365	366	368	372	373	376	382	382	380	376	379	372	
13	382	379	370	361	375	371	366	365	361	370	372	371	370	370	367	365	361	361	368	371	376	384	384	381	371	
14 Q	379	376	369	365	365	365	368	369	368	371	371	368	366	359	353	354	359	362	366	369	374	369	370	366	366	
15 Q	368	366	366	366	365	365	365	362	361	365	368	368	364	361	362	361	365	366	366	371	371	374	378	375	366	
16	371	371	370	366	365	361	360	365	365	367	361	351	349	346	347	349	350	352	355	359	362	367	371	371	361	
17	371	371	374	362	347	363	365	369	366	368	368	365	365	359	346	349	352	365	371	376	379	375	371	371	365	
18	371	371	345	338	355	361	363	346	356	306	326	332	341	348	355	358	359	366	365	366	373	376	376	376	355	
19 Q	370	366	366	365	365	363	364	365	365	365	364	365	365	365	366	366	365	359	360	363	368	369	370	371	365	
20	368	368	365	365	365	365	363	357	361	365	366	365	365	362	360	355	348	358	365	363	365	392	451	422	370	
21	412	415	327	355	361	331	282	253	247	247	287	332	349	339	337	341	362	371	385	408	453	435	399	386	350	
22 D	383	385	381	336	171	196	120	174	254	297	289	348	335	353	371	376	394	411	429	453	435	406	408	425	339	
23 D	412	310	356	377	385	376	364	320	308	333	354	360	348	362	356	366	376	396	436	415	423	419	431	413	376	
24	408	391	376	348	342	301	332	357	370	360	360	359	360	357	362	383	395	411	415	412	398	399	402	406	375	
25	396	385	366	356	346	341	339	361	366	373	376	371	366	366	361	360	369	378	384	386	389	394	405	396	372	
26	390	373	373	369	375	372	372	372	373	365	357	354	360	366	366	377	374	379	372	369	377	379	386	383	378	373
27 Q	373	375	373	369	370	367	357	354	366	370	372	370	369	366	360	362	360	360	364	372	378	377	375	373	368	
28	370	366	364	369	366	369	364	360	348	361	373	372	369	372	367	369	377	380	384	393	401	396	385	379	373	
29	380	373	371	372	370	348	342	351	354	348	360	362	360	357	351	349	354	354	362	377	396	401	397	390	366	
30 Q	383	381	379	375	369	366	367	367	369	373	375	376	376	373	362	349	354	359	360	373	385	400	402	412	375	
31	419	402	392	394	380	364	374	263	308	360	370	373	369	366	363	360	352	358	368	376	379	380	377	377	368	
Mean	384	378	370	364	353	355	336	323	334	352	358	361	360	360	359	360	364	370	378	384	388	389	390	387	365	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Agincourt

May 1946

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	21 20	340	15 40	264	76	18 16	39.9	12 40	16.9	23.0	21 20	406	06 37	320	86
2	18 40	339	14 00	273	66	18 48	37.0	01 00	16.2	20.8	01 00	397	07 05	352	45
3	21 37	345	15 45	273	72	18 25	34.8	13 21	18.0	16.8	20 37	396	17 03	355	41
4	20 43	322	15 44	276	46	20 30	36.1	10 54	19.4	16.7	00 50	385	09 40	322	63
5	20 14	379	23 15	288	91	23 12	34.5	04 23	18.2	16.3	22 02	393	13 32	358	35
6 D	22 30	567	06 47	157	410	06 21	35.7	08 11	06.4	29.3	22 32	458	06 43	076	382
7	00 22	394	07 39	-158	552	07 34	76.2	05 18	06.0	70.2	10 12	389	05 31	-063	452
8	19 27	359	07 23	091	268	06 02	39.5	06 37	-03.0	42.5	23 44	430	05 53	064	366
9 D	19 25	448	08 22	186	262	15 25	45.6	01 55	07.9	37.7	19 05	518	08 02	212	306
10	22 48	380	06 39	247	133	02 22	37.6	05 10	15.4	22.2	00 01	422	06 35	236	186
11 D	20 30	349	08 21	-212	561	08 29	115.6	09 28	01.9	113.7	09 47	385	08 22	-122	507
12	19 18	347	13 00	278	69	17 54	34.3	12 12	19.3	15.0	19 20	389	05 08	356	33
13	03 00	338	15 44	277	61	18 20	34.2	02 51	16.4	17.8	21 54	388	03 05	322	66
14 Q	20 25	347	15 10	279	68	17 48	35.2	12 30	17.6	17.6	00 17	380	15 12	351	29
15 Q	19 25	349	14 40	301	48	17 58	34.4	12 31	18.0	16.4	22 45	382	12 30	360	22
16	21 19	349	13 17	303	46	17 22	34.6	12 26	19.1	15.5	23 59	376	13 43	343	33
17	00 01	349	13 36	282	67	17 40	38.8	04 11	01.3	37.5	20 04	380	04 25	336	44
18	20 53	351	15 14	269	82	08 22	39.8	02 19	02.1	37.7	22 58	379	08 30	282	97
19 Q	20 35	346	15 22	286	60	18 59	33.6	13 02	15.8	17.8	22 02	371	17 35	356	15
20	22 25	466	14 30	294	172	19 58	35.0	13 22	16.1	18.9	22 37	486	16 32	345	141
21	20 57	441	08 36	168	273	08 41	43.9	02 00	06.1	37.8	20 50	483	08 40	228	255
22 D	20 22	401	06 48	-134	535	07 00	76.5	03 55	03.5	73.0	19 40	468	06 45	005	463
23 D	22 32	411	16 26	235	176	16 28	40.6	01 25	04.6	36.0	18 34	459	01 32	252	207
24	23 55	361	15 10	231	130	17 38	36.6	23 55	17.5	19.1	19 00	421	05 50	281	140
25	00 01	359	15 10	246	113	16 58	37.1	02 40	13.2	23.9	00 01	408	05 57	318	90
26	01 05	345	15 59	280	65	17 42	36.0	02 53	14.5	21.5	21 35	390	11 12	354	36
27 Q	20 51	369	14 45	292	77	18 22	37.6	12 08	18.1	19.5	20 47	380	06 56	354	26
28	19 38	378	15 00	266	112	16 18	40.4	12 27	18.6	21.8	20 42	405	08 35	342	63
29	21 03	360	15 26	285	75	19 51	36.6	11 59	15.8	20.8	21 00	403	05 48	330	73
30 Q	21 28	373	15 00	267	106	17 57	36.1	12 08	18.5	17.6	23 50	412	15 35	346	66
31	19 40	369	07 41	227	142	07 45	51.1	13 06	12.8	38.3	00 35	428	08 00	145	283
Mean		375		213	162		42.7		12.6	30.1		412		262	150
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 1946

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	333	333	330	329	322	327	324	327	334	334	331	330	327	318	307	298	305	330	337	343	344	350	339	343	329
2 Q	334	337	330	329	330	334	338	340	338	333	330	329	325	315	307	303	315	333	350	354	355	345	340	337	333
3 Q	334	342	339	338	338	337	339	338	339	341	343	346	340	326	312	307	315	329	347	355	359	355	349	343	338
4	339	339	340	337	338	331	338	333	332	333	337	338	324	305	310	308	314	330	343	348	345	343	341	314	332
5	335	335	337	336	336	338	335	335	333	333	329	329	329	330	327	324	322	330	350	361	350	397	348	369	339
6	336	343	344	343	343	338	339	336	336	329	312	304	308	303	307	304	303	314	328	338	345	351	350	345	329
7 D	336	338	339	338	339	338	340	350	354	348	339	320	329	271	224	281	248	298	355	356	338	331	333	329	324
8 D	322	300	308	301	307	320	317	295	305	323	330	334	322	322	294	322	324	338	353	358	373	360	332	353	326
9	343	330	318	322	309	302	297	310	335	329	333	332	315	290	291	296	310	324	326	333	335	335	336	336	320
10	333	330	334	330	328	329	324	330	333	329	329	328	316	314	305	302	307	343	370	360	367	355	346	335	333
11	333	338	344	338	345	333	318	316	320	315	314	323	321	308	307	300	302	330	354	368	373	366	354	348	332
12 D	346	343	340	343	338	344	355	340	341	345	333	317	318	320	290	286	319	328	336	352	365	371	369	343	337
13	327	318	296	297	289	284	329	329	325	318	303	325	308	312	305	312	317	341	359	361	364	355	345	341	323
14	340	338	338	338	334	334	330	336	319	334	339	335	324	314	310	307	314	328	344	334	341	348	344	337	332
15	333	334	334	338	336	337	341	339	328	335	334	338	338	332	311	307	308	323	333	338	359	357	349	341	334
16	344	347	344	346	344	348	352	349	346	327	320	333	339	325	323	311	318	333	352	383	423	419	391	394	351
17	385	320	309	325	300	297	325	326	322	314	308	303	302	300	289	283	294	307	327	339	351	359	348	338	320
18	351	330	307	318	329	319	329	331	331	322	318	319	312	320	312	303	307	312	324	360	394	397	400	385	335
19 D	363	330	275	289	302	285	302	307	238	267	290	267	305	295	271	269	298	320	337	360	361	373	378	364	310
20	365	329	315	322	320	319	317	316	312	312	312	315	312	309	302	295	300	312	339	353	367	366	348	338	325
21	352	337	315	316	334	300	325	315	322	316	324	312	303	300	297	291	295	307	330	343	363	348	369	363	324
22	346	343	336	341	330	332	333	332	327	327	330	337	331	325	324	311	305	307	334	348	343	337	337	341	332
23 Q	333	329	333	334	333	334	339	338	320	317	322	317	310	311	306	303	310	317	325	327	334	338	339	338	325
24 Q	338	338	339	339	342	338	335	335	334	338	343	343	338	329	322	318	318	323	334	351	369	370	376	363	340
25	346	348	346	346	324	317	330	325	320	326	333	329	320	309	290	277	275	292	329	343	350	345	342	334	325
26	344	339	341	337	340	330	328	334	343	341	336	340	344	326	297	301	312	329	338	339	343	339	354	344	334
27	343	346	348	344	345	350	353	336	304	297	335	328	312	307	297	297	291	305	324	371	343	334	348	348	329
28	348	354	351	356	356	354	341	343	347	343	339	339	339	337	338	337	336	348	360	365	374	331	355	369	348
29 D	378	372	366	359	333	318	315	318	292	292	300	307	307	302	257	232	258	336	409	458	477	433	322	297	335
30 Q	294	303	309	312	321	323	320	319	315	315	318	315	308	302	289	287	300	309	316	329	340	323	333	337	314
31																									
Mean	342	336	330	332	329	326	330	329	325	324	325	324	321	312	301	299	305	322	342	354	361	358	351	345	330

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt

D = 7° W + . . . '

June 1946

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	24.4	25.8	26.3	25.1	23.0	22.3	23.1	26.4	26.6	24.6	21.3	18.6	18.2	18.4	20.8	24.3	29.2	33.2	35.2	34.4	31.6	29.5	27.6	25.7	25.6	
2 Q	27.0	26.7	20.1	23.0	25.3	27.1	26.5	27.9	27.6	24.4	20.5	17.6	17.5	19.7	23.0	27.5	30.4	32.6	32.9	33.0	32.9	30.8	28.4	26.8	26.3	
3 Q	26.4	26.1	26.7	26.8	26.7	26.4	25.3	24.8	24.6	23.7	21.3	18.6	17.0	18.5	21.6	26.1	30.7	31.9	30.3	28.6	27.3	27.0	26.6	25.6	25.3	
4	25.7	25.7	26.0	26.4	25.8	25.7	25.7	24.8	23.0	20.3	18.5	19.0	18.1	21.2	25.8	25.9	29.5	32.6	31.6	31.5	30.6	30.1	28.3	27.4	25.8	
5	26.6	26.5	26.7	26.6	26.4	26.3	25.8	25.7	25.2	25.6	22.6	19.9	18.2	17.5	20.3	25.0	29.3	32.2	33.0	32.2	28.9	28.1	29.4	26.2	26.0	
6	21.0	24.8	25.8	26.7	26.7	25.5	24.9	25.6	28.4	22.8	19.0	21.7	22.1	26.0	26.3	27.3	30.4	31.3	32.2	31.7	30.3	28.0	26.0	24.5	26.2	
7 D	22.8	23.9	26.0	26.1	25.3	24.5	25.7	25.3	23.7	22.7	21.0	23.7	20.3	24.9	34.2	27.1	34.2	39.2	29.8	25.6	27.5	27.1	26.7	25.3	26.3	
8 D	23.9	17.5	18.2	21.4	20.6	25.8	18.1	20.3	30.1	23.9	17.0	11.9	19.0	17.9	18.5	30.7	28.4	34.0	29.8	29.1	27.2	27.6	29.9	29.3	23.7	
9	29.4	28.4	24.4	31.9	21.3	19.3	23.3	35.7	25.5	29.4	21.3	18.5	18.8	23.6	29.4	31.0	27.6	29.8	28.9	27.5	26.6	26.4	26.2	26.2	26.4	
10	26.6	27.1	27.1	25.6	26.8	27.1	26.6	26.3	26.2	25.8	23.9	20.7	20.3	22.0	23.8	26.8	30.4	32.6	27.6	30.4	29.7	28.9	27.6	27.3	26.5	
11	27.1	26.7	26.6	23.5	20.7	22.2	24.8	34.0	26.1	22.8	27.3	20.1	18.9	23.0	25.7	30.3	32.1	34.4	34.9	32.6	30.6	28.3	26.1	25.4	26.8	
12 D	25.3	25.7	25.3	24.7	19.3	20.1	25.7	23.0	23.5	23.9	25.2	28.0	23.6	23.1	21.7	29.8	34.5	34.7	34.6	32.8	30.1	27.3	20.0	23.9	26.1	
13	21.6	20.8	17.5	17.6	17.6	17.7	24.0	25.2	24.4	28.3	34.9	19.7	21.3	23.3	24.3	27.0	29.4	30.5	31.1	29.4	27.7	26.3	25.7	25.9	24.6	
14	26.2	27.1	27.2	26.4	24.4	23.0	24.3	25.8	29.4	21.3	19.9	18.5	18.5	20.3	23.1	23.9	24.8	27.4	28.5	29.7	30.0	29.8	28.0	28.0	25.3	
15	27.5	27.2	27.1	26.2	23.1	25.5	26.2	31.9	26.2	27.6	24.9	19.8	18.9	19.0	20.3	27.0	30.4	33.2	33.1	31.2	29.2	28.2	26.7	25.5	26.4	
16	25.3	26.7	27.3	27.1	27.2	26.7	26.6	27.7	29.0	24.3	28.8	18.9	18.0	17.5	22.1	25.6	31.2	34.1	38.2	35.5	31.3	27.1	28.4	25.3	27.1	
17	21.0	13.7	11.0	21.6	30.3	08.2	13.7	22.8	24.0	22.1	18.2	15.9	16.4	18.2	22.6	28.3	31.7	34.4	34.0	34.4	33.9	31.2	29.4	29.8	23.6	
18	23.4	15.7	20.6	26.5	24.0	16.9	24.8	25.3	25.4	26.1	22.0	17.5	15.3	18.4	22.1	25.2	27.2	32.0	38.2	35.4	33.8	30.3	30.3	25.7	25.1	
19 D	29.4	29.2	26.1	21.1	23.9	29.7	24.4	23.9	35.4	34.8	24.7	25.8	21.5	16.9	18.8	23.3	25.6	25.2	25.4	25.3	26.5	24.2	28.0	27.6	25.7	
20	25.9	26.2	28.9	28.3	22.9	24.0	25.8	25.4	26.1	26.2	22.9	20.7	20.0	19.6	20.0	22.0	26.0	30.0	32.1	32.3	30.4	30.3	30.2	29.8	26.1	
21	26.2	23.7	23.6	23.0	23.2	20.5	23.8	22.7	27.5	28.0	22.0	20.2	18.8	17.5	19.7	21.5	26.2	32.7	34.5	33.5	31.4	29.6	28.0	26.9	25.2	
22	28.1	27.8	27.9	26.7	24.5	26.0	25.7	25.7	25.2	23.8	20.2	17.4	15.2	14.3	18.3	21.5	25.2	31.1	31.6	29.8	32.0	32.1	30.3	28.5	25.3	
23 Q	27.4	27.6	27.3	27.9	27.1	27.1	26.2	28.8	24.4	25.3	23.7	20.5	19.7	20.1	22.9	25.6	28.5	31.2	33.2	34.7	34.1	32.6	30.8	28.8	27.3	
24 Q	27.1	26.8	26.6	26.8	26.5	26.4	26.4	25.9	25.2	24.2	23.2	21.1	20.1	19.5	21.0	24.6	28.6	31.9	34.4	34.2	32.4	30.6	28.3	27.0	26.6	
25	25.7	26.9	27.9	27.1	22.6	25.6	25.7	25.1	27.3	23.8	19.9	17.9	18.0	17.3	18.6	21.7	26.6	36.3	37.8	36.1	32.0	27.8	25.1	24.3	25.7	
26	24.2	25.6	26.4	23.5	22.5	22.8	25.2	26.9	26.2	23.8	20.1	16.7	15.6	16.7	19.4	27.9	32.8	36.5	37.7	32.9	29.2	26.1	23.4	20.9	25.1	
27	24.0	26.1	27.3	27.1	26.5	27.1	26.4	26.1	20.8	27.4	23.3	17.0	16.4	17.8	19.0	24.2	29.2	32.6	35.6	32.8	36.1	33.7	28.3	27.8	26.3	
28	26.5	26.0	26.3	25.2	23.7	24.4	24.2	26.3	26.3	21.7	19.1	15.9	13.7	14.7	18.6	20.0	21.9	22.4	25.4	28.6	29.6	31.1	30.8	29.5	23.9	
29 D	27.9	28.9	30.4	28.5	27.3	21.0	23.9	14.3	17.2	20.0	20.3	12.8	15.6	20.0	26.5	24.0	34.1	25.8	14.5	14.3	14.6	14.8	28.1	30.3	22.3	
30 Q	29.7	29.6	29.5	28.9	27.8	28.4	26.9	28.1	27.2	25.1	21.7	19.0	17.9	17.9	20.2	23.7	26.4	30.4	31.9	32.3	30.1	30.9	28.2	26.8	26.6	
31																										
Mean	25.8	25.3	25.2	25.5	24.4	23.8	24.6	25.9	25.9	24.8	22.2	19.1	18.4	19.5	22.2	25.5	29.2	31.8	32.0	31.1	30.0	28.5	27.7	26.7	25.6	

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

Table 23 Agincourt

$Z = 56,000 \gamma +$

June 1946

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	377	374	371	369	359	340	350	363	364	369	363	368	366	367	362	358	356	360	367	369	369	368	368	373	364	
2 Q	367	366	357	357	362	362	363	357	350	355	356	359	359	359	354	350	346	346	354	354	356	361	363	364	357	
3 Q	362	363	360	361	360	360	357	357	357	360	360	360	356	356	351	347	356	358	362	366	365	366	363	363	359	
4	362	360	362	360	356	359	351	338	348	351	360	357	356	356	347	337	340	347	356	366	365	367	369	368	356	
5	362	359	359	358	358	357	357	356	356	355	351	351	350	352	355	353	351	346	347	354	357	366	380	387	357	
6	386	373	365	362	354	354	356	356	332	309	316	330	330	326	338	341	350	359	363	367	367	362	362	365	350	
7 D	363	365	362	362	359	358	360	358	353	344	340	308	290	300	311	314	336	354	375	385	380	396	398	401	353	
8 D	407	399	321	347	345	334	331	324	337	361	351	337	329	322	328	338	340	343	347	357	375	386	392	387	351	
9	381	376	375	254	329	286	288	286	337	329	345	358	357	358	354	362	364	366	369	374	375	380	381	375	348	
10	370	366	366	363	363	363	362	360	361	361	359	357	354	351	351	355	361	357	355	357	357	355	360	360	360	
11	363	363	363	360	327	328	342	310	324	342	340	340	339	345	351	351	346	357	358	359	360	358	364	364	348	
12 D	364	360	360	360	352	345	358	357	363	361	357	341	340	342	347	357	367	376	390	401	420	427	440	413	371	
13	403	391	355	325	317	310	325	367	368	354	297	341	351	354	358	361	361	369	372	369	373	374	371	371	355	
14	370	367	364	363	363	351	348	342	321	347	363	358	354	353	351	339	341	345	354	361	366	369	368	364	355	
15	362	361	363	361	358	358	352	322	343	355	351	355	351	351	349	356	351	349	351	361	373	374	375	373	356	
16	368	363	360	358	358	357	355	345	329	339	331	333	337	340	339	342	348	348	358	368	394	424	437	447	362	
17	470	399	353	374	285	316	362	362	381	378	374	373	369	370	370	362	357	354	351	357	363	369	378	376	368	
18	376	368	373	383	357	360	369	363	362	354	346	357	357	363	363	362	364	370	395	410	432	446	452	460	381	
19 D	454	407	369	374	364	295	317	343	265	271	310	325	358	372	369	377	379	382	383	406	423	432	411	400	366	
20	386	382	372	347	355	364	368	366	364	356	358	364	364	370	374	368	364	364	363	375	381	379	378	368	368	
21	371	361	359	358	359	324	346	309	295	332	356	358	362	364	365	359	361	366	365	377	388	388	394	397	359	
22	387	383	356	361	364	362	363	364	365	368	368	368	369	370	372	368	367	365	362	371	375	375	375	373	369	
23 Q	368	361	365	362	362	362	355	322	330	352	362	364	368	369	365	365	365	359	353	352	362	365	368	365	359	
24 Q	362	362	362	360	359	358	359	359	362	363	368	364	361	354	353	353	356	354	355	357	365	367	364	361	360	
25	362	361	361	361	363	364	358	342	325	322	356	363	364	358	356	355	359	368	370	361	358	358	364	366	357	
26	369	367	353	349	338	338	343	358	358	353	349	346	342	335	341	346	353	353	348	355	364	365	374	381	353	
27	377	367	359	357	358	350	321	287	274	293	337	353	353	354	356	357	354	359	377	386	390	389	379	352		
28	368	365	365	363	360	357	348	340	347	359	364	359	354	347	327	330	330	343	353	359	360	368	366	369	354	
29 D	370	367	376	389	390	383	359	349	337	332	330	339	335	327	333	334	389	471	520	521	513	502	418	376	390	
30 Q	371	363	359	357	362	353	350	360	365	370	371	368	364	356	353	353	356	359	365	371	377	370	375	370	363	
31																										
Mean	378	370	361	357	353	347	350	344	342	346	349	351	351	351	345	351	355	361	367	374	380	384	383	380	360	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt

