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DEPARTMENT OF MINES AND TECHNICAL SURVEYS
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RECORD OF OBSERVATIONS AT
AGINCOURT MAGNETIC OBSERVATORY
1942-1943-1944

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

Price 25 cents

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AGINCOURT MAGNETIC OBSERVATORY

Geographic Latitude $43^{\circ} 47'N$

Geographic Longitude $79^{\circ} 16'W$

Geomagnetic Latitude $55^{\circ}.0N$

Geomagnetic Longitude $347^{\circ}.0E$

Officer-in-Charge: W. E. Ross

Assistants: F. Furnell and

A. E. Evans

1942-1943-1944

Introduction

The magnetic work of Agincourt magnetic observatory was carried on under the general direction of W. E. W. Jackson of the Dominion Observatory, Ottawa, by W. E. Ross, F. Furnell and A. E. Evans.

F. Furnell, a veteran of World War I, retired on September 30th, 1943. He was responsible for the daily routine operations and maintenance and for twenty-three years carried out his duties with zeal.

A. E. Evans transferred to the observatory from the Meteorological Service of Canada on September 1st, 1943.

W. E. W. Jackson retired in October 1944 and the supervision of the magnetic observatories was delegated to R. G. Madill, Chief of the Division of Geomagnetism, Dominion Observatory.

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 three-year period were those of the la Cour normal set.

Scale coefficients for the la Cour normal set per millimeter of ordinate throughout the three-year interval were for D, $0'.91$ and for Z, 5.90γ . The H coefficient was

5.11γ until July 1, 1943, when it was altered to 5.15γ . Similarly, the Kew coefficients were for D, $1'.28$; for Z, 10.0γ except for the interval between July 20 and December 31, 1943, when it became 11.1γ ; and for H, 4.92γ to July 8, 1942, then 5.36γ to July 20, 1943, and finally 4.96γ for the remainder of the period under review.

The root mean square values of the observed minus adopted photographic base-line values in 1942 were for D, $\pm 0'.7$; for H, $\pm 5\gamma$; and for Z, $\pm 21\gamma$. In 1943 they were for D, $\pm 0'.7$; for H, $\pm 6\gamma$; and for Z, $\pm 23\gamma$. In 1944 the values were for D, $\pm 0'.8$; for H, $\pm 6\gamma$; and for Z, $\pm 21\gamma$.

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 1942, 1943, and 1944 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 ranges in extreme values recorded in 1942 were; for H, 967γ ; for D, $2^{\circ} 26'.8$; and for Z, 781γ . In 1943 they were; for H, 835γ ; for D, $2^{\circ} 18'.3$; and for Z, 948γ . In 1944 they were; for H, 1018γ ; for D, $2^{\circ} 41'.8$; and for Z, 810γ . Based on the yearly mean of all days the ranges for the three years indicate that the most disturbed year was 1943 and the least disturbed was 1944.

A list of yearly values from 1920 to 1944, inclusive, completes this section of the 1942-1943-1944 record.

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

Mean Values for Months and Year, Agincourt

Month	-D West	H	Z	X	-Y West	I North	F
	° ' ''	γ	γ	γ	γ	° ' ''	γ
1942							
January.....	7 31.7	15293	56464	15161	2004	74 50.7	58498
February.....	31.9	292	458	160	04	50.7	492
March.....	31.8	289	459	157	04	50.9	492
April.....	31.5	298	457	166	03	50.3	493
May.....	30.7	316	454	185	02	49.3	495
June.....	30.2	322	454	191	01	48.9	496
July.....	30.9	315	452	183	03	49.3	493
August.....	31.2	314	464	182	04	49.5	504
September.....	31.0	309	475	177	03	50.0	513
October.....	32.3	296	467	164	07	50.6	502
November.....	32.1	300	464	168	06	50.3	500
December.....	31.8	298	458	166	05	50.3	494
Year.....	7 31.4	15304	56460	15172	2004	74 50.1	58498
1943							
January.....	7 31.7	15302	56450	15170	2005	74 50.0	58487
February.....	31.0	310	451	178	03	49.6	490
March.....	30.9	306	456	175	02	49.9	494
April.....	30.8	303	461	172	01	50.1	498
May.....	30.4	315	465	184	01	49.5	505
June.....	29.9	326	468	195	00	48.9	511
July.....	30.0	322	471	191	00	49.2	513
August.....	30.8	309	474	178	02	50.0	512
September.....	31.4	305	472	173	04	50.1	509
October.....	31.4	302	465	170	03	50.2	502
November.....	30.6	303	454	172	00	50.0	491
December.....	29.8	302	447	171	1996	49.1	484
Year.....	7 30.7	15309	56461	15177	2001	74 49.7	58500
1944							
January.....	7 30.1	15308	56434	15177	1999	74 49.4	58473
February.....	30.0	309	423	178	98	49.2	463
March.....	30.6	302	415	171	2000	49.5	453
April.....	30.7	304	413	173	01	49.3	452
May.....	30.2	322	414	191	01	48.3	458
June.....	29.9	328	414	197	00	48.0	459
July.....	29.8	326	411	195	00	48.0	456
August.....	29.5	317	403	186	1997	48.4	446
September.....	30.0	316	387	185	99	48.2	430
October.....	30.0	311	390	180	98	48.6	432
November.....	29.3	318	386	187	96	48.1	430
December.....	29.6	306	381	175	96	48.7	422
Year.....	7 30.0	15314	56406	15183	1999	74 48.6	58448

Mean Annual Values, Agincourt

Year	-D West	H	Z	X	-Y West	I North	F
	° ' "	γ	γ	γ	γ	° ' "	γ
1920.....	6 45.4	15865	58166	15755	1867	74 44.6	60291
1921.....	50.6	839	065	726	87	44.5	185
1922.....	56.2	809	57961	694	1910	44.6	078
1923.....	7 00.9	784	849	666	28	44.3	59963
1924.....	05.8	752	733	631	46	44.3	843
1925.....	09.7	727	628	604	61	44.2	736
1926.....	13.4	692	529	569	73	44.6	630
1927.....	16.4	664	412	540	83	44.3	508
1928.....	20.3	628	315	500	96	44.9	407
1929.....	24.0	586	197	456	2007	45.4	282
1930.....	28.1	544	103	412	20	46.4	181
1931.....	31.9	520	010	386	34	46.3	086
1932.....	35.8	485	56924	349	47	46.9	58991
1933.....	37.7	453	837	316	51	47.4	900
1934.....	37.5	424	762	287	47	47.9	820
1935.....	37.1	391	704	255	41	48.9	759
1936.....	36.9	362	658	226	36	49.8	704
1937.....	35.9	333	602	198	27	50.5	643
1938.....	35.1	311	564	177	21	51.2	600
1939.....	33.8	292	525	158	13	51.7	557
1940.....	32.3	290	503	157	06	51.5	535
1941.....	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.....	7 30.0	15314	56406	15183	1999	74 48.6	58448

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

Table 1 Agincourt

H = 15,000 γ +

January 1942

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	302	302	300	300	301	299	298	298	299	305	308	305	302	298	293	288	287	298	302	308	311	310	311	306	301	
2	306	304	303	302	300	306	306	309	311	306	309	314	309	297	299	275	286	305	309	293	288	296	301	306	302	
3 D	302	307	297	292	288	265	270	263	264	270	272	280	285	287	270	287	285	288	288	289	290	293	290	291	284	
4 D	290	282	278	263	257	279	287	286	296	297	295	301	306	304	267	284	277	283	288	282	289	300	262	268	284	
5 D	279	270	263	315	275	279	281	279	270	265	288	292	296	288	284	270	266	267	261	265	276	287	287	277	278	
6	289	288	283	275	276	270	280	279	282	291	287	288	288	286	290	282	266	265	270	271	282	288	285	269	280	
7	273	283	282	275	284	304	290	290	288	288	288	286	286	290	286	279	278	277	279	276	286	293	294	293	285	
8	288	289	294	294	291	291	292	293	291	294	294	294	292	288	280	274	269	266	276	284	294	298	298	309	289	
9	302	292	290	284	292	297	293	291	296	293	291	291	290	287	280	264	263	274	285	296	305	304	306	301	290	
10	288	293	299	297	290	287	289	293	296	299	299	299	301	295	284	277	265	274	282	284	291	293	290	292	290	
11	287	283	292	291	292	288	289	291	290	299	299	300	296	298	289	275	264	266	271	282	288	294	298	296	288	
12	295	290	290	292	292	294	296	298	290	298	301	298	298	292	283	275	270	272	281	285	283	292	298	297	290	
13	294	293	298	295	295	295	294	288	292	296	300	297	294	294	285	272	259	262	269	282	295	301	302	303	290	
14	303	305	303	300	299	301	299	302	304	304	306	306	308	307	299	289	289	294	301	305	316	318	303	301	303	
15	304	309	306	306	301	302	308	292	296	293	298	301	301	299	296	310	304	301	295	292	296	301	300	299	301	
16	301	304	292	295	295	297	292	289	286	288	291	295	310	308	293	281	281	287	297	298	290	292	293	291	293	
17 D	280	271	285	290	292	276	265	241	259	240	303	299	292	287	281	268	277	288	299	309	311	310	310	310	285	
18 D	301	285	262	275	285	287	279	277	291	287	294	303	303	295	281	277	281	289	296	308	309	280	265	274	287	
19	270	280	295	285	285	277	277	277	285	289	293	293	296	287	272	267	271	284	289	293	299	302	301	292	286	
20	287	295	300	299	300	297	297	298	300	302	302	300	296	293	279	267	264	275	287	295	302	304	304	306	294	
21 Q	302	302	302	302	302	303	303	304	302	304	305	305	302	293	278	262	260	270	283	302	304	302	302	304	295	
22	303	304	298	393	282	295	297	301	302	308	308	308	307	293	290	280	269	271	284	297	308	301	296	286	292	
23	283	283	286	288	295	301	290	290	287	293	299	303	303	302	287	277	273	281	290	297	302	307	307	304	293	
24 Q	302	302	301	302	303	304	307	309	309	312	311	314	311	309	298	281	276	282	298	302	315	317	311	307	304	
25	307	308	309	310	308	308	308	309	312	311	304	312	311	305	296	280	273	277	290	296	307	309	306	302	303	
26 Q	304	305	302	302	296	298	297	300	300	299	299	301	302	299	293	286	282	282	289	295	299	302	307	307	298	
27	304	302	301	301	302	302	301	302	304	310	308	310	310	306	294	271	273	283	299	307	308	312	304	302	301	
28	299	301	299	302	297	295	300	291	293	297	297	302	302	289	291	280	278	282	296	305	300	304	304	305	296	
29	303	302	302	302	299	300	297	299	302	302	302	302	302	299	292	278	271	271	282	291	294	298	302	297	300	295
30	300	300	299	295	295	293	293	293	296	301	303	305	305	301	294	290	294	301	308	313	318	319	320	317	302	
31 Q	312	310	308	308	305	303	308	310	313	310	310	315	316	314	306	297	292	293	298	303	314	317	316	313	308	
Mean	295	295	294	294	293	293	293	292	294	295	299	301	301	297	287	278	276	282	289	294	300	302	299	298	293	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7° W + . . . ' .

January 1942

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	30.7	30.5	30.4	30.9	30.5	31.5	32.1	31.4	31.0	30.9	30.9	31.3	30.5	29.7	29.1	30.9	33.6	35.0	34.2	33.1	32.2	31.9	30.8	30.6	31.4	
2	30.5	30.7	30.9	31.0	30.0	31.5	31.9	33.2	30.9	28.7	29.7	30.5	29.9	29.9	29.4	31.8	37.0	40.3	38.8	37.6	38.5	38.2	38.6	36.6	33.1	
3 D	33.2	30.3	30.9	30.8	31.2	31.2	35.1	24.2	23.9	26.9	25.8	29.4	28.1	27.8	28.9	35.8	36.7	37.6	38.5	38.0	37.8	37.4	35.2	33.4	32.0	
4 D	32.7	30.9	28.4	28.6	27.2	27.9	29.6	29.6	31.4	30.9	30.7	33.4	32.9	29.4	31.2	33.7	35.8	36.0	36.8	40.2	39.4	46.4	39.0	34.5	33.2	
5 D	32.1	30.2	29.6	29.4	31.2	31.8	32.1	40.1	36.3	31.8	37.2	33.6	30.5	28.3	27.6	31.2	34.8	35.5	35.4	32.1	33.9	33.0	32.3	29.6	32.5	
6	30.4	30.7	30.1	28.8	26.0	30.2	32.3	31.6	32.2	32.0	33.8	33.9	31.7	29.3	27.2	29.7	33.1	35.2	34.4	32.2	33.0	34.0	33.1	29.8	31.5	
7	30.4	30.0	30.5	28.6	33.4	38.0	32.6	31.6	31.0	31.4	33.4	37.1	37.5	30.4	28.0	29.5	31.5	33.8	34.6	34.0	33.0	32.5	31.8	31.1	32.3	
8	30.5	28.9	29.9	30.9	31.0	31.6	32.1	31.9	31.2	30.7	31.2	31.1	30.4	29.1	27.7	28.0	31.3	34.2	35.7	35.1	34.1	32.8	31.5	30.0	31.3	
9	30.4	30.5	29.5	27.9	29.1	30.9	31.0	31.0	31.1	30.9	30.7	30.6	30.0	28.8	27.7	28.9	32.5	35.1	35.5	35.0	34.3	33.4	32.0	32.1	31.2	
10	32.2	30.6	30.1	30.0	29.0	28.2	30.8	30.6	30.3	31.2	32.0	32.4	31.5	29.8	30.4	31.8	33.7	37.7	37.1	35.9	34.0	33.0	32.0	31.0	31.9	
11	29.8	23.7	30.1	31.2	31.1	31.3	36.8	31.4	33.8	30.7	30.0	30.2	34.9	29.3	27.2	29.0	31.8	34.8	35.9	34.6	33.1	32.5	32.2	31.0	31.5	
12	30.7	30.0	30.1	29.5	30.9	31.9	31.7	32.0	33.4	35.7	32.9	32.1	29.7	27.1	27.0	29.8	31.9	33.9	36.7	36.6	36.0	32.8	31.6	30.9	31.9	
13	30.6	29.9	30.6	30.7	31.0	31.4	30.8	31.5	31.0	29.8	30.1	30.1	30.8	27.5	28.5	29.6	33.2	34.6	36.0	36.0	35.3	32.6	31.8	31.1	31.4	
14	30.5	29.6	29.0	29.9	30.5	30.7	31.1	31.1	30.8	30.7	30.7	30.1	28.9	28.1	28.2	30.3	31.3	32.5	34.1	34.1	34.0	33.5	33.8	31.1	31.1	
15	31.1	31.4	30.7	30.2	30.6	29.9	30.6	28.7	27.5	26.7	28.1	28.1	29.1	29.0	31.1	34.7	33.4	32.7	34.1	34.7	34.2	33.3	31.8	31.1	31.0	
16	30.4	32.5	31.6	30.8	31.4	31.4	30.3	29.6	29.2	28.9	29.9	28.0	25.3	29.6	32.3	37.1	37.1	39.2	39.2	38.1	40.4	34.4	31.6	30.8	32.4	
17 D	28.1	27.8	30.5	29.9	30.6	29.8	29.6	25.3	30.7	34.1	28.3	24.7	27.8	27.6	30.7	32.5	34.3	34.1	34.1	32.6	31.6	31.0	30.7	30.2	30.2	
18 D	30.6	32.0	25.1	32.5	35.6	34.9	33.1	31.6	33.7	29.5	33.1	30.1	29.4	30.7	31.3	32.1	33.7	36.2	36.2	35.1	35.1	34.4	32.5	32.8	32.5	
19	27.4	24.7	25.1	32.1	26.8	27.1	31.6	32.1	32.5	29.6	34.1	33.2	31.1	29.0	30.7	32.3	34.1	35.7	36.4	35.0	33.2	31.8	31.3	31.9	31.2	
20	28.0	28.5	32.5	32.3	32.5	33.2	32.4	31.7	32.3	31.6	31.6	32.2	29.6	27.5	28.1	30.5	33.7	35.3	35.5	35.0	33.4	32.1	30.7	31.3	31.8	
21 Q	31.5	31.4	31.7	32.0	32.3	32.3	32.1	31.8	31.2	30.6	30.1	29.9	29.9	27.3	28.0	32.1	35.3	37.0	37.9	37.3	36.0	33.5	32.2	31.4	32.2	
22	30.6	30.5	30.8	28.8	30.9	32.5	33.9	33.0	31.8	31.7	29.3	30.4	29.6	36.0	35.7	37.8	39.3	40.9	41.2	40.5	39.4	37.0	36.0	32.0	34.1	
23	31.1	29.3	29.6	31.1	33.4	36.2	30.6	32.1	29.6	30.1	27.1	27.2	26.6	25.3	28.7	32.9	35.2	37.2	37.3	36.0	34.3	32.3	31.6	31.1	31.5	
24 Q	31.2	30.8	30.6	31.3	31.7	31.9	31.6	31.5	31.3	30.8	31.4	30.1	29.0	27.0	26.9	30.1	32.8	34.6	35.4	35.2	34.1	32.5	32.8	32.1	31.5	
25	31.1	30.1	29.9	29.7	30.3	30.6	31.2	31.0	31.1	30.9	30.2	32.1	31.0	27.5	26.4	27.6	31.4	35.1	37.1	37.1	36.9	34.1	32.3	32.2	31.5	
26 Q	31.7	30.1	30.7	30.6	30.8	30.7	32.1	32.3	31.3	30.9	30.8	30.3	28.7	27.9	26.8	29.3	30.2	32.6	34.1	34.4	35.0	34.1	32.4	32.1	31.2	
27	31.4	30.7	30.6	30.6	30.7	30.9	31.4	31.4	31.9	33.8	29.8	29.9	28.9	26.8	26.2	28.2	32.6	35.2	36.0	36.0	35.2	34.6	34.8	35.2	31.8	
28	34.1	29.6	30.5	25.4	30.7	29.8	32.8	28.1	28.2	27.3	30.2	27.8	27.8	29.0	30.6	31.9	34.1	34.3	35.1	35.6	35.2	34.4	33.1	32.6	31.1	
29	31.7	30.7	30.7	30.8	30.8	31.1	30.6	31.1	31.4	31.3	31.1	30.8	30.2	28.3	27.1	29.1	31.4	34.8	35.5	35.9	36.6	36.9	34.1	34.2	32.0	
30	31.3	30.5	31.8	30.6	30.8	30.7	30.3	29.9	29.9	29.9	28.7	27.5	27.5	27.6	28.0	30.5	32.3	34.7	34.9	34.2	34.6	34.1	33.0	32.2	31.1	
31 Q	30.4	29.9	29.8	29.9	30.1	31.1	31.6	31.1	30.5	30.2	31.1	30.8	29.6	27.4	27.2	28.2	31.4	32.3	33.5	33.7	32.9	31.8	31.1	30.8	30.7	
Mean	30.8	29.9	30.0	30.1	30.7	31.3	31.8	31.0	31.0	30.6	30.7	30.6	29.9	28.6	28.8	31.2	33.6	35.4	36.0	35.5	35.1	34.1	32.8	31.9	31.7	

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 3 Agincourt

z = 56,000 γ +

January 1942

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	464	463	463	463	463	463	463	463	463	461	461	461	461	463	464	460	460	464	464	460	461	460	460	460	462	
2	460	460	460	460	460	461	459	455	450	453	456	459	459	460	459	453	451	454	459	464	470	473	479	482	461	
3 D	480	474	471	471	465	464	443	441	441	439	447	454	464	466	463	457	461	466	473	473	476	479	483	489	464	
4 D	491	495	488	499	503	496	483	478	477	470	468	467	466	459	457	467	465	466	474	481	484	533	543	509	484	
5 D	495	488	489	453	462	471	466	447	438	420	419	455	467	471	470	469	476	481	493	497	483	482	480	478	469	
6	477	473	474	475	472	470	469	469	464	464	462	469	471	470	468	463	464	466	477	477	480	477	479	483	472	
7	483	480	478	477	476	455	467	470	470	466	461	459	465	468	470	463	464	470	476	477	477	476	474	472	471	
8	472	472	471	470	470	469	468	469	469	469	469	469	469	469	468	463	464	468	474	477	475	473	472	471	470	
9	469	470	471	472	471	467	468	466	467	466	467	466	466	462	459	459	459	459	463	464	463	463	463	463	465	
10	469	469	463	461	460	459	459	457	459	459	459	458	459	459	458	457	461	465	466	468	473	473	472	471	463	
11	471	470	469	470	467	464	456	454	456	457	462	463	464	463	459	460	465	468	472	477	477	476	473	470	466	
12	470	469	470	466	467	468	467	464	464	457	453	459	465	466	466	464	467	469	471	476	477	478	473	471	467	
13	470	470	469	466	466	465	464	460	457	461	464	463	464	461	460	459	460	467	473	477	478	473	470	468	466	
14	466	466	464	464	464	464	464	464	462	463	462	462	462	462	454	450	450	453	455	459	460	460	459	460	462	460
15	460	460	457	457	459	457	452	455	453	447	453	449	450	446	443	443	444	447	453	460	463	464	461	463	454	
16	466	462	466	464	464	461	460	460	459	457	447	437	437	440	444	452	453	455	461	467	476	476	470	471	459	
17 D	473	475	473	470	467	463	448	407	353	335	353	415	444	453	454	453	453	455	459	460	457	459	457	456	441	
18 D	455	458	458	480	470	466	464	461	441	450	459	461	459	459	460	463	464	460	460	460	465	471	489	487	463	
19	488	474	462	463	434	410	429	446	451	446	456	462	466	460	462	465	467	467	465	464	465	464	464	465	458	
20	465	466	465	464	462	463	463	462	461	460	459	459	462	462	459	458	462	471	473	472	472	466	465	464	464	
21 Q	461	460	460	460	460	460	460	459	459	459	460	460	464	468	465	465	467	471	474	475	472	470	469	468	464	
22	467	465	465	464	465	464	467	468	466	465	462	465	464	466	460	459	459	463	471	477	477	478	483	486	468	
23	489	484	478	474	456	447	459	461	461	467	464	466	466	461	456	452	456	460	466	467	467	466	464	463	464	
24 Q	460	461	460	460	459	459	459	459	459	457	458	453	458	458	453	455	459	460	465	468	467	466	465	466	460	
25	466	465	465	465	464	463	463	463	463	462	460	459	461	463	462	457	455	462	467	469	470	468	465	465	463	
26 Q	466	469	469	470	470	470	469	467	464	463	463	463	463	463	458	458	461	463	465	468	468	468	468	466	466	
27	466	465	464	463	463	463	463	463	462	449	453	460	462	463	458	456	461	459	460	464	466	466	469	471	462	
28	475	474	476	478	473	469	450	446	461	458	455	458	462	461	456	455	459	460	464	470	470	469	467	466	464	
29	467	465	465	463	462	463	464	465	464	463	462	462	462	460	463	458	459	460	459	465	469	470	472	476	464	
30	473	469	473	470	468	466	466	467	465	463	460	461	459	455	452	447	449	452	455	455	456	458	458	458	460	
31 Q	458	456	454	453	453	453	453	453	452	452	452	452	453	453	446	448	454	456	460	463	465	463	461	460	455	
Mean	471	470	469	467	465	463	461	459	455	454	454	459	461	461	459	458	460	463	467	470	471	472	472	471	464	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt

January 1942

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	22 11	313	16 23	281	32	17 40	35.4	14 18	28.5	06.9	14 05	465	16 00	459	6
2	11 00	318	15 55	265	53	17 00	41.2	14 13	26.5	14.7	23 20	484	16 00	447	37
3 D	01 08	323	06 14	230	93	21 30	40.0	05 08	22.3	17.7	23 35	491	06 50	427	64
4 D	21 39	314	14 41	233	81	21 43	50.6	04 20	21.4	29.2	22 00	571	14 40	446	125
5 D	03 30	341	19 08	251	90	07 38	50.6	03 18	12.4	38.2	19 00	512	10 38	395	117
6	12 30	298	18 34	254	44	18 20	37.5	04 45	24.9	12.6	18 47	494	10 23	444	50
7	05 15	324	00 15	269	55	05 25	46.1	03 30	26.4	19.7	01 00	483	05 25	437	46
8	23 12	320	17 00	264	56	18 42	35.9	01 38	26.8	09.1	19 35	476	16 40	456	20
9	23 00	310	16 28	261	49	19 00	36.1	03 18	27.4	08.7	03 40	475	17 00	456	19
10	12 24	303	16 38	259	44	17 20	38.6	05 02	25.6	13.0	01 00	475	07 20	457	18
11	13 28	303	16 35	257	46	06 50	40.7	01 35	19.7	21.0	20 20	478	07 10	443	35
12	07 10	303	16 14	269	34	18 49	39.1	14 10	26.2	12.9	21 20	480	10 25	449	31
13	22 03	306	16 39	245	61	19 03	36.8	14 00	24.1	12.7	20 00	480	08 05	452	28
14	21 00	320	15 57	287	33	22 20	34.6	13 58	27.7	06.9	23 06	468	14 50	447	21
15	06 14	326	14 31	287	39	16 04	35.9	09 23	25.7	10.2	21 30	464	14 30	441	23
16	12 24	316	16 30	277	39	20 31	41.2	12 23	22.4	18.8	20 45	477	12 30	431	46
17 D	23 05	315	07 38	216	99	08 00	50.5	08 50	18.2	32.3	02 00	478	09 51	273	205
18 D	20 13	323	03 07	241	82	08 14	43.1	02 46	18.3	24.8	03 10	497	08 25	430	67
19	04 50	317	05 43	246	71	05 40	38.2	04 36	06.4	31.8	00 30	494	05 35	391	103
20	22 59	307	16 25	264	43	18 36	36.0	04 55	24.2	11.8	18 57	475	14 30	458	17
21 Q	11 00	308	16 00	258	50	18 16	38.0	14 04	26.6	11.4	19 00	476	08 55	456	20
22	20 38	315	16 30	265	50	17 56	42.0	04 05	26.4	15.6	23 55	487	14 30	453	34
23	22 00	312	16 43	271	41	05 00	41.1	13 30	25.0	16.1	00 55	489	05 38	439	50
24 Q	20 54	322	16 37	273	49	18 17	35.5	13 48	26.2	09.3	20 55	469	15 10	451	18
25	12 11	315	16 34	269	46	18 41	38.4	14 44	26.0	12.4	19 15	472	16 05	452	20
26 Q	00 46	310	17 00	279	31	20 03	35.2	14 15	26.1	09.1	05 00	473	15 17	455	18
27	09 06	314	15 58	267	47	09 09	37.8	13 51	25.0	12.8	23 59	473	09 35	440	33
28	03 25	323	16 00	273	50	06 30	38.1	03 22	09.3	28.8	03 10	505	07 03	431	74
29	21 21	305	15 58	268	37	21 43	37.5	14 30	25.8	11.7	23 10	476	15 20	456	20
30	22 48	323	15 45	289	34	20 00	35.3	13 56	26.2	09.1	02 10	475	16 09	446	29
31 Q	21 56	319	17 00	288	31	19 23	34.1	14 50	26.7	07.4	20 15	465	14 55	445	20
Mean		315		263	52		39.4		23.4	16.0		483		437	46
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 1942

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	313	313	312	309	309	310	311	313	318	323	323	324	322	318	308	300	298	300	303	308	307	311	315	311	312	
2	308	303	296	293	303	295	313	290	284	301	303	305	301	294	272	260	257	272	278	288	294	300	300	295	292	
3	293	292	298	303	297	297	302	296	292	297	299	299	295	285	278	274	276	279	287	295	297	303	303	303	293	
4	302	302	301	301	300	301	305	307	303	307	305	303	301	293	288	286	288	289	298	300	306	306	313	314	301	
5 D	313	311	309	304	293	283	279	274	285	289	278	306	318	299	284	264	267	277	265	286	303	293	300	301	291	
6 D	298	288	274	296	283	293	285	287	289	283	289	256	294	284	271	219	218	253	268	288	277	274	276	268	276	
7	282	267	269	281	283	287	287	287	292	292	283	297	294	282	276	274	276	284	292	299	303	305	296	300	287	
8 Q	297	297	294	297	297	298	301	298	297	298	297	296	292	282	270	264	273	283	289	295	303	303	302	294	292	
9 Q	293	293	293	291	292	293	294	294	295	289	294	293	291	286	277	271	273	279	286	292	299	305	309	306	291	
10	309	307	303	301	297	295	296	295	298	305	306	306	299	285	287	273	268	273	284	282	300	303	305	293	294	
11	296	294	299	297	294	289	296	286	285	289	292	289	288	293	292	289	286	286	295	287	294	293	287	293	291	
12 Q	294	294	293	289	297	297	296	295	297	298	299	299	296	294	293	286	287	291	297	304	309	309	309	308	297	
13	307	301	293	311	306	308	307	304	306	304	304	302	297	293	294	295	301	309	312	309	308	306	306	304	304	
14	304	305	304	304	302	304	304	306	306	304	309	304	302	296	293	295	304	307	311	314	310	314	300	286	304	
15	289	284	283	285	283	273	289	281	279	288	296	297	300	296	288	285	288	293	288	293	304	304	302	299	290	
16	295	297	303	298	304	298	293	284	299	295	293	304	299	289	287	294	303	307	311	311	311	304	290	304	299	
17	306	300	274	293	286	292	298	295	292	291	295	301	301	298	295	292	294	302	312	316	311	306	306	308	298	
18 Q	305	304	295	300	301	295	288	289	294	299	301	296	290	285	284	285	290	296	301	305	305	304	305	307	297	
19 Q	309	309	307	306	306	305	306	310	309	307	304	304	298	288	284	279	285	295	307	312	311	308	309	308	303	
20	309	307	305	305	320	307	304	293	293	295	297	290	286	283	270	264	271	280	290	306	309	309	305	304	296	
21	291	299	301	289	282	295	291	284	278	289	292	289	282	241	236	254	260	270	273	285	291	292	296	298	282	
22	296	293	288	288	285	282	283	287	290	291	292	293	291	290	289	283	283	290	295	297	298	299	301	297	291	
23 D	293	287	300	302	283	285	286	281	285	285	291	289	283	270	195	206	243	260	246	266	293	312	297	274	275	
24 D	275	246	272	269	270	278	287	246	214	266	291	289	282	279	271	271	271	275	289	293	301	305	280	283	275	
25	278	271	270	276	279	278	278	281	281	281	280	284	280	278	284	282	285	287	293	292	282	296	306	267	282	
26	289	292	296	287	285	280	282	288	290	292	291	291	287	286	287	289	291	295	295	292	292	296	293	294	290	
27	295	295	296	290	292	291	291	292	292	289	289	290	284	279	280	284	297	300	297	314	305	306	307	297	294	
28 D	291	291	294	282	289	286	287	283	292	291	294	298	265	243	193	235	236	268	282	281	285	289	288	293	277	
29																										
30																										
31																										
Mean	298	295	294	295	294	293	294	290	291	294	296	296	294	286	276	273	278	286	291	297	301	302	301	297	292	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt

D = 7° W + . . . '