June 1946

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 31	358	16 10	292	66	18 56	37.0	12 13	17.9	19.1	00 17	380	06 05	333	47
2 Q	20 33	368	15 13	300	68	19 42	33.5	02 33	13.3	20.2	00 01	367	16 25	344	23
3 Q	20 26	359	15 28	304	55	17 32	31.9	12 43	15.8	16.1	19 42	368	15 00	344	24
4	06 15	401	13 28	297	104	17 32	33.4	13 08	16.2	17.2	22 18	369	07 35	332	37
5	20 13	440	16 04	314	126	19 20	33.4	13 33	17.0	16.4	23 28	392	17 24	343	49
6	21 50	356	13 03	295	61	18 34	33.3	10 23	17.5	15.8	00 35	393	09 45	303	90
7 D	11 58	380	14 17	179	201	17 13	45.6	11 55	15.9	29.7	23 23	403	12 20	281	122
8 D	20 29	429	14 41	257	172	17 26	38.5	10 52	10.1	28.4	00 57	412	02 15	278	134
9	00 16	364	06 03	271	93	07 15	43.0	03 05	11.9	31.1	01 10	387	03 20	190	197
10	18 42	384	15 45	295	89	17 08	34.9	12 32	19.2	15.7	00 01	373	13 55	347	26
11	21 02	376	16 30	294	82	07 16	43.0	04 37	16.8	26.2	23 55	367	07 23	298	69
12 D	20 46	386	15 13	266	120	17 35	36.3	05 00	08.5	27.8	22 25	468	11 55	334	134
13	20 37	370	05 23	266	104	10 05	43.2	02 51	13.3	29.9	00 03	407	06 05	264	143
14	18 35	358	14 12	304	54	08 24	38.5	12 28	17.4	21.1	00 01	371	08 37	305	66
15	20 50	371	16 02	297	74	07 27	37.2	12 52	15.7	21.5	22 00	376	07 25	298	78
16	21 10	471	15 46	303	168	18 17	39.5	13 00	15.5	24.0	23 58	459	10 50	319	140
17	00 21	411	01 22	264	147	04 40	50.3	02 09	11.3	61.6	00 22	593	04 36	117	476
18	23 08	436	15 37	291	145	18 07	39.1	01 38	10.0	29.1	23 10	504	04 40	337	167
19 D	20 42	392	08 57	204	188	05 25	44.3	13 27	15.4	28.9	00 22	464	09 04	225	239
20	20 15	380	15 56	278	102	18 13	32.9	14 17	17.2	15.7	00 21	397	03 50	332	65
21	20 18	392	17 05	284	108	09 02	36.5	05 42	13.8	22.7	23 15	402	08 48	265	137
22	01 36	361	17 19	297	64	20 52	34.3	13 45	12.4	21.9	00 01	393	02 33	336	57
23 Q	07 00	350	14 37	302	48	19 47	35.4	12 58	17.8	17.6	13 11	370	07 53	305	65
24 Q	22 22	400	15 44	315	85	18 48	36.0	13 19	19.4	16.6	22 07	376	14 50	353	23
25	00 01	354	16 27	267	87	18 52	39.3	13 18	16.2	23.1	18 02	372	08 57	304	68
26	22 42	361	14 51	289	72	18 12	39.7	12 58	13.5	26.2	23 48	385	04 20	328	57
27	19 35	411	09 38	277	134	21 08	38.1	11 48	15.5	22.6	21 33	407	09 28	253	154
28	20 47	392	04 33	319	73	21 12	32.3	13 04	10.6	21.7	00 01	374	15 08	324	50
29 D	20 50	534	15 58	209	325	16 49	38.2	21 09	04.9	33.3	21 02	593	10 32	318	275
30 Q	20 37	350	14 24	281	69	19 00	33.5	12 51	17.0	16.5	20 42	378	14 27	350	28
31															
Mean		390		280	110		37.7		13.8	23.9		410		302	108
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 1946

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	332	329	332	332	332	329	331	330	327	328	332	334	329	321	307	295	291	301	316	322	331	337	344	344	325	
2	339	335	334	333	328	318	324	319	311	316	327	330	319	321	306	295	296	304	332	342	337	337	342	342	324	
3	335	340	343	338	345	335	338	324	310	296	282	323	316	310	311	328	324	326	333	336	340	337	342	342	327	
4 Q	342	342	343	338	333	337	335	337	337	336	332	325	316	317	316	304	295	300	316	330	345	354	348	347	330	
5 Q	346	341	336	331	334	335	335	333	333	335	338	335	331	315	310	300	295	299	307	321	330	333	341	346	327	
6	345	341	343	343	340	343	342	340	337	336	340	333	325	317	321	319	311	321	332	341	357	341	333	345	335	
7 D	343	345	341	355	319	265	340	349	341	346	329	298	319	324	321	327	320	305	331	396	426	425	433	409	346	
8	361	325	320	310	297	289	282	284	289	289	302	315	311	297	313	300	300	292	307	317	332	346	343	346	311	
9	341	347	357	366	354	354	357	361	348	350	329	319	313	321	313	290	300	322	333	331	355	350	338	349	337	
10	337	329	331	322	326	327	327	330	331	329	325	340	335	325	316	301	282	263	291	310	323	328	343	331	321	
11	326	335	313	309	315	323	333	326	316	320	325	326	322	320	316	317	331	359	340	342	355	358	342	340	329	
12	331	331	332	322	315	309	306	306	309	317	321	316	304	294	294	289	289	289	316	328	338	342	348	343	316	
13 Q	336	332	332	332	333	330	330	329	329	335	331	330	325	317	304	291	298	309	323	331	345	352	352	348	328	
14	341	341	341	346	345	343	345	348	340	330	342	333	333	315	281	321	315	322	351	358	351	351	338	336	336	
15	334	341	338	349	349	331	338	333	325	320	316	309	306	292	283	286	296	304	308	322	334	339	337	333	322	
16	333	337	335	336	336	335	330	331	330	325	324	321	318	311	302	277	311	346	357	357	352	364	353	346	332	
17	353	342	333	330	332	331	306	314	301	299	309	314	311	295	303	290	292	296	310	331	345	342	355	345	320	
18 D	335	337	335	335	338	333	332	328	330	342	329	325	324	309	269	246	268	280	321	315	356	374	373	349	324	
19	329	304	331	314	301	269	254	274	255	284	283	256	259	263	270	274	280	291	306	320	329	343	353	342	295	
20 Q	340	329	330	327	326	326	326	326	326	327	328	329	322	311	305	294	300	325	341	347	351	362	356	357	329	
21	338	337	333	330	326	329	322	320	317	325	323	320	310	302	287	284	292	326	332	342	346	342	355	329	324	
22	331	337	346	337	354	330	328	328	321	325	321	311	300	293	287	289	306	328	340	354	390	366	376	382	333	
23	356	336	342	344	339	335	332	337	327	324	329	321	338	324	315	304	319	305	317	339	357	367	355	344	334	
24	334	331	331	331	331	340	335	332	332	332	335	327	314	310	306	303	308	324	337	341	351	349	345	340	330	
25	341	351	351	345	345	340	336	326	320	323	319	322	327	321	306	293	279	281	325	381	395	386	384	382	337	
26 D	362	336	346	331	319	310	296	323	325	303	306	305	306	281	299	281	281	300	304	247	536	505	515	684	351	
27 D	837	909	703	363	229	013	353	144	208	270	249	224	217	221	203	213	231	263	219	275	282	272	268	272	281	
28	268	273	272	272	275	270	271	273	273	274	264	237	212	248	258	262	263	264	296	313	332	362	346	322	279	
29 D	316	320	306	316	320	305	276	239	305	296	284	284	278	278	273	255	195	192	284	309	332	332	325	325	289	
30	320	322	321	308	293	295	308	300	291	301	301	301	293	234	264	255	238	284	299	315	328	327	321	317	298	
31	335	322	319	315	314	314	314	312	316	319	310	308	299	280	269	257	260	279	296	315	340	347	354	336	309	
Mean	353	351	344	331	324	311	300	315	315	318	316	313	308	300	295	289	289	300	317	330	353	354	354	354	322	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

D = 7° W + . . . '

July 1946

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	27.2	28.0	27.8	27.3	27.1	27.7	27.2	27.9	27.0	25.2	20.4	18.1	19.1	19.3	23.6	25.9	28.9	30.1	31.6	34.1	33.0	30.6	28.4	27.2	26.8
2	25.9	25.8	26.0	24.0	20.5	24.9	28.7	31.2	23.2	20.1	20.8	22.3	24.9	19.8	21.3	24.1	26.8	30.4	31.9	30.5	29.6	28.7	28.0	26.8	25.7
3	26.4	25.4	24.8	24.5	24.5	22.5	23.9	33.0	33.0	29.3	29.9	16.7	18.1	22.3	19.7	24.9	27.3	28.9	30.5	31.7	30.4	29.9	28.7	28.0	26.4
4 Q	27.4	27.2	27.1	27.6	27.1	26.0	25.8	25.4	24.9	24.1	23.0	22.1	19.2	17.5	19.6	23.3	25.4	28.8	31.4	32.8	32.6	30.0	27.9	26.6	25.9
5 Q	25.7	26.3	25.6	26.2	26.3	26.3	25.7	25.5	24.9	23.5	20.6	17.8	16.8	17.2	20.6	22.9	29.0	30.4	31.2	30.1	30.3	29.4	28.0	26.5	25.3
6	26.2	26.3	26.2	26.3	25.4	24.7	24.9	25.1	24.9	23.8	21.7	20.2	19.7	20.9	22.6	24.7	28.8	30.6	31.0	31.3	29.4	28.5	28.0	26.0	25.7
7 D	26.0	26.2	23.2	17.8	17.8	26.7	17.8	17.1	19.7	16.9	11.5	19.7	19.7	18.8	24.5	25.9	29.1	25.0	27.2	26.0	25.8	24.5	26.6	27.0	22.5
8	23.9	23.0	27.9	27.6	26.8	26.2	25.0	22.5	22.6	20.3	18.8	17.9	17.9	20.5	19.7	21.2	25.8	31.7	32.5	32.8	29.5	27.6	28.1	26.2	24.8
9	24.4	24.3	14.1	25.0	26.5	26.8	25.5	22.1	18.8	16.7	15.9	22.6	22.0	21.1	23.2	27.1	33.5	32.5	32.1	31.6	28.9	27.6	25.3	22.9	24.6
10	23.9	25.3	22.3	25.0	26.8	27.7	27.2	27.8	28.7	25.9	22.6	16.3	12.9	14.3	15.9	22.6	25.6	33.2	34.4	31.9	29.6	28.0	25.1	24.6	24.9
11	26.2	25.9	17.7	27.4	24.6	24.8	23.9	26.4	25.9	22.3	23.5	20.7	18.7	21.4	24.4	27.3	28.9	28.7	29.7	32.0	27.0	24.5	23.8	24.1	25.0
12	26.7	27.1	26.8	25.7	25.2	26.3	22.6	23.1	25.7	23.8	21.1	18.9	17.6	18.4	21.0	25.4	29.3	32.9	32.9	32.3	30.6	28.7	26.5	24.1	25.6
13 Q	24.8	25.3	26.1	26.1	26.3	26.4	27.2	27.2	26.3	25.1	25.0	21.0	16.0	12.5	15.0	18.8	26.0	29.0	30.7	30.8	28.7	26.0	24.5	24.5	24.6
14	25.3	25.9	24.4	25.2	25.3	23.7	25.2	22.9	20.6	19.1	26.1	20.7	16.9	14.6	31.0	36.4	36.3	39.7	38.7	35.5	32.6	28.0	26.8	26.4	26.9
15	27.3	28.3	27.0	26.4	21.7	21.5	24.6	24.4	23.0	21.5	17.5	15.8	15.1	14.0	17.8	23.6	29.8	32.9	33.9	33.8	32.4	29.3	27.1	26.5	24.8
16	26.4	26.9	26.9	27.0	26.4	26.6	26.1	25.6	24.6	23.8	24.2	21.4	18.6	22.3	27.4	30.0	36.2	32.0	32.4	31.7	31.8	29.8	27.5	26.4	27.2
17	26.9	21.6	25.8	26.7	26.0	25.9	19.1	24.3	24.2	30.8	18.3	14.3	12.6	15.4	18.3	20.4	22.4	31.5	33.8	34.2	31.8	30.1	26.7	26.5	24.5
18 D	28.2	28.4	26.5	26.8	27.7	26.6	27.4	27.2	22.8	19.0	16.1	15.1	16.1	13.5	23.5	31.8	37.2	37.8	41.4	34.4	26.9	21.5	21.8	26.0	
19	21.8	12.1	22.7	21.8	19.7	19.6	31.5	32.7	30.5	35.7	35.7	33.9	30.5	22.7	25.5	28.1	31.5	33.8	33.5	32.1	31.5	28.0	26.0	23.5	27.7
20 Q	23.3	26.0	27.7	28.7	28.7	28.4	27.9	27.3	26.3	25.3	23.6	21.6	20.6	20.5	23.3	26.5	32.6	32.3	30.7	30.7	30.5	27.8	26.2	24.8	26.7
21	27.5	27.8	26.8	26.0	28.1	29.1	25.1	24.2	23.2	20.9	17.9	17.6	15.6	16.1	19.9	23.3	29.0	32.1	32.3	31.2	29.7	27.7	26.9	27.7	25.2
22	26.6	27.8	26.9	26.8	22.6	24.6	25.2	26.0	26.8	25.1	20.7	16.9	16.0	18.8	24.8	28.1	32.4	36.2	38.1	35.7	33.7	28.9	26.1	23.3	26.6
23	28.0	28.4	27.6	27.6	27.1	25.3	25.2	24.8	23.4	22.0	19.8	25.6	17.7	16.9	18.0	20.9	25.1	29.0	29.8	31.6	29.5	27.2	26.2	24.3	25.0
24	25.3	26.3	27.1	25.9	26.6	26.8	25.5	26.5	25.9	24.1	21.4	19.1	19.0	21.9	24.9	27.8	30.7	32.3	31.3	29.6	27.0	25.0	24.0	25.0	25.8
25	26.7	26.9	25.3	23.6	25.9	26.6	25.0	23.2	30.5	23.5	17.7	16.3	14.0	16.2	21.1	27.5	34.5	43.7	47.3	39.4	34.4	29.5	25.0	21.4	26.9
26 D	20.3	22.7	28.4	26.5	24.0	22.0	21.3	22.0	25.9	26.3	22.0	15.0	10.9	13.8	18.3	22.2	29.8	33.6	17.7	-14.4	41.2	38.4	34.7	14.7	22.4
27 D	21.6	09.9	37.0	28.9	71.1	71.3	69.1	26.2	24.5	20.5	15.1	13.5	17.4	21.0	28.2	31.1	35.3	37.8	36.8	36.8	34.0	32.0	28.6	29.0	32.4
28	30.6	30.1	30.7	30.1	30.4	29.5	29.5	29.0	28.3	26.3	23.4	22.0	22.1	17.5	19.1	23.1	29.9	33.3	34.5	32.1	32.5	24.8	25.5	23.0	27.4
29 D	27.2	28.7	27.8	21.0	27.1	37.6	30.3	36.5	31.7	29.5	24.8	19.4	15.5	16.2	19.4	25.5	26.7	26.4	37.5	37.4	31.6	28.3	26.1	20.7	27.2
30	20.4	21.9	19.4	19.9	24.5	28.3	29.2	34.6	38.3	32.1	24.4	17.2	16.1	21.0	22.2	26.4	30.8	32.1	35.9	35.5	33.7	30.8	27.2	24.8	27.0
31	21.0	20.3	25.8	27.6	28.1	28.2	28.1	27.5	27.3	28.5	26.7	22.1	19.8	20.4	20.2	23.7	29.8	35.8	37.6	35.8	32.2	28.0	22.9	17.5	26.4
Mean	25.5	25.0	25.8	25.7	27.0	27.7	27.1	26.4	26.0	24.4	21.7	19.4	17.9	18.4	21.4	25.2	29.7	32.4	33.1	31.6	31.3	28.5	26.6	24.6	25.9

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

Table 27 Agincourt

$z = 56,000 \gamma +$

July 1946

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	369	365	359	359	357	356	356	357	362	363	365	365	359	354	347	346	346	347	357	360	363	363	367	363	359
2	360	362	360	358	338	347	338	316	338	352	359	353	343	347	352	352	356	362	365	370	370	372	368	366	354
3	364	364	360	359	347	336	351	280	260	262	242	333	344	336	343	352	350	357	363	363	363	364	369	366	339
4 Q	363	359	360	359	359	356	357	359	359	360	359	339	327	335	346	347	349	350	360	366	365	366	359	360	355
5 Q	363	360	360	360	354	355	354	354	355	357	361	357	354	349	349	350	358	360	359	359	367	369	368	367	358
6	367	362	361	360	358	354	355	355	357	358	361	361	360	351	348	344	345	351	353	360	371	364	360	360	357
7 D	359	357	354	332	315	300	301	326	354	355	345	331	327	333	339	343	344	357	402	469	505	507	495	495	373
8	462	427	404	401	383	366	361	363	366	367	368	361	361	351	362	361	366	360	360	372	371	373	367	363	375
9	361	354	331	343	350	348	338	377	336	351	355	348	337	336	333	338	354	352	357	363	371	385	389	379	354
10	367	361	344	346	354	353	349	348	342	333	325	342	348	349	347	344	344	344	354	359	355	362	371	374	351
11	366	360	350	322	336	338	330	327	322	343	345	338	339	343	342	339	344	355	360	366	373	380	380	373	349
12	363	357	354	355	356	340	328	325	330	338	351	354	349	350	349	350	348	351	357	363	367	368	363	360	351
13 Q	358	355	352	351	351	349	351	349	352	356	352	346	345	351	354	351	349	349	359	364	362	362	358	353	354
14	351	350	349	345	346	341	339	329	310	332	322	309	302	304	299	299	310	326	345	355	352	358	364	365	333
15	357	355	351	346	272	325	351	349	345	349	349	349	346	343	339	338	339	344	346	349	354	352	349	346	344
16	361	355	351	345	264	327	349	349	345	350	346	346	346	343	339	342	346	343	349	362	366	365	370	364	347
17	364	362	348	351	350	345	325	335	324	319	322	333	335	337	342	335	337	334	338	342	352	355	362	367	342
18 D	358	354	351	348	348	347	345	343	346	344	337	335	340	340	336	335	342	355	377	405	426	423	431	405	361
19	392	357	327	341	315	244	220	224	216	241	250	290	298	321	331	336	248	246	248	362	374	385	381	379	325
20 Q	372	361	356	350	349	348	347	347	350	352	356	353	353	350	350	356	356	350	353	364	362	363	362	363	355
21	356	354	353	356	356	350	342	350	350	353	352	347	342	345	348	347	356	347	342	347	350	362	371	365	352
22	362	353	349	350	314	324	343	346	346	347	346	344	342	343	342	349	353	354	361	377	391	379	378	385	353
23	373	366	353	343	346	349	350	348	347	352	353	334	332	330	322	320	330	329	334	344	355	362	359	353	345
24	350	346	343	344	342	339	338	342	344	345	346	345	345	346	345	341	342	343	349	352	355	357	356	350	346
25	348	345	344	335	341	343	338	340	332	323	333	338	333	338	338	327	314	297	321	344	363	377	384	390	341
26 D	394	380	343	337	338	290	315	338	339	320	315	324	338	344	349	350	357	358	361	500	456	443	524	600	376
27 D	534	010	252	291	324	282	266	432	467	445	444	415	392	391	390	390	390	392	385	386	390	387	383	382	367
28	379	379	379	374	374	374	374	373	373	376	373	350	324	349	361	372	374	380	393	409	403	415	391	397	377
29 D	373	367	367	341	314	211	209	235	310	343	348	361	369	374	380	384	369	414	414	396	388	388	390	393	351
30	389	373	327	264	320	302	337	333	304	332	343	361	368	363	374	363	373	386	378	382	374	374	373	367	353
31	374	369	362	362	360	361	359	359	361	365	369	371	370	365	365	364	363	371	377	377	385	383	381	378	369
Mean	374	351	350	346	340	333	333	339	340	345	345	346	344	346	347	347	350	354	361	374	377	380	382	382	354

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt

July 1946

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 +			Range		
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ
1 Q	23	01	345	15	36	292	<u>53</u>	19	17	35.0	11	57	17.6	17.4	10	47	371	16	33	340	31
2	23	20	352	15	55	288	<u>64</u>	07	17	33.2	13	47	17.9	15.3	21	45	374	09	04	301	73
3	04	46	368	10	05	251	117	08	02	42.1	12	18	14.4	27.7	01	24	371	17	50	188	183
4 Q	21	29	356	16	22	292	<u>64</u>	19	50	33.6	13	38	16.3	17.3	20	05	366	12	10	327	39
5 Q	00	01	349	16	40	292	<u>57</u>	17	15	31.5	13	03	15.7	15.8	23	00	369	14	57	344	25
6	20	47	364	16	45	307	<u>57</u>	19	05	31.7	12	17	18.9	<u>12.8</u>	20	40	374	15	00	344	30
7 D	22	54	467	05	46	170	297	23	03	43.1	06	00	07.8	35.3	23	42	528	05	30	239	289
8	00	01	421	17	10	280	141	19	07	34.2	14	10	14.4	19.8	00	05	630	13	35	344	286
9	01	49	390	15	29	283	107	17	03	35.9	02	27	06.9	29.0	21	48	391	02	14	309	82
10	22	56	361	17	15	253	108	18	14	35.9	12	34	12.3	23.6	23	00	381	10	35	320	61
11	17	46	372	02	41	293	<u>79</u>	19	24	33.3	02	45	05.6	27.7	21	58	383	07	43	297	86
12	22	37	351	15	00	284	<u>67</u>	17	51	34.2	12	28	17.1	17.1	21	28	368	07	55	320	48
13 Q	22	07	366	15	13	287	<u>79</u>	19	12	31.6	13	10	12.2	19.4	20	50	364	12	08	340	<u>24</u>
14	19	17	369	14	21	256	113	17	50	44.3	13	38	12.6	31.7	23	25	369	14	47	281	88
15	04	39	362	14	45	279	<u>83</u>	18	45	35.6	05	10	05.4	30.2	00	01	364	04	45	227	137
16	21	55	383	15	48	259	124	16	15	40.6	11	55	14.2	26.4	21	57	375	05	07	206	169
17	00	58	369	15	46	276	<u>93</u>	18	48	35.1	12	53	10.7	24.4	01	20	380	09	25	311	69
18 D	22	22	387	15	36	218	169	19	35	46.1	14	20	07.5	38.6	22	37	444	15	36	326	118
19	22	40	357	08	02	223	134	09	51	43.4	01	43	-05.8	49.2	00	01	399	08	04	170	229
20 Q	23	12	371	15	36	288	<u>83</u>	16	38	34.1	13	22	19.6	14.5	00	01	385	05	50	345	40
21	22	34	367	15	46	266	101	17	05	34.0	12	45	14.5	19.5	21	50	371	18	25	339	32
22	20	23	412	15	23	280	132	18	04	40.3	12	48	15.4	24.9	20	33	395	04	54	294	101
23	21	03	399	17	34	295	104	11	43	33.5	12	15	13.3	20.2	00	15	379	15	25	317	62
24	21	04	358	15	42	300	<u>58</u>	17	23	32.6	11	42	17.6	15.0	21	45	360	05	55	333	27
25	21	00	417	17	02	248	169	18	20	49.1	12	38	13.8	35.3	19	10	390	17	07	288	102
26 D	22	02	786	18	52	110	676	20	36	69.2	19	38	-72.6	141.8	23	03	697	05	33	252	445
27 D	01	00	<u>981</u>	06	10	-584	<u>1565</u>	05	00	<u>124.8</u>	01	07	-53.5	<u>178.3</u>	03	07	<u>996</u>	01	04	-438	<u>1434</u>
28	22	00	518	12	06	202	316	18	32	36.7	14	04	13.2	23.5	21	52	432	12	36	308	124
29 D	01	35	367	16	39	114	253	05	40	47.4	12	44	11.9	35.5	18	00	394	22	17	179	215
30	02	10	366	13	23	205	161	08	06	46.7	03	02	-01.8	48.5	01	03	398	03	15	243	155
31	22	40	358	15	57	238	120	18	25	38.1	01	26	13.3	24.8	20	24	387	05	30	358	29
Mean			412			227	185			41.5			07.3	34.2			425			269	156
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 1946

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	327	323	321	320	314	319	329	326	315	313	312	314	304	289	265	273	279	291	303	313	321	328	319	322	310	
2	325	325	325	325	325	325	325	326	329	325	325	322	311	299	290	288	300	315	331	346	343	342	329	327	322	
3	330	326	322	322	314	314	319	317	316	314	317	315	308	292	279	280	306	325	337	342	339	342	341	335	319	
4	333	333	332	334	334	334	331	331	333	334	332	334	318	293	277	279	294	307	328	337	348	345	344	334	325	
5	330	330	329	329	330	332	332	332	335	330	329	324	315	309	299	296	314	330	348	351	336	337	342	340	328	
6	340	339	333	332	334	335	334	334	334	331	324	319	303	298	302	298	301	305	314	331	337	346	345	344	325	
7 D	334	346	333	313	317	325	337	333	327	319	315	314	300	274	256	272	267	266	293	305	326	331	331	338	312	
8	330	323	326	326	325	324	323	325	319	318	318	318	320	318	307	305	318	319	326	338	330	338	334	340	324	
9	340	343	335	335	331	335	331	330	329	330	329	330	326	308	297	287	284	298	319	327	335	341	342	338	325	
10	334	334	335	334	334	334	334	334	331	330	334	331	319	299	287	281	288	305	316	334	347	344	352	326	325	
11 D	335	324	324	329	298	309	304	321	329	317	294	305	308	296	292	295	292	290	319	352	355	378	364	335	319	
12	316	309	309	320	318	324	335	309	304	311	311	309	298	286	273	272	273	288	312	327	344	358	358	312	312	
13	320	319	322	323	326	325	330	327	323	321	319	312	299	280	273	278	290	305	313	336	339	345	341	336	317	
14 D	336	340	350	330	333	330	318	343	273	272	207	180	251	274	284	268	259	285	313	353	385	401	305	317	304	
15 D	336	304	279	301	315	322	320	316	310	300	299	302	293	276	247	254	262	277	314	353	353	330	332	328	305	
16	319	315	330	320	321	323	326	321	303	294	299	307	304	283	274	267	287	307	341	366	354	350	359	336	317	
17	312	316	319	319	334	344	329	281	243	298	307	287	295	283	264	274	291	303	319	332	341	336	344	330	308	
18	326	327	321	324	324	323	321	316	318	312	307	303	298	282	268	271	287	311	336	347	354	343	336	339	316	
19	319	313	322	322	321	326	326	319	321	318	319	323	315	297	281	272	269	280	293	311	334	328	334	335	312	
20	328	334	330	324	328	329	327	326	326	323	323	318	313	296	279	283	292	311	335	349	341	336	334	331	321	
21 Q	329	334	331	327	327	329	329	329	328	326	322	316	305	292	280	274	285	301	317	329	339	343	341	339	320	
22 Q	334	334	336	334	333	331	329	330	329	328	328	321	308	290	280	279	292	319	335	345	345	342	343	338	324	
23 Q	338	335	337	335	333	334	333	333	331	329	326	323	311	291	277	274	288	311	343	359	360	354	349	347	327	
24	349	356	348	347	343	348	338	338	332	326	326	321	306	282	271	291	318	338	349	357	354	333	339	334	331	
25	340	334	333	324	327	329	324	322	318	319	319	315	302	291	281	282	291	318	340	354	350	344	334	330	322	
26 Q	333	333	332	331	332	331	330	329	327	325	322	317	302	289	283	282	296	313	332	346	339	344	340	337	323	
27	338	339	340	340	332	317	317	322	324	323	317	317	313	304	296	299	312	332	346	357	361	363	344	334	329	
28	333	328	334	325	324	326	331	328	328	327	325	321	312	293	294	291	292	306	321	342	346	337	337	354	322	
29 Q	337	335	337	337	335	338	334	333	330	329	329	323	317	307	296	288	292	311	327	329	332	334	337	339	325	
30	336	333	334	335	335	334	333	333	332	332	330	328	322	306	301	303	315	327	344	353	358	356	348	361	333	
31 D	323	317	312	286	116	122	225	326	315	304	301	310	284	247	267	271	277	291	308	318	316	315	307	312	282	
Mean	331	329	328	326	320	322	324	325	320	319	315	312	306	291	281	282	291	306	325	340	344	344	339	334	319	

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt

D = 7° W + . . . ' .

August 1946

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	20.3	22.8	25.3	26.7	27.6	28.1	29.4	30.7	30.5	28.0	24.6	22.8	20.4	18.0	19.8	24.0	30.3	34.0	35.7	36.1	33.1	29.1	26.3	23.7	27.0
2	24.5	25.5	26.4	27.1	26.4	26.7	26.4	26.2	27.2	27.4	24.6	22.0	20.8	20.1	23.7	27.7	30.8	32.1	32.1	31.0	29.9	28.1	26.2	25.5	26.6
3	24.3	24.9	25.0	24.6	25.5	26.0	24.5	26.7	25.9	24.9	20.5	19.6	18.4	19.1	22.7	28.6	31.8	33.2	34.9	34.9	33.0	30.1	26.9	25.2	26.3
4	25.9	26.3	26.9	26.9	26.3	25.5	25.1	25.4	24.8	23.7	22.1	18.8	16.9	16.1	19.9	25.3	31.4	34.5	35.6	34.6	31.4	28.7	25.4	24.5	25.9
5	25.4	25.6	25.9	25.4	25.9	26.3	25.9	27.3	26.9	25.4	23.2	20.3	16.4	15.8	20.3	25.4	30.0	30.9	31.8	31.5	30.5	27.8	25.3	24.6	25.6
6	24.8	26.0	25.8	26.0	25.4	25.4	24.4	24.8	25.7	25.4	18.4	14.0	13.1	16.4	21.8	27.2	32.0	33.3	32.1	31.2	29.4	25.6	24.7	24.8	24.9
7 D	26.3	24.8	23.3	18.1	22.3	23.2	25.6	30.2	31.6	23.0	17.9	13.9	14.3	20.9	21.8	29.4	33.3	34.7	35.3	35.7	32.2	30.1	27.0	24.9	25.8
8	25.7	26.2	26.3	26.5	26.2	26.6	26.3	27.8	25.7	25.3	23.2	21.2	19.8	19.2	20.7	24.2	27.1	31.1	31.7	30.6	28.5	27.5	28.7	26.9	26.0
9	26.5	26.4	27.1	27.1	26.2	25.6	24.7	24.6	23.4	22.2	20.2	17.8	17.1	17.7	19.6	25.6	30.1	34.6	34.3	33.5	31.9	28.3	25.2	24.5	25.6
10	25.7	26.6	27.3	26.6	26.5	26.0	25.2	24.7	23.7	22.2	20.2	15.6	14.0	14.7	19.2	26.2	30.4	33.4	35.0	34.6	30.2	27.3	23.9	24.2	25.2
11 D	24.5	20.5	25.0	25.4	16.0	21.5	23.5	20.9	25.6	21.2	21.4	17.2	16.8	15.6	23.6	29.7	32.3	37.9	38.4	35.2	33.5	29.3	25.1	27.7	25.3
12	21.9	24.2	27.0	25.5	25.2	26.4	28.3	26.2	32.0	22.8	18.8	16.2	16.4	17.9	21.4	28.3	34.6	38.2	37.5	36.1	33.3	29.6	25.2	26.2	26.5
13	26.5	25.5	25.3	25.0	27.0	28.3	31.7	28.3	25.8	22.9	21.0	19.0	18.2	20.6	25.5	29.5	34.2	36.0	36.4	35.0	32.3	28.3	25.6	25.1	27.3
14 D	25.5	26.4	25.5	24.6	26.4	25.5	23.4	34.9	16.7	11.6	27.3	17.1	07.4	14.0	18.1	25.4	34.0	38.1	37.3	36.2	35.5	23.6	26.3	27.2	25.4
15 D	27.2	22.5	21.5	21.9	26.0	28.2	27.3	26.9	25.4	24.2	23.7	18.6	16.3	16.3	17.8	26.1	29.3	40.0	40.0	36.3	34.5	31.0	27.7	24.6	26.4
16	25.4	22.5	26.4	22.4	23.6	25.4	26.0	27.1	24.9	26.8	22.1	17.0	14.0	15.5	21.9	26.4	32.2	35.4	35.4	35.5	31.4	31.8	24.9	24.6	25.8
17	27.7	27.4	26.7	24.8	23.0	29.4	29.0	18.5	39.0	26.3	18.5	20.6	14.8	15.3	23.0	29.1	33.1	36.7	35.9	33.2	30.6	27.1	23.6	25.0	26.6
18	25.8	26.0	24.7	25.5	26.2	26.7	28.0	28.0	24.7	23.3	20.9	18.9	15.6	14.9	18.2	25.7	31.8	34.4	34.7	33.0	29.4	26.5	25.4	25.4	25.6
19	25.2	26.6	27.5	27.1	27.1	29.0	26.8	25.5	24.7	23.8	21.4	18.9	17.4	17.8	20.2	25.3	30.8	34.4	36.6	34.8	31.3	28.0	25.5	25.0	26.3
20	25.9	24.9	23.8	24.7	26.0	25.3	25.1	25.0	24.1	23.5	21.7	18.1	16.4	16.2	18.9	25.1	30.4	33.9	34.0	32.0	29.9	26.6	24.8	24.9	25.0
21 Q	25.4	25.7	25.0	24.8	25.2	25.9	25.2	24.7	24.7	24.3	21.5	15.3	13.2	15.4	19.7	26.8	32.7	34.7	34.8	33.4	30.6	27.5	25.5	23.8	25.2
22 Q	24.3	26.1	25.7	23.7	26.1	25.3	25.2	23.9	23.4	22.6	21.0	17.9	15.7	16.4	21.9	28.2	32.4	33.8	33.3	31.6	28.9	26.1	25.1	25.2	25.1
23 Q	25.7	26.3	26.3	26.3	25.5	24.6	24.2	23.3	22.7	21.8	20.0	16.8	15.6	17.3	21.4	28.7	33.6	35.5	33.3	29.7	26.0	23.3	23.3	24.3	24.8
24	25.2	26.8	26.9	26.3	25.1	24.2	23.3	20.9	20.8	19.9	18.1	15.3	13.3	15.1	21.2	30.7	33.9	35.4	34.5	31.5	27.0	24.2	24.5	25.0	24.6
25	24.1	26.6	23.6	23.6	24.1	24.4	22.9	21.4	21.6	21.0	19.8	16.9	15.8	18.6	22.6	28.7	33.3	36.8	34.5	31.4	26.7	24.1	24.0	24.5	24.6
26 Q	25.3	25.9	25.9	25.3	25.3	24.9	24.3	23.6	23.0	22.3	20.1	17.1	16.5	18.3	22.3	28.4	32.4	33.8	34.3	32.0	29.3	27.0	26.2	26.7	25.5
27	26.7	25.4	24.9	24.8	25.5	23.6	22.0	21.9	21.3	20.6	17.6	15.8	16.4	19.4	22.4	27.7	32.2	33.8	32.2	29.4	25.6	23.3	24.4	25.7	24.3
28	25.2	25.6	26.1	24.8	24.4	23.5	24.4	23.5	22.9	21.9	20.3	16.6	14.4	14.3	18.9	23.7	26.7	29.2	31.0	31.0	28.6	26.3	25.2	24.9	23.9
29 Q	24.7	24.4	24.7	24.6	24.5	24.4	23.4	22.5	23.0	22.1	20.9	17.5	16.3	18.0	20.3	24.5	28.5	30.5	29.7	28.6	27.5	26.1	25.2	24.8	24.0
30	25.4	25.1	24.7	24.3	24.0	23.9	23.3	23.4	22.8	22.4	21.7	19.3	17.6	17.5	20.0	24.5	28.2	30.3	31.1	31.3	31.5	30.1	28.7	27.8	24.9
31 D	19.0	20.8	21.0	22.9	21.3	28.5	10.8	18.5	22.9	24.7	27.2	21.1	18.4	21.4	23.8	30.2	31.6	36.7	36.5	33.1	31.2	29.5	27.7	26.0	25.2
Mean	25.1	25.2	25.4	25.0	25.0	25.8	25.0	25.1	25.1	23.1	21.3	18.0	16.1	17.2	21.0	27.1	31.5	34.4	34.5	33.1	30.5	27.5	25.6	25.3	25.5

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

Table 31 Agincourt

$z = 56,000 \gamma +$

August 1946

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	374	365	363	360	359	362	358	359	358	363	370	370	371	369	364	361	359	357	356	362	368	365	363	364	363
2	361	359	360	359	357	356	354	354	352	354	357	357	351	351	355	352	347	344	340	348	355	359	359	362	354
3	358	358	355	356	351	341	346	346	342	351	359	358	357	360	352	340	326	328	340	352	361	365	362	357	351
4	351	348	351	350	349	348	345	348	350	351	351	356	356	351	344	334	344	344	348	357	358	362	362	357	351
5	351	351	351	351	351	351	350	350	344	351	355	351	346	344	349	350	350	350	357	357	356	359	362	359	352
6	355	352	347	346	349	347	345	346	346	340	331	341	343	345	339	339	337	341	346	358	363	369	360	357	348
7 D	349	352	351	360	341	347	349	323	316	322	339	342	345	329	333	337	356	369	389	402	410	392	370	355	353
8	349	347	350	349	348	346	349	347	347	350	353	352	352	351	350	345	339	335	339	352	358	363	357	352	349
9	346	346	347	345	345	343	344	345	346	347	349	347	345	345	344	346	349	354	359	364	360	360	357	353	349
10	347	345	345	345	345	346	346	345	346	347	346	345	345	345	340	335	335	344	351	359	365	365	368	360	348
11 D	360	358	342	341	309	292	289	311	337	347	341	340	345	345	341	342	342	355	372	385	391	404	402	394	349
12	397	374	366	351	351	349	326	332	332	345	356	354	351	349	349	353	354	348	354	354	361	375	401	384	357
13	369	364	354	351	351	345	326	332	346	351	357	354	353	352	348	346	348	354	360	360	357	359	353	348	351
14 D	347	347	351	354	356	350	342	254	228	190	196	173	300	357	366	361	360	366	374	391	448	479	403	374	336
15 D	389	430	363	364	357	360	346	354	357	354	346	356	363	366	357	360	351	359	366	371	383	389	380	370	366
16	367	353	323	340	345	328	330	315	320	320	343	351	353	348	350	347	350	351	349	368	411	422	436	399	355
17	372	360	354	353	330	293	259	232	214	301	340	343	357	351	344	348	353	354	354	354	364	377	376	364	335
18	356	358	356	354	354	353	351	349	352	353	352	347	347	347	348	348	346	346	353	359	366	366	365	367	354
19	372	368	364	358	354	348	344	353	354	353	358	359	358	355	357	354	355	358	360	362	369	366	366	361	358
20	357	354	352	354	337	336	350	352	351	352	354	354	354	355	357	353	354	350	351	355	358	357	357	351	352
21 Q	352	350	352	351	349	350	350	349	348	347	349	352	348	347	342	340	339	343	345	351	356	354	353	351	349
22 Q	352	348	348	344	347	347	347	347	348	348	348	348	342	348	344	343	346	349	355	360	360	352	348	347	349
23 Q	345	345	346	345	343	345	344	344	345	345	348	351	353	348	347	342	344	344	348	355	358	351	347	347	347
24	347	347	351	348	347	344	343	343	344	342	347	347	343	341	337	337	343	348	351	358	355	348	344	347	346
25	351	354	354	351	351	350	351	350	351	350	354	354	350	347	347	348	353	359	355	356	355	351	348	344	351
26 Q	347	344	345	345	345	345	344	344	345	345	348	347	342	341	341	342	348	352	354	362	359	357	353	348	348
27	348	348	343	343	348	353	355	350	346	342	342	342	338	339	343	348	348	353	358	360	361	360	356	356	349
28	353	355	352	353	349	349	349	348	348	348	350	350	347	345	347	348	348	350	352	354	355	354	349	348	350
29 Q	344	343	344	343	344	343	343	342	344	345	348	348	344	338	337	338	339	342	344	348	352	345	345	345	343
30	343	343	343	343	343	343	342	342	342	343	343	344	343	338	338	337	337	337	339	342	346	352	355	358	343
31 D	389	373	343	336	142	068	295	366	363	366	349	361	348	328	329	326	326	338	339	343	349	355	354	355	327
Mean	358	356	350	350	340	335	339	338	337	341	344	345	348	347	346	345	346	349	353	360	367	369	365	359	350

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt

August 1946

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	20 55	332	14 35	259	73	19 10	36.8	13 24	17.4	19.4	00 20	374	17 45	354	20	
2	19 47	355	15 21	284	71	18 46	33.4	12 45	19.4	14.0	23 00	362	18 22	339	23	
3	19 22	345	14 40	273	72	18 30	35.8	13 09	17.2	18.6	21 40	365	16 38	316	49	
4	21 55	351	14 48	269	82	18 09	36.1	13 45	15.8	20.3	22 30	362	15 45	330	32	
5	19 03	360	14 42	287	73	19 18	32.7	13 06	14.2	18.5	22 20	362	14 40	342	20	
6	21 43	351	13 17	272	79	17 30	34.3	12 23	11.8	22.5	21 43	370	10 17	323	47	
7 D	01 25	357	14 22	241	116	19 07	39.3	12 06	10.4	28.9	20 08	412	08 36	299	113	
8	19 52	349	15 32	303	46	17 43	33.0	13 37	18.8	14.2	21 54	365	17 40	331	34	
9	00 24	361	16 55	278	83	17 34	35.6	12 28	16.1	19.5	19 15	364	06 25	340	24	
10	22 12	356	15 00	278	78	18 52	37.4	12 22	13.4	24.0	22 20	371	16 40	331	40	
11 D	21 50	392	13 05	251	141	17 55	40.1	04 54	08.3	31.8	21 38	414	06 02	271	143	
12	22 23	381	15 55	263	118	17 15	38.7	11 57	15.3	23.4	22 44	412	07 56	314	98	
13	21 14	359	14 16	271	88	18 43	36.9	12 58	18.1	18.8	00 10	372	07 01	314	58	
14 D	21 01	470	11 25	152	318	07 10	43.6	12 04	04.1	39.5	21 00	553	11 14	136	417	
15 D	19 50	373	14 27	227	146	17 21	42.7	03 55	06.1	36.6	01 33	463	02 44	317	146	
16	19 38	391	15 18	259	132	19 50	40.0	12 43	13.1	26.9	22 26	446	02 13	306	140	
17	22 08	353	08 39	205	148	08 45	47.3	12 37	10.6	36.7	22 12	384	08 36	173	211	
18	20 30	358	14 42	264	94	17 57	35.7	13 24	14.4	21.3	22 00	372	17 12	341	31	
19	22 55	341	15 00	268	73	18 32	37.9	12 39	16.3	21.6	00 08	377	06 08	342	35	
20	19 25	352	14 40	275	77	17 58	35.2	13 43	14.7	20.5	20 52	359	04 56	324	35	
21 Q	21 04	349	15 35	274	75	16 58	35.1	12 26	13.1	22.0	21 02	358	16 00	337	21	
22 Q	19 40	347	14 40	274	73	17 52	34.2	13 07	14.9	19.3	20 20	361	03 23	339	22	
23 Q	20 42	361	15 10	272	89	17 43	36.0	12 40	15.5	20.5	20 18	359	15 40	339	20	
24	20 07	364	14 22	267	97	17 35	36.3	12 37	12.7	23.6	20 10	360	12 26	336	24	
25	19 46	361	14 08	280	81	17 35	37.8	12 36	15.0	22.8	17 30	360	13 40	342	18	
26 Q	19 30	351	14 37	277	74	18 19	35.0	12 35	16.5	18.5	19 25	362	14 35	337	25	
27	21 56	366	15 00	292	74	17 55	34.0	12 00	14.4	19.6	20 45	362	12 25	334	28	
28	20 15	354	16 13	284	70	19 01	31.6	13 31	13.0	18.6	20 25	359	13 46	342	17	
29 Q	23 17	342	15 35	287	55	17 44	31.2	12 17	15.7	15.5	20 30	350	13 49	334	16	
30	22 46	394	14 20	300	94	20 12	32.1	13 42	17.0	15.1	22 45	378	17 16	333	45	
31 D	00 01	361	05 02	-022	383	05 39	69.0	06 14	-06.5	75.5	00 54	408	05 42	-194	602	
Mean		363		257	106		37.6		13.5	24.1		383		301	82	
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 1946

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	310	312	313	314	317	318	320	322	325	323	322	318	308	292	269	263	270	289	307	319	322	322	325	328	310
2	328	322	313	322	327	326	322	323	323	322	328	324	313	293	271	261	256	267	286	312	322	322	335	328	311
3	327	322	320	314	322	325	323	325	327	326	323	318	311	290	272	266	277	287	303	314	328	324	329	339	313
4	342	350	350	343	338	336	313	316	309	306	281	311	310	282	262	250	262	281	308	318	333	328	334	320	312
5	313	323	330	333	330	328	331	327	328	330	325	317	307	303	294	281	272	287	310	324	328	335	323	324	317
6 Q	316	316	321	329	324	315	330	333	334	334	332	331	320	307	298	292	297	304	317	330	338	338	337	336	322
7	338	342	342	342	342	339	328	330	321	311	307	309	290	300	312	300	286	281	298	310	331	322	334	331	319
8	327	320	326	321	329	327	326	309	326	317	322	328	321	312	300	288	282	293	305	312	331	327	331	316	316
9	322	332	334	329	331	333	328	326	326	329	331	321	313	293	267	271	265	293	321	317	327	332	332	332	317
10	336	333	330	331	331	329	329	325	295	305	322	316	303	300	285	286	290	293	307	314	326	347	338	329	317
11	321	322	326	332	332	334	332	331	326	329	321	320	316	311	298	281	289	304	310	335	342	347	338	332	322
12	332	333	332	334	337	337	336	328	321	327	323	314	297	290	294	280	274	283	298	316	334	336	318	327	317
13	332	332	331	334	339	332	322	328	327	329	330	326	316	293	270	275	271	289	299	316	333	339	340	330	318
14	322	322	327	331	332	332	332	329	329	332	329	324	316	299	282	270	281	302	322	334	342	339	347	337	321
15 Q	336	332	337	333	336	337	329	332	327	334	333	329	319	311	295	282	302	313	324	333	342	341	340	338	327
16	343	338	336	339	336	336	336	336	337	337	335	328	319	316	317	311	304	286	302	391	325	301	338	317	328
17	302	300	258	270	262	276	297	303	303	307	311	306	296	285	269	262	269	285	295	313	318	320	315	302	293
18 D	335	339	381	072	-067	025	-346	-454	-279	-011	192	190	011	171	157	133	213	307	338	471	313	309	301	308	142
19 D	322	269	195	167	251	269	234	223	274	266	221	254	231	214	226	255	276	295	294	298	296	297	311	319	261
20	301	310	309	306	306	306	298	252	267	293	302	300	289	279	270	264	272	286	291	293	306	311	314	319	294
21	309	313	314	314	312	311	309	309	309	309	301	296	289	275	267	264	279	300	338	345	329	357	362	337	310
22 D	345	356	334	337	303	-007	-490	-217	012	090	-008	-268	149	-016	021	252	309	293	319	314	319	297	298	279	151
23 D	288	265	176	263	231	-227	-310	-021	-093	135	082	130	159	103	082	115	213	342	365	364	399	432	372	324	175
24	305	285	305	291	290	285	285	286	289	295	284	281	289	280	272	270	270	282	298	307	313	311	306	310	292
25 Q	309	309	312	312	312	316	312	314	313	314	311	307	302	288	275	269	272	285	298	312	312	316	319	315	304
26 Q	312	316	318	320	319	320	322	318	311	312	313	315	307	290	278	272	285	292	297	304	314	315	320	322	308
27	320	324	305	309	320	324	309	305	292	297	309	321	303	285	260	235	222	247	321	321	317	313	290	286	297
28 D	304	301	278	267	257	251	157	187	216	208	195	216	166	157	141	137	244	244	349	367	396	468	365	406	262
29	553	286	284	283	272	272	278	278	288	290	294	295	278	263	250	250	250	269	291	305	327	306	300	286	294
30	287	289	279	277	262	272	244	233	262	283	257	293	292	281	261	234	247	268	285	298	327	312	306	311	278
31																									
Mean	328	317	310	302	298	276	237	251	265	286	284	279	278	265	253	255	270	288	310	327	330	332	327	323	291

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt

D = 7° W + . . .