February 1942

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	30.0	30.0	30.1	30.6	30.4	31.6	31.6	31.3	31.3	30.7	30.7	29.9	28.9	26.9	27.7	29.0	29.9	32.2	33.6	34.3	32.9	31.9	31.0	31.0	30.8
2	30.6	30.0	29.2	27.9	29.2	32.0	36.0	30.0	36.8	29.1	28.8	30.9	28.6	28.9	31.3	34.7	34.6	36.1	36.1	35.6	34.0	32.5	31.3	31.3	31.9
3	29.7	29.1	27.2	29.5	29.8	34.2	35.6	30.1	30.4	29.2	29.5	29.0	28.7	29.9	30.7	32.1	34.3	35.9	35.8	34.0	32.0	31.4	31.3	31.2	
4	30.8	30.5	30.6	31.0	30.9	31.3	31.3	32.0	31.5	31.0	38.9	28.9	28.8	27.0	27.3	30.3	30.7	32.2	34.0	34.3	33.1	32.3	32.0	31.6	31.0
5 D	31.3	30.8	30.6	30.9	29.8	27.9	28.8	27.4	25.6	23.1	28.6	40.9	32.8	34.2	33.4	36.0	37.9	37.1	37.8	35.7	35.1	32.7	30.9	30.4	32.0
6 D	30.0	31.6	32.4	32.2	30.7	32.5	30.9	31.3	32.4	29.8	35.3	50.6	38.1	32.2	30.7	40.8	49.5	47.7	43.5	43.3	37.7	36.0	35.0	30.4	36.1
7	30.6	27.7	25.4	31.4	31.1	34.0	35.0	33.8	33.1	32.1	34.3	34.1	31.3	31.0	32.0	34.0	34.9	36.1	36.3	35.3	33.6	32.0	31.7	31.7	32.6
8 Q	31.5	31.9	31.6	31.2	32.2	32.3	32.2	31.3	30.0	30.4	30.3	31.9	29.8	27.9	29.7	33.1	36.5	36.4	35.6	34.7	32.3	31.1	31.3	31.8	32.0
9 Q	31.3	30.7	31.1	31.3	31.4	31.3	31.3	31.2	30.0	30.0	26.6	26.6	27.7	28.6	29.2	33.4	35.1	35.7	36.1	35.1	33.6	32.0	31.3	31.2	31.3
10	31.3	30.7	30.6	30.7	30.7	30.6	30.2	30.4	29.2	27.7	37.0	37.6	37.4	39.9	30.4	33.0	35.0	36.7	36.1	36.3	36.2	35.1	33.8	32.8	33.3
11	33.4	30.6	32.8	31.4	31.0	30.5	29.2	27.7	27.5	28.0	28.6	28.9	29.6	29.7	30.6	33.1	36.8	38.8	39.8	39.4	36.0	35.1	35.6	32.8	32.4
12 Q	32.2	31.2	31.4	29.1	30.6	31.5	31.6	30.8	31.1	30.3	29.8	29.8	29.5	30.2	31.0	31.7	32.2	32.9	32.9	32.6	32.2	32.0	32.1	31.4	31.2
13	31.3	31.3	20.9	28.7	33.4	32.2	31.5	30.6	29.7	28.7	28.9	29.4	28.9	30.7	32.4	34.4	34.3	33.0	31.6	30.4	29.7	30.6	32.0	31.7	30.7
14	31.3	31.1	31.2	31.5	31.5	31.3	30.5	29.9	30.0	29.6	28.3	26.8	28.9	29.8	32.3	38.3	40.5	38.3	36.1	33.8	31.2	30.7	32.1	30.6	31.9
15	32.1	33.1	30.1	30.8	33.4	34.3	28.4	33.3	29.2	26.4	25.5	26.0	31.2	30.0	31.0	34.8	35.8	36.1	40.3	37.8	31.5	29.9	30.5	30.5	31.8
16	31.5	29.9	30.9	31.8	31.7	36.4	31.0	33.8	38.1	26.0	21.6	26.4	28.0	30.7	34.7	37.9	37.1	35.9	34.1	32.1	30.6	31.0	32.5	32.1	31.9
17	31.5	31.9	31.7	38.2	29.7	31.8	33.3	31.4	29.5	28.3	31.5	30.0	29.2	30.6	32.0	34.0	34.1	33.6	32.9	31.5	30.6	30.6	31.6	32.2	31.8
18 Q	31.6	31.5	28.7	31.6	30.9	30.9	31.5	31.4	30.5	29.1	28.2	28.6	29.1	30.6	32.9	34.6	35.0	35.0	33.3	32.1	30.6	30.5	31.4	31.8	31.3
19 Q	31.2	31.0	30.6	30.9	31.0	31.0	30.7	30.6	30.0	29.5	28.8	28.7	27.0	26.4	30.0	33.4	35.1	36.4	35.1	33.4	32.0	31.5	32.1	32.0	31.1
20	31.2	30.7	31.0	31.0	31.6	32.4	32.7	29.7	30.3	29.0	25.9	24.2	24.3	26.0	29.1	35.9	38.9	38.5	38.0	37.1	35.1	33.4	32.8	33.2	31.8
21	30.8	30.7	28.4	31.5	32.0	33.8	32.0	30.5	32.0	28.9	29.8	29.2	28.2	25.8	28.6	33.4	34.9	36.5	36.1	34.3	33.4	32.8	33.0	33.1	31.7
22	27.7	28.7	30.4	30.1	29.7	29.5	30.2	29.8	29.4	30.0	27.0	26.6	25.2	26.5	27.5	31.0	31.8	34.3	35.9	36.0	36.8	37.1	37.8	35.2	31.0
23 D	33.6	32.9	33.4	30.4	28.8	29.8	29.8	28.9	28.8	27.0	27.4	28.0	26.2	26.8	31.5	35.0	42.4	41.6	36.8	41.5	40.5	35.5	32.4	37.1	32.8
24 D	34.0	18.0	20.9	32.5	32.0	31.5	35.0	38.3	57.9	32.2	26.0	25.5	25.6	27.7	29.5	35.6	36.8	37.7	35.0	33.4	32.0	32.0	32.0	32.2	32.3
25	29.1	27.3	30.9	31.9	32.3	33.0	33.0	32.6	31.9	30.6	30.9	9.9	29.1	29.4	30.5	32.4	32.1	35.0	33.0	33.1	33.9	32.3	34.5	30.9	31.7
26	30.0	31.6	31.4	31.9	30.5	31.4	32.3	31.7	31.9	30.1	30.3	30.5	29.7	28.7	30.4	32.4	33.9	34.9	34.7	34.1	33.3	33.0	33.2	31.5	31.8
27	32.1	32.1	31.7	30.1	31.9	32.7	31.6	31.4	30.4	30.2	30.3	28.8	27.9	27.9	30.5	31.5	34.9	36.7	37.7	38.4	36.4	38.0	40.4	37.3	32.9
28 D	33.1	33.1	31.9	30.4	31.0	32.1	30.6	35.0	31.2	24.1	21.8	23.3	18.8	21.5	25.5	41.2	39.8	42.2	35.4	35.3	32.9	30.6	31.1	31.1	30.9
29																									
30																									
31																									
Mean	31.3	30.3	30.0	31.1	31.0	32.0	31.8	31.3	31.8	29.0	29.0	30.0	28.9	29.0	30.4	34.1	35.8	36.5	35.9	35.2	33.7	32.7	32.8	32.1	31.9

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 7 Agincourt

z = 56,000 γ +

February 1942

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	459	459	459	459	459	459	459	459	459	458	458	458	456	453	449	450	452	452	453	459	459	459	459	458	457	
2	459	459	463	464	459	458	440	423	430	406	435	448	458	455	453	459	463	459	460	468	468	464	463	463	453	
3	463	463	459	458	455	450	442	451	458	458	459	459	461	459	456	456	458	458	458	462	466	465	464	463	458	
4	463	462	460	459	459	459	461	458	456	458	455	458	463	462	458	456	456	456	458	459	460	459	459	458	459	
5 D	458	458	458	458	452	425	437	432	446	446	424	408	412	423	439	451	455	458	465	471	465	462	462	462	447	
6 D	460	460	469	434	466	469	464	458	448	432	417	396	420	429	438	448	462	469	477	489	495	499	501	492	458	
7	476	472	473	472	466	454	446	448	455	456	449	455	460	455	453	457	466	469	469	469	470	470	468	465	462	
8 Q	464	464	462	462	464	464	462	461	462	462	461	462	462	462	459	460	463	464	465	468	465	463	462	462	462	
9 Q	462	462	462	462	462	462	462	461	453	451	449	453	456	448	445	445	447	451	454	459	459	457	454	453	455	
10	454	452	452	452	452	453	452	452	449	446	448	447	449	447	439	435	439	448	457	459	463	462	462	462	451	
11	465	464	462	459	457	457	449	452	455	455	454	451	449	445	445	444	445	447	449	455	461	464	463	465	455	
12 Q	462	462	462	458	454	453	454	454	452	451	451	451	448	443	436	437	439	444	447	453	454	452	451	451	451	
13	453	451	445	441	447	449	451	451	451	451	449	448	448	451	451	448	449	453	457	458	457	454	452	454	451	
14	455	455	455	455	455	455	455	455	455	453	447	445	446	445	445	447	441	445	445	451	452	452	452	460	451	
15	474	475	468	459	454	454	425	452	460	465	457	452	442	435	436	440	444	451	453	459	458	458	454	454	454	
16	457	457	457	456	448	439	439	439	436	439	441	451	450	451	456	455	454	457	457	458	458	458	458	460	451	
17	461	459	464	451	458	465	468	469	465	461	458	453	457	458	459	461	459	462	463	464	464	461	458	459	461	
18 Q	458	458	459	459	456	452	459	464	464	463	460	459	458	457	457	461	462	467	466	466	464	461	458	457	460	
19 Q	459	459	460	460	459	458	458	458	458	457	457	456	457	454	451	447	446	455	457	458	460	457	456	455	457	
20	455	455	457	457	438	442	448	452	457	452	451	447	449	443	442	447	449	451	454	458	460	456	452	451	451	
21	464	458	461	470	481	470	460	451	441	454	457	457	458	448	451	453	461	465	466	468	468	466	465	466	461	
22	464	463	468	464	461	464	467	467	465	459	458	457	457	454	448	448	453	457	458	459	465	470	474	476	462	
23 D	480	483	480	468	471	469	462	462	463	462	463	460	460	457	449	447	449	460	486	517	556	614	608	575	488	
24 D	514	538	497	510	488	478	445	420	317	405	457	458	461	465	457	460	462	463	462	465	468	473	470	472	463	
25	475	476	480	478	471	471	462	463	463	461	462	463	463	464	462	461	459	462	464	468	475	476	477	498	469	
26	481	470	465	465	464	465	460	464	465	463	463	463	462	460	458	457	457	459	463	467	469	471	472	471	465	
27	469	468	467	468	468	468	467	465	463	462	461	462	462	455	451	448	448	449	454	463	471	468	474	492	464	
28 D	492	482	475	479	472	464	462	448	435	437	442	447	457	459	459	472	477	477	482	482	485	486	486	482	468	
29																										
30																										
31																										
Mean	466	465	464	462	461	458	454	453	449	451	451	451	452	451	450	451	454	457	461	465	468	470	469	469	458	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt

February 1942

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	12 45	326	17 17	291	35	19 22	35.0	13 17	24.9	10.1	05 10	460	14 25	446	14
2	06 20	320	16 15	243	77	08 45	40.4	09 45	22.5	17.9	19 45	470	09 25	391	79
3	21 12	306	16 05	272	34	05 54	38.1	02 01	21.8	16.3	21 10	467	16 20	436	31
4	22 57	320	17 10	283	37	19 03	35.0	14 06	25.9	09.1	13 00	463	10 20	453	10
5 D	12 24	322	18 45	254	68	11 02	47.0	09 55	20.7	26.3	19 01	479	11 30	396	83
6 D	03 14	334	16 10	204	130	11 36	55.2	03 00	25.1	30.1	22 47	507	11 16	381	126
7	21 06	310	14 38	269	41	11 02	36.9	01 58	20.0	16.9	00 01	481	06 35	442	39
8 Q	22 13	308	15 45	262	46	16 33	36.8	13 30	27.4	09.4	22 15	468	14 45	456	12
9 Q	22 02	313	16 08	267	46	18 10	36.6	11 02	25.6	11.0	04 30	464	14 15	442	22
10	20 30	310	17 08	258	52	17 05	37.8	14 04	27.0	10.8	20 26	469	16 00	432	37
11	02 03	308	19 38	279	29	19 35	40.8	01 48	27.0	13.8	23 55	469	17 15	442	27
12 Q	22 02	312	15 45	284	28	17 46	33.4	03 42	26.6	06.8	00 01	468	15 00	434	34
13	03 28	316	02 23	282	34	15 56	35.0	02 45	17.0	18.0	19 50	458	03 00	438	20
14	20 00	322	23 59	277	45	15 55	41.5	10 54	24.8	16.7	23 59	467	16 20	441	26
15	06 11	323	05 30	257	66	18 55	43.9	10 05	23.9	20.0	00 53	488	06 30	399	89
16	18 54	326	07 54	268	58	08 21	40.9	10 45	20.7	20.2	21 35	462	08 30	436	26
17	19 45	331	03 00	263	68	03 32	44.2	09 40	27.5	16.7	03 05	471	03 33	433	38
18 Q	23 46	309	15 00	281	28	16 58	35.2	02 37	25.6	09.6	18 20	468	05 12	448	20
19 Q	19 32	317	14 00	278	39	17 16	36.8	13 21	24.9	11.9	20 59	462	16 15	445	17
20	04 33	330	15 50	258	72	16 35	40.0	11 16	23.4	16.6	20 19	465	04 42	427	38
21	01 55	307	13 50	207	100	05 07	39.1	13 45	21.1	18.0	05 17	493	08 50	436	57
22	22 08	308	05 00	275	33	22 30	38.4	12 17	24.6	13.8	23 33	478	14 50	445	33
23 D	22 17	342	14 41	156	186	16 35	49.4	22 25	22.2	27.2	22 22	693	14 41	436	257
24 D	21 23	321	08 41	188	133	08 03	70.7	02 00	14.2	56.5	01 30	574	08 06	270	304
25	22 08	312	23 42	244	68	23 15	37.9	23 59	18.6	19.3	23 45	517	16 15	452	65
26	21 56	301	00 01	270	31	17 30	35.6	00 01	18.6	17.0	00 01	506	16 20	455	51
27	19 50	323	13 53	275	48	22 40	41.0	12 26	27.5	13.5	23 59	506	16 45	445	61
28 D	21 46	303	14 53	172	131	17 07	48.9	12 23	16.3	32.6	00 09	506	08 06	429	77
29															
30															
31															
Mean		317		254	63		41.1		23.0	18.1		488		428	60
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 1942

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	290	295	296	293	293	285	281	356	385	-256	-62	171	173	291	328	309	313	305	273	273	361	330	295	265	261	
2 D	243	245	287	291	280	277	265	260	250	255	267	236	218	213	214	228	226	243	264	274	277	278	283	285	257	
3 D	299	300	290	283	287	293	283	249	238	193	231	253	213	258	196	160	190	244	282	278	282	289	283	281	257	
4	290	295	294	290	282	280	274	260	269	268	265	279	274	264	259	262	264	257	279	296	289	301	292	283	278	
5 D	288	294	298	296	296	278	257	255	276	286	298	302	299	300	293	289	259	182	203	310	326	272	265	267	279	
6	272	263	274	254	229	215	259	262	246	243	267	279	287	279	277	270	272	272	279	289	295	303	313	312	271	
7	304	294	303	297	299	304	311	300	290	295	295	287	300	295	284	279	281	286	293	305	323	313	315	312	299	
8 D	298	283	294	282	282	272	272	259	264	267	266	291	290	279	270	258	248	252	264	287	312	318	298	289	279	
9	292	301	265	290	355	269	260	248	273	279	282	290	279	276	265	265	259	252	274	278	289	291	289	282	280	
10	286	292	285	285	278	278	292	294	297	297	295	292	295	292	283	270	281	273	295	314	311	314	313	315	293	
11	304	281	284	283	282	287	279	281	287	290	291	291	289	283	279	282	285	294	300	304	306	308	307	306	291	
12 Q	308	300	305	304	305	304	302	300	301	306	308	308	300	292	288	283	289	308	315	318	316	315	309	313	304	
13	280	264	281	245	262	279	289	291	274	279	298	293	274	290	292	290	290	284	281	294	305	309	297	310	286	
14	309	291	291	306	304	299	289	242	267	289	304	289	274	289	286	265	273	279	289	303	313	304	296	277	289	
15	295	309	309	308	303	300	299	308	303	302	305	298	287	262	280	288	290	282	278	302	305	308	305	305	297	
16 Q	303	305	306	305	305	305	303	311	305	305	308	307	302	289	279	267	263	269	284	299	309	315	310	308	299	
17	309	303	301	309	306	305	303	299	301	302	306	309	301	292	281	271	274	280	292	307	318	310	309	315	300	
18	306	308	309	307	308	309	310	310	311	320	320	310	305	291	281	270	267	279	290	311	315	315	307	310	303	
19	305	313	316	315	306	300	301	308	312	310	306	298	286	279	268	257	252	274	291	281	292	302	313	295	295	
20	295	253	273	262	268	282	286	279	277	295	301	301	290	279	269	260	256	267	284	301	305	313	315	313	284	
21	313	311	290	270	282	279	243	186	230	232	277	289	290	289	271	258	249	245	271	294	316	329	314	292	276	
22	283	282	293	283	279	273	280	294	297	293	289	291	288	272	262	253	254	258	273	292	312	326	317	296	285	
23	294	301	293	292	302	304	302	303	302	306	304	298	288	271	263	239	247	268	284	304	309	311	302	288	291	
24	295	302	304	306	307	294	292	298	303	303	309	312	298	282	262	264	271	282	291	303	312	312	308	308	296	
25 Q	307	302	304	304	304	312	309	306	309	307	304	307	299	294	281	271	277	281	291	302	313	318	314	314	301	
26	314	314	312	312	314	312	319	325	324	268	278	314	273	242	296	280	263	280	291	302	306	311	309	314	299	
27 Q	311	313	306	278	279	293	299	304	304	302	299	299	299	291	286	273	270	274	280	298	312	308	304	309	295	
28 Q	312	313	314	312	308	306	308	309	310	312	314	313	307	299	283	267	264	268	279	301	314	319	320	319	303	
29	321	328	327	314	303	295	308	315	314	312	308	307	307	283	275	286	281	272	273	286	297	301	308	308	301	
30	311	304	302	298	304	309	309	307	312	314	317	314	304	282	271	273	272	281	299	293	308	309	301	307	300	
31	312	314	312	311	304	305	305	309	312	317	316	314	302	286	271	271	273	279	296	308	310	304	316	321	303	
Mean	299	296	298	293	294	291	291	288	292	271	287	292	284	281	274	267	266	270	282	297	309	309	305	301	289	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt

D = 7° W + . . . '

March 1942

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	29.1	29.0	31.2	33.2	33.0	33.3	34.2	48.9	106.4	74.9	38.5	29.9	24.9	17.6	26.7	30.3	29.4	32.4	35.1	32.1	25.8	16.7	23.0	18.8	34.8
2 D	19.4	20.3	22.1	30.3	32.3	32.3	35.1	34.9	35.7	34.1	30.7	34.1	35.8	35.1	31.4	30.8	26.7	30.0	29.7	30.6	33.4	31.8	30.6	28.9	30.7
3 D	29.1	31.8	35.0	36.0	30.6	33.9	36.4	41.0	40.0	61.7	48.5	42.7	45.4	41.8	39.8	41.2	34.0	31.7	35.8	35.4	33.0	31.5	28.5	31.2	37.4
4	31.2	32.5	30.6	32.4	33.7	31.0	31.3	34.0	29.4	29.6	32.8	30.5	28.2	27.0	27.2	31.7	34.0	35.9	36.7	36.0	34.6	31.2	32.1	31.4	32.0
5 D	30.7	32.0	32.2	32.8	31.9	36.7	33.2	26.0	36.0	33.9	29.6	29.7	33.7	28.8	27.3	28.5	31.4	38.5	43.1	41.4	30.8	35.8	34.6	33.9	33.0
6	33.0	17.0	28.9	26.0	30.6	44.7	35.1	31.0	31.0	46.9	37.2	33.2	31.4	29.6	31.9	28.8	31.9	34.2	35.1	34.9	34.0	33.0	32.0	32.4	32.7
7	33.2	32.1	31.9	32.7	31.6	31.2	30.2	31.4	32.0	26.0	24.1	33.4	30.6	27.8	27.3	30.3	33.9	35.1	35.1	34.6	34.1	34.0	34.0	32.4	31.6
8 D	32.1	31.9	19.4	17.1	32.0	33.0	29.4	27.8	27.9	27.0	26.7	28.6	29.9	27.6	27.6	31.4	33.1	36.9	40.3	37.0	33.2	36.1	35.2	31.2	30.5
9	27.0	9.4	28.5	8.5	6.6	30.3	30.8	30.5	29.0	28.7	32.5	30.8	29.4	28.9	34.0	36.0	41.3	39.8	40.1	37.8	34.1	23.4	31.8	29.1	
10	33.5	31.8	30.4	30.6	32.4	34.4	31.6	31.9	31.8	31.7	31.6	33.4	32.0	28.5	27.9	31.4	32.4	35.1	36.7	32.2	34.0	33.7	33.0	32.4	32.2
11	32.3	26.9	29.6	32.0	43.3	23.4	28.6	30.0	30.0	30.0	30.5	30.8	29.5	28.6	29.4	32.1	33.7	35.1	34.0	32.7	31.5	31.2	31.8	31.1	31.1
12 Q	31.5	29.0	30.6	31.3	30.2	30.3	29.6	31.0	30.3	30.3	28.8	27.3	27.1	27.2	27.0	31.2	34.1	35.5	35.7	34.7	33.2	31.9	31.4	32.0	30.9
13	31.9	28.1	30.0	19.3	24.7	30.4	32.3	30.0	30.3	41.4	29.7	27.6	39.5	45.5	37.0	33.0	34.9	35.2	37.6	37.7	35.1	33.6	32.0	31.3	32.9
14	31.2	27.9	30.1	30.3	26.7	30.5	32.9	37.8	24.9	21.2	26.3	30.3	40.6	32.8	34.7	37.6	36.5	37.0	36.4	34.1	32.8	31.0	28.7	18.7	31.3
15	30.4	31.4	32.8	32.1	31.9	31.0	31.2	29.1	27.7	29.0	31.0	29.2	27.0	32.2	33.0	31.0	32.1	35.0	38.3	34.7	33.0	31.9	32.1	32.2	31.6
16 Q	31.3	31.4	31.9	31.9	31.2	31.2	31.3	32.1	29.1	29.0	29.7	30.1	28.5	28.2	27.6	30.6	34.0	37.9	38.5	37.6	36.0	33.2	32.1	31.5	32.0
17	31.1	25.4	30.1	30.2	31.4	31.5	29.9	31.0	28.7	28.0	28.6	29.9	27.9	27.8	27.9	30.3	32.5	35.7	36.7	36.9	34.9	32.7	33.8	32.7	31.0
18	32.0	31.5	31.5	31.2	31.3	31.2	30.0	29.7	29.5	27.0	24.1	25.8	26.2	25.1	28.0	30.3	40.3	42.3	42.9	40.4	40.5	39.2	34.2	33.1	32.4
19	32.8	31.0	31.1	30.9	30.7	28.0	25.7	27.5	28.4	25.4	26.4	24.8	22.4	22.6	24.8	30.2	36.3	44.8	39.6	40.4	40.0	35.7	33.6	35.1	31.1
20	25.0	22.6	20.2	21.0	27.2	33.1	28.0	35.1	34.6	28.9	27.2	27.3	25.9	24.6	25.7	29.3	33.0	37.2	38.4	37.3	36.6	35.0	34.0	32.9	30.0
21	32.0	32.1	26.8	22.6	29.0	26.9	24.0	19.0	27.8	22.9	28.6	23.6	23.2	23.9	26.0	31.3	36.8	41.2	42.2	41.9	38.6	36.0	39.1	38.4	30.6
22	34.0	26.3	28.9	25.4	22.4	26.9	34.5	34.8	29.0	28.4	32.3	31.4	26.6	23.8	25.7	27.7	33.7	37.5	38.7	37.7	37.6	37.3	36.3	35.5	31.3
23	31.4	33.7	29.0	26.6	31.0	31.8	31.3	30.2	29.9	30.5	30.5	29.6	26.1	24.9	27.2	31.6	39.6	40.8	41.5	39.9	38.2	35.1	38.0	34.8	32.6
24	33.3	32.0	31.9	27.8	23.9	26.2	28.1	29.5	29.5	30.0	30.1	28.5	26.0	25.9	27.8	31.9	33.9	35.6	36.5	35.7	33.9	33.0	32.8	32.4	30.7
25 Q	31.3	31.4	32.1	31.7	31.3	31.6	29.3	28.4	28.6	29.2	32.2	30.2	29.1	29.0	29.2	34.1	38.4	38.2	38.3	36.8	35.7	33.6	32.7	32.7	32.3
26	32.2	31.8	30.9	31.3	31.3	31.1	30.2	27.7	26.0	36.1	31.7	23.9	23.8	28.4	35.1	35.0	33.1	39.9	40.3	38.1	37.4	35.5	34.0	33.0	32.4
27 Q	32.7	32.2	32.3	26.6	30.0	30.5	30.5	30.7	29.8	29.5	29.7	27.8	26.5	25.5	27.0	31.4	33.9	36.7	38.3	38.1	36.6	35.4	34.0	31.7	31.5
28 Q	30.1	30.1	32.2	32.0	29.5	29.5	31.0	29.4	29.4	29.6	30.0	28.7	27.8	28.0	28.0	30.2	34.8	38.4	39.5	39.2	38.3	36.5	35.1	33.7	32.1
29	32.7	31.7	31.4	31.3	24.2	27.7	31.9	31.0	27.5	31.1	31.3	27.7	27.0	29.6	39.5	33.8	33.7	36.6	38.4	38.1	36.0	34.5	33.6	32.2	32.2
30	31.9	31.7	31.0	28.5	30.0	27.1	27.7	28.9	27.9	28.7	28.6	27.1	25.7	24.0	32.3	34.1	37.1	40.2	39.6	38.1	35.2	33.0	32.2	31.3	31.3
31	31.1	31.1	31.4	31.7	29.5	28.7	30.2	30.0	31.1	31.3	29.2	27.5	25.0	27.2	29.3	32.2	35.4	38.7	39.5	38.6	38.1	36.5	33.9	31.8	32.0
Mean	31.0	29.0	29.9	28.5	29.5	31.0	30.8	31.2	32.5	32.6	30.5	29.5	29.1	28.2	29.6	31.8	34.1	37.1	38.0	36.8	35.1	33.4	32.6	31.6	31.8

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

Table 11 Agincourt

z = 56,000 γ +

March 1942

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1 D	480	473	469	465	459	459	460	410	239	375	215	310	304	467	483	459	453	451	466	540	582	581	593	509	446	
2 D	522	457	469	496	460	470	473	478	461	477	474	466	462	469	490	487	494	499	497	497	477	471	477	476	479	
3 D	477	473	461	454	440	460	440	366	333	280	274	361	373	403	431	457	487	533	496	481	484	487	492	488	435	
4	480	461	461	454	444	460	459	437	438	420	430	438	457	459	463	463	465	470	479	477	477	480	475	475	459	
5 D	475	472	470	468	460	397	371	391	402	421	440	453	452	453	456	450	444	460	509	565	584	525	501	485	463	
6	481	480	450	426	422	372	398	403	424	379	402	441	450	454	461	469	463	459	460	462	465	466	463	462	442	
7	460	461	463	461	463	458	435	423	422	432	441	450	448	448	446	448	454	457	460	467	470	465	464	467	453	
8 D	479	505	516	469	477	450	423	427	443	450	452	473	471	473	470	461	466	474	484	499	509	505	521	517	476	
9	515	455	502	518	540	496	454	457	466	463	456	463	475	479	472	466	463	469	475	479	486	490	507	499	481	
10	486	477	479	479	474	450	466	469	469	469	468	456	460	458	453	450	448	454	461	462	463	461	461	466	464	
11	466	476	479	479	435	444	456	460	465	465	466	466	467	465	462	456	452	454	461	465	466	467	467	464	463	
12 Q	464	462	462	462	462	460	461	463	457	459	457	460	458	462	461	457	448	448	453	457	458	461	461	463	459	
13	473	502	481	473	474	463	464	463	440	397	399	412	421	414	427	436	446	450	456	456	461	471	474	466	451	
14	463	469	470	456	451	456	409	329	315	416	446	438	433	440	444	448	456	459	464	468	473	468	469	475	442	
15	473	468	463	462	463	460	453	450	453	460	459	459	458	456	462	458	457	461	465	465	465	466	464	463	461	
16 Q	464	463	462	462	462	461	459	450	456	459	461	461	462	462	458	454	456	460	465	467	468	468	464	464	461	
17	462	459	457	456	457	459	450	441	452	453	456	457	460	461	461	457	456	461	467	471	480	476	468	469	460	
18	463	461	461	460	461	461	456	453	438	429	433	444	452	456	454	450	451	457	464	473	474	481	481	480	458	
19	475	470	468	469	467	462	450	463	463	456	458	458	456	457	456	454	458	464	471	481	488	499	499	516	469	
20	595	509	455	441	473	447	437	445	433	447	460	468	469	461	459	457	457	461	466	466	464	460	461	460	464	
21	460	459	460	456	457	426	350	285	316	387	418	431	448	456	456	457	467	487	499	497	512	515	500	507	446	
22	517	490	480	485	450	451	438	443	460	461	459	461	467	466	465	461	462	467	473	477	477	481	483	486	469	
23	487	481	476	474	467	467	464	463	461	459	459	460	464	460	456	457	462	463	466	481	488	486	485	469		
24	478	468	464	460	443	446	452	459	458	456	455	456	457	457	456	457	460	463	466	470	466	467	467	466	460	
25 Q	465	462	463	462	462	455	450	456	460	458	455	452	456	457	456	453	455	458	461	465	468	466	462	463	459	
26	461	460	460	460	460	459	459	456	450	396	348	406	434	440	446	446	453	458	463	466	467	464	461	460	447	
27 Q	460	460	460	469	470	466	465	465	464	460	461	462	460	455	451	450	450	456	459	465	468	471	466	465	462	
28 Q	460	457	456	453	451	453	453	452	455	452	454	454	455	456	458	455	457	456	458	462	461	459	459	457	456	
29	457	456	455	455	449	453	456	447	450	450	445	453	457	455	450	447	446	449	456	466	471	473	472	467	456	
30	466	463	461	460	460	452	451	455	452	455	456	460	460	456	457	450	453	461	470	466	467	467	466	466	460	
31	462	459	459	457	457	450	458	459	455	450	455	458	458	455	453	450	455	460	460	464	471	470	468	466	459	
Mean	479	470	468	465	461	453	444	436	431	435	433	445	448	456	457	456	458	464	470	477	481	480	480	476	459	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt

March 1942

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range γ	Maximum 7° W +		Minimum 7° W +		Range '	Maximum 56,000 γ +		Minimum 56,000 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1 D	08 00	466	09 30	-501	967	08 30	113.1	12 46	-12.2	125.3	09 27	765	10 05	003	762
2 D	01 18	418	01 38	165	253	03 27	48.9	00 30	-33.7	82.6	01 22	749	01 50	345	404
3 D	01 56	304	10 07	127	177	09 48	71.7	17 18	22.1	49.6	17 40	568	09 30	266	302
4	01 36	310	17 20	250	60	03 58	40.5	14 00	24.8	15.7	20 00	483	09 13	413	70
5 D	19 50	403	17 59	154	249	18 08	46.4	20 07	14.8	31.6	19 55	702	06 25	363	339
6	22 53	320	05 17	182	138	09 18	55.1	01 45	09.7	45.4	01 05	487	09 20	357	130
7	20 38	362	17 20	273	89	23 59	37.8	09 58	22.0	15.8	20 38	487	08 05	413	74
8 D	02 53	357	02 34	230	127	18 24	41.5	02 56	04.8	36.7	02 30	559	07 08	409	150
9	04 30	419	03 50	207	212	04 45	49.8	00 54	-19.4	69.2	04 17	623	04 44	386	237
10	19 27	322	05 06	260	62	05 07	42.4	13 52	27.0	15.4	00 01	489	05 28	444	45
11	00 06	313	04 54	265	48	04 34	53.3	05 30	18.1	35.2	04 05	487	04 27	408	79
12 Q	18 03	318	15 56	282	36	17 36	36.0	13 18	27.0	10.0	23 40	467	16 56	447	20
13	21 07	339	03 58	227	112	09 30	49.6	04 04	12.1	37.5	01 19	513	09 46	375	138
14	20 28	338	07 45	214	124	07 31	44.0	23 21	15.7	28.3	20 29	479	08 04	251	228
15	20 10	314	13 50	254	60	18 18	49.8	00 01	24.8	25.0	00 20	474	06 58	441	33
16 Q	21 08	320	16 35	262	58	18 55	39.1	14 11	27.1	12.0	21 15	470	07 25	444	26
17	20 45	322	16 00	270	52	18 47	37.3	01 48	21.2	16.1	19 45	486	07 10	428	58
18	10 23	327	16 05	262	65	18 08	44.0	10 53	21.4	22.6	21 25	483	09 12	421	62
19	21 22	326	16 18	243	83	17 42	47.1	14 00	21.2	25.9	23 59	541	06 06	438	103
20	00 51	343	02 57	240	103	18 10	38.9	02 13	12.0	26.9	00 50	658	08 35	416	242
21	21 44	338	08 00	151	187	19 40	42.5	09 15	12.9	29.6	20 55	519	08 00	227	292
22	21 42	333	15 59	248	85	07 10	39.7	04 15	23.5	16.2	01 00	539	06 27	421	118
23	20 50	326	15 58	230	96	18 15	42.4	03 50	21.1	21.3	21 00	493	15 50	450	43
24	04 07	331	14 10	254	77	18 23	36.6	04 43	19.8	16.8	00 05	479	04 14	433	46
25 Q	05 45	319	15 44	265	54	17 45	39.4	13 00	25.7	13.7	20 40	468	06 00	445	23
26	06 48	349	13 47	212	137	16 55	49.3	12 18	18.4	30.9	19 50	472	10 12	316	156
27 Q	21 32	316	16 50	267	49	19 01	39.6	03 30	23.9	15.7	21 35	475	15 20	446	29
28 Q	21 25	323	16 14	261	62	18 49	39.8	12 58	26.7	13.1	19 15	462	04 35	446	16
29	02 08	330	14 10	263	67	14 43	42.2	04 35	19.1	23.1	21 20	475	04 48	436	39
30	10 42	319	14 25	263	56	17 29	43.1	13 41	22.3	20.8	18 35	472	06 08	443	29
31	23 42	360	15 05	259	101	18 04	39.7	12 54	23.7	16.0	23 42	475	05 18	440	35
Mean		342		211	131		46.5		16.0	30.5		526		386	140
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 1942