September 1946

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	25.7	25.6	25.4	26.0	25.6	25.3	24.6	24.1	24.3	24.7	22.9	18.7	16.5	17.4	20.6	26.3	32.3	35.5	35.4	32.5	29.6	27.6	25.5	24.1	25.7	
2	24.0	23.1	22.0	23.9	25.2	24.9	32.9	21.1	22.5	23.5	22.0	18.1	15.7	16.1	17.2	21.9	27.6	33.0	34.6	32.2	30.1	28.4	25.6	23.7	24.5	
3	21.3	23.2	22.5	22.5	23.7	23.9	23.2	22.7	23.2	22.1	20.0	16.8	14.3	14.6	19.5	23.7	29.5	35.5	34.4	31.0	28.3	25.2	23.0	20.7	23.5	
4	21.5	22.9	24.0	24.4	24.0	19.5	24.1	17.2	17.1	15.4	23.1	15.9	12.7	17.3	19.5	25.4	30.8	32.2	33.3	33.8	30.8	28.6	24.5	20.3	23.2	
5	20.2	24.2	24.4	24.7	24.4	24.1	25.8	25.1	25.1	19.2	16.6	16.3	16.6	15.0	21.4	24.8	29.4	33.3	34.1	31.9	28.8	26.1	25.8	24.0	24.2	
6 Q	23.0	24.7	23.0	13.2	20.8	18.7	21.0	23.0	22.6	22.0	20.8	18.4	15.9	16.4	19.0	22.7	27.0	30.4	31.6	29.8	27.5	26.6	26.3	26.3	23.0	
7	26.1	26.0	25.0	24.6	24.2	22.1	21.4	18.9	20.7	19.3	08.0	10.7	18.2	30.1	32.0	30.9	32.1	34.3	34.3	31.6	28.5	23.5	23.6	24.5	24.6	
8	23.9	24.2	23.8	24.7	22.5	22.6	21.0	20.1	26.4	28.0	27.1	26.1	27.4	28.7	31.0	21.4	25.6	28.3	29.5	30.0	28.2	27.0	24.2	24.9	25.7	
9	24.2	24.0	24.6	24.0	24.1	23.1	22.3	21.8	21.9	21.9	21.3	18.7	17.2	17.3	19.6	24.9	30.0	34.3	33.9	30.7	28.1	27.0	26.1	25.9	24.5	
10	25.7	25.9	25.1	25.5	25.1	23.5	21.8	20.3	30.7	27.6	16.0	15.9	15.3	18.8	22.6	24.7	27.7	31.8	32.6	31.8	30.1	28.3	25.4	22.1	24.8	
11	27.8	25.0	24.5	25.1	25.0	24.6	23.5	23.0	23.3	21.5	24.1	18.1	16.0	19.2	21.8	23.8	30.6	33.9	36.0	34.4	31.2	29.7	27.9	26.4	25.7	
12	24.7	24.6	24.4	23.4	23.2	23.3	27.8	34.0	25.7	18.6	17.4	16.3	19.3	20.2	22.4	24.2	27.8	31.3	31.9	31.4	29.6	27.1	26.5	25.0	25.0	
13	24.4	24.1	24.1	24.0	18.7	22.3	23.8	23.3	21.7	22.4	20.4	18.7	16.5	15.6	19.9	24.1	26.8	29.7	34.0	33.5	31.3	28.1	24.7	24.0	24.0	
14	24.0	24.6	24.0	24.0	23.6	23.6	23.0	22.5	25.8	21.2	18.6	17.0	15.9	16.8	19.9	25.7	30.4	32.4	32.8	30.7	28.6	26.4	24.0	23.7	24.1	
15 Q	24.8	24.0	24.0	24.0	23.6	22.3	23.0	22.1	23.4	21.9	19.9	18.5	16.6	17.6	18.6	23.0	27.7	29.5	30.3	28.9	26.6	25.2	24.0	23.5	23.5	
16	23.7	25.1	24.7	24.0	23.4	22.2	20.8	20.9	20.9	21.0	20.2	19.2	17.7	16.5	17.0	18.8	18.6	23.4	29.3	24.0	27.7	30.8	29.5	27.6	22.8	
17	26.2	21.8	10.9	22.0	20.3	13.9	19.6	20.5	20.7	24.0	23.9	22.4	21.2	20.3	21.5	24.9	27.6	29.6	31.6	30.1	27.8	29.1	27.5	23.4	23.4	
18 D	-0.9	09.1	36.4	35.1	46.9	25.7	29.1	61.0	41.5	20.0	22.4	34.2	75.5	55.5	32.7	39.4	36.7	28.9	23.9	11.4	30.6	32.9	30.2	28.4	31.1	
19 D	16.3	18.7	23.2	29.6	09.9	15.5	15.1	14.4	14.7	21.4	26.6	23.1	30.5	35.1	32.1	35.4	28.1	28.1	29.2	29.2	28.4	26.7	25.5	25.8	24.3	
20	25.2	26.5	25.6	25.6	25.0	23.2	20.8	13.3	14.3	18.4	20.6	20.9	19.8	19.7	22.0	26.5	31.6	33.2	33.8	34.6	30.1	28.3	27.1	26.3	24.7	
21	22.6	25.9	26.1	25.5	25.1	23.8	23.5	22.3	21.9	22.2	21.9	19.4	17.8	17.6	21.6	25.7	29.2	26.8	30.2	32.0	31.3	29.9	31.5	29.5	25.2	
22 D	28.6	26.2	23.3	27.4	11.6	48.3	74.4	38.0	41.5	08.9	38.9	37.5	01.7	27.5	32.4	23.5	31.5	38.0	32.7	26.8	22.7	18.4	18.0	17.1	29.0	
23 D	15.9	-1.1	30.7	04.7	19.6	44.6	41.5	61.6	27.5	05.7	11.6	10.2	34.4	56.2	60.5	42.9	26.6	14.8	16.2	24.5	29.4	20.9	18.0	22.1	26.6	
24	19.7	21.3	19.1	18.3	29.0	28.6	23.8	29.3	26.6	23.6	23.5	22.9	20.5	20.0	19.1	25.4	29.0	30.8	30.6	29.7	27.7	26.1	25.5	25.4	24.8	
25 Q	25.2	25.2	25.0	26.3	25.0	24.6	24.4	24.4	23.9	23.0	23.2	21.4	20.3	20.0	21.5	26.2	29.8	32.0	33.3	31.5	29.4	27.3	25.6	25.2	25.5	
26 Q	24.4	24.5	24.5	24.5	24.5	24.5	24.5	23.3	21.4	22.2	23.5	25.4	20.0	17.8	21.5	24.9	29.5	32.4	32.9	31.3	29.5	27.7	26.1	24.4	25.3	
27	25.1	24.0	21.1	22.5	23.4	23.4	28.1	25.6	22.8	21.0	28.4	21.4	20.7	25.6	22.0	27.2	27.4	26.2	21.1	22.9	28.7	28.5	28.1	26.2	24.5	
28 D	24.1	23.5	20.7	19.1	13.7	17.1	22.3	14.1	13.5	37.1	32.1	38.3	45.4	47.1	38.9	25.3	25.2	29.3	20.2	19.0	21.7	12.0	25.8	21.6	25.3	
29	23.3	08.6	20.6	23.8	18.9	20.8	20.7	22.2	22.2	22.3	21.0	18.0	20.6	24.2	28.8	29.1	30.6	30.6	30.2	29.5	24.5	26.1	22.2	22.4	23.4	
30	21.3	16.7	23.8	13.4	16.0	19.5	18.8	16.0	18.1	15.8	31.5	25.5	20.0	18.0	19.5	27.1	28.0	32.9	31.1	29.8	26.3	26.5	25.6	24.4	22.8	
31																										
Mean	22.7	22.1	23.9	23.2	22.8	24.0	25.6	24.8	23.6	19.8	22.3	20.8	21.4	23.4	24.6	26.3	28.8	30.7	30.8	29.4	28.5	26.6	25.5	24.3	24.8	

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

Table 35 Agincourt

$z = 56,000 \gamma +$

September 1946

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	354	354	353	352	354	354	354	352	349	351	355	355	352	348	349	344	344	349	356	358	358	358	355	355	355	353
2	353	355	359	355	352	349	278	287	339	349	352	354	352	348	349	349	351	358	363	366	366	364	363	363	355	349
3	355	354	349	349	349	348	343	342	342	342	346	346	343	336	335	336	343	346	351	354	362	363	365	359	348	
4	354	347	347	345	343	329	276	304	306	287	279	301	323	333	337	335	338	344	354	359	367	361	363	367	333	
5	367	359	351	348	345	345	341	315	290	308	331	339	338	333	330	334	339	349	356	357	354	362	356	360	342	
6 Q	364	367	363	330	320	337	345	346	346	348	349	348	344	343	343	339	343	343	344	350	350	348	344	346	346	
7	345	346	345	344	344	341	333	335	291	255	284	307	308	304	301	315	333	344	355	364	367	367	362	356	331	
8	363	364	356	346	345	346	340	325	334	336	339	335	329	335	339	337	344	349	355	366	368	367	367	367	348	
9	360	353	349	344	344	337	338	341	344	345	344	344	344	341	338	339	342	351	366	372	369	356	354	350	349	
10	352	349	349	345	345	345	347	339	276	270	331	347	345	339	343	345	345	349	349	350	355	360	368	376	343	
11	370	361	354	350	349	344	345	346	341	333	334	333	339	339	343	342	347	343	344	354	357	362	355	355	347	
12	351	346	345	342	350	350	321	289	304	333	342	345	339	342	342	340	340	345	348	351	357	367	360	354	342	
13	350	347	345	345	331	332	347	350	348	350	347	350	348	353	351	351	353	354	356	356	357	357	357	357	350	
14	359	357	354	350	348	345	345	345	337	337	344	346	345	345	347	345	347	347	350	351	354	354	364	354	348	
15 Q	351	350	345	346	345	344	344	342	345	346	345	345	344	344	343	341	340	335	340	350	350	346	345	345	345	
16	345	345	345	345	345	344	344	344	344	344	344	344	345	344	339	337	330	330	356	493	407	365	374	425	357	
17	460	448	362	345	280	321	358	356	350	348	341	346	350	354	351	351	350	350	354	365	386	386	391	390	362	
18 D	349	396	322	351	332	272	207	-076	-070	-011	210	243	089	195	325	358	398	420	465	561	430	418	399	390	291	
19 D	451	284	290	101	316	329	292	323	341	343	296	279	260	273	319	343	352	365	370	382	391	388	382	392	328	
20	393	376	369	368	367	363	329	308	333	359	366	369	365	364	361	361	369	371	372	370	368	369	369	370	363	
21	369	365	364	362	361	361	361	361	363	361	359	364	366	364	369	362	357	351	361	364	358	364	381	400	364	
22 D	413	434	410	409	300	-019	059	072	316	284	148	248	328	361	316	346	355	391	402	405	404	393	398	390	315	
23 D	387	308	133	095	116	004	-123	-029	012	148	172	207	166	142	207	322	460	479	461	446	399	508	452	449	247	
24	403	408	401	376	382	365	362	356	359	368	367	373	385	382	385	378	375	374	372	372	371	370	369	369	376	
25 Q	367	367	365	366	366	365	366	366	364	362	364	366	366	368	364	364	361	363	370	373	376	376	371	370	370	367
26 Q	368	367	365	365	364	362	355	346	346	350	358	353	358	359	360	353	349	352	353	358	365	370	367	369	359	
27	365	365	373	369	363	353	318	273	244	285	332	346	352	346	346	355	361	399	462	452	425	421	427	400	364	
28 D	382	376	377	270	314	309	131	126	199	193	161	182	249	241	320	378	461	450	550	527	503	501	471	498	340	
29	517	487	456	424	382	364	358	364	369	370	375	377	370	363	369	366	381	391	399	417	425	397	389	397	396	
30	404	366	312	313	288	194	247	265	295	290	286	339	357	365	371	377	390	392	395	412	409	390	377	377	342	
31																										
Mean	377	367	350	335	334	314	298	291	302	309	317	328	327	330	340	348	360	366	377	389	380	380	376	378	345	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt

September 1946

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	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ				
1 Q	23	38	332	15	54	253	79	17	44	36.0	12	45	15.6	20.4	10	54	358	15	55	342	16	
2	22	14	343	16	02	255	88	06	35	42.7	13	38	14.8	27.9	22	13	367	06	40	237	130	
3	23	11	343	15	23	258	85	17	37	36.9	13	08	12.2	24.7	21	04	368	15	00	333	35	
4	02	02	353	15	13	245	108	19	10	35.4	09	52	09.4	26.0	20	22	372	06	34	248	124	
5	21	26	346	16	15	266	80	18	10	35.3	13	45	13.5	21.8	00	01	367	08	02	285	82	
6 Q	03	57	341	15	10	291	50	18	27	32.0	03	20	02.3	29.7	01	06	372	04	02	310	62	
7	20	47	348	12	55	275	73	18	41	35.7	10	00	03.2	32.5	20	48	372	09	15	211	161	
8	20	50	347	16	02	278	69	19	25	30.6	09	33	14.2	16.4	20	51	373	07	33	316	57	
9	20	24	350	16	02	249	101	18	00	36.6	13	55	14.3	22.3	18	47	382	16	03	331	51	
10	21	51	368	14	09	276	92	08	45	37.3	12	56	13.6	23.7	23	00	385	09	00	232	153	
11	21	08	371	15	43	271	100	18	12	36.8	12	05	14.8	22.0	00	25	371	11	07	320	51	
12	20	36	344	16	08	271	73	07	43	36.4	11	27	14.1	22.3	21	34	368	07	46	271	97	
13	21	36	352	14	32	264	88	18	35	35.8	05	05	12.4	23.4	20	10	363	04	48	316	47	
14	22	31	351	15	30	266	85	17	31	33.3	12	36	15.1	18.2	23	30	371	08	53	322	49	
15 Q	22	33	350	15	34	272	78	18	28	30.6	12	17	16.1	14.5	00	01	351	17	15	334	17	
16	19	51	440	17	41	264	176	19	15	33.7	19	37	13.0	20.7	19	50	575	17	13	324	251	
17	01	41	359	05	08	229	130	18	15	32.2	23	59	-09.1	41.3	00	58	481	04	47	236	245	
18 D	02	20	708	07	44	-621	1329	04	14	96.4	09	29	-48.0	144.4	19	15	647	08	00	-294	941	
19 D	00	35	348	03	47	033	315	03	18	78.0	00	58	-17.1	95.1	00	28	499	03	17	-245	744	
20	23	30	325	07	22	235	90	19	06	36.5	07	30	09.9	26.6	00	09	406	07	12	297	109	
21	22	24	389	15	25	260	129	22	51	34.2	13	13	15.6	18.6	23	25	416	17	14	335	81	
22 D	16	32	524	06	30	-567	1091	05	50	98.1	13	30	-94.4	192.5	13	36	1018	11	44	-445	1463	
23 D	21	56	484	06	15	-516	1000	05	28	105.6	05	55	-28.3	133.9	21	48	564	06	32	-265	829	
24	00	01	378	10	52	262	116	04	39	35.6	03	05	10.8	24.8	00	01	506	00	05	344	162	
25 Q	22	23	321	15	25	265	56	18	38	33.5	12	30	19.4	14.1	20	53	376	15	41	359	17	
26 Q	20	58	328	15	08	266	62	17	50	34.0	13	48	15.8	18.2	22	13	371	07	50	341	30	
27	19	28	365	16	17	214	151	17	06	34.3	19	29	17.3	17.0	19	43	476	08	47	215	261	
28 D	21	15	679	06	24	056	623	12	50	63.6	21	11	-24.6	88.2	21	12	668	06	39	055	613	
29	00	33	641	00	09	223	418	00	45	34.4	01	10	-06.5	40.9	00	53	648	06	00	346	302	
30	05	35	336	05	55	204	132	02	02	39.3	01	37	-04.4	43.7	19	35	418	05	55	135	283	
31																						
Mean			396			160	236			44.0			01.8	42.2			454			205	249	
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 1946

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	303	311	306	293	303	303	278	267	285	311	297	295	280	269	282	278	281	290	297	306	311	305	308	294
2	313	314	316	317	312	312	314	309	311	314	311	311	298	279	266	284	284	280	290	297	311	313	314	312	303
3	309	307	307	298	296	307	283	308	311	312	314	314	308	286	288	286	288	296	300	303	311	309	313	319	303
4	321	318	318	303	302	299	288	298	298	311	329	322	313	309	298	288	281	293	310	321	314	312	318	323	308
5	325	326	324	306	309	317	323	318	326	329	329	325	323	301	272	314	324	310	298	315	313	318	326	326	317
6	331	322	314	295	302	301	321	317	302	315	328	327	317	305	300	293	298	303	311	314	305	306	317	314	311
7	303	317	312	317	314	314	308	321	322	314	325	310	314	319	293	266	286	309	314	314	326	327	329	329	313
8 Q	329	326	324	327	321	319	322	325	325	328	329	325	321	314	306	303	309	315	331	335	342	337	347	345	325
9 D	347	350	341	312	311	280	281	283	301	298	302	308	295	285	286	293	300	303	306	310	317	314	317	301	306
10	314	322	318	316	317	316	319	319	317	319	316	312	305	300	293	287	284	291	297	322	316	321	327	329	312
11	327	321	322	321	321	322	322	324	322	323	323	321	312	291	270	272	283	286	293	303	316	328	332	332	312
12	332	337	342	327	314	317	308	323	322	321	321	317	306	288	278	279	285	293	301	312	323	326	329	327	314
13 Q	309	327	332	332	329	329	329	328	329	329	329	325	311	293	277	266	271	285	301	319	329	334	340	334	316
14	332	329	330	327	326	327	329	331	331	325	326	321	310	293	280	272	283	293	309	317	324	331	332	331	317
15	333	333	332	332	329	330	329	329	330	322	331	327	317	305	295	292	296	303	316	326	326	334	336	329	322
16	331	336	334	334	332	329	326	317	316	321	331	323	313	306	290	288	287	292	303	318	317	323	334	333	318
17 Q	333	334	334	330	332	329	321	316	327	332	330	327	317	305	295	291	292	293	300	316	332	339	343	343	321
18 Q	338	336	336	335	337	336	337	336	336	334	334	331	326	317	312	309	312	312	317	321	327	333	333	331	328
19	333	338	334	334	334	333	329	329	327	329	331	332	325	313	305	302	304	307	316	324	329	333	333	314	324
20 D	299	310	317	333	314	314	305	302	292	300	318	323	319	297	292	295	310	317	325	310	316	303	315	321	310
21	322	317	313	318	320	322	321	323	324	324	325	324	316	306	297	292	294	301	314	315	320	330	335	340	317
22	338	333	331	328	328	328	329	325	328	332	333	331	321	307	300	293	297	301	314	317	323	328	327	327	321
23	325	322	322	316	317	317	317	311	316	320	324	327	317	304	294	292	299	304	310	320	330	333	329	328	316
24	332	330	327	328	329	330	333	332	334	333	330	333	318	297	294	297	296	296	308	315	325	326	330	323	320
25	315	316	315	316	314	319	324	330	316	322	329	321	308	296	289	287	294	300	313	323	326	325	318	313	314
26 D	306	304	298	299	313	297	290	314	298	317	323	315	318	301	281	261	260	278	286	298	313	328	310	290	300
27 D	356	313	327	258	196	179	252	273	204	226	317	313	276	269	270	277	250	274	290	293	295	298	302	290	273
28	305	308	308	312	322	318	311	305	302	307	319	318	306	294	286	272	273	280	293	303	314	318	320	314	304
29	308	308	315	320	272	321	316	313	315	310	313	319	318	304	293	285	283	284	293	297	303	310	315	313	306
30 Q	320	321	322	320	315	313	314	306	313	320	321	322	321	316	310	306	301	310	312	316	321	324	329	330	317
31 D	333	335	335	335	332	334	334	331	319	314	326	335	316	301	333	318	298	283	288	302	315	312	301	300	318
Mean	323	323	322	317	313	313	314	314	312	315	323	321	312	299	290	288	290	296	304	313	319	322	324	321	312

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt

D = 7° W + . . . ' .