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	328	328	313	313	342	328	331	326	328	328	327	318	310	300	289	279	272	276	291	301	307	315	318	320	312
2	314	308	310	314	322	323	320	326	323	324	325	280	267	277	288	280	260	272	290	298	287	305	303	294	301
3 D	282	296	293	272	267	199	227	238	253	263	296	293	288	278	267	275	282	288	294	321	318	327	291	307	280
4 D	311	297	289	296	314	303	294	156	294	277	235	183	230	228	251	197	194	227	262	318	357	309	284	281	266
5	272	279	282	289	292	284	288	288	288	277	280	289	284	263	260	262	267	271	287	295	303	309	305	302	284
6	299	293	301	300	299	294	299	301	301	302	296	295	290	282	281	282	286	289	294	298	305	306	311	308	297
7 Q	305	305	302	303	303	309	302	301	303	306	307	305	301	293	288	283	288	291	295	300	305	311	312	313	301
8	318	316	298	313	301	308	290	277	270	283	303	306	303	289	272	272	276	288	303	303	309	317	311	307	297
9	303	301	301	302	310	316	303	303	304	308	308	301	304	297	283	285	292	304	308	312	316	301	311	316	304
10	315	312	313	310	307	308	307	308	311	313	313	313	310	302	292	285	286	298	314	325	331	332	334	324	311
11 D	317	322	321	220	259	240	306	215	89	168	261	229	233	237	228	257	275	278	286	291	298	300	299	300	260
12	298	297	300	300	300	298	300	298	302	307	307	302	291	280	267	267	278	287	300	312	301	306	311	311	297
13	294	308	312	310	308	305	305	302	309	313	308	310	289	240	218	239	266	284	306	317	323	333	330	310	298
14	288	279	269	268	286	288	288	290	289	299	297	299	286	274	266	270	288	297	309	315	314	309	302	301	290
15	300	305	306	306	305	301	300	302	299	299	301	299	295	286	279	270	272	286	304	320	329	311	315	312	300
16	315	317	307	301	302	295	288	277	280	301	313	309	294	285	269	260	267	278	308	339	366	368	366	327	306
17 D	375	346	226	255	278	279	232	205	230	200	220	274	287	266	235	230	249	279	302	313	321	320	310	306	273
18 D	307	303	315	303	295	281	263	270	276	271	259	281	287	265	256	236	262	261	278	308	300	317	335	315	285
19	292	300	298	280	294	291	278	294	297	291	279	302	289	273	262	254	252	268	292	310	325	319	315	320	291
20	303	304	298	302	307	298	302	302	295	299	297	287	287	291	278	247	244	277	297	307	317	317	313	310	295
21 Q	305	304	302	302	306	305	307	308	307	307	307	302	294	273	269	285	307	323	325	330	317	317	317	315	305
22 Q	314	312	310	314	313	313	312	312	312	312	313	312	306	293	281	275	286	296	310	322	328	328	325	322	309
23	322	324	321	323	326	331	324	336	343	334	329	311	285	308	265	265	284	288	321	307	320	320	319	300	313
24	288	293	273	301	312	306	303	301	305	300	301	310	304	289	284	279	285	300	313	318	323	322	321	316	302
25 Q	312	311	309	309	308	311	312	313	314	315	314	312	306	292	285	289	297	309	316	323	326	328	325	321	311
26 Q	318	318	318	314	302	303	301	306	308	309	309	309	302	290	277	278	290	299	308	320	326	327	327	323	307
27	321	322	319	319	318	320	320	324	328	324	326	321	314	311	291	294	301	299	321	309	308	321	332	336	316
28	332	292	285	275	283	291	293	296	299	306	306	304	301	290	278	288	294	301	306	306	318	322	301	309	299
29	309	303	306	306	303	304	306	312	311	311	309	305	300	290	280	275	275	286	306	316	326	333	332	310	305
30	314	317	316	318	321	322	321	326	327	329	328	321	303	312	301	287	288	291	304	319	314	321	337	333	315
31																									
Mean	309	307	301	298	303	299	298	290	293	296	299	296	291	283	271	267	275	286	302	312	319	319	317	312	298

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7° W + . . . '

April 1942

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	31.2	31.1	31.4	31.0	29.0	29.2	28.6	26.6	25.8	26.1	34.3	24.5	23.5	23.0	29.0	31.2	34.9	37.6	37.7	37.2	35.6	33.1	31.5	30.5	30.1	
2	30.8	29.6	30.3	29.6	29.5	30.4	29.5	30.2	27.1	21.2	28.0	41.7	35.0	39.4	41.2	39.0	42.6	44.1	42.3	40.1	36.2	32.6	30.4	29.0	33.8	
3 D	26.7	30.2	27.7	27.4	27.0	21.0	24.4	16.9	25.0	21.9	22.2	25.6	22.3	24.7	30.4	33.5	34.3	36.2	36.7	34.0	35.2	34.6	34.0	31.2	28.5	
4 D	30.8	27.9	26.3	30.8	32.2	31.1	12.8	34.2	22.6	21.4	35.8	58.3	33.4	23.3	24.7	39.4	44.3	46.3	45.1	40.4	31.5	39.6	40.1	34.5	33.6	
5	33.4	31.6	31.3	23.2	27.9	31.0	32.0	32.0	30.6	35.4	35.0	29.6	29.4	32.8	35.4	37.0	37.6	38.5	39.3	38.9	36.4	34.4	32.0	31.0	33.1	
6	31.3	33.0	31.6	29.0	32.2	31.9	31.6	31.1	30.8	31.3	30.8	29.8	28.0	28.6	30.3	33.5	34.9	36.7	38.3	38.3	37.6	36.1	34.9	32.9	32.7	
7 Q	31.5	31.0	30.7	31.0	31.0	30.3	28.8	29.2	29.4	29.5	29.0	27.9	28.1	26.8	28.0	29.9	32.0	33.6	34.5	34.4	35.0	35.0	34.9	34.0	31.0	
8	33.5	28.9	23.9	29.7	26.7	31.5	30.6	30.7	21.9	26.3	26.1	25.7	24.6	23.1	27.3	35.8	36.8	42.5	40.0	38.5	36.2	34.0	32.1	31.3	30.7	
9	31.5	32.2	31.4	31.9	31.6	34.8	32.3	33.8	29.1	27.4	27.6	28.4	28.5	28.3	30.0	34.6	35.7	35.9	36.4	36.1	35.4	34.4	32.4	31.6	32.1	
10	31.4	31.4	31.5	31.2	30.8	30.1	29.7	29.1	29.0	29.6	28.8	27.7	26.4	26.1	27.6	30.5	33.9	36.7	38.1	38.1	35.2	33.7	33.7	35.1	31.5	
11 D	33.9	28.2	26.4	25.7	31.9	32.5	31.3	37.1	44.9	40.8	18.4	30.0	35.5	29.6	42.6	42.8	39.3	39.1	37.4	35.2	31.9	30.0	29.5	29.8	33.5	
12	30.7	31.2	31.3	31.8	31.9	32.1	31.6	31.0	30.2	29.5	25.1	25.1	25.7	26.6	28.9	36.6	38.7	40.3	39.1	36.1	34.2	31.9	30.0	29.3	31.6	
13	29.1	31.2	32.4	32.4	31.9	32.2	32.0	29.4	28.0	26.2	26.1	23.9	23.3	23.0	38.9	44.2	46.2	46.2	41.2	37.3	36.4	32.0	32.4	20.8	32.4	
14	22.8	20.9	14.3	22.9	30.1	27.7	30.8	31.2	29.4	28.2	28.0	24.2	22.2	23.9	25.0	26.0	31.2	35.3	36.7	36.1	35.1	34.0	33.0	32.8	28.4	
15	33.4	33.0	32.2	32.0	31.7	31.2	31.5	32.0	28.8	29.0	27.7	26.6	26.0	25.5	26.8	30.5	34.9	36.7	38.2	39.1	37.3	34.2	32.1	32.0	31.8	
16	31.9	31.5	28.6	25.5	28.7	41.0	28.5	29.2	39.3	29.3	27.2	25.8	24.9	27.5	27.6	31.7	35.8	38.4	40.3	40.8	40.3	37.6	39.3	40.7	33.0	
17 D	39.3	27.5	4.7	31.8	28.7	30.5	33.6	29.7	23.7	31.9	41.6	27.8	23.4	23.2	29.6	36.0	38.5	41.4	42.1	40.2	38.7	37.3	36.1	32.8	32.1	
18 D	31.5	29.0	30.3	30.5	26.6	31.9	30.7	27.8	23.6	32.8	39.6	32.4	31.1	27.0	28.2	33.7	34.7	35.2	35.1	35.7	37.6	35.4	22.0	23.7	31.1	
19	27.6	26.6	25.2	27.3	30.0	27.5	27.6	30.1	28.9	33.0	32.8	28.1	25.2	24.4	24.6	30.5	34.4	40.1	44.6	43.7	39.1	36.4	33.5	31.2	31.3	
20	29.1	29.1	26.4	29.3	28.2	31.0	32.0	31.0	30.2	29.3	27.1	25.6	27.2	28.4	26.5	27.3	35.5	39.4	40.3	39.2	37.4	34.9	32.8	31.1	31.2	
21 Q	30.9	30.1	27.7	30.0	30.9	31.2	31.0	31.0	30.2	29.4	28.1	26.2	24.9	24.2	24.6	30.0	35.7	38.3	38.2	38.0	36.7	34.9	33.0	31.6	31.1	
22 Q	31.6	31.8	29.1	31.4	31.5	31.3	31.0	30.3	29.8	29.1	27.3	25.5	24.3	24.9	26.4	31.0	33.5	36.4	37.6	37.1	34.9	33.0	31.4	31.7	31.0	
23	31.6	31.6	31.8	31.4	29.4	29.3	29.1	27.4	24.8	28.0	30.7	30.3	25.7	31.9	30.0	37.1	38.4	40.7	38.1	40.1	37.2	34.3	31.4	28.8	32.0	
24	14.0	17.3	24.8	30.2	28.4	30.7	29.3	30.0	29.4	33.2	30.0	25.7	24.4	26.4	30.2	32.8	35.2	36.4	37.5	37.1	35.2	33.4	32.5	32.0	29.9	
25 Q	32.0	32.0	32.2	31.7	31.5	30.8	30.6	30.0	29.1	28.8	27.5	26.4	26.2	27.3	29.8	31.8	33.3	34.9	36.0	35.4	34.6	33.8	33.5	32.7	31.3	
26 Q	32.0	31.4	31.0	31.5	29.4	29.3	28.7	28.0	28.1	28.0	27.2	26.2	25.6	26.4	28.0	31.4	33.8	35.2	37.1	36.4	35.7	34.8	32.9	32.0	30.9	
27	31.9	31.1	31.0	30.7	30.1	30.1	28.0	28.0	28.5	28.0	25.4	25.5	25.7	25.9	27.0	31.9	35.0	36.4	37.1	39.4	37.1	32.7	31.7	31.1	30.8	
28	32.7	24.8	26.0	25.5	23.0	30.0	31.3	30.5	30.0	31.0	30.5	26.4	24.9	25.9	30.7	33.0	35.2	37.5	39.2	38.5	37.3	34.9	33.0	32.0	31.0	
29	31.6	31.0	28.4	29.4	29.3	30.2	31.0	34.4	30.1	28.9	27.3	26.3	25.8	25.7	27.5	32.0	35.0	37.5	39.0	39.1	37.2	34.7	32.8	32.5	31.5	
30	32.6	31.7	31.7	31.1	30.3	30.2	29.4	28.9	28.3	27.5	26.2	25.2	30.2	29.9	30.2	32.8	37.6	37.4	39.2	41.1	40.0	36.5	34.0	33.0	32.3	
31																										
Mean	30.8	29.6	28.0	29.6	29.7	30.7	29.6	30.0	28.9	29.0	28.8	28.4	26.7	26.8	29.5	33.5	36.2	38.3	38.7	38.1	36.2	34.4	32.7	31.4	31.5	

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

Table 15 Agincourt

z = 56,000 γ +

April 1942

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	462	459	458	456	427	440	452	455	455	453	455	453	450	446	446	445	443	443	455	458	461	466	464	460	460	453
2	457	456	455	455	453	453	455	437	465	444	390	377	402	415	400	415	442	460	469	475	479	490	484	479	446	
3 D	480	471	461	455	360	332	360	345	350	387	429	441	449	442	440	446	449	451	453	460	464	472	482	473	432	
4 D	466	467	472	471	460	442	319	268	397	396	368	326	388	429	437	436	453	498	551	549	547	486	485	482	442	
5	480	476	473	456	445	455	460	463	460	455	449	455	458	455	466	466	470	477	482	480	477	477	476	474	466	
6	472	470	470	460	449	466	467	465	463	463	460	460	461	466	466	466	467	470	473	474	473	473	473	471	467	
7 Q	472	467	467	467	465	455	455	462	466	464	464	462	462	460	458	456	460	462	466	468	468	470	469	469	464	
8	468	471	499	509	496	479	460	409	391	430	459	463	460	452	453	453	452	460	472	476	477	478	470	469	463	
9	468	469	468	467	461	445	448	446	454	456	457	456	459	453	454	458	461	460	465	469	470	467	467	461	460	
10	460	458	457	457	457	459	458	457	458	457	457	457	454	448	446	446	446	445	448	448	454	455	460	468	455	
11 D	503	524	576	444	491	485	436	334	261	343	351	379	359	410	430	434	464	472	469	465	469	469	467	468	438	
12	467	465	466	462	462	462	459	462	463	461	459	462	459	459	456	454	454	455	458	469	471	473	472	474	463	
13	473	467	464	463	462	460	451	461	463	460	459	460	459	459	464	456	466	467	477	484	499	510	538	533	473	
14	440	470	458	452	439	413	458	472	470	470	471	471	471	468	464	455	444	451	454	462	465	465	465	465	459	
15	464	465	463	462	464	464	465	459	459	464	463	461	456	458	456	458	457	460	466	473	478	473	469	465	464	
16	465	462	469	464	461	412	424	395	383	414	442	454	458	455	456	457	461	465	473	479	507	538	566	575	464	
17 D	629	596	377	320	427	449	255	369	387	395	398	439	465	459	453	468	472	467	458	460	467	468	468	479	443	
18 D	477	471	427	421	461	383	349	362	398	395	377	389	395	420	438	445	460	473	503	501	487	488	503	491	438	
19	492	472	456	466	450	448	442	445	459	455	442	459	453	454	459	456	456	463	465	475	481	473	470	475	461	
20	475	473	450	464	459	457	460	462	463	465	465	459	455	451	450	451	452	455	462	466	473	476	476	472	462	
21 Q	468	465	463	461	461	461	462	462	462	462	463	463	461	459	454	454	449	454	460	465	472	466	465	464	462	
22 Q	463	461	460	460	460	460	460	460	459	460	460	459	459	458	457	452	451	456	458	462	463	462	460	459	459	
23	458	458	457	455	457	459	457	457	454	451	451	428	420	427	436	448	454	460	484	494	487	477	478	490	458	
24	474	445	454	435	439	442	448	454	453	444	439	440	445	438	442	444	442	448	456	461	464	465	465	464	451	
25 Q	459	458	456	455	454	454	454	454	453	454	454	452	451	450	451	452	459	459	459	462	465	468	468	464	457	
26 Q	461	460	460	460	460	461	463	464	461	461	460	456	457	457	454	444	442	442	446	454	459	461	462	462	457	
27	459	458	456	456	456	457	454	456	456	454	457	455	454	452	449	454	449	451	469	484	490	483	478	513	463	
28	575	556	433	454	459	477	475	473	471	464	459	460	465	462	457	448	446	445	454	461	471	479	478	473	471	
29	472	469	457	454	456	456	457	454	456	460	462	459	455	454	454	457	459	457	457	457	458	464	469	469	459	
30	467	462	459	459	458	458	454	458	455	458	459	456	452	438	439	433	439	442	448	459	459	465	470	464	455	
31																										
Mean	477	474	461	454	454	448	437	434	438	443	443	444	446	448	449	450	454	459	467	472	475	475	477	477	457	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt

April 1942

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.	
1	04	20	350	16	40	252	98	17	59	38.6	13	36	21.3	17.3	22	00	467	04	28	415	52
2	10	17	338	12	08	254	84	13	58	48.7	23	59	23.2	25.5	21	45	495	11	32	350	145
3 D	19	23	370	05	08	186	184	04	45	44.9	04	17	-1.0	45.9	22	40	489	04	37	315	174
4 D	20	17	409	07	25	014	395	07	22	85.6	06	25	08.3	77.3	20	10	649	07	18	085	564
5	21	52	313	13	50	255	58	18	53	40.3	03	35	12.4	27.9	01	00	485	03	50	434	51
6	03	57	317	15	10	277	40	19	00	38.6	03	47	23.6	15.0	21	30	475	04	04	442	33
7 Q	23	54	316	14	45	282	34	20	53	35.3	13	19	26.1	09.2	00	05	472	05	32	447	25
8	03	07	350	08	06	236	114	17	15	45.3	01	55	13.9	31.4	03	00	551	07	58	342	209
9	05	21	329	14	43	278	51	15	58	36.9	10	35	26.0	10.9	22	00	473	05	34	433	40
10	23	25	356	16	03	283	73	19	25	38.9	13	25	25.6	13.3	23	55	481	17	40	443	38
11 D	02	45	354	08	26	053	301	07	43	56.4	02	48	00.8	55.6	02	36	629	08	19	202	427
12	19	40	327	15	05	256	71	17	29	41.8	11	00	23.2	18.6	22	55	477	16	36	448	29
13	22	03	354	14	05	209	145	16	58	49.4	22	56	16.1	33.3	22	43	708	06	08	442	266
14	02	07	424	02	45	212	212	04	03	40.9	00	27	-8.4	49.3	00	28	642	01	15	284	358
15	20	22	333	16	00	268	65	19	18	39.7	13	40	25.0	14.7	20	45	478	07	31	448	30
16	22	05	396	16	18	254	142	05	50	47.6	12	35	12.6	35.0	22	43	590	08	00	369	221
17 D	01	10	409	02	47	139	270	03	22	71.9	02	48	-12.9	84.8	01	04	677	03	20	111	566
18 D	22	54	353	14	58	234	119	10	10	44.3	22	45	10.5	33.8	18	45	517	06	55	317	200
19	20	46	329	16	04	250	79	18	58	45.6	02	34	18.5	27.1	00	28	496	10	23	425	71
20	20	37	329	16	44	236	93	18	21	41.0	02	27	23.6	17.4	00	14	478	02	08	439	39
21 Q	20	36	340	14	49	264	76	18	49	38.9	14	45	23.5	15.4	20	40	475	16	25	444	31
22 Q	21	03	330	14	50	275	55	18	55	37.7	12	41	23.9	13.8	20	15	464	16	15	448	16
23	08	03	354	15	00	247	107	17	18	48.2	12	44	22.1	26.1	19	02	497	12	00	412	85
24	20	45	327	02	25	261	66	18	35	37.8	00	28	09.1	28.7	00	15	499	03	55	412	87
25 Q	21	45	335	14	50	283	52	18	20	36.1	12	08	25.8	10.3	21	45	469	15	15	448	21
26 Q	21	38	330	15	05	272	58	18	48	37.4	12	00	25.3	12.1	06	50	464	17	30	436	28
27	23	02	352	15	05	275	77	19	46	41.6	12	12	24.4	17.2	23	59	542	16	12	442	100
28	01	42	359	02	00	227	132	02	24	45.7	01	56	-31.2	76.9	00	32	623	02	18	357	266
29	22	30	339	16	00	273	66	18	55	39.7	02	33	24.7	15.0	22	41	473	07	50	445	28
30	22	58	356	15	18	277	79	20	03	42.7	11	40	23.4	19.3	22	52	471	13	40	428	43
31																					
Mean			349			236	113			44.6			15.3	29.3			523			382	141
No. days			30			30	30			30			30	30			30			30	30

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 17 Agincourt

H = 15,000 γ +

May 1942

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	326	332	314	306	291	272	260	263	280	299	293	285	288	288	283	275	284	293	305	315	316	316	316	316	324	297
2	322	319	319	314	313	322	316	306	316	310	302	311	306	288	276	260	269	280	303	322	326	329	341	331	308	
3	321	306	299	299	299	311	314	311	311	311	309	304	306	305	302	298	292	290	301	322	326	330	339	332	310	
4 D	328	323	321	316	314	319	319	316	318	316	316	312	308	296	281	266	280	304	334	372	361	381	340	311	319	
5 D	316	290	270	287	287	285	280	289	287	281	290	293	287	277	270	272	285	302	318	327	326	329	328	318	296	
6	307	300	299	309	306	316	305	305	301	299	301	304	310	297	283	283	294	311	326	327	324	321	319	315	307	
7	314	316	316	317	312	306	309	314	311	309	314	311	315	308	298	299	309	323	330	332	336	331	331	329	316	
8	322	326	320	323	322	322	325	328	329	325	325	327	323	312	315	325	329	331	328	336	337	334	329	326		
9 Q	326	330	332	330	331	331	326	327	326	321	320	321	320	315	315	319	325	332	335	330	325	325	330	325	326	
10	328	328	315	319	315	319	323	325	328	330	331	330	321	305	296	290	298	310	322	333	342	351	352	352	324	
11	327	330	330	325	330	334	328	332	327	328	327	326	317	304	294	293	298	303	310	313	324	325	329	329	320	
12 Q	326	323	323	322	321	323	326	325	325	326	325	321	313	302	290	288	298	310	323	334	337	333	332	323	320	
13 Q	318	318	317	318	318	323	326	323	322	322	322	316	302	287	278	278	292	311	327	338	343	338	330	333	317	
14 D	329	340	348	357	355	327	225	257	272	280	303	305	293	276	264	265	286	306	323	341	333	327	319	318	306	
15	320	323	329	315	322	305	307	316	317	308	311	307	300	298	285	274	287	298	309	307	314	315	322	315	308	
16	321	320	320	321	320	319	321	321	320	320	315	312	313	312	304	296	299	306	323	329	329	328	322	327	318	
17	318	319	319	312	315	316	317	318	318	316	314	315	311	311	308	308	310	321	330	333	333	323	330	329	319	
18	326	317	321	319	318	313	315	315	314	313	311	313	308	302	291	287	303	312	326	333	332	335	325	320	315	
19	327	323	322	318	315	318	318	312	310	318	318	314	312	304	300	297	298	310	321	330	335	337	330	328	318	
20	331	329	327	328	327	328	320	326	317	323	323	324	325	310	300	310	320	329	335	341	344	342	337	326	326	
21	334	323	317	310	319	322	325	327	328	329	327	323	319	302	294	297	303	319	329	330	324	337	321	319	320	
22	319	320	318	322	324	326	329	314	314	321	323	315	316	314	307	291	293	304	327	342	354	319	320	317	319	
23	304	308	310	314	316	319	314	320	323	324	321	323	317	304	297	302	322	333	338	344	356	324	327	319	320	
24	322	323	319	324	314	322	319	320	322	321	324	324	319	308	296	291	310	321	326	329	340	342	327	339	321	
25	317	322	322	322	321	321	322	322	325	324	322	319	306	291	286	291	305	319	330	335	340	337	334	329	319	
26 Q	326	330	329	327	326	326	324	322	322	323	324	320	311	306	299	300	312	329	336	341	340	335	327	329	324	
27 D	329	330	330	334	335	333	331	332	335	332	326	312	317	299	302	307	305	322	324	343	360	351	321	316	327	
28 D	317	317	319	329	316	265	258	266	302	290	297	300	294	286	284	278	297	307	319	332	331	340	334	314	304	
29	314	315	307	314	308	313	314	310	309	314	314	307	299	297	292	299	312	325	336	347	348	332	330	330	316	
30	328	320	311	311	317	316	319	321	313	313	315	312	308	291	281	294	311	325	330	340	340	341	336	332	318	
31 Q	325	320	316	318	316	319	318	313	313	308	303	303	298	290	289	290	290	318	324	328	334	336	339	333	315	
Mean	322	321	318	319	318	316	311	313	315	315	315	313	309	300	292	291	301	313	325	333	336	334	330	326	316	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt

D = 7° W + . . . '

May 1942

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	32.0	32.0	28.4	28.4	24.5	20.3	22.2	26.8	23.8	24.0	25.4	27.9	28.2	24.6	26.1	29.3	31.6	33.7	35.1	36.1	35.9	34.8	33.6	32.4	29.0	
2	31.6	31.1	31.2	27.6	29.4	32.5	31.1	34.0	29.4	27.0	36.6	31.3	29.6	28.4	28.8	34.9	37.9	42.1	42.1	41.0	39.9	38.1	34.0	34.5	33.5	
3	29.1	30.6	26.4	28.5	26.9	30.3	30.9	29.2	29.4	29.6	28.5	27.8	25.7	24.6	25.1	27.6	30.4	33.6	37.1	38.2	38.3	36.4	32.6	32.8	30.4	
4 D	32.4	31.9	31.1	31.6	32.0	31.3	30.3	30.3	29.0	28.5	26.6	26.4	24.6	24.6	26.1	29.1	37.5	42.8	43.4	38.4	42.1	41.8	40.8	35.5	32.9	
5 D	36.7	21.3	28.3	26.7	26.4	25.9	28.5	30.2	29.3	31.1	31.9	24.3	24.6	25.8	28.9	31.6	35.5	37.3	36.5	35.5	34.0	32.8	32.6	32.7	30.3	
6	36.1	34.2	32.0	30.5	32.0	25.6	31.0	30.2	28.5	28.3	24.9	23.7	25.0	25.5	27.0	31.0	34.0	35.5	33.7	32.8	32.8	32.0	31.1	31.0	30.3	
7	31.1	31.2	31.1	31.1	30.2	27.9	29.8	28.4	28.9	28.4	26.6	27.6	28.3	28.4	30.2	34.0	36.6	37.3	36.3	34.6	33.7	32.8	31.9	32.6	31.2	
8	32.8	31.4	31.1	29.6	30.8	29.6	29.1	29.1	28.6	27.7	25.7	23.9	22.3	23.0	25.5	30.2	33.3	33.7	33.7	34.6	34.5	33.9	32.9	31.9	30.0	
9 Q	31.5	31.5	31.1	30.8	30.2	29.1	28.6	29.0	29.1	28.6	27.4	26.7	26.1	27.3	29.2	32.4	33.5	33.3	32.0	33.0	32.0	31.1	30.1	29.9	30.1	
10	30.1	30.8	26.8	25.7	29.1	29.8	29.1	29.0	28.5	27.5	25.7	22.3	21.9	24.7	29.3	33.2	35.5	37.3	38.2	36.7	34.1	33.0	31.4	29.4	30.0	
11	31.6	30.3	30.1	25.7	28.7	30.0	29.3	29.2	29.3	28.2	26.9	25.8	25.1	26.2	28.5	33.0	35.9	36.6	37.6	36.6	34.8	33.0	31.1	30.3	30.6	
12 Q	31.0	30.2	31.2	31.0	30.8	30.7	29.9	29.8	29.4	29.0	28.1	27.1	25.2	24.6	27.0	32.1	34.6	38.4	40.6	38.4	35.6	33.7	31.9	28.5	31.2	
13 Q	30.7	30.7	31.5	31.5	31.9	33.9	32.3	31.0	30.0	28.4	26.7	25.1	24.1	25.5	30.2	34.9	37.9	39.1	38.2	36.6	34.1	31.2	29.4	28.2	31.4	
14 D	30.6	31.0	30.4	30.0	28.4	24.6	28.0	22.8	23.3	15.0	20.8	20.9	20.0	22.1	27.6	35.1	38.9	40.2	40.1	38.7	37.8	35.2	32.8	32.0	29.4	
15	31.7	31.5	30.2	22.5	25.1	23.7	26.8	30.0	30.4	28.0	26.8	25.1	24.1	25.0	28.2	30.3	34.9	37.3	38.0	38.2	37.6	36.4	34.6	32.7	30.4	
16	31.9	31.9	31.1	30.5	28.8	30.5	31.0	31.0	32.4	29.0	25.2	25.1	26.3	26.4	27.8	29.3	33.3	35.7	37.6	39.3	37.6	37.1	35.1	32.8	31.5	
17	31.6	27.1	30.3	27.2	30.0	31.1	30.7	31.1	32.4	31.5	27.6	27.5	23.9	23.0	25.2	28.8	33.6	35.8	37.1	37.2	35.5	35.1	33.7	32.0	30.7	
18	31.6	26.0	31.0	30.2	30.0	30.6	30.2	29.6	28.8	28.2	30.3	25.7	22.9	23.4	26.4	29.5	32.8	34.3	34.5	34.9	34.8	32.8	31.0	32.0	30.0	
19	31.0	30.8	30.1	29.3	30.3	30.2	30.4	28.2	31.7	27.6	27.0	26.4	24.8	24.3	25.0	29.1	32.8	35.3	38.2	39.1	38.9	37.3	35.6	33.6	31.1	
20	32.5	31.9	31.2	31.0	30.7	29.9	27.9	26.6	26.5	27.4	27.0	25.7	23.9	23.7	23.5	27.0	32.2	37.3	38.1	34.3	33.9	33.0	33.0	31.1	30.0	
21	30.6	26.4	10.9	27.3	30.3	31.0	30.1	30.2	29.4	28.4	27.6	24.9	23.0	23.7	26.0	31.6	34.0	34.6	34.9	36.1	35.7	32.8	31.6	30.0	29.2	
22	29.8	29.3	29.3	28.8	30.3	31.0	31.4	39.2	27.5	26.4	25.9	24.2	25.0	26.6	29.4	32.5	36.9	37.6	38.1	38.2	34.8	35.1	33.0	30.6	31.2	
23	27.0	27.3	30.0	28.4	29.2	30.7	31.9	31.3	30.9	29.1	28.3	27.3	26.4	26.5	27.9	31.0	35.1	35.7	37.3	36.1	33.0	33.7	33.0	32.0	30.8	
24	31.6	30.9	30.2	30.0	27.2	30.0	29.6	30.8	30.2	28.5	26.7	26.0	24.6	24.8	29.9	34.4	38.5	37.3	37.1	37.4	34.9	32.5	30.8	26.6	30.9	
25	28.0	31.0	31.2	31.7	31.0	31.0	30.7	30.2	29.4	29.5	26.9	25.0	25.1	27.3	28.4	33.0	35.8	36.7	36.3	35.7	33.8	31.8	30.3	29.4	30.8	
26 Q	31.1	31.6	31.7	31.7	31.2	30.8	30.3	29.7	28.9	28.0	25.2	24.0	24.6	26.4	29.4	31.9	36.0	36.3	36.0	35.5	33.0	31.1	30.2	29.5	30.6	
27 D	30.1	30.7	31.0	31.0	31.0	27.5	27.5	26.7	25.5	23.9	25.3	20.5	19.8	22.1	31.3	35.5	37.5	35.5	32.0	39.3	37.1	35.5	34.4	28.4	30.8	
28 D	31.6	31.8	31.2	30.0	24.1	23.0	17.3	35.1	29.8	34.9	28.5	23.4	22.9	26.8	29.4	32.6	35.7	37.5	36.7	36.4	34.5	31.9	31.0	29.9	30.2	
29	31.1	30.8	30.2	31.8	32.1	34.3	30.6	29.3	30.2	29.1	26.0	25.9	27.3	28.8	30.2	33.7	35.6	37.6	37.6	36.4	35.5	33.0	31.4	30.9	31.7	
30	30.3	27.6	26.8	30.0	30.7	31.5	31.3	31.5	32.0	31.3	25.5	24.3	25.0	26.4	29.6	36.0	38.4	38.5	38.2	37.5	34.3	31.0	30.0	30.1	31.1	
31 Q	30.1	31.0	31.7	31.4	31.1	31.7	31.0	30.2	32.8	27.8	23.7	21.9	22.8	23.6	26.0	32.1	36.3	38.3	39.2	39.1	36.7	34.6	31.9	30.2	31.0	
Mean	31.2	29.2	29.6	29.3	29.5	29.3	29.3	30.0	29.1	28.0	27.0	25.2	24.6	25.3	27.9	31.9	35.2	37.1	37.5	36.9	35.5	34.0	32.5	31.1	30.7	

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 19 Agincourt

z = 56,000 γ +

May 1942

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	464	466	476	463	453	439	439	371	437	462	463	462	456	446	445	445	446	447	449	452	455	457	459	462	450
2	460	459	459	455	457	439	464	459	417	423	408	402	413	422	434	440	449	453	459	472	479	489	506	504	451
3	493	498	490	480	462	433	437	455	458	460	461	460	461	458	456	452	451	451	450	455	460	464	470	469	462
4 D	465	461	462	466	467	462	460	455	453	460	460	459	457	456	450	447	454	455	466	498	521	563	573	545	476
5 D	567	521	489	470	452	440	450	443	453	451	442	457	472	476	474	474	473	472	472	471	472	477	480	484	472
6	490	493	489	477	484	457	455	455	449	451	452	451	455	456	456	450	450	453	454	459	457	456	459	460	461
7	461	460	460	460	460	461	453	450	456	456	460	460	459	456	455	442	442	443	446	452	456	457	461	461	455
8	457	457	457	452	452	456	457	457	455	455	455	455	450	448	446	439	433	434	441	446	454	455	455	452	450
9 Q	449	449	449	448	447	447	446	447	447	447	449	449	448	446	446	446	447	446	449	451	455	459	460	457	449
10	459	457	457	452	451	455	455	455	455	455	458	456	456	456	449	440	437	443	449	455	456	455	460	462	453
11	457	457	455	453	455	453	453	453	451	452	452	452	449	447	449	446	445	452	459	464	468	468	468	462	455
12 Q	459	455	453	453	452	455	453	453	454	455	455	452	450	446	446	445	446	450	456	458	461	464	468	468	455
13 Q	464	461	458	457	456	452	449	455	456	457	457	457	458	455	450	452	452	452	459	462	461	460	458	457	456
14 D	456	458	456	455	455	439	315	340	367	386	446	467	472	462	457	450	456	460	460	464	463	460	460	460	440
15	459	458	461	453	424	434	433	425	432	456	460	459	450	449	447	447	450	452	453	460	470	474	470	464	452
16	457	455	452	450	446	449	451	449	447	446	450	449	449	446	439	427	433	443	454	458	466	467	465	466	450
17	461	460	457	455	455	455	455	455	452	453	458	459	458	457	456	455	456	449	453	463	466	467	470	468	458
18	468	467	461	462	459	457	454	457	457	459	459	453	450	452	453	451	456	446	444	451	452	464	468	462	457
19	461	459	460	458	456	455	448	438	448	454	458	457	453	450	444	447	444	441	444	448	455	461	462	459	453
20	456	456	454	453	454	450	450	441	443	454	456	453	454	448	438	427	415	420	426	438	448	460	471	469	447
21	461	460	436	444	454	453	452	451	452	452	453	451	450	446	444	442	442	442	444	447	450	456	460	462	450
22	461	458	458	452	454	452	438	371	386	441	455	458	455	447	444	441	445	447	455	472	506	493	477	474	452
23	468	461	457	451	448	449	447	449	451	451	454	453	449	445	440	442	445	449	452	461	471	472	472	466	454
24	463	461	461	457	448	441	450	457	457	459	461	456	451	449	449	448	453	457	457	463	467	475	472	474	458
25	468	463	457	455	454	454	454	455	455	457	457	455	451	442	438	442	447	451	457	458	459	459	458	457	454
26 Q	455	454	454	454	452	454	454	454	454	455	454	454	452	451	445	441	436	436	442	449	457	455	457	457	451
27 D	455	455	453	453	453	450	452	452	450	449	440	435	432	433	437	432	432	445	464	488	498	509	408	496	457
28 D	473	469	463	439	418	359	338	318	398	439	442	448	448	450	456	456	459	458	460	470	473	472	475	477	440
29	468	467	466	458	430	420	446	456	455	458	458	453	451	446	441	441	440	442	450	458	460	459	458	458	452
30	459	455	453	455	455	453	453	440	449	446	452	449	448	448	443	449	455	452	458	463	469	474	474	477	455
31 Q	475	470	465	463	461	459	457	457	452	451	457	459	457	455	452	453	447	447	448	455	461	462	465	464	458
Mean	467	464	461	457	453	446	443	438	443	450	453	453	452	450	448	445	447	448	453	460	466	470	471	470	454

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Agincourt

May 1942

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	00 32	340	08 13	244	96	19 55	36.7	05 30	18.7	18.0	02 33	482	07 11	338	144
2	22 18	370	15 20	251	119	17 50	43.8	03 35	23.6	20.2	18 31	526	07 31	393	133
3	00 30	344	17 23	286	58	20 03	39.1	00 20	22.4	16.7	00 01	517	06 00	406	111
4 D	19 43	408	15 38	254	154	20 23	46.6	12 51	23.4	23.2	22 35	579	15 40	443	136
5 D	01 06	393	01 45	254	139	00 35	39.3	01 17	12.4	26.9	01 08	691	05 52	421	270
6	05 35	339	15 00	277	62	04 08	36.5	05 26	19.1	17.4	00 55	495	05 45	431	64
7	20 24	341	15 00	293	48	17 05	37.7	10 05	25.9	11.8	05 35	464	16 35	439	25
8	21 58	346	14 57	308	38	19 45	35.5	12 45	22.1	13.4	02 55	459	17 05	430	29
9 Q	04 00	336	14 12	310	26	16 58	33.9	12 07	25.0	08.9	22 10	462	15 40	443	19
10	23 30	378	15 20	287	91	18 45	38.7	03 00	20.0	18.7	23 30	469	16 55	437	32
11	00 12	352	15 05	288	64	18 13	38.1	03 45	21.1	17.0	21 45	469	16 20	442	27
12 Q	20 03	350	15 00	286	64	18 54	40.8	13 56	22.7	18.1	23 10	470	13 53	440	30
13 Q	20 05	344	15 00	273	71	17 35	39.5	12 28	23.5	16.0	00 01	466	06 05	445	21
14 D	03 39	369	06 52	167	202	18 00	40.9	09 25	10.9	30.0	11 50	473	06 33	275	198
15	20 55	333	15 50	267	66	19 15	39.1	04 10	17.3	21.8	20 51	481	04 55	415	66
16	20 05	346	16 30	295	51	19 35	40.9	11 10	23.8	17.1	20 10	469	15 20	427	42
17	19 50	341	16 14	303	38	19 04	38.5	13 25	22.6	15.9	23 20	473	18 00	446	27
18	19 40	343	15 35	285	58	20 15	35.5	12 45	21.8	13.7	01 30	475	07 54	440	35
19	21 16	340	16 04	293	47	09 09	39.4	12 55	23.6	15.8	22 25	464	07 25	436	28
20	22 11	386	15 15	294	92	18 05	39.4	14 25	22.7	16.7	22 05	475	16 15	413	62
21	21 51	351	14 43	287	64	19 55	36.8	02 20	00.8	36.0	01 55	468	02 35	416	52
22	20 35	385	15 50	280	105	07 30	42.5	08 48	23.3	19.2	20 35	523	08 08	331	192
23	20 54	367	15 03	289	78	18 22	38.2	00 50	18.2	20.0	20 55	478	15 20	435	43
24	21 29	355	15 15	286	69	16 24	39.3	23 45	23.2	16.1	23 35	483	05 30	441	42
25	20 31	343	14 50	277	66	17 13	37.1	11 40	23.3	13.8	00 15	470	14 45	436	34
26 Q	20 00	342	15 00	295	47	16 55	36.7	11 50	23.3	13.4	21 00	458	17 05	434	24
27 D	21 14	384	14 00	288	96	17 32	47.3	11 45	17.5	29.8	22 05	512	11 20	425	87
28 D	21 47	345	07 10	212	133	07 32	43.0	05 15	04.0	39.0	23 15	481	07 13	244	237
29	19 57	355	14 30	289	66	18 52	38.3	10 50	25.3	13.0	00 01	471	05 05	413	58
30	21 40	345	14 48	278	67	16 45	39.2	02 11	22.0	17.2	23 55	478	07 25	434	44
31 Q	21 50	341	15 25	285	56	18 58	40.0	11 35	21.3	18.7	00 01	477	09 06	443	34
Mean		355		277	78		39.3		20.2	19.1		489		413	76
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 1942

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	326	325	326	326	328	329	328	325	322	321	324	324	316	308	298	293	302	306	326	332	342	347	344	339	323	
2 Q	333	334	334	331	327	331	330	331	332	333	334	336	333	328	325	316	321	327	329	336	340	337	334	335	331	
3	336	336	335	338	338	340	342	343	340	345	350	358	337	321	316	301	325	340	351	351	344	343	319	322	336	
4	322	316	318	319	316	315	315	316	318	319	322	323	321	317	313	310	313	330	344	342	336	347	345	333	324	
5	327	322	328	325	329	329	329	321	319	315	317	321	318	309	311	313	325	336	349	354	358	354	348	339	329	
6	326	327	328	326	325	323	321	323	329	328	319	319	309	303	292	293	309	321	333	339	334	334	336	332	322	
7 Q	333	334	336	331	333	324	318	315	315	309	311	313	309	305	299	297	308	321	329	334	342	344	334	332	322	
8	337	338	343	336	333	329	334	335	335	335	337	336	321	306	309	316	319	326	333	337	333	336	333	329	330	
9 Q	331	331	331	328	329	327	326	325	324	324	326	323	316	313	313	315	318	322	326	330	336	336	336	335	326	
10 Q	333	332	331	333	330	330	329	330	330	330	334	334	328	315	306	302	306	310	325	341	347	343	341	345	329	
11 D	357	351	346	335	335	332	338	327	343	343	338	330	335	301	294	303	307	328	343	337	347	339	335	320	332	
12	302	294	300	304	323	322	323	302	307	300	286	297	299	296	289	280	280	300	323	328	344	326	302	287	305	
13 D	287	303	306	312	320	320	319	314	310	310	318	332	322	305	292	287	271	300	321	348	315	338	343	340	314	
14	316	305	307	315	315	320	315	325	317	313	312	315	305	271	284	280	287	302	317	331	338	345	323	325	312	
15	324	324	319	312	312	318	324	322	317	314	314	308	305	303	292	280	291	304	312	322	327	324	316	323	312	
16	329	323	321	316	315	318	312	317	322	315	312	314	308	295	291	291	318	340	344	337	346	338	332	327	320	
17	333	332	328	327	308	304	321	332	327	318	315	320	315	307	317	311	317	320	333	354	348	340	331	333	325	
18	320	307	312	313	318	327	328	320	324	313	323	315	308	295	298	310	317	327	327	327	331	327	330	330	319	
19 D	336	325	323	327	327	330	328	337	330	330	334	320	300	295	301	283	293	297	322	345	348	332	328	325	322	
20	330	322	312	316	315	306	314	325	317	315	311	309	314	319	309	310	326	327	330	327	326	325	324	324	319	
21	322	316	310	309	312	317	312	317	320	320	316	316	312	311	305	299	303	314	324	327	330	327	320	321	316	
22 Q	323	325	326	322	321	324	327	329	328	322	323	323	319	319	317	319	319	322	327	330	332	338	339	335	325	
23	338	339	343	344	344	344	339	335	340	335	335	333	338	328	318	302	306	323	338	334	352	340	342	337	334	
24	328	305	298	304	311	317	321	318	312	313	316	311	312	304	292	295	298	314	331	344	348	349	352	331	318	
25	324	306	294	285	301	306	309	314	317	317	318	316	307	296	285	292	307	325	336	344	352	338	328	316	314	
26	321	326	326	322	314	308	318	318	314	314	314	314	311	301	299	310	313	324	331	338	338	337	332	333	320	
27	331	329	326	326	330	320	323	321	321	323	321	319	311	306	296	296	311	331	344	349	344	339	330	329	324	
28	331	334	329	327	318	319	327	325	319	318	326	327	316	299	283	291	285	311	327	333	346	352	336	343	322	
29 D	323	307	302	303	308	311	307	316	316	310	316	311	303	298	304	301	312	325	316	340	344	346	347	337	317	
30 D	313	311	311	310	288	292	286	302	311	313	316	308	301	292	288	288	294	302	309	323	328	332	319	323	307	
31																										
Mean	326	323	322	321	321	321	322	323	323	321	321	321	315	306	301	299	306	319	330	337	340	339	331	329	322	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt

D = 7° W + . . . ' .

June 1942

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	30.0	30.8	31.0	31.0	30.1	30.0	28.7	27.6	26.6	24.3	21.2	20.5	22.0	24.2	29.3	33.7	37.6	38.4	38.2	36.4	33.9	32.0	31.0	29.9	
2 Q	31.0	31.0	30.5	29.5	29.2	29.1	29.0	29.2	28.3	27.0	25.8	24.5	23.8	24.1	27.0	29.8	32.0	33.8	33.8	33.6	33.7	33.8	33.0	31.8	29.8	
3	30.7	30.7	31.0	30.6	29.8	29.8	29.0	28.7	29.6	29.6	24.7	18.7	21.0	23.6	29.8	29.5	34.8	37.0	40.0	38.1	36.7	34.9	34.0	32.6	30.6	
4	29.4	29.1	31.0	31.0	30.3	30.6	31.7	32.0	30.5	30.9	27.2	25.5	24.6	24.4	27.7	31.2	34.7	36.1	36.4	36.4	34.6	32.0	31.7	32.4	30.9	
5	30.0	31.0	30.3	30.2	30.0	29.4	29.8	30.3	27.5	23.5	21.5	21.5	21.8	24.6	26.8	30.6	35.1	36.6	35.7	34.7	33.7	32.9	32.1	31.6	29.6	
6	30.5	31.0	31.4	30.0	30.0	29.8	27.7	28.6	27.5	25.0	26.1	25.5	24.0	24.6	25.4	29.3	33.9	35.6	36.8	35.7	34.8	33.7	32.1	31.9	30.0	
7 Q	31.2	31.5	31.2	29.1	30.2	28.5	25.8	28.2	28.4	27.2	25.0	23.9	23.4	24.2	27.6	32.3	36.6	39.9	40.2	37.7	34.9	33.0	31.3	31.1	30.5	
8	30.5	28.0	25.5	30.8	30.6	30.5	29.3	28.6	27.9	27.7	26.2	24.4	24.3	27.2	31.2	34.0	34.6	36.3	36.6	36.1	34.9	32.1	31.2	30.7	30.4	
9 Q	30.8	31.0	31.1	31.2	31.0	30.8	30.0	31.0	30.3	28.5	26.0	23.7	24.1	24.8	26.9	29.0	32.0	34.8	36.3	36.4	35.8	34.1	32.1	30.6	30.5	
10 Q	31.0	31.0	31.1	30.8	31.0	30.9	30.2	28.9	28.2	27.0	24.5	22.6	21.4	22.8	26.0	29.2	34.6	36.4	37.3	36.6	34.9	33.4	31.7	30.9	30.1	
11 D	30.8	31.1	29.3	27.1	28.0	30.0	31.0	24.1	22.9	19.6	19.1	17.2	19.1	18.9	25.9	33.7	35.7	46.4	45.5	45.5	45.5	38.5	36.4	34.1	32.8	30.1
12	26.6	26.3	30.4	31.3	32.3	32.8	31.0	26.6	30.2	28.2	30.0	28.5	24.3	23.1	26.4	29.4	36.3	38.7	40.2	38.5	35.7	33.5	31.7	30.6	31.0	
13 D	29.8	18.1	22.9	28.8	30.6	33.4	29.8	29.8	28.8	30.8	28.6	23.9	22.8	23.7	25.8	26.7	33.0	38.9	37.1	37.3	39.1	35.4	30.3	30.2	29.8	
14	31.8	31.1	27.9	27.8	31.5	31.5	38.1	30.4	33.0	33.7	31.3	26.7	26.0	29.2	28.2	31.0	34.0	36.1	38.8	39.2	36.4	33.0	32.1	31.1	32.0	
15	29.4	27.7	26.7	26.8	29.5	30.0	37.3	32.8	31.8	29.4	26.7	26.9	25.5	24.3	26.9	32.6	36.4	38.0	38.3	38.0	36.6	34.8	32.8	30.9	31.2	
16	28.3	29.0	29.2	28.7	28.9	27.2	30.0	31.3	32.3	28.5	24.5	22.0	23.1	26.2	31.2	32.8	32.1	33.7	37.0	36.1	32.8	32.3	31.5	31.6	30.0	
17	30.7	30.5	29.6	28.7	24.1	24.5	31.2	30.7	31.3	29.3	23.9	25.9	25.5	27.8	29.2	33.0	35.1	35.2	34.8	35.5	35.0	34.0	34.0	30.6	30.4	
18	28.6	25.1	26.6	28.2	28.5	31.0	31.5	29.7	31.6	34.1	27.6	24.0	24.0	24.1	27.5	30.0	31.9	33.4	33.3	33.5	33.8	33.9	32.8	32.6	29.9	
19 D	30.6	30.5	31.1	30.6	30.7	29.8	29.3	27.3	27.3	26.7	24.6	23.4	21.6	26.2	30.5	32.3	32.1	36.4	36.4	35.0	33.0	34.6	32.4	32.1	30.2	
20	30.5	29.6	26.9	20.3	17.9	24.7	29.1	29.8	31.5	29.9	26.8	24.8	24.1	24.0	24.9	26.8	30.5	31.0	31.5	32.0	31.9	32.3	32.9	31.5	28.1	
21	29.9	27.5	28.1	27.6	23.9	23.3	27.6	29.2	30.0	29.6	28.6	26.7	24.8	23.9	24.8	28.0	30.0	32.7	34.3	34.7	34.6	34.1	33.8	32.8	29.1	
22 Q	32.1	31.9	31.0	30.0	29.1	30.2	31.0	31.9	29.9	29.4	28.9	26.1	25.0	25.0	26.4	27.8	32.9	37.1	37.5	37.0	35.3	33.0	32.5	32.5	31.0	
23	32.0	32.4	31.7	31.2	30.4	29.0	27.7	27.6	28.0	26.1	24.1	21.7	19.4	21.5	24.1	28.2	30.0	33.9	39.1	39.8	36.7	35.3	33.0	31.0	29.8	
24	28.2	26.6	25.9	28.2	30.3	31.2	30.4	30.3	29.5	26.0	23.9	22.8	22.9	24.8	29.1	33.9	35.7	38.3	38.6	37.1	35.5	33.7	31.2	29.6	30.1	
25	30.8	31.1	27.0	27.5	29.4	25.7	28.7	30.3	28.7	27.3	26.0	25.0	24.8	25.5	28.7	34.1	38.2	38.2	38.0	36.1	34.8	34.1	32.5	32.8	30.6	
26	32.1	31.0	29.2	29.6	25.6	28.6	30.0	29.2	28.1	27.2	24.2	23.1	23.2	25.1	29.3	33.1	36.1	37.5	37.9	35.4	33.6	32.6	31.5	30.7	30.1	
27	31.2	32.4	32.0	31.2	27.1	29.0	30.0	29.7	29.3	27.5	26.4	24.6	23.1	24.7	28.2	34.3	36.8	37.7	38.2	37.2	35.0	33.1	32.4	31.8	31.0	
28	31.2	31.2	31.0	30.0	27.9	27.8	30.5	30.5	32.7	26.7	21.3	20.2	21.0	23.5	26.6	33.6	40.9	39.9	38.9	39.1	36.5	33.9	34.5	31.9	30.9	
29 D	29.8	26.3	27.6	27.6	29.2	25.3	27.4	30.2	27.2	22.9	22.7	20.9	20.9	21.5	22.9	28.3	31.2	34.5	37.7	39.1	38.1	35.0	34.0	33.6	29.0	
30 D	28.4	28.4	26.8	32.3	28.3	21.8	19.2	22.9	28.6	27.9	22.9	21.6	22.2	23.3	28.4	33.1	33.1	35.5	37.0	36.9	36.6	35.4	34.0	30.4	29.0	
31																										
Mean	30.2	29.5	29.2	29.3	29.0	29.0	29.8	29.3	29.3	27.8	25.5	23.6	23.1	24.3	27.2	30.9	34.1	36.6	37.4	36.9	35.3	33.8	32.5	31.5	30.2	

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

Table 23 Agincourt

Z = 56,000 γ +

June 1942

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	462	460	459	456	459	456	450	450	456	456	456	453	453	450	450	453	447	443	445	449	454	456	456	456	456	453	
2 Q	451	452	450	449	451	450	450	450	450	452	453	451	451	452	446	444	437	434	434	436	441	450	450	451	448	448	
3	452	452	453	452	451	449	450	450	446	445	438	439	438	441	443	443	441	440	449	453	456	461	464	465	449	449	
4	464	461	461	458	457	454	454	454	454	455	457	457	455	454	451	448	442	442	448	450	454	455	455	455	455	454	
5	461	461	462	461	461	457	455	447	438	438	449	450	450	442	441	445	445	436	441	446	448	450	450	451	450	450	
6	451	451	449	438	440	439	440	442	450	448	442	439	439	434	435	436	441	442	445	445	452	457	458	459	445	445	
7 Q	457	457	454	448	439	437	444	448	447	449	451	451	451	448	448	439	439	446	451	451	453	459	459	459	450	450	
8	459	460	451	454	459	458	459	459	460	460	458	454	450	454	457	456	454	455	458	461	461	463	461	457	457	457	
9 Q	456	455	455	455	454	453	452	452	450	452	455	455	452	449	446	440	443	443	443	449	455	459	461	461	452	452	
10 Q	458	455	453	453	452	452	453	453	452	455	455	453	452	449	442	443	440	438	445	449	455	455	456	456	451	451	
11 D	455	451	452	452	451	451	420	426	446	452	450	445	443	437	437	436	448	452	464	484	508	498	494	499	456	456	
12	499	485	478	473	438	422	422	434	439	432	427	440	443	438	438	440	441	456	465	459	461	463	463	462	451	451	
13 D	463	461	459	459	455	448	448	443	444	452	449	459	459	459	446	452	456	458	479	486	485	493	485	461	461	461	
14	483	477	473	467	425	412	402	433	446	452	453	461	459	453	460	450	454	459	462	467	465	469	465	462	454	454	
15	460	456	447	443	446	440	424	424	433	446	454	452	448	454	459	456	450	449	449	449	453	455	462	465	449	449	
16	462	461	456	456	452	444	449	454	448	452	454	456	456	451	446	444	444	443	440	434	436	449	460	462	450	450	
17	459	457	459	458	452	449	445	433	421	414	432	450	456	452	452	457	453	447	456	453	453	459	459	462	449	449	
18	466	471	459	463	458	448	442	448	447	440	448	455	457	454	452	453	453	453	453	453	459	461	461	460	455	455	
19 D	463	464	464	464	463	463	462	462	462	461	460	458	456	455	445	437	444	473	473	461	473	480	490	478	463	463	
20	468	463	460	449	434	444	444	443	422	425	438	444	453	455	451	453	453	448	448	448	454	456	458	461	449	449	
21	464	463	458	457	441	431	445	454	457	457	456	456	454	454	454	451	447	448	447	450	454	457	460	462	453	453	
22 Q	459	458	458	458	459	458	457	448	445	452	453	454	459	460	459	459	459	459	453	454	455	459	462	463	457	457	
23	465	464	460	458	458	455	452	454	455	456	456	452	448	443	440	439	442	449	454	464	472	476	472	470	456	456	
24	481	469	461	470	469	465	466	458	448	458	461	459	455	455	454	452	454	456	455	462	464	466	471	476	462	462	
25	481	483	479	469	464	465	470	469	469	467	466	464	462	457	455	454	459	461	462	464	469	462	464	464	466	466	
26	462	462	462	456	455	455	461	461	459	459	459	460	455	446	446	451	449	446	448	446	451	458	459	462	455	455	
27	458	456	458	454	434	440	449	451	452	452	454	448	446	446	446	447	448	441	450	455	458	460	461	458	451	451	
28	457	456	456	458	455	452	453	440	411	436	447	447	449	447	442	441	435	447	469	473	478	482	478	485	454	454	
29 D	493	500	497	472	442	447	436	446	444	460	465	461	455	450	450	450	449	447	455	465	467	462	460	466	460	460	
30 D	481	477	476	407	359	391	404	445	460	463	459	459	459	459	456	444	446	452	455	462	465	473	474	475	450	450	
31																											
Mean	465	463	461	456	447	446	445	448	447	450	452	453	452	450	449	447	447	449	453	456	460	463	464	465	454	454	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt

June 1942

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	40	348	15	00	292	56	18	27	39.1	12	00	19.9	19.2	00	05	463	17	25	438	25	
2 Q	20	29	342	14	40	313	29	20	52	33.8	12	50	23.0	10.8	10	20	457	17	10	433	24	
3	11	26	364	15	42	300	64	18	20	41.2	11	45	16.6	24.6	23	05	465	10	27	432	33	
4	21	47	354	01	25	310	44	18	30	37.3	13	15	23.9	13.4	00	15	464	17	20	439	25	
5	20	21	361	15	06	309	52	17	52	36.7	11	12	19.9	16.8	02	20	464	08	55	438	26	
6	19	25	341	14	40	288	53	18	20	36.8	10	05	23.3	13.5	22	35	461	03	45	432	29	
7 Q	21	00	349	15	30	296	53	18	18	40.3	12	22	22.5	17.8	21	00	461	05	10	437	24	
8	02	25	345	13	51	305	40	18	20	36.8	02	10	21.5	15.3	22	00	463	13	50	449	14	
9 Q	21	25	343	15	01	310	33	19	24	37.0	11	25	22.7	14.3	23	10	461	15	25	439	22	
10 Q	20	32	349	15	30	297	52	18	55	37.9	12	25	21.4	16.5	00	01	549	17	30	436	113	
11 D	18	36	363	14	32	268	95	18	03	50.1	13	04	11.4	38.7	20	35	514	06	40	403	111	
12	20	20	358	16	25	271	87	18	06	41.6	01	02	18.3	23.3	00	08	499	10	05	421	78	
13 D	23	07	375	16	31	261	114	20	23	41.1	01	44	11.3	29.8	22	50	493	08	20	441	52	
14	21	27	354	13	30	256	98	06	25	44.9	12	32	23.5	21.4	00	25	483	06	12	384	99	
15	21	11	330	15	25	278	52	06	24	42.8	13	10	24.0	18.8	23	59	466	06	40	415	51	
16	18	47	352	13	55	281	71	18	52	40.8	11	20	21.5	19.3	00	01	467	19	40	430	37	
17	19	33	358	04	58	297	61	19	22	36.7	10	20	20.9	15.8	23	45	467	09	53	408	59	
18	00	01	337	13	54	295	42	09	23	38.6	01	58	21.5	17.1	01	33	474	07	00	442	32	
19 D	20	43	349	15	47	273	76	17	17	41.6	12	20	19.6	22.0	22	25	492	14	53	437	55	
20	21	13	332	03	28	297	35	08	53	38.1	03	52	10.6	27.5	00	01	468	08	55	401	67	
21	21	00	330	15	00	299	31	19	20	34.7	05	19	17.8	16.9	02	30	464	05	00	426	38	
22 Q	21	50	343	13	00	312	31	18	10	37.7	13	00	24.3	13.4	23	45	463	08	10	444	19	
23	20	36	361	15	45	293	68	19	05	41.7	12	10	18.2	23.5	21	30	479	15	00	434	45	
24	22	32	358	14	14	286	72	18	33	39.3	12	50	22.2	17.1	00	40	485	08	07	445	40	
25	20	21	357	03	30	276	81	16	44	39.7	05	30	23.0	16.7	02	33	487	13	35	454	33	
26	21	00	347	14	12	295	52	18	08	39.1	11	40	22.6	16.5	00	10	464	14	15	443	21	
27	19	55	352	14	52	290	62	18	35	38.5	12	50	22.6	15.9	21	30	462	04	40	425	37	
28	21	26	375	14	45	263	112	16	51	44.3	11	15	18.7	25.6	23	59	498	08	30	404	94	
29 D	22	22	374	13	35	290	84	19	05	42.1	05	25	19.7	22.4	02	10	512	04	47	415	97	
30 D	03	03	349	04	31	263	86	03	55	42.0	03	09	08.6	33.4	00	25	488	04	53	319	169	
31																						
Mean			352			289	63			39.7			19.8	19.9			478			426	52	
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 1942

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	327	321	326	323	329	296	323	303	301	315	303	316	311	297	291	293	303	306	304	317	334	324	319	323	313
2 Q	327	324	325	322	323	319	322	321	324	321	319	318	318	315	310	302	306	316	323	327	329	332	329	326	321
3 Q	326	324	324	321	323	321	326	321	321	319	321	324	324	316	306	305	299	307	319	328	332	332	333	331	321
4 Q	327	324	322	321	321	323	323	321	321	320	321	321	314	303	299	301	309	324	338	346	349	342	332	324	323
5 Q	327	331	333	334	333	333	332	329	329	329	329	324	316	318	322	318	327	339	345	345	350	339	340	339	332
6	336	329	331	334	326	326	328	328	333	331	333	333	327	322	316	306	307	329	342	348	350	352	342	331	331
7	318	326	329	326	321	322	322	325	326	321	322	322	317	308	309	311	314	324	328	333	347	348	334	338	325
8 D	341	323	308	324	330	313	320	298	279	275	259	281	281	287	272	280	290	298	300	303	317	333	330	341	303
9	323	305	301	315	312	315	313	311	310	308	310	315	306	298	292	287	281	290	300	315	334	338	313	315	308
10	305	303	308	306	310	310	307	310	310	308	313	312	300	290	284	273	283	305	317	322	332	321	332	355	309
11 D	353	317	305	320	316	269	208	218	251	239	223	260	277	242	224	247	292	301	310	313	323	336	315	331	283
12	320	321	315	310	290	276	308	319	317	292	274	279	296	290	282	287	293	307	310	317	308	323	320	317	303
13	313	318	321	326	318	313	317	321	313	316	316	311	306	298	290	279	293	313	337	341	337	327	327	318	315
14	320	316	309	312	316	318	313	313	322	320	318	321	316	303	279	283	300	316	325	332	328	336	341	331	316
15 D	323	318	318	300	322	295	294	302	299	315	325	326	307	295	280	287	291	313	346	366	384	343	339	324	317
16	310	295	295	295	323	300	307	313	298	301	313	305	303	305	303	299	300	295	305	316	341	346	346	325	310
17	310	317	308	307	306	313	308	308	322	313	305	289	305	298	282	286	295	316	331	338	333	327	328	323	311
18	314	305	313	317	315	315	322	328	319	318	312	305	306	305	295	286	297	313	328	337	336	329	324	323	315
19 Q	323	318	321	318	320	321	317	322	323	324	322	317	313	306	308	318	317	323	331	338	336	336	329	327	322
20 D	321	328	328	330	326	333	317	333	346	332	310	300	310	290	284	290	303	313	318	336	322	346	333	322	320
21	305	314	303	305	317	307	305	306	300	303	310	307	303	293	292	293	310	319	326	330	323	322	321	323	310
22	325	324	325	321	317	321	320	321	321	318	311	310	310	302	303	298	301	314	323	330	331	336	333	330	319
23	318	318	320	321	317	319	320	315	313	316	320	321	315	306	307	300	300	299	312	322	333	320	326	336	317
24	329	321	326	322	304	303	315	323	321	321	320	320	318	305	288	289	310	315	336	344	348	344	340	325	320
25	305	300	301	281	284	280	310	300	293	300	290	285	292	286	303	297	305	318	329	327	326	336	346	313	304
26	314	312	314	313	316	317	316	322	315	316	318	316	305	300	295	301	305	323	336	341	347	364	318	342	319
27 D	336	310	313	323	318	307	282	322	318	310	310	295	291	305	300	287	286	300	313	340	348	347	361	331	315
28	307	314	322	315	300	310	320	310	316	308	300	316	313	296	286	289	287	303	313	332	326	342	329	330	312
29	328	320	317	319	320	324	309	312	311	306	315	317	309	295	290	327	326	302	314	323	323	333	338	335	317
30	310	320	329	330	317	317	322	326	309	308	311	323	312	295	295	313	341	284	294	314	337	337	335	329	317
31	319	329	326	331	329	331	331	327	325	323	325	325	313	299	292	292	316	322	324	320	324	332	334	329	322
Mean	321	317	317	317	317	312	312	314	313	311	308	310	307	299	293	294	302	311	322	330	335	336	331	328	315

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

D = 7° W + . . . '