October 1946

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	23.4	18.6	22.9	22.6	24.2	14.9	18.5	21.2	21.0	23.6	20.3	27.4	22.4	24.0	28.1	30.7	28.9	29.5	28.8	27.3	27.0	25.2	25.1	24.5	24.1	
2	24.9	24.2	23.3	20.5	25.0	22.3	22.9	21.4	24.7	21.5	20.2	19.6	19.4	21.7	26.9	25.6	26.9	29.5	29.2	28.1	26.1	26.0	25.5	25.4	24.2	
3	24.2	22.2	25.7	25.4	24.0	33.6	16.9	19.9	19.6	20.4	20.8	19.5	19.5	25.2	28.7	29.4	29.8	28.5	27.3	26.7	25.1	24.0	24.5	25.2	24.4	
4	25.0	25.0	22.6	24.3	23.8	19.9	20.1	18.8	19.3	23.6	18.8	17.9	17.8	18.7	19.3	22.3	26.9	29.7	27.2	26.2	24.8	24.2	24.9	24.9	22.8	
5	24.5	25.1	25.0	18.7	22.9	22.4	22.2	20.8	22.7	21.5	21.1	22.1	18.9	18.8	27.9	35.7	28.9	28.7	30.8	28.9	27.1	25.2	24.1	23.8	24.5	
6	23.8	24.3	22.4	12.6	18.2	24.2	24.4	21.6	20.5	26.2	18.9	17.8	18.4	19.8	21.5	24.0	26.2	27.9	28.0	27.8	27.5	24.4	23.5	24.6	22.8	
7	25.0	23.2	22.6	18.7	21.6	19.7	26.1	22.3	19.7	18.8	24.1	26.8	22.9	19.1	20.7	27.6	33.2	31.5	29.8	28.6	26.9	25.2	24.1	23.7	24.3	
8 Q	23.4	23.4	23.4	22.9	22.5	22.5	22.2	20.9	20.7	20.6	20.5	19.3	17.7	16.8	17.9	22.7	25.8	26.9	27.0	26.8	25.1	24.4	24.4	23.3	22.6	
9 D	23.3	23.9	24.8	25.0	18.7	14.8	18.9	23.5	12.9	14.4	21.6	18.7	16.6	19.6	23.9	26.7	29.4	29.3	28.9	28.5	26.8	25.9	25.7	13.6	22.3	
10	23.1	23.6	23.3	23.2	23.2	22.5	22.7	21.3	21.1	20.3	20.4	20.5	17.7	16.9	19.4	23.4	26.3	28.2	28.8	28.5	28.5	28.6	26.1	25.7	23.5	
11	22.1	21.2	22.4	22.3	21.2	24.7	22.5	22.1	21.1	20.5	20.5	19.4	17.7	16.6	19.3	27.0	29.4	30.0	30.6	29.7	27.6	25.1	23.9	23.0	23.3	
12	22.9	22.1	18.3	21.5	21.5	22.3	19.2	22.0	21.3	20.6	20.5	19.3	17.9	18.4	21.9	25.6	28.2	29.6	29.2	27.9	25.8	24.2	23.8	22.3	22.7	
13 Q	18.4	22.9	23.8	23.5	23.3	22.9	22.3	22.1	21.5	21.1	20.5	18.7	15.8	14.3	16.5	21.3	25.5	27.6	28.7	27.8	25.3	23.8	23.8	24.8	22.4	
14	24.4	24.5	23.7	22.8	22.8	22.7	21.9	21.3	22.3	20.0	20.0	18.5	15.9	15.0	16.7	21.3	25.2	27.3	27.6	27.1	26.4	25.5	25.1	24.0	22.5	
15	23.0	22.8	22.4	22.2	22.2	21.5	20.1	20.0	18.0	20.4	20.1	18.2	16.0	15.9	18.7	21.9	25.0	27.9	29.2	28.2	26.5	26.0	25.3	25.5	22.4	
16	23.7	23.3	22.8	22.7	22.5	22.5	21.5	16.7	19.4	22.1	20.3	17.4	15.5	16.4	17.3	22.0	26.0	29.3	30.4	30.5	29.6	26.9	25.5	24.4	22.9	
17 Q	23.3	22.7	22.3	22.4	22.1	20.9	17.4	19.4	22.5	20.7	20.6	19.6	17.7	16.4	17.6	19.0	22.1	24.6	26.6	27.7	27.8	26.5	25.1	24.1	22.1	
18 Q	23.6	23.3	23.3	22.4	21.8	21.4	21.0	20.9	20.5	20.4	20.1	19.7	18.3	16.7	17.3	18.3	20.7	23.6	25.8	26.5	26.2	25.5	24.9	23.7	21.9	
19	22.9	22.6	22.4	21.8	22.2	21.7	21.5	20.7	20.0	19.0	19.0	19.0	17.8	17.2	18.2	21.0	21.7	24.9	27.5	28.2	27.1	25.3	23.7	24.6	22.1	
20 D	25.1	18.1	23.2	23.9	20.0	20.7	15.4	13.1	13.9	18.7	19.1	17.2	16.3	15.9	19.3	19.9	23.9	25.9	25.7	25.4	25.2	25.4	25.4	23.4	20.8	
21	22.7	21.7	21.3	23.0	22.3	22.7	22.9	23.6	22.6	21.4	21.8	20.9	18.9	18.6	20.1	22.2	24.5	26.3	26.6	25.7	25.3	24.4	23.7	23.5	22.8	
22	23.3	23.1	22.8	22.7	22.7	22.6	20.9	21.8	24.1	23.6	21.2	19.1	20.0	20.9	20.4	23.8	27.3	28.4	28.3	27.2	25.7	25.0	24.3	23.9	23.4	
23	23.3	23.5	23.5	23.0	20.3	19.3	24.2	19.0	19.0	18.9	19.3	19.0	19.3	17.6	20.1	24.6	27.2	28.4	27.6	26.3	24.5	23.6	23.7	23.5	22.4	
24	23.0	22.7	22.7	22.7	22.6	22.7	22.4	22.1	21.5	21.2	20.3	19.1	19.0	19.4	21.1	23.9	26.7	29.4	29.4	27.9	25.7	23.6	22.7	23.3	23.2	
25	22.7	21.5	21.4	21.7	21.1	20.9	21.8	19.1	18.5	22.0	18.5	19.0	18.2	18.2	19.2	21.8	26.0	27.3	28.5	28.5	26.7	24.6	23.7	26.7	22.4	
26 D	25.4	20.4	20.9	20.7	22.7	16.3	16.3	16.0	14.8	23.1	19.0	21.7	21.7	17.5	18.8	24.5	29.3	30.0	30.9	30.4	29.9	30.8	22.4	24.4	22.8	
27 D	20.3	14.1	12.0	33.4	22.6	11.4	19.9	26.0	26.4	25.5	29.9	26.3	25.4	32.5	30.2	26.9	28.9	30.6	29.4	29.9	26.6	25.0	25.3	19.6	24.9	
28	17.8	24.2	23.2	21.2	24.4	23.5	22.2	22.0	22.8	25.0	21.0	19.9	19.5	19.0	19.0	23.0	28.0	28.9	29.9	29.8	27.8	26.2	25.1	24.9	23.7	
29	23.9	23.5	22.5	20.1	23.0	23.0	21.9	23.0	20.8	18.6	18.0	21.3	19.1	19.0	20.3	23.6	26.3	26.6	27.6	27.7	28.1	26.7	25.6	21.7	23.0	
30 Q	23.2	24.0	23.5	23.1	22.7	21.3	20.8	19.6	20.2	20.6	22.0	20.8	20.2	20.2	21.1	22.2	24.7	27.4	27.2	27.1	26.3	25.7	24.7	23.8	23.0	
31 D	23.5	23.2	22.8	22.7	23.0	22.6	22.2	21.6	22.9	16.3	18.1	18.9	25.3	27.5	28.6	21.8	23.2	26.2	28.3	27.4	28.3	29.0	28.7	23.7	24.0	
Mean	23.2	22.5	22.5	22.4	22.4	21.5	21.1	20.8	20.5	21.0	20.5	20.1	19.0	19.2	21.2	24.0	26.6	27.9	28.3	27.7	26.4	25.4	24.4	23.4	23.1	

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

Table 39 Agincourt

$Z = 56,000 \gamma +$

October 1946

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	380	368	364	366	343	331	329	300	268	311	345	338	344	343	342	350	354	368	375	387	379	376	373	373	373	350
2	367	364	367	357	353	368	364	352	331	347	352	358	357	358	358	349	353	360	366	366	365	364	364	361	361	358
3	361	360	362	361	341	285	331	353	353	354	355	357	360	355	349	347	353	354	356	361	361	363	361	360	360	352
4	359	360	346	338	351	357	357	361	349	339	349	359	360	362	362	358	363	367	368	371	370	367	365	363	363	358
5	361	361	361	365	363	366	364	361	358	349	349	350	355	354	355	350	348	359	371	374	373	368	361	360	360	360
6	360	359	366	367	361	354	341	344	320	316	344	355	355	356	359	362	358	363	371	375	380	391	386	385	385	359
7	383	372	371	361	359	356	344	333	324	323	334	324	342	340	342	348	352	354	358	361	361	361	360	359	351	351
8 Q	357	355	357	356	355	359	356	355	355	354	353	354	350	344	338	338	344	346	347	346	347	346	346	346	346	350
9 D	345	350	361	369	361	324	311	305	346	350	359	358	351	350	352	350	354	360	359	362	362	362	362	387	387	353
10	368	359	360	356	359	356	354	350	350	350	354	362	355	354	349	352	353	356	356	362	364	365	359	364	357	357
11	365	360	356	357	355	352	352	354	354	351	352	354	354	349	348	354	350	351	354	357	359	358	357	356	356	354
12	355	353	341	345	351	340	334	355	356	356	355	358	355	353	351	345	343	347	352	355	358	357	355	354	351	351
13 Q	356	356	353	352	352	352	353	352	352	352	352	353	355	350	345	343	347	354	355	358	357	352	352	353	352	352
14	352	354	353	352	351	349	348	333	323	340	349	353	356	355	352	346	342	340	341	343	348	352	352	353	347	347
15	351	349	349	349	349	349	349	349	347	339	339	347	351	350	345	338	341	344	348	351	355	352	353	357	348	348
16	354	351	351	350	352	347	339	333	345	341	341	347	350	351	346	345	346	353	359	363	358	363	358	355	350	350
17 Q	352	352	351	350	350	350	346	348	350	347	349	352	353	349	347	345	342	342	345	348	352	351	349	346	349	349
18 Q	344	347	347	347	347	347	347	347	347	347	347	347	348	347	342	337	336	336	336	341	346	349	347	349	345	345
19	347	348	349	347	347	347	347	346	346	341	344	347	348	344	341	341	337	336	343	348	352	354	359	373	347	347
20 D	373	364	358	356	351	327	311	344	341	316	329	349	355	350	352	346	346	343	343	344	354	361	360	356	347	347
21	353	352	353	349	348	347	347	347	347	349	350	352	354	356	353	347	340	344	348	350	350	353	352	351	350	350
22	349	348	348	350	349	349	347	347	347	344	343	347	345	344	344	339	341	345	351	353	351	351	350	351	347	347
23	351	352	353	351	344	344	330	332	344	342	343	348	348	349	345	345	343	347	348	349	351	352	349	353	347	347
24	352	350	349	349	348	349	349	348	348	347	343	345	347	342	341	334	335	341	345	352	354	353	354	355	347	347
25	356	357	358	357	354	353	344	324	341	340	347	352	354	349	345	339	342	344	352	354	356	360	361	370	350	350
26 D	377	374	378	365	312	308	281	336	336	338	343	351	353	347	343	347	356	360	362	375	384	412	490	471	362	362
27 D	508	505	484	344	306	246	315	297	205	226	267	312	325	346	363	372	384	390	381	384	388	376	383	386	354	354
28	376	366	363	358	339	320	325	336	343	352	359	358	359	355	357	356	362	362	365	358	358	363	362	362	355	355
29	363	366	352	352	354	355	352	349	343	342	343	355	357	358	359	359	360	361	366	369	369	369	366	367	358	358
30 Q	363	360	359	359	357	349	330	352	354	355	354	357	354	352	348	342	342	344	348	353	358	359	359	355	353	353
31 D	356	355	356	355	355	355	354	349	321	324	344	343	337	333	347	336	342	361	369	376	381	386	393	389	355	355
Mean	364	362	360	354	349	341	340	341	336	337	345	349	351	349	349	347	348	352	356	359	360	362	365	365	365	352

AGINCOURT MAGNETIC OBSERVATORY, 1945-1946

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt

October 1946

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	21	32	318	08	49	214	104	15	36	33.4	01	45	10.0	23.4	19	30	396	08	53	216	180
2	03	50	343	14	30	251	92	04	30	30.5	03	37	11.2	19.3	03	03	375	08	28	318	57
3	05	16	328	06	15	270	58	05	20	38.5	06	30	11.6	26.9	20	50	365	05	55	272	93
4	02	46	339	16	18	275	64	17	18	31.3	02	40	16.2	15.1	20	28	377	03	04	318	59
5	15	44	335	14	50	254	81	15	42	38.0	03	35	15.9	22.1	18	57	377	16	00	343	34
6	10	51	332	03	09	281	51	09	09	29.9	03	10	08.4	21.5	21	26	395	09	08	308	87
7	10	37	334	15	30	261	73	16	35	35.8	09	08	15.0	20.8	00	10	389	11	52	312	77
8 Q	23	36	353	15	26	303	50	18	52	28.0	13	27	16.7	11.3	04	46	361	14	48	338	23
9 D	01	14	358	06	30	232	126	06	59	44.2	23	02	02.7	46.9	22	52	423	07	00	245	178
10	19	48	337	15	45	283	54	21	09	30.6	13	30	15.9	14.7	00	10	375	14	47	345	30
11	23	42	336	14	42	254	82	17	55	31.2	13	36	15.0	16.2	00	17	369	14	37	340	29
12	02	38	352	14	33	276	76	17	43	30.1	02	22	09.9	20.2	20	50	360	06	14	320	40
13 Q	02	37	353	15	51	263	90	18	38	29.0	13	50	14.2	14.8	20	00	360	15	33	343	17
14	21	48	342	14	56	270	72	18	40	28.3	12	45	13.4	14.9	13	00	358	08	34	319	39
15	22	05	341	14	18	292	49	19	05	29.6	12	52	14.3	15.3	22	40	358	10	19	335	23
16	22	02	338	14	35	285	53	18	36	30.9	12	44	14.6	16.3	21	30	369	07	26	322	47
17 Q	21	59	346	16	10	285	61	19	53	28.2	13	10	16.1	12.1	00	03	355	16	27	341	14
18 Q	01	30	345	15	40	307	38	18	47	26.9	13	43	15.8	11.1	21	32	350	16	30	335	15
19	22	05	349	16	12	297	52	23	34	30.8	13	22	16.0	14.8	23	15	376	16	58	333	43
20 D	20	26	347	09	17	281	66	05	41	29.1	06	56	11.3	17.8	00	03	379	05	42	273	106
21	21	24	348	16	15	288	60	17	47	27.2	01	55	17.4	09.8	21	23	360	16	27	338	22
22	00	40	339	15	30	292	47	16	50	29.0	11	38	18.2	10.8	21	43	354	16	23	337	17
23	21	15	334	14	55	286	48	17	35	29.1	05	12	15.3	13.8	01	55	353	06	50	318	35
24	09	48	336	14	42	287	49	17	35	30.4	11	39	17.7	12.7	20	35	357	15	53	330	27
25	07	04	339	16	00	282	57	18	43	29.0	08	00	15.3	13.7	23	59	377	07	12	318	59
26 D	22	10	358	16	00	249	109	22	08	33.7	22	37	10.9	22.8	22	25	554	06	39	253	301
27 D	00	40	490	04	18	077	413	03	36	44.4	02	51	01.1	45.5	00	40	612	08	30	155	457
28	04	55	332	16	00	265	67	19	09	30.3	00	01	05.1	25.2	00	01	392	05	19	313	79
29	11	51	326	16	49	281	45	20	33	29.2	10	15	16.2	13.0	21	00	372	02	55	337	35
30 Q	23	50	333	16	32	298	35	17	50	27.5	07	54	18.0	09.5	00	25	363	06	16	319	44
31 D	14	30	342	17	30	273	69	14	22	32.1	09	20	15.2	16.9	22	24	397	08	55	288	109
Mean			345			268	77			31.5			13.1	18.4			386			309	77
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 1946

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	302	297	300	279	291	287	274	274	297	284	293	318	292	286	267	263	258	274	286	299	298	296	308	310	289	
2	319	321	320	319	319	319	315	279	306	314	314	318	311	302	293	286	286	289	296	299	304	312	318	320	307	
3	321	322	324	326	326	323	323	322	326	328	327	326	320	314	306	308	310	313	314	321	329	327	331	331	322	
4	325	328	329	330	330	330	331	334	334	334	331	335	336	321	312	306	303	303	308	317	331	342	332	334	325	
5	335	335	334	334	334	325	315	314	320	330	344	348	335	317	312	305	310	319	334	354	351	360	351	351	332	
6 D	349	352	344	336	339	325	315	295	303	312	313	320	323	298	277	293	303	293	304	313	319	318	315	313	316	
7	309	322	320	316	309	320	321	324	324	325	324	327	322	315	304	300	299	305	312	321	327	327	330	332	318	
8	331	330	328	324	325	328	330	331	333	332	330	328	324	312	303	294	295	302	316	319	329	336	340	331	323	
9	316	321	319	327	327	324	328	330	328	326	329	331	322	314	302	294	290	299	311	321	338	347	333	333	321	
10	337	333	325	333	331	334	332	332	331	332	332	331	316	299	289	276	285	295	311	309	315	307	323	328	318	
11	328	327	301	287	315	319	319	318	324	324	323	324	323	307	289	277	270	280	299	317	334	331	339	336	313	
12	339	333	316	314	285	271	304	311	313	319	319	318	305	285	267	253	254	258	286	294	312	325	330	329	302	
13	325	329	329	326	329	331	330	328	327	326	326	329	324	311	296	286	283	294	297	317	331	329	329	324	319	
14 Q	330	330	329	328	329	330	332	331	330	330	331	328	322	309	292	283	285	288	299	316	330	334	336	335	320	
15	336	334	333	333	333	333	333	333	334	342	339	335	336	330	317	315	302	323	326	325	336	332	334	343	352	332
16	338	342	331	321	324	313	304	303	312	308	312	314	313	305	298	292	288	291	298	297	304	304	320	321	311	
17	325	322	322	326	322	325	326	325	326	327	324	326	321	313	304	297	298	303	314	322	330	324	318	324	319	
18	317	324	324	324	324	327	329	329	330	331	330	335	329	318	311	310	306	314	325	330	331	334	337	330	325	
19	312	316	319	321	322	304	309	307	305	316	314	319	322	312	301	298	303	309	320	315	312	317	304	317	312	
20	321	320	320	319	299	305	320	326	328	327	333	335	327	309	303	319	322	317	309	319	327	327	328	341	321	
21 D	340	323	331	327	288	323	328	327	336	316	316	338	337	313	285	293	279	273	282	296	316	321	301	291	312	
22	305	319	305	304	310	303	302	306	300	318	322	321	318	309	293	280	264	285	304	307	316	321	321	325	306	
23	325	331	326	319	323	327	327	326	321	325	331	327	326	306	297	292	290	296	301	310	318	326	332	333	318	
24 D	331	325	327	328	323	323	321	318	331	336	348	352	328	300	317	300	288	280	285	292	302	308	314	316	316	
25 D	314	310	312	316	323	317	313	308	308	300	307	320	312	302	305	292	291	284	281	291	308	320	317	311	307	
26	313	319	303	301	313	312	311	319	319	318	321	321	313	304	293	284	276	291	308	315	323	330	331	332	311	
27 Q	331	328	327	325	323	324	325	325	327	332	335	331	319	303	294	291	299	313	323	329	331	334	336	336	322	
28 Q	334	333	332	331	331	333	338	339	333	332	336	336	336	328	321	315	310	309	314	318	323	332	332	336	328	
29 Q	336	335	336	335	336	335	337	338	339	339	338	338	334	317	306	299	296	300	310	321	328	334	337	333	327	
30 Q	332	330	328	327	329	329	332	334	334	335	337	335	338	336	326	321	318	318	323	326	332	332	332	334	330	
31																										
Mean	325	326	323	321	320	320	321	319	323	324	325	329	323	309	299	294	292	297	306	314	322	326	327	327	317	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt

D = 7° W + . . . '

November 1946

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	22.0	18.1	26.2	20.2	14.4	18.2	19.2	16.5	16.2	16.6	31.7	25.7	24.2	26.2	24.6	30.0	34.2	31.7	28.7	27.2	26.3	23.2	23.5	23.9	23.7
2	22.6	23.1	23.0	23.0	23.3	22.4	17.8	16.4	22.6	18.7	19.4	20.5	20.7	20.2	19.9	22.7	26.1	27.8	28.9	28.0	26.5	25.3	24.4	21.6	22.7
3	18.9	21.3	22.6	23.0	23.0	23.1	23.2	24.4	21.2	21.4	21.6	21.3	20.8	19.8	20.2	22.6	24.8	25.7	25.3	24.4	23.2	23.5	23.5	23.5	22.6
4	22.0	22.6	22.5	22.5	22.7	22.5	22.4	22.4	21.4	20.9	21.5	24.1	19.3	18.3	20.2	19.8	22.6	24.9	26.2	26.2	25.3	25.4	24.3	22.6	22.6
5	22.7	22.7	22.1	21.5	20.8	18.9	17.4	18.1	17.3	17.1	15.0	16.1	17.4	15.3	17.1	19.0	22.5	24.3	26.1	25.2	24.2	23.3	23.3	22.5	20.4
6 D	22.2	22.4	21.1	20.4	21.6	19.3	19.2	18.9	14.0	14.0	23.4	18.4	14.2	15.2	28.8	33.8	30.2	31.1	27.9	26.8	25.2	25.2	24.3	25.2	22.6
7	23.9	22.4	22.1	19.5	18.3	25.6	23.4	22.4	22.0	21.1	21.4	20.6	20.1	19.0	18.2	21.6	24.4	27.0	27.9	27.1	25.2	24.1	23.8	23.5	22.7
8	23.0	22.5	22.4	22.5	22.5	22.5	22.5	21.9	21.6	21.0	20.9	20.1	19.9	17.7	18.9	21.0	24.5	26.4	27.4	26.5	25.2	24.6	24.3	23.2	22.7
9	23.8	23.6	21.9	20.8	22.5	23.1	23.0	21.8	20.4	21.6	21.6	19.2	17.0	16.3	17.9	21.7	24.4	26.8	28.0	27.7	26.5	26.0	25.2	25.2	22.8
10	23.4	20.1	17.1	22.9	21.9	22.5	22.5	21.6	21.3	20.4	20.4	20.0	18.0	15.6	16.8	19.9	25.2	28.2	29.9	30.7	31.3	31.0	27.3	23.5	23.0
11	22.2	21.6	10.9	15.2	20.9	22.6	22.5	24.2	28.0	20.7	19.2	19.7	18.0	16.1	18.2	21.9	26.2	29.2	30.2	29.7	28.4	26.2	26.2	23.7	22.6
12	21.8	19.0	17.0	20.0	17.0	20.7	23.2	22.7	22.4	21.6	20.8	20.0	18.0	15.8	16.7	20.0	24.4	28.3	31.5	30.6	29.1	26.4	24.2	23.2	22.2
13	22.1	21.8	21.5	21.7	21.5	22.6	22.6	22.4	22.2	21.5	21.2	20.0	18.8	17.2	17.0	18.0	22.3	26.1	28.1	29.0	27.2	26.1	25.3	22.2	22.4
14 Q	22.7	22.4	21.8	22.5	21.6	21.7	21.6	21.5	21.6	21.2	20.6	19.8	20.9	18.5	17.0	18.6	23.2	26.8	28.1	28.5	27.0	25.4	23.6	23.3	22.5
15	22.6	22.1	21.4	20.8	20.9	21.5	21.2	20.7	24.5	20.0	17.0	16.3	17.0	14.1	15.2	17.7	21.8	24.3	26.3	27.6	28.3	27.6	26.9	27.2	21.8
16	27.0	26.9	21.0	17.8	23.3	22.1	21.3	25.4	19.8	19.7	20.6	20.7	19.0	17.7	16.3	18.8	21.8	25.1	27.0	29.1	27.5	24.2	25.1	23.6	22.5
17	22.6	22.4	20.0	17.6	20.5	21.8	22.7	22.1	21.6	20.9	20.7	20.0	18.7	17.1	16.3	18.3	21.6	25.3	26.9	26.1	25.6	26.2	26.7	24.6	22.0
18	20.7	22.5	21.6	21.8	22.2	21.6	21.9	21.3	21.9	20.5	19.8	19.2	18.5	16.8	17.3	20.4	23.6	25.1	26.2	25.4	25.3	24.5	23.5	24.3	21.9
19	25.9	22.8	20.1	21.3	21.8	25.2	19.5	17.1	20.1	23.4	17.9	21.1	17.9	17.1	19.8	24.8	25.3	27.2	29.0	28.2	27.1	28.0	26.7	25.2	23.1
20	23.1	21.6	20.9	19.5	15.9	20.1	21.5	21.8	21.7	20.9	19.8	19.1	18.4	17.1	23.8	21.7	23.3	25.3	26.2	27.3	26.2	24.6	22.8	21.0	21.8
21 D	22.6	21.7	20.6	19.7	19.5	20.9	20.1	20.5	19.1	16.9	18.7	21.9	19.1	16.2	21.3	22.6	25.3	28.8	29.9	28.7	26.3	24.6	24.5	22.2	22.1
22	18.7	20.8	19.7	17.9	30.0	20.2	22.8	27.2	21.3	17.3	18.0	19.2	19.6	18.3	20.6	23.2	26.3	26.9	29.2	28.9	27.8	26.0	23.6	21.9	22.7
23	21.9	17.8	21.9	21.6	22.8	25.6	23.0	21.5	21.2	27.2	20.1	21.4	19.9	20.9	20.1	20.6	24.2	26.3	27.7	26.3	25.3	24.3	23.3	22.5	22.8
24 D	22.3	21.9	21.8	20.8	20.2	22.2	20.0	16.0	16.4	21.8	20.0	18.9	32.9	39.6	25.4	24.2	24.7	26.3	28.0	27.3	26.0	24.4	23.5	22.9	23.5
25 D	22.6	22.5	21.4	21.9	26.6	24.7	23.8	21.8	22.9	17.2	17.9	21.4	22.0	24.7	26.3	25.9	28.0	29.4	31.6	29.3	25.3	24.7	24.7	21.2	24.1
26	22.0	20.9	16.1	15.2	20.1	20.6	21.5	22.5	21.9	20.9	21.0	20.5	19.1	18.3	18.6	21.9	24.6	28.1	29.3	28.1	26.4	25.0	23.0	21.9	22.0
27 Q	21.4	20.8	21.2	21.0	21.2	21.5	21.3	21.4	21.5	20.6	19.7	19.3	19.0	18.2	18.3	20.2	23.3	25.6	26.5	25.4	23.9	23.9	23.3	22.4	21.7
28 Q	21.8	20.9	21.5	21.0	21.3	22.2	21.8	22.9	19.9	20.1	19.7	19.3	18.8	19.0	18.3	19.9	22.4	23.8	24.9	25.4	24.3	23.9	22.4	22.4	21.6
29 Q	22.0	21.4	21.9	21.6	22.0	21.9	22.1	22.0	21.9	21.4	21.0	20.4	20.1	17.6	17.8	19.9	23.3	25.7	27.3	26.3	24.8	23.7	22.5	22.3	22.1
30 Q	22.1	21.2	20.9	21.3	21.2	21.8	22.1	22.4	22.0	21.9	21.2	20.1	18.3	18.3	18.5	19.1	21.9	24.0	25.6	25.2	24.8	23.7	22.9	22.9	21.8
31																									
Mean	22.4	21.7	20.8	20.5	21.3	22.0	21.5	21.3	21.0	20.2	20.2	20.1	19.5	18.7	19.5	21.6	24.5	26.7	27.8	27.3	26.2	25.2	24.2	23.2	22.4

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

Table 43 Agincourt

$z = 56,000 \gamma +$

November 1946

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	387	371	365	374	337	343	318	294	278	261	249	286	317	338	347	361	370	380	379	379	380	397	386	372	344	344
2	367	362	361	360	359	357	316	310	336	350	359	361	361	361	359	359	362	367	373	379	380	374	371	367	362	358
3	362	359	361	359	358	355	351	347	351	355	355	355	358	358	359	360	355	355	359	361	361	357	358	355	357	357
4	356	357	357	356	355	355	356	354	354	354	352	350	344	344	345	340	344	345	347	354	360	361	358	356	352	352
5	354	354	355	354	355	345	344	350	351	347	339	334	337	342	341	340	341	343	350	348	347	347	344	347	346	346
6 D	348	351	353	353	356	354	353	327	327	311	277	278	334	340	334	332	328	342	351	356	362	362	360	368	340	340
7	370	362	365	360	360	360	362	360	357	353	353	352	354	354	352	353	357	357	358	360	356	357	356	356	358	358
8	354	351	352	352	354	354	354	352	352	351	351	353	353	354	355	350	354	353	354	357	358	357	356	359	354	354
9	363	368	370	361	355	358	357	355	353	352	348	350	348	349	348	345	348	353	357	358	357	361	357	361	355	355
10	358	363	362	361	355	354	353	353	353	352	352	351	353	352	350	345	349	349	351	356	370	375	368	361	356	356
11	357	361	350	352	366	362	357	345	319	342	348	358	358	358	351	350	348	352	352	356	362	361	361	358	353	353
12	359	363	363	363	325	334	367	369	356	361	362	363	363	359	353	349	354	361	366	367	369	365	361	358	359	359
13	359	359	358	356	356	352	349	353	353	355	354	356	354	352	353	347	346	353	358	358	363	362	360	359	355	355
14 Q	357	355	355	355	355	354	355	351	352	351	353	351	356	355	353	347	346	350	354	355	359	358	354	352	353	353
15	350	350	352	352	350	349	349	350	340	326	330	342	342	340	338	333	334	340	343	350	356	356	362	371	346	346
16	385	401	398	385	370	361	358	337	336	352	358	359	361	357	350	346	348	353	359	364	367	379	367	362	363	363
17	359	358	357	347	353	355	355	354	354	352	352	350	349	348	347	336	334	341	346	352	354	356	358	358	351	351
18	361	356	354	350	352	350	350	346	349	346	347	346	347	348	347	346	342	349	352	353	352	352	356	354	350	350
19	361	367	364	362	352	356	356	344	317	319	341	356	358	352	350	350	348	356	362	366	366	377	405	385	357	357
20	379	367	362	363	359	359	364	360	358	354	356	353	355	355	358	352	349	349	356	358	355	357	355	354	358	358
21 D	353	358	359	364	363	370	362	358	354	333	289	298	313	328	346	363	358	364	369	373	370	367	373	379	353	353
22	376	359	360	349	304	324	337	323	326	338	353	357	358	357	358	357	363	376	369	369	367	364	364	362	353	353
23	359	352	353	353	353	337	327	348	348	342	343	348	349	354	358	353	356	360	363	364	364	362	361	357	353	353
24 D	356	356	357	355	350	338	308	323	336	337	331	329	321	321	317	334	353	364	370	371	370	367	364	363	346	346
25 D	362	361	362	359	359	362	362	357	350	328	341	340	338	350	349	357	369	370	366	364	372	369	369	372	358	358
26	371	367	368	357	365	359	360	360	362	360	359	359	359	356	354	346	350	356	359	361	360	360	359	357	359	359
27 Q	356	357	357	356	356	356	354	354	354	356	357	354	356	356	354	354	356	359	364	364	359	359	357	356	357	357
28 Q	354	354	355	355	355	354	348	343	343	348	351	352	353	353	350	349	349	353	358	360	359	358	355	354	353	353
29 Q	349	350	353	350	348	346	348	348	350	346	346	348	346	354	353	349	350	354	359	362	362	358	356	354	352	352
30 Q	354	353	356	354	353	353	353	352	350	352	350	350	354	350	349	345	349	350	354	358	358	358	357	356	353	353
31																										
Mean	361	360	359	358	353	352	349	346	344	342	342	345	348	349	349	348	350	355	358	361	362	363	362	361	353	353

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt

November 1946

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	h.	m.	'	h.	m.	'	h.	m.	γ	h.	m.	γ	γ	
1 D	11	05	331	10	01	226	10	11	42.6	01	28	07.8	34.8	21	47	412	10	25	223	189
2	06	32	327	07	18	270	18	57	29.0	07	20	10.6	18.4	20	02	379	06	39	288	91
3	22	12	334	14	45	299	07	32	27.3	00	03	16.9	10.4	00	10	365	07	11	344	21
4	21	28	349	17	50	301	18	43	27.1	13	42	16.8	10.3	21	30	364	15	35	338	26
5	20	54	368	14	48	298	18	40	26.8	12	13	10.1	16.7	09	23	360	11	29	328	32
6 D	01	06	360	15	00	257	10	57	35.7	12	50	10.6	25.1	23	58	377	10	58	235	142
7	23	47	333	00	01	293	05	24	28.8	04	45	14.7	14.1	00	01	375	15	03	350	25
8	22	38	344	15	50	288	18	38	28.0	13	32	15.6	12.4	20	20	361	15	48	348	13
9	21	40	356	16	02	288	18	58	28.8	12	48	13.8	15.0	02	22	375	15	23	342	33
10	00	47	341	15	33	268	19	56	32.9	02	27	12.9	20.0	21	35	375	15	16	345	30
11	22	03	344	16	44	267	18	50	31.4	02	48	01.2	32.6	03	59	367	08	15	312	55
12	00	53	344	05	11	243	18	40	32.8	04	42	08.5	24.3	06	47	381	04	35	282	99
13	21	03	340	16	21	280	19	09	29.6	15	00	16.3	13.3	21	02	367	15	55	346	21
14 Q	22	36	340	15	33	277	19	10	28.8	14	13	16.0	12.8	21	05	362	17	04	346	16
15	07	58	375	15	25	288	23	43	32.3	13	38	07.6	24.7	23	59	376	10	04	309	67
16	01	45	353	17	00	285	01	48	30.4	03	42	11.6	18.8	02	05	413	07	50	324	89
17	20	05	336	16	52	294	21	58	27.4	03	13	12.4	15.0	00	10	362	16	45	333	29
18	11	22	339	16	18	305	18	53	26.4	13	55	15.1	11.3	00	20	361	10	03	342	19
19	21	45	330	22	38	274	22	20	35.5	09	30	11.3	24.2	22	33	429	08	41	283	146
20	23	59	345	04	23	286	19	23	28.2	04	20	12.8	15.4	00	01	382	16	54	348	34
21 D	00	02	357	14	25	260	10	04	30.7	10	40	08.6	22.1	23	36	383	10	30	275	108
22	00	58	341	16	55	255	04	37	41.8	00	50	03.6	38.2	00	48	387	04	23	282	105
23	01	32	344	16	24	288	09	18	31.7	01	12	08.7	23.0	19	58	365	06	10	316	49
24 D	03	50	363	13	15	208	13	40	55.6	10	33	14.1	41.5	19	08	375	06	53	262	113
25 D	03	55	330	15	30	231	15	32	32.5	10	09	13.4	19.1	23	18	379	09	13	308	71
26	23	03	334	16	23	270	18	06	29.5	03	05	03.1	26.4	00	01	372	14	26	345	27
27 Q	22	43	337	16	00	289	18	15	27.0	13	23	17.9	09.1	19	08	364	14	45	352	12
28 Q	07	30	344	16	30	306	07	26	25.8	14	54	17.8	08.0	18	55	360	07	57	336	24
29 Q	10	03	341	16	41	291	18	28	27.5	13	39	17.2	10.3	19	51	362	16	00	342	20
30 Q	12	41	340	17	15	315	18	42	25.9	12	41	16.6	09.3	22	00	359	15	39	344	15
31																				
Mean			344			277			31.3			12.1	19.2			375			318	57
No. days			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 1946

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	333	333	330	328	325	326	331	333	336	339	335	335	333	326	318	317	313	317	324	328	327	325	325	319	327
2	323	327	319	319	322	319	317	322	324	327	329	332	334	329	324	323	314	306	309	316	330	329	325	321	323
3	316	304	297	304	301	296	307	319	320	322	330	332	321	311	308	303	301	307	314	317	319	318	324	327	313
4	328	324	326	329	323	324	327	328	327	331	332	333	333	328	325	318	315	322	334	342	345	343	346	345	331
5 D	345	344	338	337	335	338	330	332	329	327	333	326	332	337	328	309	296	308	324	336	336	337	332	337	331
6	332	335	332	333	321	317	322	319	324	329	327	327	326	316	307	302	305	310	316	324	329	332	333	331	323
7	338	334	332	321	299	304	309	312	321	321	330	329	326	320	309	296	282	289	307	320	324	332	333	333	318
8	331	331	332	309	307	324	329	331	330	330	326	331	328	320	309	301	302	309	320	327	333	337	340	339	324
9 Q	336	336	336	333	330	332	333	335	337	340	337	335	331	320	306	297	299	308	321	331	333	338	344	341	328
10 D	344	336	339	338	339	342	340	339	339	343	346	342	339	329	306	281	305	317	327	338	337	343	336	341	333
11 D	347	346	342	341	341	341	337	340	338	336	333	344	340	331	307	298	290	300	312	308	310	316	322	332	327
12 D	329	322	326	331	329	331	328	329	332	334	333	328	339	326	305	286	280	290	302	315	330	336	334	331	322
13	336	337	337	337	333	332	331	332	328	334	336	336	337	329	317	306	307	307	311	322	333	339	341	340	329
14 Q	340	337	338	338	336	337	334	336	336	336	337	337	336	330	315	298	285	291	303	321	332	338	342	342	328
15 Q	341	340	339	341	339	341	340	340	338	337	341	339	337	327	316	305	298	299	306	317	333	340	342	342	331
16	342	337	338	337	337	337	336	336	336	336	337	336	336	331	324	316	316	318	321	332	342	350	346	338	334
17	340	334	333	328	328	323	317	326	326	326	326	336	329	322	317	316	312	310	316	321	326	331	331	334	325
18	337	330	324	325	317	319	319	332	337	336	338	342	342	334	324	323	321	322	321	329	337	339	339	339	330
19 D	338	332	327	321	329	326	308	302	286	303	342	344	297	293	300	275	260	274	280	284	304	321	316	316	307
20 Q	316	310	308	310	316	319	316	315	316	315	315	316	319	319	310	295	285	290	296	304	310	314	319	322	310
21	322	321	322	322	324	321	327	327	327	314	315	329	324	314	305	294	293	291	300	311	319	325	322	327	317
22	332	323	332	334	331	332	323	321	316	324	327	331	333	327	323	314	298	301	311	312	321	330	334	334	323
23	334	332	333	335	333	340	337	330	330	335	335	331	322	323	323	313	302	301	309	322	329	332	332	333	327
24	326	320	318	321	328	323	321	326	330	327	331	332	331	327	321	311	302	304	315	323	328	333	338	338	329
25	338	337	333	334	334	331	330	327	323	329	333	331	332	325	317	310	306	307	318	335	343	358	327	335	329
26	323	322	312	306	311	315	317	324	313	306	322	327	335	329	315	301	296	299	301	303	314	317	319	317	315
27	316	316	306	306	311	307	302	304	311	326	328	332	332	330	320	312	303	298	291	293	313	328	329	317	313
28	318	306	311	309	315	319	322	323	321	329	330	329	328	324	331	325	317	306	301	307	317	324	330	332	320
29	329	327	338	329	332	330	331	330	328	337	337	335	337	334	330	319	306	306	303	311	322	327	327	327	326
30 Q	328	331	328	330	327	332	335	333	334	332	333	333	335	333	326	312	303	302	310	322	329	338	339	338	327
31	337	330	323	323	327	328	333	338	338	340	340	340	343	339	334	326	313	312	315	323	329	336	340	338	331
Mean	332	329	327	326	325	326	325	327	327	329	332	333	331	325	317	306	301	304	311	319	327	333	333	333	324

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt

D = 7° W + . . .

December 1946

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	21.3	21.2	21.1	21.3	21.0	21.1	21.3	21.4	21.6	21.6	21.4	20.7	20.4	19.4	18.4	19.4	23.4	29.8	30.8	28.6	26.2	23.5	22.0	22.5	22.4
2	22.1	20.7	20.1	20.8	20.5	21.1	22.2	24.4	21.7	20.2	19.4	18.9	18.1	17.2	20.0	22.8	24.0	26.2	26.8	24.9	24.0	23.8	23.9	24.4	22.0
3	24.4	20.9	16.5	20.4	19.8	18.0	20.2	21.6	22.3	25.2	24.7	21.4	21.3	19.3	18.4	21.0	22.7	24.0	25.0	24.6	24.0	24.0	23.1	22.4	21.9
4	21.6	21.5	21.2	21.3	21.2	22.1	22.0	23.4	20.7	20.4	19.8	20.4	20.7	20.7	19.2	19.9	21.1	21.9	23.1	22.4	22.9	22.9	21.9	21.2	21.4
5 D	21.2	20.6	19.9	20.5	20.8	20.8	20.2	19.4	17.5	16.3	18.1	19.5	22.3	19.8	17.5	19.0	24.5	28.6	27.6	26.7	26.6	27.2	26.3	23.1	21.8
6	21.4	21.2	20.5	19.0	20.8	19.8	19.5	20.5	20.4	19.3	19.5	20.5	19.5	16.8	18.4	19.7	22.6	24.4	25.4	24.3	24.3	23.8	24.6	22.6	21.2
7	20.8	20.2	19.0	20.5	19.6	18.7	18.8	21.0	21.9	19.5	19.2	19.3	18.7	18.0	18.3	19.7	26.3	28.8	29.2	27.0	25.1	24.3	23.4	21.9	21.6
8	21.7	21.7	21.6	20.0	14.7	19.9	21.8	21.9	21.0	19.9	21.8	20.7	19.0	18.2	18.1	19.2	21.1	24.3	25.6	25.4	24.6	24.5	23.4	22.4	21.4
9 Q	22.1	21.6	20.8	20.8	20.7	21.2	21.6	21.6	21.0	20.1	19.4	19.4	19.1	18.2	18.8	21.5	25.2	27.6	28.5	27.5	26.5	25.1	23.5	22.6	22.3
10 D	22.7	21.8	20.8	20.5	20.7	21.2	21.8	21.1	21.2	21.4	19.9	19.3	20.2	17.6	16.2	22.7	24.8	25.7	27.1	28.2	25.4	24.5	24.6	21.6	22.1
11 D	20.5	19.9	19.7	20.3	20.9	21.1	21.8	21.6	21.0	20.2	22.6	19.5	19.9	18.8	20.3	22.8	26.5	27.5	28.9	30.2	30.0	27.8	23.6	22.9	22.8
12 D	22.6	17.8	19.3	19.4	19.7	21.0	21.5	21.6	21.6	21.6	19.6	26.6	25.5	19.8	19.4	22.5	24.3	26.6	29.8	30.1	28.5	26.3	25.3	23.2	23.1
13	21.6	20.4	19.8	20.2	20.7	20.3	21.6	22.9	25.7	19.8	19.3	19.1	18.6	17.3	20.6	19.1	20.9	24.7	26.0	25.9	25.3	23.8	22.6	21.8	21.6
14 Q	21.3	21.1	20.1	19.9	19.9	20.3	20.2	20.0	20.2	20.0	20.1	19.5	17.7	16.7	17.4	30.7	23.7	25.8	26.4	24.8	23.7	22.1	21.3	20.8	
15 Q	20.4	20.7	20.2	19.7	19.6	19.9	20.4	20.5	20.3	19.5	20.3	20.2	19.7	17.6	15.9	17.0	19.7	22.9	25.7	26.2	25.7	24.4	23.5	22.1	20.9
16	21.7	20.3	20.4	20.0	19.9	20.1	20.9	21.7	20.0	19.2	19.2	19.0	17.9	17.2	16.1	16.3	19.1	21.8	23.0	23.7	23.8	24.3	24.5	24.0	20.6
17	23.1	20.5	20.0	20.0	19.9	19.9	20.9	21.5	21.7	17.2	19.1	22.9	20.9	20.6	20.0	19.1	21.8	22.5	23.2	22.7	23.0	23.6	22.2	21.5	21.2
18	21.8	20.7	19.8	19.8	20.2	20.1	21.8	20.6	20.2	19.3	19.1	19.0	19.1	17.8	19.0	19.1	20.7	23.2	24.0	23.5	22.2	22.3	21.6	20.9	20.7
19 D	20.6	20.3	20.3	21.0	19.8	17.3	14.6	09.6	09.7	08.6	07.7	15.7	25.9	38.3	26.0	22.9	24.9	25.3	25.9	29.5	26.3	23.7	22.2	21.8	20.8
20 Q	22.2	22.4	23.2	22.8	23.6	24.6	23.7	23.7	22.7	21.8	21.3	21.1	20.4	19.9	18.7	18.7	19.5	21.7	23.8	24.5	24.6	24.2	24.5	24.1	22.4
21	23.2	23.1	22.9	22.8	23.3	22.0	21.4	21.9	20.8	26.2	17.8	19.4	19.6	20.5	22.2	21.7	22.8	24.9	25.9	26.6	25.8	25.0	24.2	23.2	22.8
22	23.8	21.9	22.0	21.7	20.8	20.6	19.0	21.0	22.3	23.8	19.8	20.8	22.3	24.5	20.2	18.8	21.3	22.2	25.5	25.9	25.1	24.8	23.3	22.7	22.2
23	22.3	21.4	20.9	21.4	21.1	20.9	20.7	19.6	20.5	21.5	19.4	17.6	21.5	22.3	18.8	19.9	22.9	24.2	25.8	25.9	25.6	24.6	23.9	22.6	21.9
24	22.7	22.6	20.9	21.8	21.8	19.4	21.8	22.4	21.8	21.3	20.9	20.9	20.4	19.7	18.8	19.8	21.8	23.7	25.1	25.6	25.1	24.2	23.2	22.3	21.9
25	22.2	21.8	22.1	21.9	21.4	20.7	21.1	21.2	20.9	19.7	19.3	20.6	20.5	19.1	19.9	21.6	23.3	24.4	26.0	27.0	26.9	28.1	29.6	25.1	22.8
26	22.7	23.0	22.3	20.1	21.2	21.9	22.2	23.2	21.4	19.6	19.0	24.7	30.1	27.4	22.3	23.3	24.2	26.7	28.9	29.6	29.4	28.7	25.2	23.8	24.2
27	22.8	21.5	21.5	25.7	21.7	19.9	18.9	17.8	24.9	21.9	20.6	20.0	19.1	18.9	17.1	18.8	21.9	24.1	26.9	27.8	27.2	25.8	27.0	22.9	22.3
28	22.9	19.2	18.8	19.5	20.6	21.5	22.0	23.3	27.0	22.0	20.9	20.2	20.7	21.6	20.0	19.8	21.9	25.1	26.9	26.7	26.2	25.2	24.2	22.8	22.4
29	22.2	21.0	21.0	19.8	20.0	21.5	22.5	23.4	25.2	21.6	21.1	20.4	21.3	22.4	18.9	18.8	21.5	24.3	27.1	27.7	25.6	24.7	23.5	23.3	22.4
30 Q	22.0	21.9	21.5	21.1	20.4	21.9	21.9	21.9	21.6	21.0	20.7	20.6	19.8	18.9	17.4	17.1	19.8	23.4	26.1	27.0	26.1	24.3	22.6	21.9	21.7
31	21.7	21.5	21.0	21.6	20.8	20.8	21.8	22.7	23.7	22.5	21.0	19.7	19.5	19.7	20.2	20.9	22.9	24.8	26.6	26.3	25.0	23.8	22.4	22.2	22.2
Mean	22.0	21.1	20.7	20.8	20.6	20.7	20.9	21.2	21.4	20.4	19.7	20.3	20.7	20.1	19.1	20.0	22.5	24.8	26.3	26.4	25.6	24.8	23.7	22.7	21.9