July 1942

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	30.9	30.5	29.3	26.4	27.6	34.7	29.6	24.8	37.8	32.6	36.7	30.8	25.8	24.0	27.0	28.8	29.3	31.0	34.9	35.7	35.0	35.4	34.0	32.8	31.0
2 Q	32.0	31.1	31.0	30.1	27.0	29.6	30.1	31.1	31.8	29.5	28.1	27.2	25.8	25.9	27.4	30.0	33.6	36.9	37.8	37.0	37.1	34.2	34.0	32.4	31.3
3 Q	31.7	30.5	29.6	31.3	31.2	30.5	29.0	29.2	28.8	28.1	29.0	25.9	24.2	25.0	26.5	30.4	32.7	35.7	35.5	36.2	35.8	35.2	33.3	32.1	30.7
4 Q	31.2	31.4	31.2	31.3	31.4	31.5	31.2	31.2	30.6	30.5	27.2	26.0	25.7	26.8	28.1	31.5	35.4	38.1	38.5	36.3	34.1	32.7	32.0	32.1	31.5
5 Q	32.2	32.0	31.4	30.9	30.5	29.9	29.3	28.8	28.9	28.1	25.1	22.9	23.0	24.8	27.8	30.9	32.3	33.0	33.0	33.2	32.3	33.0	32.0	31.1	29.9
6	32.0	33.9	32.1	31.2	30.2	29.4	29.3	33.1	32.8	29.0	23.8	22.3	23.6	25.7	29.4	33.0	35.6	38.0	38.7	36.0	34.1	32.4	30.5	31.5	31.1
7	32.2	32.4	32.2	31.1	29.9	30.6	33.8	28.7	26.7	25.0	23.1	22.9	24.0	25.0	26.4	30.8	33.9	34.1	35.1	36.1	35.5	34.6	34.1	32.2	30.4
8 D	31.7	29.9	26.0	30.0	29.2	25.9	20.5	23.3	20.2	21.3	30.8	21.4	17.5	24.6	27.6	32.6	33.9	36.4	37.7	38.7	34.7	33.1	33.5	19.8	28.3
9	25.3	29.9	28.0	30.8	29.7	30.6	31.1	30.2	30.5	28.7	28.2	25.5	24.4	25.1	26.4	29.4	33.0	34.6	38.1	37.3	35.3	33.8	34.1	31.0	30.5
10	30.4	32.0	31.0	27.7	24.6	32.4	31.0	32.8	31.1	30.0	27.3	24.5	23.3	22.6	24.4	29.6	34.1	36.4	37.9	37.8	36.4	35.1	33.1	29.5	30.6
11 D	20.1	27.5	31.9	30.0	29.2	36.2	66.1	16.1	34.0	30.5	43.1	34.0	28.0	34.6	45.6	45.7	40.6	38.7	36.9	37.0	35.2	38.3	32.9	33.3	35.2
12	33.3	32.2	30.8	28.6	21.9	19.5	38.3	30.4	28.7	31.0	35.0	28.0	21.7	19.2	24.0	31.9	33.8	36.0	38.2	37.8	37.3	35.5	33.8	31.8	30.8
13	30.4	30.6	30.3	25.0	30.4	34.7	35.2	35.1	31.0	29.1	27.2	26.8	26.0	26.5	30.1	34.0	38.4	39.1	36.4	35.1	32.4	31.2	30.0	30.1	31.5
14	30.5	30.1	26.5	29.6	31.0	25.5	26.2	30.5	31.3	29.9	25.6	23.5	22.3	24.0	28.4	30.5	33.5	33.7	33.2	33.5	34.6	33.3	31.9	26.8	29.4
15 D	30.6	31.1	30.4	28.3	29.2	25.6	26.9	28.2	41.0	37.3	28.2	23.9	24.4	26.5	30.1	32.0	32.4	38.3	35.1	35.5	36.1	33.2	33.8	25.9	31.0
16	25.8	31.0	30.0	27.4	29.1	27.8	28.7	32.0	39.5	40.5	26.5	23.9	26.1	28.3	28.8	30.5	32.0	35.0	36.0	34.8	33.7	31.0	30.0	30.6	30.8
17	28.7	28.2	30.9	28.7	23.1	26.3	26.9	30.5	32.6	28.6	26.9	32.2	27.9	26.9	28.2	30.0	33.0	34.7	33.5	34.1	33.5	32.8	32.2	31.0	30.0
18	31.1	30.2	30.8	31.1	31.3	31.1	30.4	31.4	31.4	29.8	25.5	26.5	25.1	24.7	26.5	28.8	30.8	33.1	35.0	34.6	34.6	34.1	32.9	32.0	30.5
19 Q	31.6	32.1	28.1	31.3	31.9	31.0	31.0	30.6	30.0	29.2	29.0	29.2	28.1	26.4	29.6	32.3	35.0	36.4	39.0	37.3	35.0	33.1	32.2	31.5	31.7
20 D	32.6	32.0	31.4	30.8	30.8	31.0	30.6	29.2	20.7	20.6	24.0	24.8	26.6	28.2	30.8	32.0	32.9	35.9	36.0	35.0	37.9	34.6	32.0	31.2	30.5
21	15.3	13.2	25.9	26.5	20.4	22.4	27.9	32.1	36.1	34.6	27.8	24.9	23.8	23.9	27.2	30.5	33.2	34.1	35.0	36.0	36.8	36.0	35.5	33.9	28.9
22	33.1	29.9	32.0	29.6	29.0	31.1	30.8	32.4	29.2	29.0	27.3	27.1	28.3	28.2	28.7	30.4	32.9	35.1	36.4	37.1	36.1	34.7	32.8	32.3	31.4
23	27.9	32.8	32.9	31.4	30.5	30.2	30.0	29.6	28.7	29.2	27.9	26.1	25.7	26.4	28.1	26.6	30.1	31.8	34.6	34.7	36.2	36.9	34.6	32.4	30.7
24	32.5	32.3	30.4	24.9	25.6	26.8	29.7	30.5	30.0	28.3	27.1	25.5	24.7	24.7	28.1	32.8	36.2	37.8	38.3	37.9	36.9	36.9	36.8	36.9	31.3
25	34.6	26.9	29.9	24.8	20.9	26.9	32.6	22.8	28.9	29.5	22.6	22.8	24.9	26.8	29.1	32.9	37.3	37.9	39.1	43.3	38.2	33.5	31.0	29.6	30.2
26	33.7	31.9	32.5	32.8	31.8	28.8	30.0	29.9	28.5	27.4	26.2	24.6	23.8	25.7	28.8	33.8	36.6	37.4	37.5	37.4	36.4	36.1	37.2	33.2	31.8
27 D	35.3	33.7	30.5	25.9	35.9	31.1	35.7	37.8	29.5	31.0	27.4	26.1	26.1	27.4	27.3	32.9	38.0	39.6	39.4	40.3	38.1	35.0	25.5	28.0	32.4
28	31.9	29.4	28.9	28.7	36.4	36.2	29.9	29.8	30.0	29.5	32.7	27.9	26.2	25.9	29.3	32.8	35.5	39.6	39.7	37.9	34.8	33.5	32.0	31.1	32.0
29	17.2	20.4	25.0	30.7	29.1	28.5	32.0	34.8	32.7	30.2	26.8	25.0	22.9	23.7	26.6	30.8	33.9	37.3	40.1	40.3	38.1	34.6	32.4	29.6	30.1
30	31.7	31.7	31.0	28.4	30.1	32.5	34.3	33.2	34.0	32.4	31.4	24.6	23.4	25.1	25.6	29.5	34.0	38.1	40.8	40.7	38.1	36.0	33.5	32.8	32.2
31	29.6	23.7	32.1	31.7	33.5	31.1	27.7	29.8	30.8	32.3	28.5	25.4	25.1	25.5	28.2	30.4	33.0	34.5	37.3	38.2	36.7	35.0	34.0	31.7	31.0
Mean	29.9	29.8	30.1	29.2	29.1	29.7	31.4	30.0	30.9	29.8	28.2	25.9	24.8	25.7	28.4	31.5	34.0	36.1	36.9	36.9	35.7	34.3	32.8	31.0	30.9

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

Table 27 Agincourt

z = 56,000 γ +

July 1942

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	463	464	463	456	452	389	376	392	393	412	419	422	443	448	443	438	441	442	448	452	458	460	460	459	437	
2 Q	458	457	455	456	447	448	444	449	451	452	453	453	450	447	447	448	445	445	451	459	465	460	462	452		
3 Q	462	456	452	455	455	452	453	445	450	454	457	454	454	450	448	448	443	440	445	448	452	452	456	455	452	
4 Q	454	452	452	452	452	450	450	450	451	451	453	452	450	451	451	454	457	455	457	454	456	456	460	455	453	
5 Q	454	453	452	451	451	450	451	449	451	452	453	450	448	446	446	444	433	429	433	440	446	451	456	459	448	
6	459	457	455	452	452	447	448	448	431	437	443	445	446	445	339	435	436	441	445	447	449	451	457	461	447	
7	465	458	454	449	450	451	442	436	441	448	449	451	449	442	433	436	438	438	439	446	452	457	455	458	448	
8 D	467	480	464	470	464	416	408	396	367	358	367	423	447	452	453	451	449	460	466	475	491	499	489	496	446	
9	472	474	414	446	455	454	459	456	459	460	461	460	456	455	455	456	459	470	473	467	474	479	479	488	462	
10	479	468	461	453	433	426	440	452	458	461	462	458	454	454	453	451	450	453	459	466	467	463	459	472	456	
11 D	465	470	483	466	456	345	218	331	274	332	367	372	408	408	413	434	457	469	473	481	493	503	493	484	421	
12	474	474	477	474	473	450	444	460	473	457	423	427	443	452	447	442	441	451	455	461	466	466	463	466	457	
13	468	469	464	448	460	439	428	442	445	455	460	462	462	463	457	456	454	453	457	460	462	468	472	471	457	
14	466	465	462	460	454	434	432	448	442	424	452	453	455	456	450	440	441	445	450	457	467	475	481	486	454	
15 D	473	462	460	445	412	415	433	427	368	389	438	448	448	456	455	453	449	461	475	486	517	515	494	492	452	
16	474	475	462	462	427	424	435	440	419	409	421	439	447	448	445	446	454	460	464	467	479	486	486	485	452	
17	486	454	467	464	449	413	431	438	444	450	451	446	446	450	446	451	454	456	456	460	457	462	465	468	452	
18	467	466	464	462	461	460	451	431	427	444	450	457	456	450	445	447	445	444	448	450	452	455	457	458	453	
19 Q	461	459	455	451	455	455	455	456	456	456	456	448	439	441	442	441	442	443	448	445	449	454	457	457	451	
20 D	455	455	456	456	454	452	420	405	425	435	438	435	435	437	437	440	439	443	447	459	463	489	510	508	449	
21	489	449	456	466	426	445	452	449	445	437	451	455	456	459	453	449	457	453	451	455	461	463	468	469	455	
22	466	462	457	455	455	453	446	439	444	449	449	453	455	451	445	443	435	443	447	453	457	460	461	464	452	
23	466	462	459	457	455	455	433	427	446	454	455	456	456	451	447	439	443	443	449	455	467	464	463	463	453	
24	458	459	455	444	428	445	446	446	450	453	455	453	451	451	447	445	448	455	461	472	481	486	493	499	458	
25	513	469	445	449	419	409	384	408	420	441	431	423	443	443	451	446	447	455	462	475	497	486	487	492	450	
26	476	469	461	459	455	450	451	453	459	462	462	461	455	456	455	439	439	443	445	448	455	473	493	508	459	
27 D	538	511	462	419	385	393	358	417	456	456	458	449	449	455	453	447	456	460	470	483	500	494	498	485	456	
28	480	467	448	441	351	348	411	437	460	458	452	449	450	453	455	457	458	464	460	467	476	476	468	472	448	
29	474	466	461	446	460	443	421	431	431	445	460	467	465	454	456	459	462	462	460	462	463	464	466	472	456	
30	471	473	467	453	460	463	461	452	436	442	456	463	461	454	454	454	467	475	463	472	476	481	481	482	463	
31	483	480	479	476	465	443	453	460	461	462	463	460	456	443	442	447	453	456	454	452	455	462	466	466	460	
Mean	472	466	459	455	444	433	427	435	434	439	444	447	450	450	447	447	448	452	455	460	468	471	473	474	452	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt

July 1942

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 42	342	14 00	287	55	05 40	44.9	17 30	18.7	26.2	00 20	468	05 51	354	114
2 Q	20 27	343	16 07	298	45	18 15	39.0	13 25	24.9	14.1	21 30	467	17 30	443	24
3 Q	20 24	339	14 41	296	43	19 50	36.6	12 30	23.5	13.1	01 00	464	07 02	339	125
4 Q	20 26	353	15 47	297	56	18 17	39.3	12 20	25.0	14.3	22 35	460	05 15	450	10
5 Q	20 33	360	15 40	316	44	19 40	33.5	12 00	21.7	11.8	23 40	361	17 10	427	34
6	21 37	360	16 10	294	66	08 00	39.9	11 35	21.7	18.2	23 10	466	08 24	429	37
7	21 38	364	14 40	302	62	06 42	36.8	11 10	21.6	15.2	00 22	465	07 00	426	39
8 D	23 47	378	10 20	240	138	19 16	42.5	12 27	10.1	32.4	23 34	536	09 45	315	221
9	20 42	368	17 00	271	97	02 40	43.6	00 01	20.3	23.3	23 20	493	02 39	375	118
10	23 38	387	15 28	267	120	18 22	38.2	23 59	17.3	20.9	00 20	486	05 43	418	68
11 D	00 43	389	06 50	143	246	06 29	79.4	07 35	06.3	73.1	01 37	511	06 02	165	346
12	19 14	333	10 15	265	68	10 05	43.5	05 20	15.1	28.4	04 40	487	10 11	409	78
13	18 27	351	15 48	277	74	17 16	40.3	03 35	21.8	18.5	22 50	477	06 20	421	56
14	21 45	357	14 41	265	92	21 02	36.4	12 20	19.8	16.6	23 16	495	05 56	422	73
15 D	20 34	430	15 02	273	157	09 00	49.4	23 45	16.7	32.7	21 02	530	08 15	353	177
16	21 10	379	09 18	285	94	08 56	44.1	10 52	19.6	24.5	21 10	491	09 09	404	87
17	19 07	341	15 15	273	68	17 12	35.5	01 00	07.6	27.9	00 55	502	05 32	402	100
18	19 13	341	15 40	285	56	18 48	35.3	13 07	23.6	11.7	00 01	471	08 15	418	53
19 Q	19 38	342	14 05	300	42	18 47	38.9	13 58	25.4	13.5	21 42	461	13 50	439	22
20 D	19 58	367	13 50	269	98	20 25	40.5	09 18	17.9	22.6	22 45	518	07 00	400	118
21	19 00	341	15 25	284	57	21 02	38.0	00 56	-0.6	38.6	00 23	509	14 20	432	77
22	19 58	346	16 29	292	54	19 30	37.3	12 00	26.0	11.3	01 08	470	16 30	434	36
23	20 35	348	14 50	298	50	21 03	37.8	00 40	23.4	14.4	20 36	476	07 00	415	61
24	20 38	365	15 24	277	88	17 35	38.9	03 55	19.3	19.6	23 59	508	04 45	421	87
25	22 27	367	04 12	255	112	19 47	46.5	04 25	15.2	31.3	01 00	530	06 23	370	160
26	21 45	373	15 08	291	82	22 15	41.0	12 20	21.8	19.2	23 59	527	15 50	438	89
27 D	22 26	377	06 47	265	112	06 55	60.0	02 55	18.0	42.0	00 42	555	06 48	310	245
28	21 27	359	14 17	282	77	05 01	43.3	02 30	18.0	25.3	00 08	488	05 10	308	180
29	23 00	345	16 07	276	69	19 02	43.8	00 46	11.2	32.6	00 15	485	06 38	417	68
30	20 12	353	17 51	282	71	19 00	43.1	12 20	22.0	21.1	23 45	483	08 26	430	53
31	22 06	335	15 00	290	45	19 15	39.2	01 18	14.2	25.0	01 00	484	05 20	442	42
Mean		359		277	82		42.1		18.3	23.8		491		394	97
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 1942

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	315	320	322	327	321	321	319	321	321	319	317	309	305	303	305	313	318	323	327	328	334	330	327	320
2	324	325	324	325	322	325	324	330	326	331	329	324	316	307	297	311	325	337	340	339	338	338	331	332	326
3	323	314	316	315	318	320	322	318	321	318	321	313	307	293	287	296	309	324	327	336	337	337	337	326	318
4 Q	324	321	321	330	330	324	324	328	324	323	323	321	311	301	303	307	327	330	331	335	342	332	332	326	324
5	329	324	320	321	320	326	318	322	322	320	320	317	311	306	306	306	309	314	320	331	343	331	332	327	321
6	329	333	330	331	331	335	330	327	334	334	329	331	319	303	289	271	311	332	336	334	336	336	334	336	325
7	318	310	310	324	319	313	297	307	319	298	283	308	313	302	285	280	289	295	306	321	330	324	325	317	308
8 Q	319	323	323	320	320	323	319	319	316	315	331	318	314	302	293	292	294	307	317	325	327	322	323	314	315
9	322	328	327	328	324	327	328	328	333	334	339	319	297	306	307	312	323	329	329	336	333	331	339	346	326
10 D	341	330	324	324	312	311	298	314	319	329	336	334	320	315	300	261	317	329	317	306	333	340	327	316	319
11	319	324	321	328	324	311	310	302	303	302	308	286	292	290	275	277	282	298	317	329	330	337	327	327	309
12	318	322	324	326	307	317	311	307	317	307	302	310	306	296	289	299	311	324	333	339	334	337	324	307	315
13 Q	311	312	322	318	318	316	316	317	319	319	315	309	304	302	306	321	330	334	337	339	337	334	332	316	320
14	314	312	318	318	318	319	323	324	321	321	318	316	311	296	290	302	311	321	331	339	341	334	326	321	319
15	321	325	323	320	323	323	324	326	322	322	329	328	321	311	305	307	315	322	334	352	332	338	331	313	324
16 D	310	317	306	269	230	274	285	304	313	319	309	309	296	286	283	290	292	309	323	367	390	352	357	321	309
17	296	291	301	326	311	317	325	292	298	306	298	288	287	294	286	283	275	294	315	333	344	347	337	330	307
18 D	317	319	314	317	318	327	332	300	297	255	281	285	271	273	266	283	291	299	318	333	337	328	334	338	305
19 D	314	314	321	317	319	327	313	319	281	301	319	307	281	289	285	272	270	286	314	334	337	350	323	313	308
20	319	318	294	312	313	319	318	310	306	313	287	301	303	286	291	294	301	307	313	307	327	340	342	314	310
21	317	319	309	321	319	302	316	306	309	313	311	311	302	292	289	299	303	313	318	319	322	325	319	322	311
22	309	317	319	323	324	311	311	319	318	322	320	314	301	291	288	296	307	319	329	337	337	332	314	317	316
23 D	313	301	301	264	304	329	323	317	321	303	317	311	286	298	293	236	268	301	334	326	321	339	303	296	304
24	306	316	324	314	304	314	311	307	309	311	303	306	288	279	275	275	279	300	318	332	323	327	305	311	306
25	314	316	311	295	275	186	300	304	308	308	313	306	297	287	275	273	291	305	321	327	340	342	320	319	301
26	317	312	312	318	316	315	321	316	309	314	314	311	296	285	280	278	285	300	318	318	334	344	323	318	310
27	304	310	318	324	319	321	306	317	315	302	307	304	298	285	261	277	281	291	304	319	324	326	323	321	306
28 Q	319	318	320	319	319	321	323	322	311	315	314	312	308	294	287	279	281	295	307	320	329	331	321	319	312
29 Q	320	321	320	319	321	321	319	320	321	323	322	319	314	301	288	285	297	311	320	323	327	321	324	324	315
30	320	316	311	316	322	321	319	318	318	324	331	331	325	302	299	301	308	323	317	324	333	339	341	334	321
31	320	324	319	311	307	309	311	296	306	313	319	313	296	275	281	286	292	307	323	333	337	334	324	319	310
Mean	318	318	317	317	314	314	316	315	315	314	315	313	304	296	289	288	298	311	322	330	335	335	328	322	314

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt

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

August 1942

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	31.1	30.9	31.4	29.0	30.1	29.7	29.8	29.4	30.5	29.0	27.8	26.9	25.6	26.3	29.1	32.0	32.7	33.7	34.2	33.5	33.6	32.7	31.8	32.7	30.6
2	32.9	32.2	31.1	30.6	29.2	30.1	29.7	29.3	28.0	27.0	25.8	25.6	26.1	26.7	30.0	36.3	36.0	36.1	34.8	34.3	33.0	32.0	32.9	32.7	31.0
3	32.4	31.4	29.1	30.9	29.5	29.1	29.5	29.0	29.5	27.9	24.7	23.6	23.4	25.5	26.2	30.6	33.6	35.4	36.6	36.5	35.0	32.8	30.2	31.3	30.1
4 Q	32.6	32.0	30.9	28.5	28.4	28.7	28.7	30.7	29.5	27.9	26.9	27.9	26.9	27.0	28.1	31.5	33.4	35.2	35.7	35.7	34.8	34.2	33.7	33.6	31.0
5	32.3	29.7	31.0	30.9	30.7	30.7	30.0	30.0	29.2	28.4	27.8	26.1	24.8	23.9	25.9	30.7	33.9	36.6	37.9	37.9	36.4	35.4	33.0	31.0	31.0
6	31.4	31.4	32.3	31.8	31.2	30.4	29.9	29.4	27.0	26.3	25.4	23.4	23.9	25.0	28.1	35.9	45.7	43.2	39.8	38.1	36.1	34.6	33.4	32.5	32.0
7	24.9	24.5	28.3	26.5	28.5	27.5	36.3	39.6	26.0	20.6	30.7	18.8	16.7	18.5	23.7	32.4	35.0	38.4	38.5	35.6	34.3	31.0	29.4	29.4	29.0
8 Q	30.5	30.0	28.5	31.4	31.3	30.7	31.8	31.6	29.9	28.9	28.2	26.4	25.7	26.7	30.5	36.3	38.1	38.1	37.9	35.6	33.5	31.7	30.9	30.9	31.4
9	30.9	31.5	31.0	29.8	30.9	30.7	30.8	29.4	28.0	24.9	23.4	25.4	27.5	29.5	32.7	36.7	39.8	40.0	39.6	37.7	34.3	31.9	30.3	30.0	31.5
10 D	31.4	31.0	30.7	28.3	28.7	26.9	38.9	32.3	29.7	26.5	21.6	21.1	22.5	25.0	28.1	33.6	42.9	39.5	41.5	40.1	36.0	32.5	30.0	29.4	31.1
11	30.0	30.6	29.5	19.6	23.4	29.4	30.5	36.6	38.3	33.6	26.5	30.4	26.6	26.9	29.1	35.4	37.5	38.6	38.1	36.1	33.7	31.6	30.9	30.2	31.4
12	32.0	31.9	24.2	28.9	28.8	30.6	32.7	38.0	34.5	26.0	26.6	26.4	24.4	28.1	32.6	36.7	38.9	39.3	38.8	37.2	36.3	33.9	32.9	32.7	32.1
13 Q	32.5	28.0	31.0	31.1	30.9	31.0	30.0	29.3	29.1	28.8	27.4	26.0	26.0	28.1	31.6	35.9	37.4	38.0	38.3	36.5	34.6	32.0	30.2	30.1	31.4
14	29.3	29.2	31.8	32.0	31.5	30.8	31.6	32.2	32.0	33.0	24.0	24.2	25.0	27.0	30.0	33.9	36.1	36.6	36.7	36.2	33.8	31.6	30.0	30.0	31.1
15	30.9	31.1	31.1	31.1	31.4	31.9	31.8	31.1	30.2	30.0	28.1	24.8	24.0	23.6	26.9	30.0	32.7	33.6	34.7	35.1	36.3	36.2	32.5	32.0	30.9
16 D	31.1	27.4	26.8	20.6	29.0	26.0	24.0	30.7	29.1	26.3	24.5	20.2	20.2	22.3	24.8	29.3	35.1	37.4	40.8	40.9	40.9	38.0	39.1	35.4	30.0
17	27.9	32.7	29.0	34.3	28.1	27.4	34.7	35.5	37.2	30.5	25.9	24.8	26.3	24.9	28.0	31.8	37.3	40.0	40.7	40.2	38.3	31.6	35.1	32.0	32.2
18 D	29.3	32.9	28.5	30.9	30.6	32.9	37.2	32.5	30.9	53.3	37.9	30.0	28.4	30.6	32.4	32.3	35.6	38.2	39.1	38.9	39.2	35.5	30.6	24.9	33.9
19 D	23.4	30.1	28.3	25.4	29.1	33.4	36.6	36.0	38.9	35.5	30.3	19.5	15.8	14.9	19.0	33.6	40.0	42.1	40.9	35.7	33.6	32.0	21.0	30.2	30.2
20	31.8	29.2	25.9	29.0	33.6	33.3	33.0	30.1	34.6	27.2	30.2	28.3	23.2	23.9	28.0	31.3	34.2	36.3	38.1	37.9	33.7	32.4	32.9	30.0	31.2
21	31.0	32.4	27.0	26.7	29.7	29.5	35.4	27.2	29.2	27.7	25.6	25.7	24.8	26.6	28.3	31.8	34.8	35.4	34.8	33.8	31.0	29.7	29.2	25.6	29.7
22	26.3	30.7	32.4	32.2	36.1	33.9	28.4	29.2	30.0	28.9	27.2	25.7	24.8	26.0	30.0	33.8	36.5	35.6	35.5	34.6	33.6	32.9	32.6	31.8	31.2
23 D	22.4	16.3	27.8	37.2	27.4	32.7	30.9	36.2	30.1	30.1	23.6	20.2	23.6	29.4	35.0	39.7	43.6	44.3	36.7	37.4	33.4	32.9	29.1	29.0	31.2
24	32.9	29.5	29.0	31.1	38.0	33.1	32.6	34.0	33.1	29.9	26.6	24.8	22.9	24.9	28.7	34.7	39.4	38.9	39.6	34.2	36.3	29.7	30.0	31.0	31.9
25	32.9	28.6	25.5	26.3	28.2	60.0	29.0	36.1	35.0	32.0	27.6	24.0	25.6	26.8	32.0	35.7	38.1	39.5	38.3	37.7	36.1	32.1	32.3	33.1	33.0
26	32.5	28.1	24.9	28.6	32.3	39.5	30.2	30.3	34.9	30.9	26.8	24.5	23.6	26.2	30.0	33.9	37.7	39.9	39.1	38.1	34.1	33.9	33.6	29.1	31.8
27	26.5	28.1	30.1	33.2	30.6	30.5	33.2	37.2	28.1	30.8	30.2	26.8	26.3	26.8	28.6	32.9	36.1	38.9	41.1	39.0	37.5	33.8	32.3	31.5	32.0
28 Q	31.8	32.0	31.9	31.8	31.4	32.0	35.9	32.9	35.0	33.0	27.4	25.4	24.8	25.4	27.9	32.9	38.1	39.0	38.4	36.7	34.7	33.0	31.5	30.5	32.2
29 Q	30.8	31.1	31.0	31.1	31.0	30.9	30.6	31.1	30.4	29.6	28.0	26.0	24.0	23.9	25.0	29.5	33.0	36.5	38.1	37.4	35.1	32.2	30.4	29.3	30.7
30	29.8	30.3	30.0	29.7	31.5	30.9	30.4	30.9	29.2	27.8	26.0	23.9	21.5	20.1	24.0	30.4	35.1	38.8	41.7	39.1	36.4	33.6	31.8	30.1	30.6
31	28.5	29.0	29.2	27.6	26.6	27.5	25.8	25.5	24.7	24.8	24.1	20.7	20.1	22.1	30.4	33.4	36.4	39.2	40.6	39.2	36.1	32.9	31.0	30.1	29.4
Mean	30.1	29.8	29.3	29.5	30.2	31.6	31.6	32.0	31.0	29.6	27.0	24.8	24.0	25.2	28.6	33.4	37.0	38.1	38.3	37.0	35.2	33.0	31.5	30.8	31.2

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 31 Agincourt

z = 56,000 γ +

August 1942

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	470	470	470	454	446	457	458	457	455	457	457	458	455	454	452	454	454	450	447	452	464	468	471	470	458
2	467	465	461	462	458	455	458	461	460	461	461	460	460	464	464	462	456	452	460	464	470	470	467	470	462
3	471	477	478	470	464	462	456	463	458	458	460	460	461	462	462	465	468	471	469	466	470	474	478	475	467
4 Q	470	465	464	463	455	454	445	451	454	460	461	457	454	452	460	461	462	467	470	468	470	471	474	470	461
5	471	466	466	465	465	465	463	465	465	465	465	465	465	466	466	463	465	465	462	465	468	471	476	478	466
6	472	466	464	464	464	464	463	461	459	459	462	458	456	459	467	459	458	456	459	471	472	472	476	495	465
7	512	476	486	474	469	464	396	374	423	426	432	437	443	444	448	446	452	453	453	456	466	481	482	476	453
8 Q	466	470	463	463	457	456	454	456	462	462	463	463	463	461	456	455	455	456	463	468	465	466	463	463	462
9	463	466	463	463	462	463	462	462	461	456	456	456	456	456	460	455	462	462	462	463	465	473	466	466	462
10 D	466	466	468	468	463	442	422	413	451	462	463	458	451	450	453	453	462	461	466	497	497	496	485	483	462
11	484	479	475	446	437	436	425	429	431	451	455	453	456	456	462	468	469	471	469	472	473	473	473	472	459
12	468	468	456	450	445	432	433	414	417	439	456	455	459	462	469	462	465	464	471	472	472	472	477	479	456
13 Q	479	472	464	466	466	468	464	465	466	466	467	467	466	466	464	466	469	470	473	477	480	477	476	472	469
14	472	473	472	469	467	466	462	460	454	447	451	460	460	454	449	445	447	452	457	462	466	466	463	460	460
15	460	460	460	460	460	459	454	454	457	459	460	460	460	460	459	462	460	462	463	474	476	489	497	492	465
16 D	494	492	495	449	417	390	413	454	476	480	472	470	469	472	467	462	464	464	466	478	556	516	516	518	472
17	522	506	476	417	427	450	450	437	430	453	459	461	469	466	465	459	460	469	476	488	495	507	499	491	468
18 D	483	471	466	463	463	436	393	389	407	355	373	415	434	448	451	469	466	466	469	476	487	494	489	487	448
19 D	482	487	460	445	444	448	438	409	389	424	438	450	457	462	457	462	470	479	484	489	480	500	508	491	460
20	472	461	457	454	453	450	457	464	466	462	449	450	454	462	462	460	463	468	473	473	475	478	479	474	463
21	470	469	469	459	460	452	450	450	463	466	466	464	461	460	468	472	475	476	479	480	481	485	485	484	469
22	476	477	473	472	431	404	451	467	470	470	472	474	474	473	473	475	474	475	479	481	482	483	495	493	471
23 D	496	446	452	367	414	407	430	436	439	444	457	463	463	462	462	462	493	486	501	538	506	512	555	513	467
24	485	454	430	447	415	434	450	454	459	467	470	472	472	466	466	469	474	480	485	509	508	516	497	489	470
25	480	472	462	446	395	259	379	411	436	466	472	477	469	468	466	469	474	476	480	482	489	507	490	482	454
26	477	475	471	465	456	417	459	467	466	472	476	476	472	470	471	467	469	472	476	483	493	495	495	495	472
27	500	478	476	457	460	464	430	428	453	460	466	466	470	463	464	475	478	477	479	483	483	478	477	475	469
28 Q	472	473	473	472	472	467	463	463	463	463	472	477	474	472	474	478	476	483	483	486	485	483	483	478	474
29 Q	479	478	477	477	477	476	474	473	474	474	477	477	476	474	473	466	466	467	476	477	478	478	477	478	475
30	477	476	478	477	467	467	469	472	473	473	475	473	472	467	463	454	449	449	455	468	471	472	474	472	469
31	472	472	472	463	451	463	448	448	460	472	472	466	463	467	462	465	463	466	472	479	478	484	480	478	467
Mean	478	471	468	456	450	442	444	445	451	455	459	461	461	461	462	462	465	466	469	477	481	484	484	481	464

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt

August 1942

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	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ	h.	m.	γ	h.	m.	γ	γ
1	22	52	339	15	05	301	38	17	55	34.7	12	25	25.0	09.7	01	27	474	04	35	440	34							
2	21	13	357	14	34	294	63	16	03	37.5	12	05	24.7	12.8	21	00	474	17	29	448	26							
3	22	36	344	15	35	282	62	18	30	37.7	12	00	22.3	15.4	02	28	484	06	05	448	36							
4 Q	04	00	346	15	30	296	50	19	00	35.8	03	50	25.6	10.2	22	40	475	06	25	442	33							
5	20	46	347	15	00	303	44	18	45	38.6	13	30	23.2	15.4	23	05	482	18	45	461	21							
6	23	05	353	15	45	271	82	16	33	48.3	11	45	22.4	25.9	23	59	501	16	33	453	48							
7	20	14	338	10	28	263	75	07	04	50.8	00	50	12.0	38.8	00	42	529	06	53	324	205							
8 Q	02	25	333	15	40	288	45	17	33	38.8	12	40	25.5	13.3	20	35	474	15	50	455	19							
9	23	03	352	12	44	285	67	18	00	40.3	10	30	22.5	17.8	22	00	473	13	35	455	18							
10 D	21	08	367	15	47	236	131	18	53	46.5	11	26	18.7	27.8	20	27	506	07	03	399	107							
11	03	54	361	15	50	265	96	07	45	43.5	03	50	11.4	31.1	00	10	484	04	00	413	71							
12	19	32	353	14	45	282	71	16	53	40.7	02	41	14.9	25.8	23	40	480	07	40	403	77							
13 Q	19	18	341	01	29	299	42	18	12	38.8	01	45	23.5	15.3	20	25	481	14	30	462	19							
14	20	00	344	14	20	286	58	09	08	37.9	11	10	23.2	14.7	00	10	473	09	30	442	31							
15	22	36	384	22	17	291	93	20	25	39.1	13	15	22.7	16.4	22	40	518	06	25	454	64							
16 D	20	23	429	04	30	140	289	04	28	49.8	05	10	13.9	35.9	20	44	604	04	25	285	319							
17	20	58	370	16	37	256	114	19	13	43.7	02	36	16.8	26.9	00	44	532	03	53	383	149							
18 D	21	04	359	09	10	216	143	09	17	58.0	00	10	19.0	39.0	21	05	505	09	10	323	182							
19 D	21	30	372	08	47	248	124	08	53	52.7	00	10	16.9	35.8	21	58	516	08	55	373	143							
20	00	48	370	13	05	276	94	18	51	41.0	02	30	20.2	20.8	00	42	507	04	48	416	91							
21	03	17	333	14	06	280	53	06	11	38.7	03	00	21.7	17.0	23	00	491	07	12	438	53							
22	20	08	347	13	54	283	64	05	18	40.6	00	15	19.6	21.0	22	26	503	05	18	391	112							
23 D	21	25	360	15	50	189	171	16	38	51.7	01	05	12.0	39.7	22	30	611	03	43	237	374							
24	21	37	361	15	53	256	105	04	40	47.7	02	35	21.4	26.3	21	16	533	04	40	388	145							
25	21	28	366	05	52	144	222	05	43	86.8	02	25	14.2	72.6	21	43	529	05	42	174	355							
26	21	50	362	14	17	268	94	05	23	44.7	02	45	14.9	29.8	21	52	503	05	15	382	121							
27	21	45	332	14	52	253	79	07	15	42.1	00	50	15.7	26.4	00	36	522	06	55	404	118							
28 Q	20	55	337	16	51	278	59	17	50	39.5	12	50	23.5	17.0	20	25	486	08	00	460	26							
29 Q	20	32	331	15	00	282	49	18	55	38.1	13	25	22.2	15.9	21	55	481	16	25	464	17							
30	22	15	347	15	15	295	52	18	27	43.6	13	20	18.7	24.9	02	30	479	17	00	444	35							
31	20	50	340	13	27	260	80	18	36	41.0	12	05	19.2	21.8	21	50	485	05	30	440	45							
Mean			354			263	91			44.2			19.6	24.6			503			403	100							
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 1942

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	315	320	323	319	320	320	320	319	320	318	324	333	319	292	282	279	287	307	310	315	317	320	319	323	314
2	326	315	307	324	325	310	281	284	310	312	305	304	310	297	286	281	287	307	328	339	343	328	324	307	310
3	315	324	325	319	321	316	322	308	312	307	309	315	302	292	282	279	291	304	319	325	327	327	327	328	312
4	329	328	326	334	331	328	325	322	328	318	321	319	308	300	302	308	310	315	323	325	326	324	323	323	321
5	324	315	305	306	300	303	311	319	319	315	315	319	317	308	299	303	314	317	327	336	325	315	319	319	315
6 D	319	303	309	312	302	297	307	285	278	320	324	329	312	275	285	310	322	319	312	318	323	329	287	297	307
7	318	319	323	317	319	310	315	302	317	323	315	315	309	306	295	284	288	312	326	323	319	322	305	316	312
8	320	320	315	307	307	293	310	287	307	314	316	310	306	302	298	300	308	315	323	324	323	325	324	325	311
9	323	324	325	318	312	307	307	320	313	318	314	306	312	304	293	286	295	307	314	320	320	323	328	328	313
10	325	323	328	320	320	324	317	318	309	315	314	318	315	307	299	293	295	303	312	319	321	323	319	320	315
11 D	323	320	324	323	323	322	324	327	325	322	322	322	327	315	324	319	316	303	323	333	314	323	356	325	324
12 D	373	318	312	318	297	271	223	246	169	235	170	271	284	273	280	282	275	308	320	323	317	320	328	312	284
13	319	307	305	307	306	316	307	313	307	295	311	312	306	295	282	280	280	304	308	307	321	327	327	301	306
14	302	303	308	316	303	315	317	312	312	317	302	296	298	298	281	277	269	268	301	323	321	324	318	315	304
15	318	300	319	296	302	302	260	302	304	306	287	295	294	276	253	252	261	275	289	310	317	323	323	322	295
16	323	305	298	308	298	271	300	310	308	308	307	312	302	287	277	269	272	279	305	318	338	322	339	319	303
17 D	309	325	324	318	315	294	285	318	314	287	201	252	302	295	248	247	276	279	284	312	318	327	302	307	293
18	310	319	305	316	308	318	308	310	320	317	307	309	308	292	277	283	293	307	295	315	316	323	312	318	308
19	312	324	325	339	300	308	299	319	297	292	300	304	302	287	279	301	291	299	303	311	317	314	315	322	307
20	315	309	322	315	328	314	312	315	312	307	303	297	275	302	292	295	292	295	307	308	312	320	322	298	307
21 D	312	324	304	297	292	297	298	305	245	283	313	303	268	285	289	286	259	463	291	310	318	324	319	319	304
22	321	321	316	318	285	297	315	318	318	310	301	303	301	303	303	292	288	282	299	307	317	322	317	301	306
23	307	312	318	317	318	312	312	317	312	315	312	310	307	296	289	291	296	307	320	322	325	321	319	319	311
24	302	309	326	318	315	312	313	313	318	314	317	313	306	296	285	283	284	294	306	309	316	321	311	313	308
25 Q	313	313	320	316	311	322	318	319	319	319	318	312	305	296	283	277	278	292	308	318	317	319	320	310	309
26 Q	316	321	322	324	321	322	322	323	323	322	326	322	313	302	287	276	281	293	307	316	320	324	316	321	313
27	325	326	328	323	313	303	305	312	314	313	313	311	302	293	292	287	292	298	308	327	323	333	316	322	312
28 Q	324	315	318	319	319	321	321	320	320	319	320	315	308	303	293	283	283	288	298	313	323	321	322	321	312
29 Q	319	319	318	318	322	321	323	324	323	325	325	316	310	303	292	286	283	285	292	302	313	320	325	322	312
30 Q	323	324	323	321	323	323	323	324	325	316	320	317	313	306	298	286	285	283	285	302	313	322	323	323	312
31																									
Mean	319	317	317	317	312	309	307	310	307	309	304	309	305	296	288	286	288	304	308	318	321	323	320	316	309

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt

D = 7° W + . . . ' .

September 1942

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	30.2	31.1	31.0	31.0	31.0	31.9	31.6	31.9	30.2	28.0	27.2	24.6	21.2	24.8	30.0	34.0	39.1	42.0	42.9	42.0	39.0	34.0	31.7	30.2	32.1	
2	30.8	27.6	22.2	29.7	31.6	29.6	48.9	29.3	26.4	25.2	24.3	24.6	23.6	24.9	24.9	34.4	38.2	40.5	39.9	38.2	36.4	34.1	29.1	34.9	31.2	
3	34.4	32.5	32.0	31.0	32.0	30.6	30.6	34.0	27.9	27.5	25.5	24.9	23.8	25.1	28.3	34.1	37.1	38.9	38.4	35.5	32.8	31.2	31.1	31.9	31.3	
4	32.2	32.6	32.4	33.0	34.3	31.6	30.2	30.8	27.2	27.3	28.9	25.5	25.2	25.8	29.1	35.1	39.4	38.7	36.7	34.5	31.8	30.0	29.4	31.1	31.3	
5	30.9	30.9	31.0	23.7	27.3	28.3	28.3	29.1	30.3	32.8	25.8	24.6	25.9	28.8	31.8	35.5	37.9	35.8	34.2	34.2	33.2	32.0	31.2	31.1	30.6	
6 D	31.9	26.4	28.8	30.0	31.9	31.9	25.5	21.9	39.5	22.2	19.1	22.8	23.9	33.7	43.0	39.3	35.9	33.4	34.9	32.8	30.1	28.7	24.9	24.6	29.9	
7	31.4	31.5	31.6	29.2	23.9	30.0	27.6	30.0	32.6	28.2	27.3	27.3	25.9	27.3	29.9	31.9	36.7	36.5	34.6	33.5	32.0	31.6	32.1	31.2	30.6	
8	31.9	26.4	28.5	30.0	29.4	30.0	26.8	23.4	26.2	27.0	28.7	27.3	25.1	26.9	31.2	34.6	37.3	37.8	36.1	34.1	31.7	30.3	30.3	30.4	30.0	
9	31.0	31.5	31.4	30.2	28.5	30.4	35.1	28.5	29.8	30.4	27.7	28.1	23.5	24.5	27.9	32.8	36.4	38.4	36.6	34.4	31.2	29.3	29.3	29.9	30.7	
10	30.6	30.4	27.9	25.9	28.7	29.4	29.2	27.6	24.9	26.8	26.0	24.1	22.9	25.2	29.1	33.6	36.7	39.2	38.0	35.5	33.0	31.0	30.4	30.9	29.9	
11 D	30.4	30.4	30.3	30.3	29.4	33.4	29.5	26.7	26.4	26.0	25.5	21.2	18.7	23.7	26.8	28.5	31.0	35.2	37.3	39.1	42.1	39.8	37.8	23.6	30.1	
12 D	18.6	22.3	27.3	23.7	29.1	25.4	23.0	21.9	23.7	38.2	50.2	33.0	23.9	24.1	27.9	31.4	36.1	35.1	36.4	37.5	37.3	32.0	33.7	32.1	30.1	
13	18.2	23.7	28.7	32.2	36.1	31.1	30.3	31.3	33.4	42.3	31.0	25.5	22.3	23.7	26.4	32.6	37.8	38.2	38.2	38.9	38.7	38.5	35.1	27.0	31.7	
14	31.0	27.0	20.0	37.6	33.4	28.8	29.1	32.2	31.9	29.7	28.5	28.4	24.8	24.1	27.0	31.0	35.1	38.9	37.5	32.1	28.6	34.3	31.5	26.9	30.4	
15	24.6	26.8	28.2	24.5	36.7	34.0	40.4	32.0	30.4	28.2	31.0	27.1	23.0	23.2	27.7	31.7	37.1	41.5	39.6	37.4	35.5	33.5	31.3	30.9	31.5	
16	31.9	25.7	17.8	27.3	24.9	31.0	26.9	27.0	29.8	33.2	31.5	26.1	23.5	23.0	25.3	29.3	31.2	37.6	38.7	37.5	34.9	33.0	33.7	29.3	29.6	
17 D	29.8	26.5	30.0	31.9	31.7	31.0	29.0	29.0	26.6	30.0	44.3	43.5	29.5	29.0	32.4	36.4	39.1	39.9	38.8	36.1	36.3	31.5	20.7	28.5	32.6	
18	26.3	28.1	24.4	32.5	36.0	38.6	37.1	33.9	30.9	29.5	32.0	28.5	25.4	26.1	31.0	36.8	39.5	40.4	37.7	36.3	35.6	33.1	26.8	29.8	32.3	
19	29.2	27.4	32.9	29.9	28.6	28.5	29.5	34.1	29.4	32.9	32.0	29.2	25.0	29.5	34.6	36.5	37.0	35.9	36.1	35.3	35.3	35.0	32.5	33.1	32.0	
20	31.7	27.4	31.6	31.0	27.7	27.8	29.5	29.9	26.7	28.9	28.8	31.0	32.1	26.6	32.7	32.4	35.0	36.3	35.5	34.0	31.5	32.9	32.6	26.5	30.9	
21 D	30.1	27.4	29.5	32.9	33.0	20.3	21.1	22.7	34.9	44.2	26.0	22.7	24.7	26.7	26.1	28.3	31.6	33.5	33.5	33.0	33.7	32.1	30.9	30.6	29.6	
22	30.7	30.9	28.8	23.7	35.5	37.1	29.0	26.1	25.5	27.6	32.8	30.0	29.3	29.2	28.6	31.6	33.3	36.9	36.7	36.6	35.9	33.4	32.9	20.5	31.0	
23	30.1	31.6	30.0	30.3	30.4	31.0	31.0	31.7	32.2	29.6	29.2	27.0	26.0	25.6	27.9	31.4	33.7	36.0	35.9	34.8	33.6	32.6	32.5	30.8	31.0	
24	31.3	32.3	31.0	31.3	32.0	30.9	30.8	30.5	30.4	29.8	29.2	27.4	25.7	25.7	29.0	32.9	35.7	37.6	37.6	36.6	34.3	32.6	32.2	32.6	31.7	
25 Q	32.7	30.8	27.9	29.6	31.1	31.3	31.3	30.7	30.1	29.8	29.0	27.5	26.3	26.0	28.3	31.7	35.3	38.9	38.9	36.5	34.0	31.8	31.5	31.4	31.3	
26 Q	30.9	31.4	31.5	31.4	31.7	31.3	31.4	30.8	29.5	30.4	28.7	27.1	25.6	26.0	30.1	34.3	38.6	43.0	40.5	38.6	35.8	33.4	31.4	32.0	32.3	
27	31.4	31.1	30.2	30.3	29.5	28.5	27.8	29.6	28.3	28.4	27.5	27.5	27.8	29.3	32.2	35.9	35.0	36.9	38.1	37.3	36.3	34.1	33.2	32.6	31.6	
28 Q	32.1	30.1	28.6	30.2	30.1	30.5	30.9	30.6	30.2	29.8	29.1	28.2	28.6	27.5	27.5	30.4	34.8	38.5	39.5	38.6	36.3	34.1	33.0	31.4	31.7	
29 Q	30.5	30.5	30.4	30.5	30.2	30.0	30.2	29.3	28.7	28.9	28.1	27.2	25.3	25.6	25.7	29.5	33.6	37.1	38.9	38.5	36.2	34.1	32.6	31.4	31.0	
30 Q	31.1	31.1	30.6	30.6	30.4	29.9	30.1	30.4	29.1	30.6	31.1	27.0	24.8	24.8	27.0	29.3	32.2	34.7	36.9	39.1	37.0	35.1	33.2	31.7	31.1	
31																										
Mean	30.0	29.1	28.9	29.8	30.9	30.5	30.4	29.2	29.5	30.1	29.6	27.3	25.1	26.2	29.3	32.8	35.9	37.8	37.5	36.3	34.7	33.0	31.3	29.9	31.0	

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

Table 35 Agincourt

z = 56,000 γ +

September 1942

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	473	471	468	468	468	468	467	465	464	468	472	473	465	461	456	455	464	476	489	497	492	488	482	478	472
2	474	473	472	468	468	458	336	352	423	465	470	468	464	464	464	467	464	465	471	475	481	485	497	494	459
3	483	474	474	476	474	475	473	458	458	467	473	477	469	467	467	465	467	471	476	474	477	476	471	471	471
4	470	471	471	463	458	463	468	468	470	468	467	468	467	467	464	465	467	472	478	484	485	485	480	475	471
5	473	473	474	458	445	464	469	473	470	449	438	445	445	446	455	464	475	477	479	485	490	486	483	479	467
6 D	481	483	485	484	473	463	445	438	412	428	461	469	471	464	464	468	476	484	491	491	490	493	517	514	473
7	490	487	483	480	467	454	455	462	463	467	474	483	482	478	477	473	475	481	485	484	484	488	488	489	477
8	488	484	473	454	454	448	439	445	472	477	481	474	473	473	475	473	471	478	484	482	483	483	483	482	472
9	479	478	480	481	482	475	467	469	461	471	475	480	480	473	471	468	468	470	478	484	485	482	484	485	476
10	479	480	471	460	470	473	473	461	456	461	468	475	474	473	474	475	478	480	483	483	486	491	490	487	475
11 D	488	488	488	484	474	446	458	473	478	478	478	475	463	448	442	440	444	450	461	474	492	509	567	603	479
12 D	687	628	506	509	395	437	280	324	264	290	333	433	457	473	477	464	480	493	492	504	517	514	514	457	
13	501	494	496	486	460	476	471	467	455	430	472	482	479	477	476	478	484	491	500	503	509	507	544	523	486
14	526	501	480	404	412	438	460	451	445	471	476	481	477	473	472	468	473	494	501	522	537	536	517	507	480
15	487	496	498	467	382	400	426	473	479	482	485	488	484	478	477	480	481	486	500	500	498	498	491	488	476
16	485	490	484	489	482	421	451	475	474	474	481	485	478	478	473	475	478	484	488	487	493	499	514	501	481
17 D	500	483	485	484	480	439	427	448	465	451	400	421	447	458	463	476	485	496	520	516	502	511	520	511	474
18	492	479	485	475	434	441	439	451	461	470	477	480	480	475	476	474	474	475	491	494	496	494	496	492	475
19	492	471	471	450	464	474	440	455	464	463	476	483	474	473	467	473	480	487	490	487	491	496	496	491	475
20	491	491	490	491	481	478	484	484	478	475	468	461	455	458	474	468	470	480	484	497	496	497	504	496	481
21 D	492	463	428	444	436	453	463	467	456	424	435	457	450	469	468	468	468	476	492	496	490	493	489	494	466
22	493	496	490	480	429	400	457	473	473	464	473	467	473	477	484	483	479	481	484	487	489	495	506	503	477
23	495	493	478	472	472	475	472	465	466	474	482	482	481	483	483	482	484	485	487	486	486	485	485	485	481
24	492	493	481	477	483	483	482	482	480	480	482	485	484	478	483	480	481	483	486	490	490	490	489	488	485
25 Q	487	484	482	472	479	475	478	481	479	479	479	481	477	473	472	467	466	466	467	472	473	477	477	478	476
26 Q	476	473	472	472	472	471	470	470	467	467	465	469	467	467	464	473	476	476	479	481	483	484	483	483	473
27	482	480	480	481	482	483	480	483	481	482	481	483	478	476	472	474	473	470	472	479	483	487	485	487	480
28 Q	483	486	483	479	479	478	479	478	479	478	478	478	477	476	475	472	473	477	478	481	482	483	484	483	479
29 Q	480	479	479	479	477	477	475	472	474	475	475	476	476	474	472	473	472	473	473	478	482	482	481	476	476
30 Q	476	476	475	475	475	472	473	470	469	466	465	470	474	471	471	471	471	472	473	476	476	476	472	472	472
31																									
Mean	494	488	480	473	461	459	452	458	458	460	465	472	471	470	471	471	474	478	485	488	491	493	497	494	475

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt

September 1942

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	11 05	345	14 57	269	76	19 00	44.6	12 45	19.1	25.5	19 30	500	15 32	448	52
2	20 57	365	07 23	259	106	06 42	56.6	02 05	17.1	39.5	22 22	501	06 35	274	227
3	22 34	329	15 32	274	55	17 33	39.3	10 25	23.1	16.2	00 01	492	08 00	445	47
4	03 58	338	14 20	295	43	16 47	41.3	09 33	24.4	16.9	20 05	486	04 05	455	31
5	19 37	341	15 02	286	55	16 24	38.7	03 50	26.1	12.6	20 05	491	10 10	433	58
6 D	21 29	344	14 04	244	100	08 39	50.7	22 55	11.5	39.2	22 55	537	08 52	374	163
7	18 29	332	16 38	281	51	16 40	38.2	04 00	18.6	19.6	00 01	496	06 08	443	53
8	23 10	333	07 25	282	51	17 51	38.9	01 50	18.8	20.1	00 05	489	06 50	418	71
9	22 52	332	15 35	286	46	17 28	39.1	12 40	22.4	16.7	20 30	486	08 35	456	30
10	02 55	343	15 35	291	52	17 28	39.8	12 25	21.8	18.0	21 15	494	07 55	444	50
11 D	23 04	377	20 51	282	95	20 43	45.6	23 45	10.9	34.7	23 07	634	05 47	433	201
12 D	00 53	411	10 16	120	291	10 25	59.1	07 00	10.9	48.2	00 55	722	08 48	206	516
13	21 50	358	15 36	261	97	09 23	49.8	00 20	11.4	38.4	22 40	588	09 45	406	182
14	23 42	350	16 35	252	98	03 08	51.8	02 29	16.6	35.2	21 42	550	02 57	386	164
15	20 52	335	06 28	215	120	06 28	50.8	13 05	18.6	32.2	18 30	510	04 25	355	155
16	19 26	350	05 25	235	115	18 03	40.0	02 40	12.4	27.6	23 10	546	05 30	392	154
17 D	21 40	339	10 55	152	187	10 50	51.6	22 45	16.8	34.8	22 28	520	10 48	355	165
18	22 07	348	16 05	256	92	05 34	43.9	22 45	15.8	28.1	00 01	510	04 16	421	89
19	03 10	366	14 25	268	98	02 40	42.2	03 10	13.0	29.2	21 38	504	06 47	419	85
20	04 29	344	12 10	265	79	16 43	36.8	22 53	13.9	22.9	22 52	522	12 10	448	74
21 D	01 50	358	08 51	206	152	09 12	52.7	05 17	15.1	37.6	00 01	507	09 22	364	143
22	03 56	339	05 11	253	86	04 45	55.1	04 00	12.7	42.4	22 52	515	05 07	365	150
23	02 48	335	14 44	286	49	18 04	37.4	13 10	24.9	12.5	00 15	497	07 28	460	37
24	02 38	339	14 31	278	61	18 00	38.3	12 43	24.8	13.5	01 00	497	02 55	469	28
25 Q	02 55	329	16 10	273	56	18 00	40.1	02 50	24.3	15.8	00 30	490	17 00	464	26
26 Q	09 58	361	16 05	272	89	17 18	44.1	13 25	24.6	19.5	17 55	486	05 05	460	26
27	21 44	338	15 22	278	60	18 22	38.6	06 05	26.6	12.0	21 45	491	17 58	469	22
28 Q	00 41	328	15 55	279	49	18 40	40.0	01 50	25.8	14.2	01 44	489	15 55	472	17
29 Q	23 51	331	16 39	278	53	18 38	40.7	13 40	24.0	16.7	00 01	483	17 10	470	13
30 Q	07 54	330	16 35	281	49	19 00	39.5	13 15	23.6	15.9	20 43	480	10 00	461	19
31															
Mean		346		259	87		44.2		19.0	25.2		517		415	102
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 1942

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	323	323	322	319	320	322	323	322	323	323	323	322	314	304	294	284	289	298	306	313	323	329	329	321	316
2 D	318	313	341	344	325	326	329	327	323	310	317	316	280	288	272	258	282	277	273	295	286	298	303	292	304
3 D	252	265	267	255	182	267	239	250	293	306	294	281	287	269	273	237	262	282	285	293	296	293	278	282	270
4	294	303	298	296	282	301	262	264	302	308	308	303	275	277	266	257	264	287	293	287	277	298	291	283	287
5	280	303	289	288	289	279	302	298	277	295	313	314	323	293	286	297	306	311	311	310	303	309	318	319	301
6	317	315	311	311	311	307	308	305	310	315	317	311	306	300	288	283	301	311	313	316	309	304	315	313	308
7	300	296	293	299	298	303	310	303	306	313	318	313	299	283	284	276	283	290	298	308	313	309	301	304	300
8	310	313	319	314	310	312	312	309	309	312	319	324	316	300	285	282	284	295	299	301	310	311	316	314	307
9 Q	309	304	305	305	309	320	310	306	307	309	322	330	320	312	301	288	293	309	321	329	330	327	321	324	313
10	324	326	328	329	329	328	332	334	332	330	332	333	321	305	289	286	290	300	310	316	326	330	316	320	320
11	321	317	316	314	314	315	316	316	314	314	322	314	299	299	281	280	281	304	322	356	317	324	319	320	312
12 D	314	304	309	296	296	310	312	309	309	297	246	309	304	297	277	260	253	259	278	294	312	314	304	276	293
13	295	312	290	302	307	309	307	308	294	298	306	311	299	295	270	273	249	222	276	298	309	296	276	294	291
14	304	289	300	298	306	299	308	302	301	310	306	295	282	287	253	261	284	295	295	286	288	271	301	305	293
15	301	304	312	302	300	307	289	303	299	307	313	306	294	277	270	277	285	285	269	295	310	310	294	296	296
16	308	322	295	306	315	309	310	306	303	308	305	309	283	275	288	263	268	283	294	303	305	314	317	310	300
17	316	314	314	309	302	317	309	300	309	309	310	309	303	294	284	286	285	289	297	306	294	304	313	313	304
18	317	315	314	304	306	310	309	304	310	312	310	299	301	289	282	284	284	273	274	305	306	301	314	303	301
19	298	314	294	299	296	284	260	294	309	304	299	303	279	253	258	273	275	278	288	302	309	309	314	312	292
20	252	256	313	317	302	305	309	307	308	308	308	302	297	290	251	252	268	290	300	304	306	309	309	312	295
21	312	311	312	311	306	310	309	304	309	315	314	310	300	286	288	283	288	304	309	312	314	305	309	309	306
22 Q	309	309	311	309	309	311	313	312	313	314	312	309	303	301	294	289	291	299	305	312	317	319	317	318	308
23 Q	317	316	314	312	312	313	314	315	314	315	314	315	309	304	291	285	286	295	310	319	319	319	317	317	310
24 Q	314	314	313	312	311	310	311	310	314	317	320	319	310	297	289	289	291	302	310	320	322	321	320	321	311
25	322	317	303	299	286	279	266	270	294	313	321	314	299	295	286	285	285	288	294	303	308	312	312	312	299
26	311	301	293	302	308	305	310	312	311	313	314	310	305	295	284	274	270	279	294	309	309	307	321	309	302
27	294	296	301	306	306	309	309	309	306	307	309	309	299	286	279	270	270	277	289	303	311	311	309	313	299
28 D	311	307	307	309	308	309	308	310	310	309	311	314	293	255	236	206	197	212	227	240	299	396	268	220	282
29 D	223	234	229	197	217	116	44	75	191	250	163	201	263	268	254	227	193	230	276	253	283	300	273	255	217
30	270	259	280	270	250	248	274	278	235	236	287	292	275	240	232	223	233	240	268	281	294	278	275	275	262
31	289	300	305	275	296	283	277	269	295	298	287	274	301	291	269	268	259	271	275	292	296	301	311	309	287
Mean	301	302	303	300	297	298	290	295	301	306	305	306	298	287	276	270	273	282	292	302	307	311	306	302	296

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt

D = 7° W + . . . '

October 1942

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	31.0	31.1	31.3	31.3	31.1	30.8	31.8	31.1	30.9	30.6	30.2	28.9	27.2	26.2	26.8	30.2	33.9	36.5	36.7	36.6	35.1	33.5	32.5	32.8	31.6
2 D	32.8	31.4	30.2	29.6	30.5	30.3	30.2	29.2	28.4	26.6	23.2	20.7	33.1	42.2	38.4	41.1	34.8	40.4	45.1	40.1	29.6	33.5	36.2	33.6	33.0
3 D	26.3	15.0	18.8	46.6	24.3	28.9	28.0	34.4	24.1	25.9	33.0	35.7	36.8	41.1	36.1	39.2	39.5	38.7	36.0	34.1	39.5	35.3	30.5	20.5	32.0
4	28.7	24.3	30.2	30.2	38.7	38.9	26.1	36.6	33.6	26.1	29.3	32.9	33.0	35.7	33.9	34.0	35.2	32.4	33.3	36.6	35.7	33.1	24.1	24.3	32.0
5	26.9	28.0	26.1	25.8	30.3	41.2	34.6	27.9	30.3	38.1	42.0	42.1	34.0	33.7	35.3	38.5	35.8	35.6	35.2	34.0	33.0	32.2	32.0	27.6	33.3
6	26.2	31.2	31.8	32.4	32.9	33.3	30.8	29.8	34.5	29.7	29.4	29.4	28.3	27.0	29.6	31.2	31.8	32.9	31.9	32.3	33.1	33.2	31.3	32.4	31.1
7	31.9	21.2	26.2	30.0	29.4	33.0	40.3	27.1	26.1	28.0	28.7	28.1	27.0	33.3	33.5	33.0	37.1	38.5	39.7	38.5	37.3	35.5	34.2	32.5	32.1
8	31.8	30.7	29.0	27.8	30.6	31.0	32.0	30.6	29.9	29.1	27.1	26.2	26.7	26.7	27.3	29.4	34.9	37.9	40.1	41.1	37.7	34.4	33.0	32.5	31.6
9 Q	30.8	26.1	29.4	30.3	31.0	36.1	31.6	30.6	28.8	27.1	25.7	25.2	25.3	24.4	27.9	31.2	36.1	38.8	39.0	36.1	33.5	32.1	31.2	31.7	30.9
10	31.6	31.3	30.9	31.2	31.5	31.5	31.0	30.0	29.7	29.4	29.2	27.9	24.9	23.4	24.9	28.3	33.7	37.3	38.0	36.2	34.3	33.3	34.0	31.9	31.0
11	30.9	30.9	31.2	30.8	31.0	30.9	31.8	30.9	30.1	30.3	27.0	25.2	23.5	22.8	24.9	31.0	37.1	38.5	38.1	36.7	38.2	37.2	34.9	32.4	31.5
12 D	32.4	28.8	13.5	26.7	25.3	35.1	37.2	36.1	34.0	29.7	51.2	34.4	34.0	25.0	22.8	29.4	34.6	37.8	36.3	36.7	35.1	33.5	34.5	29.0	32.2
13	31.2	26.2	25.0	30.8	31.7	33.3	30.8	30.6	28.2	36.1	33.3	28.7	24.9	27.0	28.0	31.7	32.4	39.1	38.9	38.2	35.3	33.6	27.0	30.0	31.3
14	30.6	25.8	25.8	26.7	28.5	29.6	29.7	31.8	33.5	29.7	30.5	31.4	35.1	30.9	29.7	31.2	35.1	36.8	38.7	36.1	34.3	33.3	30.4	30.4	31.5
15	29.0	28.0	26.4	28.8	30.5	30.3	23.9	32.7	33.5	33.3	30.3	28.8	28.7	29.6	31.0	34.5	34.9	38.5	39.7	36.7	38.5	35.5	23.0	34.1	31.7
16	33.3	21.5	29.9	32.1	34.4	35.0	34.1	31.9	34.4	32.6	34.0	30.9	29.7	32.1	30.0	32.1	36.2	38.5	37.3	37.8	35.3	34.7	34.0	33.0	33.1
17	25.0	27.6	31.0	31.0	28.5	34.1	29.9	29.4	32.0	31.5	31.5	29.4	27.7	28.3	28.5	31.2	34.0	34.2	35.1	35.1	36.1	33.3	32.5	32.5	31.2
18	31.4	29.9	29.1	28.8	34.2	37.6	34.9	36.2	32.3	29.9	29.7	30.7	31.5	31.7	34.0	34.9	37.0	36.1	39.8	37.0	37.2	34.3	33.3	31.2	33.4
19	20.3	20.6	28.3	29.4	27.6	35.4	49.8	35.1	27.6	30.3	35.3	36.2	35.7	38.3	36.3	37.9	37.1	33.3	34.1	33.9	34.6	33.3	33.0	32.5	33.1
20	30.3	26.7	28.2	28.5	31.2	26.7	30.3	29.4	29.4	30.5	29.7	30.9	30.6	31.8	35.2	37.9	41.7	40.2	34.2	33.5	33.1	32.5	32.3	31.9	32.0
21	31.4	31.9	31.7	31.4	31.6	31.2	31.0	30.3	31.2	29.6	29.7	29.1	28.6	30.3	32.4	35.8	40.8	39.9	38.0	36.1	33.9	32.6	32.6	32.1	32.6
22 Q	30.7	31.4	30.8	30.6	31.5	32.9	32.4	31.6	31.1	30.8	29.7	29.5	30.3	29.4	29.6	32.8	35.3	36.3	36.1	35.1	34.2	33.3	33.0	32.1	32.1
23 Q	32.7	31.3	32.1	32.7	32.3	31.8	34.0	34.4	31.5	30.7	26.9	27.3	25.4	25.3	28.2	30.8	34.0	36.1	36.2	34.5	32.6	31.6	31.2	31.7	31.5
24 Q	31.2	31.1	30.6	31.5	31.1	31.3	31.4	30.9	30.5	30.2	29.4	28.4	27.3	27.0	28.8	33.2	34.7	35.8	36.4	34.9	33.5	32.4	32.4	31.9	31.5
25	31.5	31.6	27.0	25.5	26.7	26.2	27.6	33.2	26.2	25.8	27.3	25.7	27.9	26.2	29.8	35.1	36.6	37.7	37.7	36.5	34.5	33.0	32.5	32.0	30.6
26	31.5	30.5	25.9	29.7	30.5	30.6	31.7	32.1	31.2	31.2	30.7	30.0	28.6	27.9	27.9	31.2	34.0	36.6	37.9	37.3	36.7	33.5	32.2	31.7	31.7
27	25.8	22.8	28.5	30.7	31.5	33.4	32.8	31.4	33.5	33.1	32.1	30.6	29.0	27.9	27.6	31.2	35.8	37.7	37.9	37.8	36.2	34.0	32.3	31.5	31.9
28 D	31.0	31.2	31.5	30.5	31.2	31.4	31.3	31.4	30.8	33.0	32.7	28.5	29.4	27.8	31.4	32.3	49.6	44.9	47.2	46.7	42.3	21.2	39.9	25.8	33.9
29 D	29.1	29.6	25.3	31.0	24.2	39.9	60.3	52.2	21.7	34.6	50.3	78.1	53.1	33.0	30.2	31.4	38.8	41.5	38.0	37.8	35.2	24.9	25.7	29.0	37.3
30	23.4	27.0	19.4	27.0	26.1	33.3	38.5	29.4	40.1	47.2	35.5	34.0	33.8	38.5	36.1	40.8	37.9	40.2	37.6	36.1	34.2	30.6	26.7	27.9	33.4
31	30.6	25.3	29.1	31.0	34.0	33.5	34.1	38.9	35.8	31.9	33.5	49.9	46.9	40.7	31.7	33.2	40.3	40.3	37.2	35.3	36.2	29.4	30.3	31.7	35.1
Mean	29.8	27.8	27.9	30.3	30.5	32.9	33.3	32.5	30.9	31.0	31.9	32.0	31.0	30.5	30.6	33.4	36.5	37.7	37.7	36.6	35.4	32.7	31.7	30.8	32.3