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

Table 47 Agincourt

$Z = 56,000 \gamma +$

December 1946

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	355	356	356	355	356	357	355	354	352	351	351	350	350	350	350	346	341	348	355	361	361	360	358	359	354	
2	358	356	356	355	351	347	349	345	349	353	353	353	353	353	350	345	344	352	358	364	362	362	364	367	354	
3	372	373	361	365	364	362	362	361	358	349	342	343	353	357	359	358	356	358	362	364	363	363	362	360	359	
4	359	357	359	355	358	359	353	346	350	356	356	354	355	355	355	352	352	350	355	354	354	355	353	352	354	
5 D	352	350	353	352	354	353	354	355	343	348	352	349	348	350	347	344	347	350	362	362	361	362	363	362	353	
6	359	360	363	356	369	375	367	366	363	358	358	358	359	359	356	350	348	354	359	358	359	360	359	360	360	
7	359	359	352	342	354	361	359	360	367	364	362	360	358	358	356	350	353	362	367	362	362	364	362	360	359	
8	362	363	362	364	364	361	358	357	358	355	352	349	352	350	344	342	344	346	352	356	357	359	357	355	355	
9 Q	356	356	357	354	353	353	353	350	352	353	352	350	350	352	347	340	344	350	358	359	356	358	356	353	353	
10 D	356	358	357	356	353	352	350	348	350	348	347	346	353	355	350	343	347	345	349	357	359	358	358	359	352	
11 D	355	354	353	350	351	348	350	349	347	346	347	346	348	350	351	344	342	353	358	370	372	378	373	367	354	
12 D	364	365	364	361	358	354	354	353	353	353	350	340	329	334	342	346	362	357	357	363	364	364	360	361	354	
13	362	358	358	353	353	353	353	343	337	344	347	347	351	352	352	350	349	347	353	356	359	356	354	354	352	
14 Q	351	352	352	352	353	352	350	350	350	350	350	350	353	354	354	346	344	351	354	354	358	356	355	352	352	
15 Q	350	350	351	351	352	352	351	349	349	349	349	347	348	348	348	345	346	348	353	355	358	356	354	352	350	
16	350	350	352	350	349	349	350	348	348	348	349	349	349	350	350	346	347	347	352	356	354	356	353	356	350	
17	359	356	359	359	359	359	356	348	341	340	343	340	346	355	355	356	352	353	358	358	359	358	357	356	353	
18	355	358	360	359	360	360	354	354	354	354	353	352	350	347	347	345	342	342	340	343	352	350	351	348	352	
19 D	349	349	351	353	349	342	341	323	294	271	298	312	313	313	324	334	342	374	390	373	373	369	363	362	340	
20 Q	361	362	362	362	361	359	360	360	360	361	362	365	365	364	365	365	363	364	368	365	365	365	363	361	363	
21	359	361	360	360	357	360	360	358	341	296	314	341	350	351	357	356	354	354	357	362	362	365	364	364	353	
22	364	364	365	364	360	357	342	347	351	341	348	352	349	351	350	345	341	349	355	359	361	362	360	359	354	
23	357	355	358	355	358	358	355	355	354	350	354	350	350	351	351	347	349	350	359	365	363	360	361	362	355	
24	363	366	370	369	364	364	363	360	363	359	357	357	358	358	357	351	347	350	357	361	360	359	357	359	360	
25	360	359	360	360	360	359	357	358	356	354	354	355	356	355	357	357	356	357	360	363	360	365	368	368	359	
26	366	365	364	365	361	357	350	346	338	338	352	341	329	337	348	356	356	360	362	369	375	377	372	372	356	
27	370	371	374	360	361	359	356	348	349	350	364	364	364	363	361	355	354	355	360	369	378	379	379	378	364	
28	375	368	369	371	368	365	364	362	354	355	360	360	361	362	360	354	350	350	355	360	366	369	366	366	362	
29	362	359	356	356	358	358	355	354	351	355	359	359	357	356	352	348	354	355	361	365	366	362	363	361	358	
30 Q	362	362	361	361	360	355	357	356	360	358	360	359	360	360	359	355	354	349	354	358	361	361	360	357	358	
31	354	357	358	358	360	356	356	355	355	349	352	355	355	355	354	350	347	354	358	360	360	362	358	356	355	
Mean	359	359	359	357	357	356	354	352	350	347	350	350	351	352	352	349	349	353	358	360	362	362	360	360	355	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt

December 1946

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	10	45	342	16	36	308	34	18	00	31.8	14	55	16.5	15.3	19	59	362	16	26	340	22
2	21	57	337	15	10	305	32	18	10	27.6	13	15	16.6	11.0	23	43	370	16	04	343	27
3	11	03	334	02	10	291	43	00	05	28.5	02	13	08.3	20.2	01	19	376	10	43	334	42
4	20	33	353	17	17	313	40	07	17	24.9	04	02	18.3	06.6	03	17	360	07	33	341	19
5 D	21	33	347	16	18	293	54	17	25	29.6	09	04	15.0	14.6	21	35	366	08	55	340	26
6	03	32	340	15	50	300	40	22	57	26.5	13	45	15.4	11.1	04	54	379	15	54	347	32
7	02	53	342	16	15	279	63	18	07	30.1	02	51	12.4	17.7	18	45	369	03	14	331	38
8	02	47	343	04	04	295	48	02	58	27.0	04	20	11.1	15.9	03	55	373	15	55	335	38
9 Q	22	38	345	15	26	294	51	18	27	29.3	13	38	17.6	11.7	19	35	362	15	35	340	22
10 D	21	55	356	15	38	267	89	19	12	28.9	14	44	14.5	14.4	21	53	363	11	40	343	20
11 D	00	26	348	16	18	277	71	19	20	33.6	14	14	16.1	17.5	21	05	382	16	18	336	46
12 D	12	54	343	16	43	266	77	12	01	31.8	01	40	14.4	17.4	01	28	368	12	16	324	44
13	20	58	344	15	54	300	44	18	50	26.7	20	57	12.5	14.2	00	38	364	09	03	334	30
14 Q	23	03	342	16	10	280	62	19	15	26.7	14	10	16.6	10.1	21	19	359	16	01	340	19
15 Q	23	03	343	16	34	295	48	19	30	26.9	14	27	15.2	11.7	20	07	362	16	15	344	18
16	21	48	354	16	41	312	42	23	37	25.5	15	18	15.2	10.3	21	35	356	17	35	346	10
17	00	25	342	17	00	307	35	19	12	27.1	09	48	16.1	11.0	02	30	362	11	27	335	27
18	22	55	342	18	15	317	25	18	36	25.0	13	28	16.0	09.0	02	57	362	18	13	336	26
19 D	10	50	361	16	40	249	112	13	26	44.8	09	58	02.3	42.5	18	22	396	09	30	270	126
20 Q	23	50	322	16	50	285	37	15	03	25.5	14	40	18.2	07.3	18	58	368	05	30	358	10
21	11	09	347	16	32	287	60	09	23	33.2	10	37	13.0	20.2	21	28	368	10	16	272	96
22	05	58	348	16	50	290	58	13	41	27.2	02	05	16.2	11.0	02	33	367	09	28	332	35
23	05	13	348	17	10	293	55	20	05	26.7	11	15	16.7	10.0	20	05	367	15	38	343	24
24	04	12	338	16	50	297	41	04	22	27.9	14	15	18.0	09.9	02	25	371	16	45	345	26
25	21	22	373	16	30	302	71	22	08	34.6	13	47	18.2	16.4	22	54	373	22	08	349	24
26	12	07	339	16	45	287	52	12	06	32.8	09	43	16.0	16.8	20	51	378	12	18	325	53
27	22	18	336	18	50	285	51	03	50	37.8	07	33	14.9	22.9	23	13	384	09	04	331	53
28	14	12	334	01	18	291	43	08	30	29.3	01	38	15.6	13.7	01	20	378	16	50	349	29
29	02	42	346	18	30	302	44	08	22	28.0	14	27	17.4	10.6	20	45	366	15	24	346	20
30 Q	23	20	340	17	32	296	44	19	05	27.1	15	33	16.7	10.4	00	32	363	17	25	348	15
31	12	05	343	16	35	309	34	19	47	27.2	11	40	18.8	08.4	19	45	362	16	23	344	18
Mean			344			292	52			29.3			15.1	14.2			369			336	33
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 U. T.	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	
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to			
Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																										
Season	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																										

HORIZONTAL INTENSITY (gammas) (All Days)

Table 49 Agincourt 1946

January	+3	+1	-1	-3	-3	+1	+2	+2	+1	+6	+8	+9	+8	+3	-3	-17	-22	-19	-11	-3	+6	+9	+6	+6																								
February	+13	+13	+7	+4	+1	+2	+1	-14	-11	-1	-7	-10	-2	-8	-16	-17	-17	-16	-10	+2	+11	+17	+29	+29																								
March	+39	+31	+18	0	+1	-2	-3	-6	-23	-12	-15	-16	-19	-32	-39	-39	-31	-12	+4	+18	+34	+39	+34	+30																								
April	+10	+16	+3	+2	+4	-1	-3	-10	-15	-12	-15	-12	-13	-24	-30	-34	-24	-10	+3	+20	+33	+38	+37	+31																								
May	+12	+10	+4	+2	-1	-10	-24	-30	-15	-2	-4	-5	-10	-18	-25	-26	-17	0	+21	+32	+35	+30	+26	+18																								
June	+12	+6	0	+2	-1	-4	0	-1	-5	-6	-5	-6	-9	-18	-29	-31	-25	-8	+12	+24	+31	+28	+21	+15																								
July	+31	+29	+22	+9	+2	-11	-22	-7	-7	-4	-6	-9	-14	-22	-27	-33	-33	-22	-5	+8	+31	+32	+32	+32																								
August	+12	+10	+9	+7	+1	+3	+5	+6	+1	0	-4	-7	-13	-28	-38	-37	-28	-13	+6	+21	+25	+20	+15																									
September	+37	+26	+19	+11	+7	-15	-54	-40	-26	-5	-7	-12	-13	-26	-38	-36	-21	-3	+19	+36	+39	+41	+36	+32																								
October	+11	+11	+10	+5	+1	+1	+2	+2	0	+3	+11	+9	0	-13	-22	-24	-22	-16	-8	+1	+7	+10	+12	+9																								
November	+8	+9	+6	+4	+3	+3	+4	+2	+6	+7	+8	+12	+6	-8	-18	-23	-25	-20	-11	-3	+5	+9	+10	+10																								
December	+8	+5	+3	+2	+1	+2	+1	+3	+3	+5	+8	+9	+7	+1	-7	-18	-23	-20	-13	-5	+3	+9	+9	+9																								
Year	+16.3	+13.9	+8.3	+3.7	+1.3	-2.6	-7.6	-7.8	-7.6	-1.8	-2.3	-3.2	-5.7	-16.1	-24.3	-27.9	-24.0	-13.3	+0.6	+12.6	+21.7	+24.7	+22.7	+19.7																								
Winter	+8.0	+7.0	+3.8	+1.8	+0.5	+2.0	+2.0	-1.8	-0.2	+4.2	+4.2	+5.0	+5.8	-3.0	-11.0	-18.8	-21.8	-18.8	-11.2	-2.2	+6.2	+11.0	+13.5	+13.5																								
Equinox	+24.2	+21.0	+12.5	+4.5	+3.2	-4.2	-14.5	-13.5	-16.0	-6.5	-6.5	-7.8	-11.2	-23.8	-32.2	-33.2	-24.5	-10.2	+4.5	+18.8	+28.2	+34.5	+29.8	+25.5																								
Summer	+16.8	+13.8	+8.8	+5.0	+0.2	-5.5	-10.2	-8.0	-6.5	-3.0	-4.8	-6.8	-11.5	-21.5	-29.8	-31.8	-25.8	-10.8	+8.5	+21.2	+30.5	+28.5	+24.8	+20.0																								

DECLINATION (minutes) (All Days)

Table 50 Agincourt 1946

January	+1.3	+2.0	+3.3	+2.3	+1.9	+1.4	+0.1	+0.2	-0.3	+0.5	0.0	-1.2	+0.9	+2.7	+2.8	+0.9	-2.0	-3.8	-4.6	-3.9	-3.0	-1.5	0.0	0.0																								
February	+1.2	+2.2	+2.9	+3.0	+1.9	+1.5	+0.4	-2.4	-2.9	-1.6	-3.6	-1.9	+2.1	+2.9	+3.1	+2.1	+0.2	-2.2	-3.5	-3.2	-1.7	-1.0	-0.2	+0.4																								
March	+1.2	+2.2	+3.3	+1.5	+2.6	+1.0	+0.7	+1.8	+0.6	+2.2	-0.2	-0.4	+1.0	+3.6	+2.9	+0.1	-3.1	-4.9	-5.7	-5.3	-3.1	-1.8	-0.6	+0.3																								
April	+0.5	+1.2	+0.7	+0.2	+1.3	+1.5	+2.1	+2.3	+2.4	+1.2	+1.8	+3.4	+4.2	+4.1	+1.9	-1.3	-4.2	-5.7	-6.4	-5.3	-3.1	-1.9	-1.1	-0.6																								
May	+0.4	+1.1	+2.1	+1.6	+2.0	-0.1	+0.1	+0.4	+0.4	+2.8	+4.7	+6.7	+6.9	+4.8	+2.1	-2.4	-5.8	-7.3	-6.8	-5.8	-4.1	-2.2	-0.7	+0.2																								
June	-0.2	+0.3	+0.4	+0.1	+1.2	+1.8	+1.0	-0.3	-0.3	+0.8	+3.4	+6.5	+7.2	+6.1	+3.4	+0.1	-3.6	-6.2	-6.4	-5.5	-4.4	-2.9	-2.1	-1.1																								
July	+0.4	+0.9	+0.1	+0.2	-1.1	-1.8	-1.2	-0.5	-0.1	+1.5	+4.2	+6.5	+8.0	+7.5	+4.5	+0.7	-3.8	-6.5	-7.2	-5.7	-5.4	-2.6	-0.7	+1.3																								
August	+0.4	+0.3	+0.1	+0.5	+0.5	-0.3	+0.5	+0.4	+0.4	+2.4	+4.2	+7.5	+9.4	+8.3	+4.5	-1.6	-6.0	-8.9	-9.0	-7.6	-5.0	-2.0	-0.1	+0.2																								
September	+2.1	+2.7	+0.9	+1.6	+2.0	+0.8	-0.8	0.0	+1.2	+5.0	+2.5	+4.0	+3.4	+1.4	+0.2	-1.5	-4.0	-5.9	-6.0	-4.6	-3.7	-1.8	-0.7	+0.5																								
October	-0.2	+0.5	+0.5	+0.6	+0.6	+1.5	+1.9	+2.2	+2.5	+2.0	+2.5	+2.9	+4.0	+3.8	+1.8	-1.0	-3.6	-4.9	-5.3	-4.7	-3.4	-2.4	-1.4	-0.4																								
November	0.0	+0.7	+1.6	+1.9	+1.1	+0.4	+0.9	+1.1	+1.4	+2.2	+2.2	+2.3	+2.9	+3.7	+2.9	+0.8	-2.1	-4.3	-5.4	-4.9	-3.8	-2.8	-1.8	-0.8																								
December	-0.1	+0.8	+1.2	+1.1	+1.3	+1.2	+1.0	+0.7	+0.5	+1.5	+2.2	+1.6	+1.2	+1.8	+2.8	+1.9	-0.6	-2.9	-4.4	-4.5	-3.7	-2.9	-1.8	-0.8																								
Year	+0.6	+1.2	+1.4	+1.2	+1.3	+0.7	+0.6	+0.5	+0.5	+1.7	+2.0	+3.2	+4.3	+4.2	+2.7	-0.1	-3.2	-5.3	-5.9	-5.1	-3.7	-2.2	-0.9	-0.1																								
Winter	+0.6	+1.4	+2.2	+2.1	+1.6	+1.1	+0.6	-0.1	-0.3	+0.6	+0.2	+0.2	+1.8	+2.8	+2.9	+1.4	-1.1	-3.3	-4.5	-4.1	-3.0	-2.0	-1.0	-0.3																								
Equinox	+0.9	+1.6	+1.4	+1.0	+1.6	+1.2	+1.0	+1.6	+1.7	+2.6	+1.6	+2.5	+3.2	+3.2	+1.7	-0.9	-3.8	-5.4	-5.8	-5.0	-3.3	-2.0	-1.0	0.0																								
Summer	+0.2	+0.6	+0.7	+0.6	+0.6	-0.1	+0.1	0.0	+0.1	+1.9	+4.1	+6.8	+7.9	+6.7	+3.6	-0.8	-4.8	-7.2	-7.4	-6.2	-4.7	-2.4	-0.9	+0.2																								

VERTICAL INTENSITY (gammas) (All Days)

Table 51 Agincourt 1946

January	+8	+7	+6	+3	+3	-4	-6	-9	-9	-8	-6	-10	-9	-5	-7	-8	-3	+2	+6	+10	+10	+8	+8	+8																								
February	+10	+7	+6	+3	-2	-1	-5	-16	-23	-25	-25	-18	-3	-1	-2	-2	+1	+5	+8	+12	+16	+18	+21	+14																								
March	+26	+12	-4	-1	-7	-8	-20	-21	-41	-28	-32	-26	-10	-5	+2	+3	+8	+12	+16	+19	+21	+22	+25	+29																								
April	+12	+8	+2	+5	0	-6	-14	-18	-24	-28	-27	-15	-13	-11	-7	-4	+1	+9	+16	+26	+25	+23	+19	+12																								
May	+19	+13	+5	-1	-12	-10	-29	-42	-31	-13	-7	-4	-5	-5	-6	-5	-1	+5	+13	+19	+23	+24	+25	+22																								
June	+18	+10	+1	-3	-7	-13	-10	-16	-18	-14	-11	-9	-9	-9	-15	-9	-5	+1	+7	+14	+20	+24	+23	+20																								
July	+20	-3	-4	-8	-14	-21	-21	-15	-14	-9	-9	-8	-10	-8	-7	-7	-4	0	+7	+20	+23	+26	+28	+28																								
August	+8	+6	0	0	-10	-15	-11	-12	-13	-9	-6	-5	-2	-3	-4	-5	-4	-1	+3	+10	+17	+19	+15	+9																								
September	+32	+22	+5	-10	-11	-31	-47	-54	-43	-36	-28	-17	-18	-15	-5	+3	+15	+21	+32	+44	+35	+35	+31	+39																								
October	+12	+10	+8	+2	-3	-11	-12	-11	-16	-15	-7	-3	-1	-3	-3	-5	-4	0	+4	+7	+8	+10	+13	+13																								
November	+8	+7	+6	+5	0	-1	-4	-7	-9	-11	-11	-8	-5	-4	-4	-5	-3	+2	+5	+8	+9	+10	+9	+8																								
December	+4	+4	+4	+2	+2	+1	-1	-3	-5	-8	-5	-5	-4	-3	-3	-6	-6	-2	+3	+5	+7	+7	+5	+5																								
Year	+14.6	+8.6	+2.9	-0.2	-5.1	-10.0	-15.0	-18.7	-20.5	-17.0	-14.5	-10.7	-7.4	-6.0	-5.1	-4.2	-0.4	+4.5	+10.0	+16.2	+17.8	+18.8	+18.5	+16.8																								
Winter	+7.5	+6.2	+5.5	+3.2	+0.8	-1.2	-4.0	-8.8	-11.5	-13.0	-11.8	-10.2	-5.2	-3.2	-4.0	-5.2	-2.8	+1.8	+5.5	+8.8	+10.5	+10.8	+10.8	+8.8																								
Equinox	+20.5	+13.0	+2.8	-1.0	-5.1	-14.0	-23.2	-26.0	-31.0	-26.8	-23.5	-15.2	-10.5	-8.5	-3.2	-0.8	+5.0	+10.5	+17.0	+24.0	+22.2	+22.5	+22.0	+21.8																								
Summer	+16.2	+6.5	+0.5	-3.0	-11.0	-15.0	-17.8	-21.2	-19.0	-11.2	-8.2	-6.5	-6.5	-6.5	-8.0	-6.5	-3.5	+1.2	+7.5	+15.8	+20.8	+23.2	+22.5	+19.5																								

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

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
HORIZONTAL INTENSITY (gammas) (Quiet Days)																								
Table 52 Agincourt 1946																								
January	+6	+5	+3	+1	+2	+3	+4	+4	+6	+4	+7	+6	+5	-1	-10	-21	-23	-18	-10	-4	+5	+10	+9	+8
February	+6	+5	+6	+6	+5	+5	+6	+7	+7	+6	+5	+6	+3	-4	-11	-16	-18	-22	-18	-8	-1	+5	+7	+7
March	+12	+11	+11	+9	+9	+10	+9	+9	+8	+8	+6	+4	-2	-12	-23	-30	-32	-26	-16	-1	+6	+8	+9	+9
April	+3	+5	+5	+5	+4	+2	+1	+4	+6	+7	+5	+3	-4	-15	-23	-27	-18	-9	-1	+7	+10	+12	+11	+5
May	+5	+5	+3	+2	+3	+2	+2	+3	-1	-2	-1	+1	-6	-18	-30	-31	-18	-6	+8	+19	+24	+18	+10	+8
June	+2	+5	+5	+5	+7	+6	+7	+6	+1	0	+2	0	-6	-14	-24	-28	-21	-11	+1	+9	+17	+11	+12	+8
July	+13	+8	+8	+5	+5	+4	+4	+4	+3	+5	+4	+3	-4	-12	-20	-32	-33	-23	-9	+1	+11	+18	+18	+18
August	+13	+13	+13	+11	+10	+10	+8	+8	+6	+4	+2	-4	-15	-30	-41	-45	-34	-14	+6	+16	+18	+18	+16	+14
September	+7	+7	+10	+11	+11	+10	+11	+12	+9	+10	+9	+6	-3	-17	-32	-40	-31	-20	-8	+2	+8	+8	+10	+9
October	+8	+11	+12	+11	+8	+6	+5	+3	+6	+8	+8	+5	-2	-13	-23	-28	-26	-21	-12	-3	+6	+8	+13	+11
November	+8	+6	+6	+4	+5	+5	+7	+6	+7	+8	+10	+9	+6	-4	-16	-24	-26	-23	-14	-6	+2	+6	+8	+8
December	+9	+8	+7	+7	+6	+8	+7	+8	+7	+7	+8	+7	+6	0	-11	-24	-32	-28	-19	-8	+1	+7	+10	+10
Year	+7.7	+7.4	+7.4	+6.4	+6.2	+5.9	+5.9	+6.3	+5.4	+5.4	+5.4	+3.8	-1.8	-11.7	-22.0	-28.8	-26.0	-18.4	-7.7	+2.0	+8.9	+10.8	+11.1	+9.6
Winter	+7.2	+6.0	+5.5	+4.5	+4.5	+5.2	+6.0	+6.8	+6.8	+6.2	+7.5	+7.0	+5.0	-2.2	-12.0	-21.2	-24.8	-22.8	-15.2	-6.5	+1.8	+7.0	+8.5	+8.2
Equinox	+7.5	+8.5	+9.5	+9.0	+8.0	+7.0	+6.5	+7.0	+7.2	+8.2	+7.0	+4.5	-2.8	-14.2	-25.2	-31.2	-26.8	-19.0	-9.2	+1.2	+7.5	+9.0	+10.8	+8.5
Summer	+8.2	+7.8	+7.2	+5.8	+6.2	+5.5	+5.2	+5.2	+2.2	+1.8	+1.8	0.0	-7.8	-18.5	-28.8	-34.0	-26.5	-13.5	+1.5	+11.2	+17.5	+16.2	+14.0	+12.0
DECLINATION (minutes) (Quiet Days)																								
Table 53 Agincourt 1946																								
January	+0.5	+1.4	+1.5	+1.2	+0.8	+0.6	+0.2	-0.1	+0.2	+0.2	+0.5	+1.1	+1.7	+3.6	+3.9	+1.1	-1.6	-3.6	-4.1	-3.8	-2.8	-1.5	-0.7	-0.4
February	-0.4	+0.3	+1.0	+0.6	+0.7	+0.2	+0.5	+0.4	+0.1	+0.2	+1.5	+1.7	+3.1	+3.3	+3.6	+2.4	+0.1	-2.7	-5.3	-4.2	-3.1	-2.0	-1.0	-0.9
March	-0.2	+0.1	0.0	+0.1	+0.2	+0.2	0.0	+0.8	+1.4	+1.2	+1.8	+2.9	+4.5	+5.4	+3.6	+0.9	-2.1	-4.8	-6.0	-5.1	-3.0	-1.2	-0.5	-0.3
April	-0.3	+1.0	+0.2	0.0	+0.2	+1.2	+2.2	+1.8	+1.6	+1.9	+2.8	+4.1	+5.6	+5.9	+4.2	+0.7	-3.4	-5.9	-6.8	-6.7	-5.3	-3.4	-1.3	-0.3
May	+0.1	+0.2	+0.5	0.0	-0.4	-0.2	-0.8	-0.1	+1.1	+2.2	+5.2	+7.4	+8.4	+6.6	+3.2	-1.5	-5.5	-7.7	-7.3	-6.0	-4.0	-1.8	-0.1	+0.4
June	-0.6	-0.5	+0.8	+0.1	+0.1	-0.4	+0.4	-0.5	+0.8	+2.0	+4.4	+7.1	+8.0	+7.2	+4.6	+0.8	-2.7	-5.4	-6.4	-6.5	-5.3	-4.4	-2.5	-1.1
July	0.0	-0.8	-1.1	-1.4	-1.3	-1.2	-1.0	-0.8	-0.1	+1.2	+3.3	+5.7	+7.5	+8.5	+5.5	+2.4	-2.5	-4.2	-5.2	-5.8	-5.0	-2.8	-1.0	+0.1
August	-0.4	-0.9	-0.8	-0.1	-0.5	-0.2	+0.4	+1.3	+1.5	+2.3	+4.2	+8.0	+9.5	+7.9	+3.8	-2.3	-6.9	-8.6	-8.0	-6.0	-3.4	-0.9	+0.1	+0.2
September	0.0	-0.2	+0.2	+1.8	+0.7	+1.5	+1.0	+1.2	+1.5	+1.8	+2.5	+4.1	+6.7	+6.7	+4.3	0.0	-4.7	-7.4	-8.1	-6.2	-4.0	-2.3	-1.0	-0.1
October	-0.5	-1.3	-1.3	-0.8	-0.4	+0.3	+1.4	+1.6	+1.1	+1.6	+1.6	+2.7	+4.4	+5.6	+4.4	+1.8	-1.2	-3.4	-4.4	-4.5	-3.4	-2.4	-1.8	-1.1
November	-0.1	+0.5	+0.4	+0.4	+0.4	+0.1	+0.2	-0.2	+0.5	+0.9	+1.5	+2.2	+2.5	+3.6	+4.0	+2.4	-0.9	-3.2	-4.5	-4.2	-2.9	-2.1	-1.0	-0.6
December	-0.1	0.0	+0.4	+0.7	+0.7	0.0	0.0	+0.1	+0.4	+1.2	+1.3	+1.4	+2.0	+3.2	+4.2	+3.4	+0.7	-2.1	-4.3	-4.6	-3.8	-2.6	-1.5	-0.6
Year	-0.2	0.0	+0.2	+0.2	+0.1	+0.2	+0.4	+0.5	+0.8	+1.4	+2.6	+4.0	+5.3	+5.6	+4.1	+1.0	-2.6	-4.9	-5.9	-5.3	-3.8	-2.3	-1.0	-0.4
Winter	0.0	+0.6	+0.8	+0.7	+0.6	+0.2	+0.2	0.0	+0.3	+0.6	+1.2	+1.6	+2.3	+3.4	+3.9	+2.3	-0.4	-2.9	-4.6	-4.2	-3.2	-2.0	-1.0	-0.6
Equinox	-0.2	-0.1	-0.2	+0.3	+0.2	+0.8	+1.2	+1.4	+1.4	+1.6	+2.2	+3.4	+5.3	+5.9	+4.1	+0.8	-2.8	-5.4	-6.3	-5.6	-3.9	-2.3	-1.2	-0.4
Summer	-0.2	-0.5	-0.2	-0.4	-0.5	-0.5	-0.2	0.0	+0.8	+1.9	+4.3	+7.0	+8.4	+7.6	+4.3	-0.2	-4.4	-6.5	-6.7	-6.1	-4.4	-2.5	-0.9	-0.1
VERTICAL INTENSITY (gammas) (Quiet Days)																								
Table 54 Agincourt 1946																								
January	+2	+1	0	-1	-1	0	0	-1	-1	-2	-2	-1	0	0	-5	-7	-2	+2	+3	+4	+5	+3	+1	+2
February	+2	+1	0	0	-1	-1	0	-1	-2	-5	-4	-1	+1	0	-3	-4	-4	-1	+1	+3	+4	+5	+4	+4
March	+1	-2	-3	-4	-4	-5	-5	-4	-4	-4	-5	-2	-1	-1	-1	-1	+3	+7	+8	+9	+7	+7	+2	+1
April	+2	0	-2	-2	-2	-4	-5	-4	-4	-3	-1	0	0	-1	-4	-5	-3	+2	+5	+7	+6	+7	+5	+5
May	+8	+6	+3	+1	-1	-2	-3	-4	-2	+1	+2	+1	0	-4	-8	-10	-8	-7	-6	0	+6	+9	+10	+10
June	+4	+1	-1	-2	0	-2	-4	-9	-8	0	+3	+3	+1	-1	-4	-6	-3	-4	-1	+2	+7	+8	+8	+7
July	+6	+1	-1	-2	-4	-5	-4	-4	-1	+1	+2	-4	-8	-8	-6	-5	-3	-3	+3	+8	+10	+11	+9	+8
August	+1	-1	-1	-2	-2	-1	-2	-2	-1	-1	+1	+2	-1	-3	-5	-6	-4	-1	+2	+8	+10	+5	+2	+1
September	+5	+5	+2	+4	-6	-3	-2	-5	-5	-3	0	0	-2	-1	-5	-5	-3	+1	+6	+8	+7	+5	+6	+6
October	+2	+1	+1	-1	0	-5	0	+1	+1	+1	+1	+3	+2	-1	-5	-8	-6	-4	-2	+2	+5	+4	+3	+3
November	0	0	+1	0	-1	-1	-2	-4	-4	-3	-2	-3	-1	0	-1	-4	-3	0	+5	+7	+6	+5	+3	+2
December	0	0	+1	0	0	-2	-1	-3	-1	-1	-1	-1	0	-1	0	-5	-5	-2	+3	+3	+5	+5	+3	+1
Year	+2.8	+1.1	0.0	-1.2	-1.8	-2.2	-2.8	-3.4	-2.7	-1.6	-0.4	-0.2	-0.6	-1.8	-3.6	-5.5	-3.6	-1.2	+1.8	+4.9	+6.6	+6.3	+4.6	+4.2
Winter	+1.0	+0.5	+0.5	-0.2	-0.8	-1.0	-0.8	-2.2	-2.0	-2.8	-2.2	-1.5	0.0	-0.2	-2.2	-5.0	-3.5	-0.2	+3.0	+4.2	+5.0	+4.5	+2.8	+2.2
Equinox	+2.5	+1.0	-0.5	-2.2	-2.8	-3.0	-4.2	-3.2	-3.0	-2.2	-1.0	+0.2	+0.2	-1.2	-2.8	-4.8	-2.8	+0.5	+3.0	+6.0	+6.5	+6.2	+3.8	+3.8
Summer	+4.8	+1.8	0.0	-1.2	-1.8	-2.5	-3.2	-4.8	-3.0	+0.2	+2.0	+0.5	-2.0	-4.0	-5.8	-6.8	-4.5	-3.8	-0.5	+4.5	+8.2	+8.2	+7.2	+6.5

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

Hour U. T.	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 1946

January	+5	0	-11	-13	-13	+2	+7	-1	-4	+14	+16	+17	+11	0	+10	-24	-27	-22	-11	+3	+14	+12	+6	+9
February	+44	+42	+17	+8	-9	-5	-18	-95	-75	-32	-64	-81	-2	-26	-42	-18	-5	-5	+5	+29	+43	+55	+114	+124
March	+130	+116	+69	-43	-32	-13	0	-40	-136	-82	-108	-108	-101	-136	-124	-84	-32	+38	+67	+75	+129	+201	+112	+102
April	+24	+75	+3	-14	+4	-15	-16	-67	-105	-83	-70	-72	-62	-74	-58	-54	-29	-4	+20	+67	+126	+133	+139	+132
May	+26	+19	+3	0	+4	-9	-57	-66	-67	-4	-18	-18	-24	-25	-26	-27	-23	-2	+47	+63	+63	+47	+56	+36
June	+14	+2	-8	-7	-8	-10	-5	-8	-23	-13	-9	-18	-10	-23	-57	-16	-33	+2	+37	+56	+63	+55	+28	+20
July	+115	+126	+83	+18	-16	-76	-142	-43	-18	-8	-19	-31	-29	-35	-44	-52	-57	-48	-23	-6	+72	+68	+70	+95
August	+23	+17	+11	+3	-32	-26	-6	+22	+5	-3	-22	-23	-17	-30	-34	-31	-31	-20	+8	+35	+46	+51	+28	+27
September	+135	+121	+87	+34	+6	-128	-342	-249	-168	-57	-60	-93	-55	-74	-76	-24	+47	+92	+127	+155	+136	+151	+118	+115
October	+20	+15	+17	+1	-12	-24	-12	-13	-21	-12	+15	+17	+4	-10	-8	-11	-15	-7	+1	+5	+14	+15	+13	+5
November	+11	+6	+8	+3	-1	+2	-2	-7	+5	0	+6	+21	+11	-7	-16	-17	-21	-23	-15	+4	+7	+12	+11	+9
December	+12	+8	+7	+7	+8	+9	+3	+3	0	+4	+13	+13	+6	0	-14	-33	-36	-24	-13	-5	+2	+10	+8	+11
Year	+46.6	+45.6	+23.8	-0.2	-8.4	-24.4	-49.2	-47.0	-50.6	-23.0	-26.7	-31.3	-22.3	-36.7	-40.8	-35.1	-21.8	-1.9	+20.8	+39.4	+59.6	+67.5	+58.6	+57.1
Winter	+18.0	+14.0	+5.2	+1.2	-3.8	+2.0	-2.5	-25.0	-18.5	-3.5	-7.2	-7.5	+6.5	-8.2	-15.5	-23.0	-22.2	-18.5	-8.5	+5.8	+16.5	+22.2	+34.8	+38.2
Equinox	+77.2	+81.8	+44.0	-5.5	-8.5	-45.0	-92.5	-92.2	-107.5	-58.5	-55.8	-64.0	-53.5	-73.5	-66.5	-43.2	-7.2	+29.8	+53.8	+75.5	+101.2	+125.0	+95.5	+88.5
Summer	+44.2	+41.0	+22.2	+3.5	-13.0	-30.2	-52.5	-23.8	-25.8	-7.0	-17.0	-22.5	-20.0	-28.2	-40.2	-39.0	-36.0	-17.0	+17.2	+37.0	+61.0	+55.2	+45.5	+44.5

DECLINATION (minutes) (Disturbed Days)

Table 56 Agincourt 1946

January	+3.7	+5.2	+9.0	+7.8	+4.7	+4.6	+1.8	+2.0	-2.2	+0.8	-1.3	-11.2	-2.9	-0.6	+0.8	-0.9	-4.0	-4.9	-6.0	-4.5	-3.8	-1.1	+2.4	+0.8
February	+7.4	+9.9	+9.6	+8.1	+4.9	+5.8	+1.4	-9.8	-9.5	-1.9	-16.8	-12.7	+1.9	+0.4	-3.9	-0.9	+0.8	-2.5	-3.1	-1.8	+1.3	+1.3	+3.8	+6.3
March	+7.2	+9.2	+11.4	+1.7	+6.5	+2.5	-2.0	+6.3	-3.8	+3.2	-9.1	-15.3	-16.8	-5.7	-4.0	-3.7	-4.1	+0.7	+0.3	-0.5	+3.8	+4.2	+2.3	+5.7
April	+2.4	+3.7	+1.4	+1.6	+5.1	+5.4	+5.7	+4.0	+2.9	-1.7	-2.8	-2.1	-4.3	-7.5	-9.9	-9.2	-5.2	-3.5	-2.9	+2.0	+7.6	+5.9	+2.2	-0.6
May	+0.6	+3.4	+5.9	+4.3	+1.9	-1.3	-2.2	0.0	-2.8	+3.3	+1.0	+6.8	+4.0	+0.7	-0.3	-5.6	-7.0	-7.1	-4.0	-2.7	-1.4	-0.3	+1.7	+1.1
June	-1.4	-0.5	-0.7	+0.2	+1.3	+0.4	+1.1	+3.4	-1.3	-0.3	+3.2	+4.4	+4.8	+4.3	+1.0	-2.0	-6.4	-6.8	-1.8	-0.4	-0.1	+0.9	-1.4	-2.1
July	+1.6	+3.0	-2.4	+2.0	-7.4	-10.6	-7.0	+0.4	+0.4	+2.9	+7.6	+9.4	+10.4	+8.9	+5.3	+0.4	-4.5	-6.0	-5.4	+0.6	-7.4	-4.0	-1.5	+3.3
August	+0.9	+2.4	+2.2	+2.9	+3.1	+0.1	-3.4	+0.7	+1.1	+4.6	+2.1	+8.0	+10.8	+8.0	+4.6	-2.5	-6.4	-11.8	-11.7	-9.5	-7.6	-2.9	-0.9	-0.2
September	+10.1	+11.7	+0.1	+3.8	+6.7	-3.2	-9.4	-10.7	-0.6	+16.6	+0.9	-1.4	-10.2	-17.0	-12.0	-5.9	-2.3	-0.4	+3.0	+5.3	+0.9	+5.3	+4.1	+4.6
October	+0.9	+4.3	+3.4	-1.1	+2.5	+6.6	+5.1	+3.5	+5.2	+3.7	+1.6	+2.5	+1.8	+0.2	-1.5	-1.4	-4.5	-6.1	-6.5	-6.3	-5.4	-5.4	-3.8	+0.6
November	+0.8	+1.9	+1.0	+2.6	+2.7	+2.1	+2.8	+4.5	+5.5	+5.9	+1.3	+2.0	+0.8	-1.2	-2.1	-4.1	-5.3	-6.2	-6.0	-4.6	-2.6	-1.2	-0.9	+0.2
December	+0.4	+1.8	+2.0	+1.7	+1.6	+1.7	+2.1	+3.4	+3.9	+4.5	+4.1	+2.0	-0.6	-0.7	+2.3	+0.2	-2.8	-4.5	-5.6	-6.7	-5.1	-3.6	-2.1	-0.2
Year	+2.9	+4.7	+3.6	+3.0	+2.8	+1.2	-0.3	+0.5	-0.1	+3.5	-0.7	-0.6	0.0	-0.8	-1.6	-3.0	-4.3	-4.9	-4.2	-2.4	-1.6	-0.1	+0.5	+1.6
Winter	+3.1	+4.7	+5.4	+5.0	+3.5	+3.6	+2.0	0.0	-0.6	+2.4	-3.2	-5.0	-0.2	-0.5	-0.7	-1.4	-2.8	-4.5	-5.2	-4.4	-2.6	-1.2	+0.8	+1.8
Equinox	+5.2	+7.2	+4.1	+1.5	+5.2	+2.8	-0.2	+0.8	+0.9	+5.4	-2.4	-4.1	-7.4	-7.5	-6.8	-5.0	-4.0	-2.3	-1.5	-0.1	+1.7	+2.5	+1.2	+2.6
Summer	+0.4	+2.1	+1.2	+2.4	-0.3	-2.8	-2.9	+0.8	-0.6	+2.6	+3.5	+7.2	+7.5	+5.5	+2.6	-2.4	-6.1	-7.9	-5.7	-3.0	-4.1	-1.6	-0.5	+0.5

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Agincourt 1946

January	+23	+25	+24	+12	+9	-21	-24	-36	-41	-33	-20	-43	-39	-16	-10	-10	+3	+12	+27	+35	+36	+32	+30	+26
February	+10	0	-1	+1	-9	+4	-11	-70	-75	-77	-90	-76	-14	-3	+2	+12	+27	+38	+42	+50	+63	+61	+81	+35
March	+64	+47	-5	+1	-26	-12	-52	-52	-167	-112	-153	-128	-28	-6	+41	+54	+65	+66	+71	+66	+71	+57	+66	+75
April	+18	+12	-7	+12	-6	-15	-37	-64	-89	-107	-117	-56	-51	-35	-12	+6	+34	+62	+78	+111	+100	+80	+62	+20
May	+42	+26	+17	0	-41	-44	-122	-113	-100	-25	-25	-8	-9	-5	+1	+6	+17	+36	+64	+65	+62	+54	+54	+49
June	+26	+14	-8	0	-4	-23	-21	-20	-35	-32	-29	-36	-36	-34	-29	-23	-4	+19	+37	+48	+56	+62	+45	+29
July	+52	-59	-21	-25	-29	-72	-72	-25	+2	-1	-6	-12	-13	-11	-10	-10	-11	+3	+14	+56	+57	+52	+66	+75
August	+24	+29	+7	+7	-43	-61	-21	-24	-25	-30	-32	-32	-7	-2	-2	0	+9	+20	+30	+47	+55	+32	+20	
September	+108	+69	+15	-48	-19	-117	-184	-215	-140	-109	-105	-72	-84	-64	-10	+41	+95	+110	+137	+150	+110	+125	+103	+105
October	+43	+40	+37	+7	-14	-40	-38	-26	-43	-42	-25	-12	-10	-10	-4	-6	0	+6	+6	+11	+16	+21	+44	+39
November	+17	+15	+15	+16	+8	+8	-5	-15	-18	-33	-50	-42	-24	-13	-10	0	+6	+14	+17	+18	+20	+21	+19	+19
December	+7	+7	+7	+6	+4	+1	0	-5	-13	-17	-11	-12	-13	-10	-9	-9	-4	+4	+11	+13	+13	+13	+10	+9
Year	+36.2	+18.8	+6.7	-0.9	-14.2	-32.7	-48.9	-55.4	-62.0	-51.5	-55.2	-44.1	-27.3	-17.4	-4.3	+4.9	+19.0	+31.6	+43.7	+54.4	+54.2	+52.8	+51.0	+41.8
Winter	+14.2	+11.8	+11.2	+8.8	+3.0	-2.0	-10.0	-31.5	-36.8	-40.0	-42.8	-43.2	-22.5	-10.5	-6.8	-1.8	+8.0	+17.0	+24.2	+29.0	+33.0	+31.8	+35.0	+22.2
Equinox	+58.2	+42.0	+10.0	-7.0	-16.5	-46.0	-77.8	-89.2	-109.8	-92.5	-100.0	-67.0	-43.2	-28.8	+3.8	+23.8	+48.5	+61.0	+73.0	+84.5	+74.2	+70.8	+68.8	+59.8
Summer	+36.0	+2.5	-1.2	-4.5	-29.2	-50.0	-59.0	-45.5	-39.5	-22.0	-23.0	-22.0	-16.2	-13.0	-10.0	-7.2	+0.5	+16.8	+33.8	+49.8	+55.5	+55.8	+49.2	+43.2