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

Table 39 Agincourt

z = 56,000 γ +

October 1942

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	471	469	469	469	468	467	466	466	467	466	466	466	469	471	469	471	469	471	475	475	475	475	475	475	476	470
2 D	478	481	481	481	476	476	473	468	453	428	437	461	440	429	435	474	485	488	496	512	560	508	496	495	475	
3 D	506	471	419	348	328	407	360	358	430	451	455	458	461	462	463	468	485	489	504	511	505	506	507	498	452	
4	496	479	471	476	440	408	430	400	430	437	456	471	460	475	471	474	486	498	498	492	491	500	512	505	469	
5	502	475	481	452	461	417	437	450	449	453	441	435	451	463	479	474	474	480	481	484	489	490	494	491	467	
6	482	485	485	484	478	466	477	472	476	475	478	480	465	465	474	475	472	468	467	471	481	484	487	486	476	
7	489	481	471	483	484	463	435	458	471	471	473	473	471	465	459	465	465	463	474	476	478	482	487	488	472	
8	485	483	476	449	465	466	466	471	471	468	466	465	462	462	468	462	456	459	463	470	473	468	464	466	467	
9 Q	466	459	463	462	459	435	436	452	453	457	454	453	457	459	453	459	459	465	470	475	477	471	471	472	460	
10	472	473	476	475	473	472	473	475	475	469	471	472	471	473	470	463	463	473	479	485	485	486	479	478	474	
11	473	474	472	471	470	465	468	470	470	467	469	470	470	472	470	470	462	461	464	470	471	484	476	478	470	
12 D	489	489	464	425	460	465	464	462	465	444	409	440	445	472	475	479	480	488	491	492	491	485	493	495	469	
13	504	485	468	464	464	458	464	468	458	461	467	470	472	475	475	477	478	505	503	491	491	497	503	504	479	
14	499	503	487	484	478	444	454	470	470	470	479	476	465	472	470	498	477	470	469	482	503	505	507	493	481	
15	483	481	470	470	413	424	440	461	458	470	469	471	471	470	467	468	468	467	477	480	479	487	491	491	468	
16	487	456	467	468	458	440	450	452	455	461	458	458	463	475	474	469	474	476	482	489	494	485	481	482	469	
17	475	471	472	475	460	438	461	460	470	467	471	471	470	468	461	447	445	449	458	467	471	475	475	470	464	
18	468	467	465	464	455	451	448	444	444	458	458	459	460	458	455	454	458	468	475	481	482	485	481	486	464	
19	471	441	473	478	457	421	361	428	445	455	441	441	441	450	458	472	474	478	481	477	471	467	470	471	455	
20	470	471	470	450	458	451	464	459	456	458	458	464	464	461	462	480	478	476	473	470	468	471	470	471	465	
21	470	470	470	470	470	464	468	467	467	465	464	464	464	462	460	455	460	462	464	464	464	462	464	467	465	
22 Q	468	468	466	467	467	466	468	466	467	465	465	468	467	467	466	458	457	460	464	467	468	468	468	465	465	
23 Q	468	467	467	467	464	462	452	445	442	443	450	455	455	455	451	450	452	455	461	467	467	468	470	470	458	
24 Q	470	470	471	471	470	470	468	467	467	470	467	467	467	464	457	451	455	459	461	461	461	461	460	459	464	
25	458	458	457	446	445	431	409	385	429	458	463	461	460	458	452	446	441	447	454	460	464	467	465	464	449	
26	464	465	467	464	461	444	454	464	464	464	464	464	465	467	466	461	458	460	464	469	470	470	468	466	464	
27	469	465	464	465	461	454	457	460	460	458	458	461	462	462	461	455	464	460	462	464	467	464	463	462	461	
28 D	461	460	461	460	461	460	460	460	461	458	447	447	448	451	455	457	503	517	532	534	593	737	611	586	497	
29 D	557	519	500	401	431	347	265	241	318	409	339	280	387	448	461	473	488	504	509	534	564	524	530	440		
30	517	498	451	452	437	371	392	428	418	414	428	449	461	470	488	490	511	509	514	505	498	505	501	497	467	
31	507	490	476	467	465	433	413	429	463	472	464	441	448	455	475	473	469	475	487	489	487	487	481	478	468	
Mean	483	475	469	460	456	443	439	444	452	457	454	455	458	463	464	467	470	474	479	483	487	493	487	485	467	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt

October 1942

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	18 00	334	15 55	280	54	19 05	37.5	13 50	25.7	11.8	22 35	477	14 55	464	13
2 D	07 10	334	15 20	217	117	13 00	51.1	11 35	18.8	32.3	16 23	589	05 30	394	195
3 D	18 17	313	04 25	090	223	03 07	57.5	00 01	-2.9	60.4	00 33	536	04 20	207	329
4	01 54	329	07 18	237	92	04 56	52.5	22 55	15.0	37.5	22 15	524	01 15	372	152
5	12 02	328	08 53	258	70	11 00	45.5	01 00	13.0	32.5	00 10	507	01 56	379	128
6	22 50	321	15 00	277	44	08 34	37.6	00 01	22.5	15.1	00 01	489	05 33	458	31
7	11 06	321	15 05	272	49	06 08	51.9	01 35	11.2	40.7	01 25	520	06 20	417	103
8	02 45	337	16 05	277	60	19 00	42.3	02 50	23.3	19.0	00 01	487	17 15	455	32
9 Q	20 00	334	15 55	285	49	05 20	43.0	01 05	19.7	23.3	20 15	481	06 00	437	44
10	21 24	344	15 37	281	63	18 30	38.5	14 05	21.6	16.9	20 25	487	16 00	453	34
11	19 36	386	15 05	266	120	17 10	40.0	13 05	20.5	19.5	21 38	486	17 10	460	26
12 D	20 20	334	10 35	212	122	10 38	62.0	02 34	-2.0	64.0	02 15	519	10 35	362	157
13	20 54	345	13 40	193	152	18 55	42.6	01 35	14.7	27.9	01 25	519	08 45	446	73
14	22 42	322	15 05	211	111	18 46	41.2	01 45	10.6	30.6	17 43	527	05 45	418	109
15	21 19	330	14 22	253	77	04 55	45.4	04 10	18.0	27.4	22 10	504	04 50	365	139
16	01 32	342	15 58	253	89	18 18	41.2	01 10	11.9	29.3	01 05	563	05 30	434	129
17	04 55	334	14 12	274	60	05 05	38.0	00 20	16.3	21.7	00 15	482	01 15	422	60
18	20 02	335	18 18	258	77	18 21	43.5	23 59	22.4	21.1	21 05	493	07 20	431	62
19	01 14	355	13 09	243	112	06 12	57.2	01 07	-8.8	66.0	01 02	524	02 25	334	190
20	03 18	335	15 16	235	100	17 00	45.2	01 05	14.3	30.9	16 10	484	05 15	435	49
21	20 25	319	16 06	279	40	17 20	41.9	13 10	27.7	14.2	04 50	472	16 00	452	20
22 Q	22 53	321	16 08	286	35	17 30	36.3	13 45	28.3	08.0	04 25	470	16 10	457	13
23 Q	20 33	322	16 00	283	39	18 04	37.3	12 55	24.3	13.0	23 05	471	09 05	441	30
24 Q	19 40	325	14 27	286	39	18 15	36.7	13 55	26.2	10.5	03 00	471	15 40	449	22
25	10 15	329	07 00	253	76	17 20	37.8	02 35	21.3	16.5	21 40	468	07 13	375	93
26	18 34	327	16 28	264	63	18 50	38.4	02 35	23.0	15.4	20 50	472	05 15	438	34
27	20 34	316	15 55	263	53	19 05	38.5	01 35	18.8	19.7	20 35	470	15 45	452	18
28 D	21 46	386	16 38	167	219	16 28	57.1	21 25	16.7	40.4	21 34	784	10 30	444	340
29 D	21 30	350	06 48	-104	454	11 17	94.6	07 47	-0.3	94.9	21 30	701	06 55	148	553
30	16 35	303	08 58	184	119	09 20	53.2	02 00	-14.6	67.8	00 41	563	06 00	339	224
31	01 48	338	16 27	250	88	12 00	55.0	01 40	17.1	37.9	00 55	524	06 20	389	135
Mean		334		235	99		46.5		15.3	31.2		518		404	114
No. days		31		31	31		31		31	31		31		31	31

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 41 Agincourt

H = 15,000 γ +

November 1942

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	314	306	302	305	311	298	286	288	305	310	303	305	306	297	290	279	281	286	295	305	311	310	315	312	301	
2	301	292	294	308	305	297	303	305	296	295	308	328	319	310	295	264	267	266	276	295	300	310	306	297	298	
3	297	302	305	306	300	302	301	305	308	304	303	308	302	290	290	284	282	282	291	300	302	306	305	300	299	
4	302	305	305	301	307	310	294	289	305	305	306	306	311	300	288	282	286	292	300	306	310	315	314	300	302	
5	299	292	303	305	307	310	311	311	310	312	312	311	304	290	281	277	280	286	306	312	325	327	315	298	304	
6	297	303	305	305	308	307	307	307	305	306	312	311	303	296	280	272	279	289	302	308	311	310	310	313	302	
7	314	311	312	312	310	320	295	303	304	303	310	313	305	291	288	290	295	298	305	311	317	323	323	322	307	
8	315	310	313	310	312	305	310	302	292	300	306	305	302	296	298	302	297	299	308	321	309	305	313	313	306	
9 Q	300	295	302	308	301	298	303	304	303	303	306	307	303	296	290	288	288	295	307	309	315	320	315	317	303	
10	315	316	315	310	305	305	307	308	311	315	323	325	318	294	296	291	300	307	315	320	312	315	318	310	310	
11	307	296	303	313	303	309	311	307	315	310	312	311	300	303	293	285	287	296	301	303	315	314	310	300	304	
12	310	305	308	320	310	305	301	311	310	311	310	310	306	295	280	284	287	297	303	310	314	312	305	290	304	
13	292	303	305	310	310	310	311	310	310	312	311	314	317	298	280	285	292	292	292	301	300	304	308	311	303	
14	303	300	305	298	298	305	297	295	295	305	305	305	298	290	285	287	287	296	297	310	310	301	301	302	299	
15	304	300	318	299	300	302	301	302	303	304	305	300	294	282	269	268	276	287	298	297	300	308	305	284	296	
16 Q	284	305	310	308	304	304	303	305	305	306	306	306	300	292	284	283	286	298	305	308	307	309	311	311	302	
17 Q	310	312	312	310	312	310	308	306	310	309	312	308	303	308	298	295	300	307	310	311	312	312	307	296	307	
18	290	295	297	305	305	307	308	305	299	311	320	321	321	310	308	302	308	315	318	313	310	320	323	320	310	
19 Q	317	317	315	315	310	313	320	321	321	323	322	323	326	317	311	307	308	310	317	320	323	331	335	330	319	
20	324	315	309	316	330	318	318	323	321	322	312	328	332	321	313	311	300	299	290	307	322	326	312	306	315	
21	308	315	315	312	310	320	323	315	315	316	315	312	316	314	305	296	297	298	310	318	313	311	310	313	311	
22 Q	311	312	313	311	310	310	310	310	310	310	311	310	306	299	290	290	295	298	304	311	318	316	321	325	308	
23 D	326	321	322	321	311	311	319	321	312	314	316	313	307	297	297	279	291	300	306	319	312	306	323	265	309	
24 D	283	207	248	244	215	163	209	207	164	152	243	292	259	265	280	275	274	270	270	280	293	302	303	297	250	
25 D	284	264	265	270	286	283	291	285	285	296	275	306	310	291	280	261	275	287	298	306	311	296	297	311	288	
26 D	305	292	255	316	281	291	292	292	293	283	290	309	297	280	272	276	259	261	296	293	275	301	287	285	287	
27	301	298	289	289	285	291	292	298	278	279	308	302	292	283	268	272	280	289	298	296	293	293	304	293	290	
28 D	301	293	296	297	291	293	286	281	291	291	276	283	280	269	260	263	237	251	253	264	298	305	278	285	280	
29	282	278	286	287	288	292	286	281	288	276	288	301	288	288	289	265	272	273	284	296	301	301	294	291	286	
30	296	296	300	301	302	290	296	290	295	302	303	302	303	299	297	293	288	288	286	286	296	302	301	298	296	
31 ¹																										
Mean	303	298	301	303	301	299	300	299	299	299	304	309	304	295	288	283	285	290	298	304	308	310	309	303	300	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt

D = 7° W + . . . '

November 1942

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	27.4	28.5	28.8	30.9	36.3	32.3	33.0	37.0	36.1	28.1	30.6	32.9	31.5	32.5	31.2	33.3	34.5	35.8	37.0	36.4	35.1	33.3	32.3	31.7	32.8	
2	30.7	30.5	27.1	31.8	33.0	31.5	33.3	32.7	34.0	36.3	39.1	37.1	34.8	34.9	33.4	34.2	38.0	40.0	40.8	37.6	33.6	33.1	33.8	32.4	34.3	
3	31.4	30.5	31.7	32.1	31.2	32.9	37.1	33.9	31.7	29.7	29.7	33.0	33.0	35.8	34.9	36.7	37.0	39.0	38.1	36.5	34.0	33.3	34.0	33.6	33.8	
4	32.6	31.5	31.7	30.7	29.7	31.6	32.2	42.6	30.8	26.1	26.5	38.0	29.4	28.6	29.9	32.4	35.1	35.3	35.1	34.1	33.0	32.4	31.9	31.5	32.2	
5	31.5	30.6	31.6	32.0	31.9	31.6	31.4	30.7	30.1	29.9	29.4	29.3	28.8	28.9	31.1	32.4	34.3	35.5	35.5	34.7	33.0	32.5	33.0	34.3	31.9	
6	32.4	30.8	26.0	32.6	33.1	33.1	32.1	30.8	30.1	31.8	29.7	28.7	28.0	27.7	29.8	32.6	37.0	36.9	36.0	34.6	33.6	33.4	33.1	31.6	31.9	
7	30.3	25.5	29.1	32.0	31.7	35.3	30.7	31.0	29.9	28.8	28.0	27.0	27.0	28.8	29.7	31.5	34.0	34.9	35.4	35.8	35.3	35.5	33.5	31.8	31.3	
8	31.6	29.7	30.2	29.8	28.8	23.7	29.6	28.6	28.7	35.4	27.0	25.4	26.0	28.0	26.7	29.7	32.5	34.4	34.5	35.3	36.9	34.0	32.1	31.5	30.6	
9 Q	31.4	30.0	29.4	30.7	30.7	31.6	31.5	31.3	30.6	30.3	29.6	29.4	28.4	27.1	27.1	29.0	32.5	34.9	35.7	34.2	32.9	33.0	31.5	30.5	31.0	
10	28.7	29.5	29.6	30.0	30.0	30.1	28.8	30.0	29.9	29.0	27.9	27.0	25.8	25.5	31.0	30.6	34.5	37.2	36.7	35.5	35.0	32.7	30.8	31.0	30.7	
11	31.7	28.0	24.9	29.7	29.9	32.4	33.3	33.4	32.4	29.6	29.4	27.6	27.8	27.1	27.6	30.6	33.1	35.5	36.8	36.7	35.1	34.0	32.2	27.9	31.1	
12	28.7	29.6	28.3	33.2	30.3	32.7	37.1	32.6	32.1	31.2	31.6	29.8	27.6	26.0	26.8	29.6	32.7	34.9	36.1	35.3	34.1	32.9	31.5	29.1	31.4	
13	26.7	29.0	29.2	30.7	30.6	31.7	31.3	30.8	32.1	28.9	30.0	30.6	26.7	26.1	29.4	36.7	36.2	38.1	38.4	37.1	37.6	34.0	30.9	27.1	31.7	
14	30.4	29.1	28.9	29.4	32.0	37.1	35.1	28.7	35.6	31.9	27.1	28.2	28.0	28.1	29.4	32.4	34.2	36.2	36.5	34.0	34.5	30.0	32.8	27.0	31.5	
15	21.7	28.5	29.1	29.2	31.2	32.4	31.8	31.3	30.6	30.5	30.1	30.0	29.6	28.1	30.3	34.2	37.0	37.0	35.4	34.0	32.5	31.9	32.1	29.4	31.1	
16 Q	22.4	29.6	30.6	30.8	30.9	30.5	30.5	30.4	29.6	29.2	29.8	29.7	29.5	29.1	29.7	32.0	33.7	34.9	34.4	33.6	32.2	32.1	31.5	31.0	30.8	
17 Q	30.3	30.3	30.3	31.0	30.7	31.7	33.7	31.4	29.4	27.0	27.6	29.6	33.2	31.4	32.4	37.0	38.4	37.8	36.3	34.6	33.3	32.1	31.5	28.4	32.0	
18	29.4	27.6	29.7	31.4	32.1	31.6	31.7	34.4	36.1	38.0	27.6	29.3	29.6	29.0	30.0	32.9	33.0	34.2	34.4	34.0	34.0	32.4	31.7	30.9	30.6	31.4
19 Q	30.5	30.3	30.0	30.6	31.9	31.9	32.9	31.6	29.1	29.0	29.9	31.4	29.4	27.9	27.1	30.3	32.4	34.1	34.0	33.8	32.4	31.7	30.9	30.6	31.0	
20	30.5	30.7	30.9	30.0	27.1	30.8	31.2	30.3	28.4	27.7	28.5	31.5	29.6	29.1	29.5	31.7	34.2	35.8	40.3	39.1	35.9	34.0	33.5	32.4	31.8	
21	31.2	30.3	30.2	31.0	30.9	31.0	35.2	29.9	29.0	29.4	29.7	31.7	28.7	27.6	28.1	30.0	31.7	34.4	34.9	34.9	34.2	33.7	31.9	31.0	31.2	
22 Q	30.1	29.9	30.3	30.6	31.1	31.1	31.2	30.6	32.3	31.3	29.7	29.7	29.4	29.4	30.9	32.5	34.0	35.1	34.7	33.3	32.1	31.2	30.5	29.5	31.2	
23 D	29.4	29.7	29.7	29.8	30.5	30.5	31.7	31.4	29.7	29.3	28.3	28.6	32.9	36.2	36.1	36.9	41.2	40.3	36.6	35.3	35.1	38.1	31.0	15.4	32.2	
24 D	27.6	15.8	24.2	19.6	21.2	39.4	48.8	30.7	43.7	54.9	34.1	28.8	37.3	36.3	34.0	32.5	33.7	36.2	37.1	35.8	27.2	33.0	31.2	31.0	33.0	
25 D	30.6	19.4	32.3	36.3	29.7	29.4	35.3	37.1	36.3	33.2	40.7	39.1	32.3	36.0	38.1	40.5	36.9	39.1	37.1	35.5	33.2	30.8	29.1	32.1	34.1	
26 D	31.5	29.6	23.3	23.2	29.0	33.0	34.5	34.0	35.8	36.1	38.5	34.6	30.7	36.7	37.0	37.2	35.8	39.1	37.7	37.0	33.5	33.5	31.6	25.8	33.3	
27	31.2	30.9	28.9	29.5	34.0	30.6	33.1	30.6	29.7	44.0	29.5	32.1	30.3	28.5	30.5	33.0	34.9	36.7	36.8	37.1	37.9	35.1	32.6	31.2	32.9	
28 D	32.1	31.3	31.6	34.0	32.5	31.5	32.5	33.5	33.5	31.2	36.1	37.7	36.3	38.7	36.7	38.9	38.1	38.6	39.7	40.8	37.0	34.0	34.9	27.5	35.0	
29	26.2	27.8	34.4	30.9	33.3	32.4	33.0	33.0	32.1	36.4	36.1	31.7	35.3	33.1	31.4	35.3	37.1	40.0	39.6	36.4	33.0	31.7	32.1	32.0	33.5	
30	31.2	31.2	30.5	28.7	28.1	31.1	31.6	36.0	33.2	30.6	29.0	29.4	29.9	33.9	34.9	34.9	35.8	35.8	35.1	35.0	33.8	32.2	31.5	30.0	32.2	
31																										
Mean	29.7	28.9	29.4	30.4	30.8	32.0	33.2	32.3	32.1	31.9	30.7	31.0	30.2	30.5	31.1	33.3	35.1	36.6	36.6	35.6	34.0	33.0	32.0	30.0	32.1	

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

Table 43 Agincourt

z = 56,000 γ +

November 1942

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	474	471	468	468	448	443	444	439	433	448	456	462	462	466	467	463	463	469	469	470	473	474	471	469	461	
2	471	474	469	440	435	451	457	463	459	443	437	440	439	447	451	457	467	471	480	483	487	481	475	475	460	
3	474	471	465	464	469	460	447	446	449	450	454	459	465	466	469	465	469	473	476	475	479	477	475	476	466	
4	473	471	471	471	470	469	459	414	424	451	455	443	445	454	460	459	459	461	465	469	469	467	468	470	459	
5	469	469	470	469	467	467	464	463	464	464	463	462	466	466	464	469	467	470	471	470	469	466	466	475	467	
6	478	475	470	463	469	469	467	466	466	464	463	463	466	466	463	463	463	467	470	471	469	469	467	466	467	
7	466	463	461	463	463	441	441	457	461	463	466	464	463	463	460	463	466	470	475	475	476	474	471	472	464	
8	478	474	472	471	470	473	477	466	461	457	457	461	466	469	471	463	463	465	469	474	475	475	473	476	469	
9 Q	483	482	482	479	480	479	471	474	476	474	477	477	477	473	469	467	463	469	473	473	473	473	472	471	474	
10	473	469	469	470	471	472	469	469	472	472	469	466	466	464	468	464	464	469	470	471	475	477	477	475	470	
11	481	491	480	476	470	471	463	455	461	464	466	467	465	463	461	457	459	461	465	470	470	465	467	469	467	
12	469	467	460	438	451	451	441	451	460	460	460	461	459	457	451	448	451	454	460	465	467	466	466	466	457	
13	469	467	469	464	463	462	457	458	461	457	457	457	457	457	454	454	457	456	460	460	467	473	475	471	475	463
14	471	473	469	469	466	443	440	432	454	457	451	457	459	461	459	457	467	471	477	478	480	481	477	481	464	
15	471	465	457	461	466	469	469	469	467	467	467	467	469	467	467	459	454	457	463	471	476	477	475	474	467	
16 Q	478	475	473	470	470	470	470	471	470	469	469	466	468	466	463	461	463	467	469	472	472	470	469	469	469	
17 Q	470	469	469	467	466	466	463	457	459	462	463	461	463	460	459	457	456	457	464	470	472	471	472	475	464	
18	481	484	485	478	473	471	471	458	440	450	460	463	465	459	451	448	453	454	457	461	462	463	461	460	463	
19 Q	458	459	458	457	459	452	450	448	455	456	454	454	453	452	446	442	444	448	453	455	456	457	456	455	453	
20	455	456	460	455	438	448	454	455	455	453	445	447	443	444	443	439	440	447	456	465	468	468	467	472	453	
21	473	468	465	459	458	441	427	448	453	457	456	454	456	456	452	453	459	462	465	468	468	469	471	470	459	
22 Q	470	468	465	465	463	463	463	462	462	462	463	463	463	465	465	464	464	464	464	468	468	468	464	464	465	
23 D	463	462	462	460	459	459	453	456	458	458	459	458	460	461	459	463	473	463	463	471	473	498	630	584	475	
24 D	636	535	499	453	405	347	278	236	180	192	360	449	442	459	463	468	470	473	491	515	527	487	480	483	430	
25 D	482	476	475	420	445	460	452	453	443	454	436	456	452	456	458	464	482	472	478	477	479	497	489	480	464	
26 D	479	479	472	440	456	469	460	455	443	416	446	452	454	459	460	466	470	486	482	489	501	487	485	486	466	
27	478	473	471	468	459	453	461	449	437	422	438	449	458	464	462	464	465	465	469	469	477	477	478	483	462	
28 D	478	476	478	474	474	482	468	458	446	446	436	440	442	461	465	474	487	505	517	500	485	482	487	496	473	
29	490	495	483	480	480	470	471	465	461	454	462	467	461	470	467	463	476	474	482	478	476	477	475	475	473	
30	475	472	473	471	467	467	467	461	452	467	468	471	474	471	467	464	464	472	476	478	478	476	476	475	470	
31																										
Mean	479	474	471	463	461	458	453	448	446	447	454	459	459	461	460	460	463	467	471	474	476	475	478	477	464	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt

November 1942

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	00 40	327	16 30	272	55	08 11	42.1	00 20	19.2	22.9	00 30	480	08 08	421	59
2	11 30	332	15 47	256	76	18 45	41.9	02 55	25.7	16.2	19 55	488	03 55	418	70
3	22 00	313	17 33	278	35	17 30	39.6	01 55	27.6	12.0	20 35	480	07 05	441	39
4	20 03	327	07 07	276	51	07 30	46.7	09 35	24.1	22.6	16 05	479	07 50	398	81
5	20 59	339	15 37	276	63	18 05	36.0	13 40	27.6	08.4	23 50	480	06 40	462	18
6	02 37	326	15 16	269	57	16 55	37.8	02 35	17.6	20.2	02 22	500	02 58	450	50
7	05 29	337	13 32	280	57	05 40	38.5	01 45	23.2	15.3	18 50	479	05 45	423	56
8	19 54	327	08 45	286	41	09 14	42.3	11 11	23.8	18.5	20 55	483	09 45	439	44
9 Q	22 02	326	16 39	286	40	18 13	36.0	15 20	25.8	10.2	01 07	485	16 10	461	24
10	20 20	328	13 48	270	58	18 13	38.3	12 35	22.3	16.0	22 00	482	13 30	462	20
11	22 37	324	16 01	275	49	19 20	38.5	02 50	20.3	18.2	01 15	497	07 30	451	46
12	03 00	330	14 45	273	57	06 15	40.2	02 45	25.3	14.9	00 15	470	03 27	428	42
13	11 47	312	14 06	269	43	18 05	39.9	23 40	22.8	17.1	23 18	481	13 52	448	33
14	05 14	315	16 38	275	40	05 25	41.4	23 25	20.0	21.4	21 38	487	07 35	422	65
15	02 32	338	14 34	264	74	17 20	38.5	00 39	05.5	33.0	00 30	481	02 43	439	42
16 Q	23 09	316	00 01	269	47	18 00	35.0	00 05	19.8	15.2	00 50	478	15 30	460	18
17 Q	21 50	316	15 00	289	27	17 00	39.0	23 55	24.8	14.2	23 50	479	16 10	453	26
18	11 16	326	02 05	285	41	08 15	39.6	01 25	24.8	14.8	02 10	487	08 48	432	55
19 Q	22 00	341	17 02	303	38	06 46	35.4	15 05	26.4	09.0	20 18	460	15 30	441	19
20	11 38	338	18 29	279	59	18 50	43.1	04 00	22.0	21.1	23 45	476	04 05	436	40
21	06 08	332	17 18	272	60	06 25	37.5	13 46	25.8	11.7	00 10	473	06 25	423	50
22 Q	23 55	328	15 18	285	43	17 58	36.0	13 15	28.5	07.5	00 15	471	08 38	459	12
23 D	22 55	352	23 59	243	109	17 00	44.6	22 54	-3.8	48.4	22 52	713	06 35	450	263
24 D	00 42	401	09 40	043	358	09 02	72.4	20 25	15.7	56.7	00 45	768	05 30	151	617
25 D	21 03	322	02 05	243	79	02 55	41.9	01 10	13.0	28.9	21 42	519	03 45	376	143
26 D	03 24	342	02 54	220	122	17 30	43.2	03 00	-4.4	47.6	20 45	509	09 51	397	112
27	11 01	315	14 20	263	52	09 20	52.0	08 30	25.2	26.8	23 35	485	09 48	408	77
28 D	21 20	312	16 19	224	88	19 15	46.4	23 55	14.3	32.1	18 15	524	11 00	420	104
29	00 07	316	15 59	252	64	10 07	42.4	00 01	19.4	23.0	01 05	501	10 05	442	59
30	04 25	306	08 00	280	26	07 50	41.7	04 05	27.2	14.5	19 55	481	08 33	445	36
31															
Mean		329		262	67		41.6		20.3	21.3		502		425	77
No. days		30		30	30		30		30	30		30		30	30

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 45 Agincourt

H = 15,000 γ +

December 1942

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	297	301	300	301	301	302	302	302	305	304	307	309	307	303	298	293	292	296	298	288	304	306	301	297	301
2	296	307	307	306	305	306	306	307	308	308	310	308	307	301	298	298	299	301	304	305	306	311	307	305	305
3	303	306	305	306	304	304	305	302	304	305	306	308	308	302	296	293	291	293	303	309	311	312	309	286	303
4	299	300	304	300	299	293	308	293	296	299	303	303	307	302	281	297	302	299	300	301	303	306	305	302	300
5	301	287	281	285	296	297	299	301	302	303	303	303	303	298	297	289	286	293	299	304	303	306	306	306	298
6	303	302	301	301	302	304	306	306	309	311	309	308	307	301	291	295	295	299	306	307	307	306	302	301	303
7	306	304	302	297	297	304	306	308	308	307	316	318	319	314	303	285	276	288	298	302	307	293	293	283	301
8	288	287	294	296	297	298	297	296	297	305	306	305	307	300	289	282	279	288	299	303	289	293	302	294	296
9 D	297	298	282	292	292	297	301	303	299	304	308	311	312	298	264	290	291	283	288	297	305	297	319	259	295
10 D	257	247	252	269	290	277	284	282	279	297	297	296	293	286	281	280	274	279	292	300	300	293	303	306	284
11	306	305	303	312	289	289	299	296	288	288	303	298	291	286	287	282	281	288	297	303	312	312	305	221	293
12	287	300	307	304	304	304	303	309	298	292	303	302	293	293	285	277	275	281	291	300	305	306	299	296	297
13	293	297	299	299	301	299	299	302	301	302	302	305	305	302	297	286	286	284	289	294	298	302	303	300	298
14	299	294	289	291	288	289	296	299	290	290	299	305	302	303	295	285	279	274	281	292	303	304	300	299	293
15	297	297	297	302	299	300	300	299	299	299	303	305	308	308	310	307	302	299	302	307	313	317	315	309	304
16	296	296	297	297	298	297	289	293	294	303	302	304	309	312	308	294	287	284	289	300	307	307	304	305	299
17 Q	303	302	300	300	299	299	301	302	302	303	307	312	309	308	302	297	289	287	291	294	300	308	302	303	301
18 Q	299	298	297	298	303	303	305	307	307	308	308	312	312	311	306	298	297	294	300	305	310	313	313	309	305
19 Q	306	304	304	298	298	301	305	307	304	307	309	309	306	305	302	298	299	300	304	307	312	313	313	307	305
20	302	298	294	294	297	298	300	302	302	305	304	303	302	299	297	291	289	286	286	302	311	317	314	299	300
21 D	302	307	282	277	268	270	287	298	299	289	322	313	266	302	306	266	244	267	278	287	291	294	284	287	287
22	282	289	288	262	277	282	289	291	286	289	292	283	291	292	284	281	282	284	288	292	302	307	307	305	289
23 D	302	304	302	300	297	298	293	271	273	261	249	261	266	256	287	289	281	249	269	283	292	284	289	292	281
24	283	285	292	289	285	283	288	288	280	272	299	311	307	299	287	291	291	290	290	297	301	298	274	294	290
25	301	288	267	293	302	301	300	301	300	298	303	308	308	302	295	287	275	278	293	303	306	298	295	293	295
26 D	287	274	289	274	305	288	285	295	303	304	294	293	302	298	287	290	289	278	278	285	285	275	274	274	288
27	290	293	292	285	280	294	289	289	293	298	303	303	304	302	300	295	289	284	285	293	301	304	301	303	294
28	296	293	293	290	295	299	305	308	304	308	309	313	312	314	313	301	290	285	288	297	306	311	312	313	302
29	307	304	303	300	302	306	306	309	309	313	313	313	311	308	308	298	287	283	290	298	304	308	313	311	304
30 Q	308	308	306	305	308	311	311	311	311	313	314	315	316	316	313	301	295	298	303	309	315	318	318	316	310
31 Q	310	303	303	307	308	309	310	313	314	315	316	317	316	314	308	300	295	293	297	305	318	324	321	318	310
Mean	297	296	294	294	296	297	299	300	299	300	304	305	303	301	296	291	287	286	292	299	304	304	303	297	298

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt

D = 7° W + . . . ' .

December 1942

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	27.7	30.4	30.8	31.0	30.7	31.5	31.8	31.9	32.7	30.4	30.6	30.6	30.4	30.0	29.6	30.7	31.6	33.3	34.6	36.1	33.8	32.7	32.0	32.3	31.5
2	30.1	30.9	30.4	30.4	30.7	30.7	30.4	30.5	30.6	30.7	30.7	30.7	30.6	30.2	29.7	31.0	32.1	33.0	34.0	33.8	33.4	33.1	32.2	32.0	31.3
3	31.8	30.9	30.7	30.4	31.0	31.3	31.6	31.0	31.1	30.9	30.9	30.7	30.6	29.8	29.7	31.3	33.3	35.3	35.5	34.8	33.6	33.3	32.9	28.6	31.7
4	33.0	31.3	30.2	30.7	30.5	31.2	32.0	28.6	29.4	29.2	30.4	30.4	29.7	29.8	36.5	40.4	37.2	35.0	35.2	34.0	33.0	32.0	32.0	31.6	32.2
5	31.1	29.5	25.9	29.7	31.0	31.8	32.4	31.8	31.3	30.8	30.3	30.3	30.2	30.3	30.6	32.5	33.6	34.5	35.1	33.6	32.7	31.8	30.9	30.6	31.3
6	30.4	30.1	30.2	30.5	30.7	31.0	31.3	31.0	30.8	30.7	30.4	30.6	30.6	29.5	30.1	29.8	31.3	33.6	34.5	34.5	33.8	33.2	30.9	30.4	31.2
7	30.5	30.5	30.5	30.5	30.4	30.9	31.3	31.3	31.3	33.0	29.8	27.8	33.2	31.1	29.7	33.1	40.1	41.7	40.8	40.3	38.6	37.6	35.0	31.3	33.3
8	31.6	29.0	28.6	30.0	31.5	30.9	32.2	31.2	36.1	29.5	28.2	28.6	28.1	30.6	32.4	34.2	38.0	40.9	40.8	39.8	41.2	38.2	34.0	31.5	33.2
9 D	29.5	28.7	19.7	25.1	29.8	31.6	32.6	31.6	29.1	31.0	29.7	30.0	27.3	28.0	33.1	37.9	35.5	40.9	40.9	42.9	41.6	38.1	30.7	25.8	32.1
10 D	27.2	22.4	17.9	15.2	36.8	33.6	32.9	35.1	39.3	32.6	29.7	30.6	29.6	30.4	28.6	30.7	34.0	36.2	36.8	36.1	35.2	32.0	31.0	30.6	31.0
11	30.1	30.1	29.3	25.9	32.4	31.5	32.3	32.1	33.0	35.6	30.6	30.0	30.6	34.6	31.0	31.6	34.3	36.2	36.2	35.6	33.4	32.5	32.5	28.9	32.0
12	27.5	29.8	29.6	30.4	31.3	32.0	34.0	36.3	33.0	32.2	32.0	33.0	35.9	32.7	29.2	30.6	32.5	35.3	36.1	34.8	33.2	32.0	31.6	32.0	32.4
13	29.3	29.8	29.7	29.7	30.4	30.7	31.3	32.5	31.5	31.2	30.7	30.2	29.5	28.9	28.3	29.7	33.6	35.4	35.2	35.0	34.2	32.4	31.5	30.9	31.3
14	29.3	27.9	28.9	28.7	30.3	30.6	30.9	31.8	30.7	31.2	32.0	28.3	28.0	27.4	28.0	29.3	32.0	33.8	35.1	35.6	34.0	32.2	31.3	30.7	30.8
15	28.9	29.5	28.6	28.0	30.2	30.8	31.3	31.6	31.3	31.1	31.0	30.5	29.8	28.6	27.0	28.0	29.8	31.7	32.6	33.4	33.1	31.6	31.0	32.0	30.5
16	31.3	29.8	29.4	29.5	27.4	26.7	31.6	28.7	29.0	29.5	30.2	31.2	29.7	29.0	27.3	28.9	31.8	33.7	34.7	35.0	33.4	32.2	31.3	30.7	30.5
17 Q	30.8	30.6	30.4	30.6	30.4	30.6	30.4	31.5	31.5	30.6	30.1	30.7	30.6	29.7	28.8	29.2	31.3	33.3	33.4	33.6	33.0	32.4	31.3	30.4	31.0
18 Q	31.0	30.7	29.5	30.0	31.2	31.6	31.7	31.7	31.1	30.6	30.5	30.4	30.4	29.0	27.6	29.2	30.8	32.7	33.4	33.0	32.5	31.6	31.0	30.5	30.9
19 Q	30.4	30.4	30.4	31.1	30.4	32.0	33.1	33.2	29.7	29.5	29.5	29.8	29.3	28.7	28.0	28.8	30.7	31.8	32.0	31.9	31.7	31.0	29.9	29.7	30.6
20	29.5	29.5	23.8	29.7	29.3	30.6	30.7	30.7	30.6	29.7	29.7	28.9	29.3	28.0	28.5	29.8	32.4	34.3	35.6	35.1	33.1	32.7	33.6	32.0	30.7
21 D	32.0	30.3	29.9	27.4	26.5	13.5	26.6	28.9	30.4	34.6	40.5	32.0	48.6	54.3	37.2	31.8	40.0	38.6	38.2	33.1	33.4	34.0	31.2	30.7	33.5
22	30.8	26.9	26.1	24.2	27.9	31.5	33.4	29.8	33.0	31.2	29.5	35.5	31.8	30.7	29.5	30.2	31.0	32.6	34.0	33.3	32.8	32.2	31.3	30.7	30.9
23 D	30.4	30.5	30.0	29.6	27.0	31.0	35.1	44.7	30.1	34.3	47.9	50.7	64.1	62.4	49.5	34.9	34.9	40.1	41.1	39.1	34.0	32.2	31.3	31.0	38.1
24	30.0	28.0	30.4	30.1	33.9	34.2	32.9	32.8	34.2	40.4	29.7	32.0	32.5	33.6	39.8	39.8	36.9	35.6	33.8	33.6	33.1	31.6	28.9	31.0	33.3
25	29.7	29.9	24.3	29.3	30.5	32.0	32.2	32.0	34.2	35.3	32.4	32.0	32.2	32.7	35.0	35.2	38.0	40.1	39.8	36.2	34.3	32.5	32.2	31.6	33.0
26 D	31.1	29.2	29.0	25.6	25.2	28.2	29.5	40.0	36.7	30.2	28.9	35.4	35.2	33.3	36.3	35.5	36.2	35.2	34.0	35.0	33.7	31.0	30.9	26.9	32.2
27	31.0	30.0	29.9	28.6	29.1	28.2	30.7	30.8	30.1	30.0	30.6	30.2	30.0	30.6	32.2	30.8	31.8	33.3	34.2	35.0	34.5	33.8	32.5	31.6	31.2
28	31.0	30.5	30.4	26.6	29.7	31.6	32.5	32.6	31.0	31.1	30.7	30.0	32.4	32.7	30.0	29.3	30.4	32.4	33.8	34.0	33.8	32.6	31.5	30.7	31.3
29	30.1	30.2	30.4	29.5	29.5	30.0	31.1	31.4	31.6	30.8	29.7	30.7	31.3	30.7	28.6	28.4	30.5	33.3	35.0	35.4	35.1	34.0	33.2	31.7	31.3
30 Q	30.7	29.6	29.9	29.9	30.4	30.7	31.4	31.3	31.0	31.0	30.6	30.6	30.4	29.8	28.6	29.0	30.7	32.9	33.5	33.6	33.6	32.5	31.7	31.3	31.0
31 Q	30.7	30.0	30.7	29.9	31.0	31.6	32.0	32.0	31.5	31.5	31.9	31.6	30.7	29.2	27.3	28.0	29.7	32.4	34.0	34.3	33.4	31.8	30.7	30.5	31.0
Mean	30.3	29.6	28.6	28.6	30.2	30.4	31.7	32.2	31.9	31.6	31.2	31.4	32.3	32.1	31.2	31.6	33.4	35.1	35.6	35.2	34.2	33.0	31.7	30.7	31.8

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 47 Agincourt

z = 56,000 γ +

December 1942

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	476	475	476	476	475	473	471	468	469	468	467	468	467	467	467	458	455	459	464	466	467	472	476	472	469	
2	477	472	471	471	469	468	467	467	468	467	467	467	465	457	455	451	452	452	453	455	458	461	461	458	463	
3	461	462	462	462	461	461	461	459	458	458	458	457	457	455	455	451	449	455	458	464	464	461	462	469	459	
4	470	466	461	461	460	461	442	448	460	460	458	456	458	456	457	453	454	449	452	457	462	460	460	460	457	
5	442	443	464	465	462	460	460	460	461	460	458	456	457	456	456	454	461	463	463	463	463	466	463	462	459	
6	461	462	461	462	461	462	463	462	463	462	461	460	460	458	458	458	457	457	460	466	466	463	464	467	461	
7	463	463	463	463	462	460	462	463	461	459	454	448	445	438	444	448	454	457	466	469	473	480	486	493	461	
8	486	479	473	466	466	460	461	460	454	449	457	458	460	454	454	454	456	458	464	471	486	500	490	485	467	
9 D	483	479	480	468	471	470	471	468	466	466	457	457	454	447	441	447	454	452	464	473	502	510	556	527	474	
10 D	512	498	489	471	441	445	442	429	422	448	458	463	459	461	460	458	460	458	465	466	469	472	474	470	462	
11	467	470	467	463	454	468	468	466	458	454	451	456	460	457	460	456	456	457	460	460	463	461	461	467	461	
12	473	470	462	462	459	458	456	444	430	444	442	449	447	451	453	452	456	462	465	467	469	466	464	467	457	
13	469	467	465	464	463	462	464	464	465	464	465	464	463	462	460	458	459	460	464	466	467	468	465	465	464	
14	465	465	465	466	465	461	465	464	460	456	455	453	456	458	453	451	455	460	465	465	466	468	465	467	461	
15	465	464	465	459	462	460	461	462	461	460	461	461	461	460	456	451	449	450	453	459	463	462	460	462	459	
16	465	466	466	465	459	446	448	453	453	454	455	455	459	455	450	442	443	450	456	459	459	459	458	457	455	
17 Q	454	454	453	453	453	453	452	452	452	452	451	449	450	453	450	450	447	447	451	454	457	456	456	454	452	
18 Q	452	454	454	454	454	454	453	452	451	449	447	446	446	449	449	445	447	449	454	454	453	452	451	449	451	
19 Q	451	450	449	448	449	450	446	443	446	446	451	452	452	448	449	446	445	445	451	455	455	454	452	452	449	
20	454	455	452	456	455	455	455	456	455	455	455	454	453	452	454	449	452	453	459	464	459	459	458	461	455	
21 D	465	461	469	467	446	430	446	449	447	428	407	413	426	425	427	442	454	461	466	469	470	469	468	471	449	
22	472	464	452	465	455	455	446	424	443	446	449	446	455	459	460	458	456	460	465	469	467	464	461	458	456	
23 D	460	458	460	462	463	463	428	377	382	383	342	339	351	385	410	452	458	459	472	477	477	470	466	467	432	
24	470	468	464	459	453	452	447	445	438	429	448	453	454	454	454	455	455	458	461	464	467	468	466	466	455	
25	468	468	467	467	467	467	467	467	457	453	448	455	458	451	455	448	451	454	452	457	464	463	467	467	460	
26 D	470	478	471	455	441	448	445	443	439	438	437	437	447	453	454	457	460	464	465	476	478	483	487	487	459	
27	478	471	467	465	463	451	454	457	457	459	460	462	460	460	460	457	458	461	467	469	469	468	464	463	463	
28	464	465	464	461	462	459	458	453	458	460	460	459	459	467	457	451	452	454	459	460	462	463	462	459	459	
29	459	459	456	459	460	459	459	457	459	456	453	454	454	454	455	453	453	456	460	464	465	466	464	462	459	
30 Q	459	462	462	462	462	458	457	459	459	457	458	459	459	453	453	448	450	450	452	453	456	455	456	456	456	
31 Q	456	456	455	453	452	452	452	451	451	450	450	450	450	451	450	450	447	447	450	453	456	454	450	450	451	
Mean	467	466	465	463	459	458	456	453	452	452	450	450	452	452	453	452	454	456	460	464	466	467	468	467	458	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt

December 1942

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 10	316	19 05	279	37	19 25	36.7	00 15	24.4	12.3	00 15	479	16 20	454	25
2	22 00	312	00 05	281	31	18 42	34.2	00 10	29.1	05.1	00 30	478	17 20	449	29
3	22 00	322	16 57	286	36	17 45	36.1	23 35	24.3	11.8	23 59	474	16 10	449	25
4	06 25	320	04 58	268	52	15 36	40.9	07 40	26.8	14.1	00 10	476	07 00	430	46
5	22 45	308	02 22	273	35	18 16	35.7	02 30	22.5	13.2	02 25	467	01 00	438	29
6	19 40	311	14 10	289	22	19 08	35.1	13 57	28.6	06.5	23 05	468	16 00	456	12
7	13 22	326	16 12	269	57	17 04	43.1	10 48	26.8	16.3	23 15	495	13 40	434	61
8	12 28	308	20 28	279	29	08 25	44.1	02 05	27.0	17.1	21 10	509	09 05	444	65
9 D	22 24	372	23 45	247	125	19 55	46.5	02 55	-7.3	53.8	22 21	668	15 15	441	227
10 D	23 55	309	00 14	236	73	04 33	43.0	00 01	06.7	36.3	00 20	520	04 00	411	109
11	03 53	342	23 20	258	84	13 36	38.0	03 50	21.1	16.9	05 15	480	04 40	437	43
12	07 32	323	16 00	271	52	07 55	38.4	00 30	26.1	12.3	00 30	476	08 30	427	49
13	12 04	308	15 50	280	28	17 55	36.6	00 40	27.6	09.0	00 25	470	15 50	456	14
14	13 15	309	17 39	269	40	19 10	36.9	13 10	26.2	10.7	04 55	469	15 30	450	19
15	20 50	321	00 35	289	32	19 55	34.4	03 20	24.9	09.5	00 45	467	16 15	446	21
16	13 25	314	16 44	277	37	19 00	35.4	05 10	24.8	10.6	01 40	467	05 25	439	28
17 Q	11 47	312	17 12	282	30	19 00	34.0	15 40	27.9	06.1	20 55	459	16 40	445	14
18 Q	22 06	314	17 25	292	22	18 25	33.6	02 55	27.0	06.6	03 45	455	16 30	445	10
19 Q	21 11	314	04 20	293	21	06 55	35.8	02 15	27.1	08.7	20 15	457	07 50	442	15
20	21 50	323	18 00	271	52	18 08	36.5	02 35	20.9	15.6	23 59	466	15 20	443	23
21 D	11 02	338	16 25	233	105	12 58	65.9	05 10	09.5	56.4	02 45	476	10 16	400	76
22	01 56	353	03 20	243	110	11 15	37.9	03 05	18.1	19.8	01 10	479	08 05	410	69
23 D	06 00	307	10 43	213	94	12 27	70.4	08 35	22.6	47.8	20 35	486	12 32	302	184
24	11 25	318	22 15	257	61	09 05	49.4	01 30	26.1	23.3	22 40	472	09 20	421	51
25	12 30	312	02 25	223	89	18 05	41.9	02 27	10.0	31.9	23 55	476	10 40	448	28
26 D	09 52	306	04 17	236	70	07 32	48.6	03 52	08.4	40.2	22 20	491	07 50	429	62
27	11 50	308	04 29	272	36	20 08	35.5	04 15	24.9	10.6	00 01	480	05 30	445	35
28	23 05	315	18 09	278	37	13 03	35.2	03 20	22.2	13.0	02 10	466	15 55	447	19
29	11 22	313	17 00	277	36	19 04	35.9	15 00	27.1	08.8	21 15	468	16 10	452	16
30 Q	13 00	320	16 57	293	27	20 27	33.8	14 55	28.0	05.8	01 00	462	15 35	447	15
31 Q	21 45	326	13 15	292	34	19 00	34.3	14 40	27.1	07.2	01 50	457	11 50	447	10
Mean		319		268	51		40.1		22.1	18.0		481		435	46
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	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
Table 49 Agincourt HORIZONTAL INTENSITY (gammas) (All Days) 1942																								
January	+2	+2	+1	+1	0	0	0	-7	+1	+2	+6	+8	+8	+4	-6	-15	-17	-11	-4	+1	+7	+9	+6	+5
February	+6	+3	+2	+3	+2	+1	+2	-2	-1	+2	+4	+4	+2	-6	-16	-19	-14	-6	-1	+5	+9	+10	+9	+5
March	+10	+7	+9	+4	+5	+2	+2	-1	+3	-18	-2	+3	-5	-8	-15	-22	-23	-19	-7	+8	+20	+20	+16	+12
April	+11	+9	+3	0	+5	+1	0	-8	-5	-2	+1	-2	-7	-15	-27	-31	-23	-12	+4	+14	+21	+21	+19	+14
May	+6	+5	+2	+3	+2	0	-5	-3	-1	-1	-1	-3	-7	-16	-24	-25	-15	-3	+9	+17	+20	+18	+14	+10
June	+4	+1	0	-1	-1	-1	0	+1	+1	-1	-1	-1	-7	-16	-21	-23	-16	-3	+8	+15	+18	+17	+9	+7
July	+6	+2	+2	+2	+2	-3	-3	-1	-2	-4	-7	-5	-8	-16	-22	-21	-13	-4	+7	+15	+20	+21	+16	+13
August	+4	+4	+3	+3	0	0	+2	+1	+1	0	+1	-1	-10	-18	-25	-26	-16	-3	+8	+16	+21	+21	+14	+8
September	+10	+8	+8	+8	+3	0	-2	+1	-2	0	-5	0	-4	-13	-21	-23	-21	-5	-1	+9	+12	+14	+11	+7
October	+5	+6	+7	+4	+1	+2	-3	-1	+5	+10	+9	+10	+2	-9	-20	-26	-23	-14	-4	+6	+11	+15	+10	+6
November	+3	-2	+1	+3	+1	-1	0	-1	-1	-1	+4	+9	+4	-5	-12	-17	-15	-10	-2	+4	+8	+10	+9	+3
December	-1	-2	-4	-4	-2	-1	+1	+2	+1	+2	+6	+7	+5	+3	-2	-7	-11	-12	-6	+1	+6	+6	+5	-1
Year	+5.5	+3.6	+2.8	+2.2	+1.5	0.0	-0.5	-1.1	0.0	-0.9	+1.2	+2.4	-2.2	-9.6	-17.6	-21.2	-17.2	-8.5	+0.9	+9.2	+14.4	+15.2	+11.5	+7.4
Winter	+2.5	+0.2	0.0	+0.8	+0.2	-0.2	+0.8	-0.5	0.0	+1.2	+5.0	+7.0	+4.8	-1.0	-9.0	-14.5	-14.2	-9.8	-3.2	+2.8	+7.5	+8.8	+7.2	+3.0
Equinox	+9.0	+7.5	+6.8	+4.0	+3.5	+1.2	-0.8	-2.2	+0.2	-2.5	+0.8	+2.8	-3.5	-11.2	-20.8	-25.5	-22.5	-12.5	-2.0	+9.2	+16.0	+17.5	+14.0	+9.8
Summer	+5.0	+3.0	+1.8	+1.8	+0.8	-1.0	-1.5	-0.5	-0.2	-1.5	-2.0	-2.5	-8.0	-16.5	-23.0	-23.8	-15.0	-3.2	+8.0	+15.8	+19.8	+19.2	+13.2	+9.5

Table 50 Agincourt DECLINATION (minutes) (All Days) 1942																								
January	+0.9	+1.8	+1.7	+1.6	+1.0	+0.4	-0.1	+0.7	+0.7	+1.1	+1.0	+1.1	+1.8	+3.1	+2.9	+0.5	-1.9	-3.7	-4.3	-3.8	-3.4	-2.4	-1.1	-0.1
February	+0.6	+1.6	+1.9	+0.8	+0.9	-0.1	+0.1	+0.6	+0.1	+2.9	+2.9	+1.9	+3.0	+2.9	+1.5	-2.2	-3.9	-4.6	-4.0	-3.3	-1.8	-0.8	-0.9	-0.2
March	+0.8	+2.8	+1.9	+3.3	+2.3	+0.8	+1.0	+0.6	-0.7	-0.8	+1.3	+2.3	+2.7	+3.6	+2.2	0.0	-2.3	-5.3	-6.2	-5.0	-3.3	-1.6	-0.8	+0.2
April	+0.7	+1.9	+3.5	+1.9	+1.8	+0.8	+1.9	+1.5	+2.6	+2.5	+2.7	+3.1	+4.8	+4.7	+2.0	-2.0	-4.7	-6.8	-7.2	-6.6	-4.7	-2.9	-1.2	+0.1
May	-0.5	+1.5	+1.1	+1.4	+1.2	+1.4	+1.4	+0.7	+1.6	+2.7	+3.7	+5.5	+6.1	+5.4	+2.8	-1.2	-4.5	-6.4	-6.8	-6.2	-4.8	-3.3	-1.8	-0.4
June	0.0	+0.7	+1.0	+0.9	+1.2	+1.2	+0.4	+0.9	+0.9	+2.4	+4.7	+6.6	+7.1	+5.9	+3.0	-0.7	-3.9	-6.4	-7.2	-6.7	-5.1	-3.6	-2.3	-1.3
July	+1.0	+1.1	+0.8	+1.7	+1.8	+1.2	-0.5	+0.9	0.0	+1.1	+2.7	+5.0	+6.1	+5.2	+2.5	-0.6	-3.1	-5.2	-6.0	-6.0	-4.8	-3.4	-1.9	-0.1
August	+1.1	+1.4	+1.9	+1.7	+1.0	-0.4	-0.4	-0.8	+0.2	+1.6	+4.2	+6.4	+7.2	+6.0	+2.6	-2.2	-5.8	-6.9	-7.1	-5.8	-4.0	-1.8	-0.3	+0.4
September	+1.0	+1.9	+2.1	+1.2	+0.1	+0.5	+0.6	+1.8	+1.5	+0.9	+1.4	+3.7	+5.9	+4.8	+1.7	-1.8	-4.9	-6.8	-6.5	-5.3	-3.7	-2.0	-0.3	+1.1
October	+2.5	+4.5	+4.4	+2.0	+1.8	-0.6	-1.0	-0.2	+1.4	+1.3	+0.4	+0.3	+1.3	+1.8	+1.7	-1.1	-4.2	-5.4	-5.4	-4.3	-3.1	-0.4	+0.6	+1.5
November	+2.4	+3.2	+2.7	+1.7	+1.3	+0.1	-1.1	-0.2	0.0	+0.2	+1.4	+1.1	+1.9	+1.6	+1.0	-1.2	-3.0	-4.5	-4.5	-3.5	-1.9	-0.9	+0.1	+2.1
December	+1.5	+2.2	+3.2	+3.2	+1.6	+1.4	+0.1	-0.4	-0.1	+0.2	+0.6	+0.4	-0.5	-0.3	+0.6	+0.2	-1.6	-3.3	-3.8	-3.4	-2.4	-1.2	+0.1	+1.1
Year	+1.0	+2.0	+2.2	+1.8	+1.3	+0.6	+0.2	+0.5	+0.7	+1.3	+2.2	+3.1	+3.9	+3.7	+2.0	-1.0	-3.6	-5.4	-5.8	-5.0	-3.6	-2.0	-0.8	+0.4
Winter	+1.4	+2.2	+2.4	+1.8	+1.2	+0.4	-0.2	+0.2	+0.2	+1.1	+1.5	+1.1	+1.6	+1.8	+1.5	-0.7	-2.6	-4.0	-4.2	-3.5	-2.4	-1.3	-0.4	+0.7
Equinox	+1.2	+2.8	+3.0	+2.1	+1.5	+0.4	+0.6	+0.9	+1.2	+1.0	+1.4	+2.4	+3.7	+3.7	+1.9	-1.2	-4.0	-6.1	-6.3	-5.3	-3.7	-1.7	-0.4	+0.7
Summer	+0.4	+1.2	+1.2	+1.4	+1.3	+0.8	+0.2	+0.4	+0.7	+2.0	+3.8	+5.9	+6.6	+5.6	+2.7	-1.2	-4.3	-6.2	-6.8	-6.2	-4.7	-3.0	-1.6	-0.4

Table 51 Agincourt VERTICAL INTENSITY (gammas) (All Days) 1942																								
January	+7	+6	+5	+3	+1	-1	-3	-5	-9	-10	-10	-5	-3	-3	-5	-6	-4	-1	+3	+6	+7	+8	+8	+7
February	+8	+7	+6	+4	+3	0	-4	-5	-9	-7	-7	-6	-7	-8	-7	-4	-1	+3	+7	+10	+12	+11	+11	+11
March	+20	+11	+9	+6	+2	-6	-15	-23	-28	-24	-26	-14	-11	-3	-2	-3	-1	+5	+11	+18	+22	+21	+21	+17
April	+20	+17	+4	-3	-3	-9	-20	-23	-19	-14	-14	-13	-11	-9	-8	-7	-3	+2	+10	+15	+18	+18	+20	+20
May	+13	+10	+7	+3	-1	-8	-11	-16	-11	-4	-1	-1	-2	-4	-6	-9	-7	-6	-1	+6	+12	+16	+17	+16
June	+11	+9	+7	+2	-7	-8	-9	-6	-7	-4	-2	-1	-2	-4	-5	-7	-7	-5	-1	+2	+6	+9	+10	+11
July	+20	+14	+7	+3	-8	-19	-25	-17	-18	-13	-8	-5	-2	-2	-5	-5	-4	0	+3	+8	+16	+19	+21	+22
August	+14	+7	+4	-8	-14	-22	-20	-19	-13	-9	-5	-3	-3	-3	-2	-2	+1	+2	+5	+13	+17	+20	+20	+17
September	+19	+13	+5	-2	-14	-16	-23	-17	-17	-15	-10	-3	-4	-5	-4	-4	-1	+3	+10	+13	+16	+18	+22	+19
October	+16	+8	+2	-7	-11	-24	-28	-23	-15	-10	-13	-12	-9	-4	-3	0	+3	+7	+12	+16	+20	+26	+20	+18
November	+15	+10	+7	-1	-3	-6	-11	-16	-18	-17	-10	-5	-5	-3	-4	-4	-1	+3	+7	+10	+12	+11	+14	+13
December	+9	+8	+7	+5	+1	0	-2	-5	-6	-6	-8	-8	-6	-6	-5	-6	-4	-2	+2	+6	+8	+9	+10	+9
Year	+14.3	+10.0	+5.8	+0.4	-4.5	-9.9	-14.2	-14.6	-14.2	-11.1	-9.5	-6.4	-5.4	-4.4	-4.8	-5.0	-2.7	+0.6	+5.3	+10.0	+13.7	+15.6	+16.2	+15.0
Winter	+9.8	+7.8	+6.2	+2.8	+0.5	-1.8	-5.0	-7.8	-10.5	-10.0	-8.8	-6.2	-5.0	-4.8	-5.5	-5.8	-3.2	-0.2	+3.8	+7.2	+9.2	+10.0	+10.8	+10.0
Equinox	+18.8	+12.2	+5.0	-1.5	-6.5	-13.8	-21.5	-21.5	-19.8	-15.8	-15.8	-10.5	-8.8	-5.2	-4.2	-3.5	-0.5	+4.2	+10.8	+15.5	+19.0	+20.8	+20.8	+18.5
Summer	+14.5	+10.0	+6.2	0.0	-7.5	-14.2	-16.2	-14.5	-12.2	-7.5	-4.0	-2.5	-2.2	-3.2	-4.5	-5.8	-4.2	-2.2	+1.5	+7.2	+12.8	+16.0	+17.0	+16.5

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

Hour U. T. Month Season	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24
Table 52 Agincourt HORIZONTAL INTENSITY (gammas) (Quiet Days) 1942																								
January	+4	+4	+2	+2	+1	0	+2	+3	+3	+5	+5	+7	+5	+1	-8	-18	-22	-17	-8	0	+7	+8	+8	+6
February	+6	+6	+2	+2	+4	+3	+2	+2	+3	+3	+3	+2	-3	-9	-15	-20	-16	-8	-1	+4	+8	+8	+8	+6
March	+9	+7	+7	+1	0	+4	+4	+6	+5	+6	+6	+6	+1	-8	-17	-28	-28	-21	-11	+2	+12	+14	+10	+12
April	+7	+6	+4	+4	+2	+3	+1	+2	+3	+4	+4	+2	-4	-14	-27	-29	-19	-8	+2	+10	+14	+13	+12	+9
May	+5	+5	+4	+3	+3	+5	+4	+2	+2	0	-1	-4	-11	-20	-26	-25	-14	0	+8	+14	+15	+13	+11	+8
June	+8	+8	+8	+5	+4	+2	+1	+1	0	-2	0	-1	-6	-11	-16	-18	-14	-8	-1	+5	+10	+10	+7	+6
July	+4	+2	+2	+1	+1	0	+1	0	0	-1	-1	-3	-7	-12	-15	-15	-13	-2	+7	+12	+15	+11	+8	+5
August	+2	+3	+5	+4	+5	+4	+3	+4	+1	+2	+1	-1	-5	-15	-23	-22	-16	-3	+4	+10	+13	+12	+8	+2
September	+8	+7	+9	+9	+8	+11	+10	+10	+10	+9	+10	+5	-2	-10	-21	-30	-30	-24	-14	-2	+5	+8	+9	+7
October	+5	+4	+3	+2	+2	+5	+4	+2	+4	+5	+7	+8	0	-8	-18	-25	-22	-12	-2	+6	+9	+10	+7	+6
November	0	+4	+6	+5	+2	+1	+3	+3	+3	+4	+3	+3	-1	-6	-14	-16	-14	-8	-2	+2	+4	+6	+7	+4
December	0	-2	-4	-4	-2	-1	+1	+2	+2	+4	+5	+7	+6	+5	0	-8	-11	-12	-8	-2	+4	+8	+7	+4
Year	+4.8	+4.5	+4.0	+2.8	+2.5	+3.1	+3.0	+3.1	+3.0	+3.2	+3.6	+2.6	-2.2	-8.9	-16.7	-21.2	-18.2	-10.2	-2.2	+5.1	+9.7	+10.1	+8.5	+6.2
Winter	+2.5	+3.0	+1.5	+1.2	+1.2	+0.8	+2.0	+2.5	+2.8	+3.8	+4.2	+4.8	+1.8	-2.2	-9.2	-15.5	-15.8	-11.2	-4.8	+1.0	+5.8	+7.5	+7.5	+5.0
Equinox	+7.2	+6.0	+5.8	+4.0	+3.0	+5.8	+4.8	+5.0	+5.5	+6.0	+6.8	+5.2	-1.2	-10.0	-20.8	-28.0	-24.8	-16.2	-6.2	+4.0	+10.0	+11.2	+9.5	+8.5
Summer	+4.8	+4.5	+4.8	+3.2	+3.2	+2.8	+2.2	+1.8	+0.8	-0.2	-0.2	-2.2	-7.2	-14.5	-20.0	-20.0	-14.2	-3.2	+4.5	+10.2	+13.2	+11.5	+8.5	+5.2

Table 53 Agincourt DECLINATION (minutes) (Quiet Days) 1942																								
January	+0.2	+0.8	+0.7	+0.4	+0.2	-0.1	-0.6	-0.2	+0.3	+0.7	+0.6	+1.0	+2.0	+3.6	+3.9	+1.3	-1.2	-2.8	-3.5	-3.2	-2.5	-1.4	-0.3	+0.2
February	0.0	+0.3	+0.9	+0.7	+0.3	+0.1	0.0	+0.4	+1.2	+1.6	+2.7	+2.3	+2.8	+2.7	+0.8	-1.9	-3.4	-3.9	-3.3	-2.3	-0.9	-0.2	-0.4	-0.4
March	+0.2	+0.8	-0.2	+1.0	+1.2	+1.1	+1.4	+1.4	+2.3	+2.2	+1.8	+2.9	+4.0	+4.2	+4.0	+0.3	-3.2	-5.5	-6.2	-5.4	-4.1	-2.3	-1.2	-0.4
April	-0.8	-0.4	+0.7	-0.2	+0.1	+0.3	+1.0	+1.3	+1.6	+2.0	+3.2	+4.6	+5.2	+5.2	+3.8	+0.3	-2.5	-4.5	-5.5	-5.1	-4.2	-3.1	-1.9	-1.2
May	+0.4	+0.1	-0.2	0.0	+0.1	-0.1	+0.7	+1.1	+1.0	+2.6	+4.7	+5.9	+6.3	+5.4	+2.4	-1.9	-4.9	-6.4	-6.6	-5.9	-3.7	-1.8	-0.2	+1.2
June	-0.8	-0.8	-0.6	+0.3	+0.3	+0.5	+1.2	+0.6	+1.4	+2.6	+4.4	+6.2	+6.8	+6.2	+3.6	+0.7	-3.2	-6.0	-6.7	-5.9	-4.6	-3.1	-1.8	-1.1
July	-0.7	-0.4	+0.8	+0.1	+0.7	+0.6	+0.9	+0.8	+1.0	+1.9	+3.3	+4.8	+5.6	+5.2	+3.1	0.0	-2.8	-5.0	-5.8	-5.0	-3.9	-2.7	-1.7	-0.9
August	0.0	+1.0	+0.9	+0.8	+0.9	+0.9	+0.1	+0.3	+0.7	+1.8	+3.8	+5.0	+5.8	+5.1	+2.6	-2.0	-4.8	-6.1	-6.5	-5.2	-3.4	-1.5	-0.3	+0.2
September	+0.2	+0.9	+1.9	+1.2	+0.9	+1.0	+0.8	+1.2	+2.0	+1.6	+2.4	+4.1	+5.4	+5.5	+3.8	+0.4	-3.5	-7.0	-7.5	-6.9	-4.5	-2.4	-1.0	-0.3
October	+0.1	+1.1	+0.5	+0.1	0.0	-1.2	-0.8	-0.3	+0.9	+1.6	+3.1	+3.6	+4.4	+5.0	+3.3	-0.1	-3.2	-5.1	-5.3	-3.8	-2.2	-1.0	-0.4	-0.4
November	+2.2	+1.2	+1.1	+0.5	+0.2	-0.2	-0.8	+0.1	+1.0	+1.8	+1.9	+1.2	+1.2	+2.2	+1.8	-0.9	-3.0	-4.1	-3.8	-2.7	-1.4	-0.8	0.0	+1.2
December	+0.4	+0.8	+0.9	+0.8	+0.3	-0.3	-0.7	-1.0	0.0	+0.3	+0.4	+0.3	+0.6	+1.6	+2.8	+2.0	+0.2	-1.8	-2.4	-2.5	-2.0	-1.1	-0.2	+0.3
Year	+0.1	+0.4	+0.6	+0.5	+0.4	+0.2	+0.3	+0.5	+1.1	+1.7	+2.7	+3.5	+4.2	+4.3	+3.0	-0.2	-3.0	-4.8	-5.3	-4.5	-3.1	-1.8	-0.8	-0.1
Winter	+0.7	+0.8	+0.9	+0.6	+0.2	-0.1	-0.5	-0.2	+0.6	+1.1	+1.4	+1.2	+1.6	+2.5	+2.3	+0.1	-1.8	-3.2	-3.2	-2.7	-1.7	-0.9	-0.2	+0.3
Equinox	-0.1	+0.6	+0.7	+0.5	+0.6	+0.3	+0.6	+0.9	+1.7	+1.8	+2.6	+3.8	+4.8	+5.0	+3.7	+0.2	-3.1	-5.5	-6.1	-5.3	-3.8	-2.2	-1.1	-0.6
Summer	-0.3	0.0	+0.2	+0.3	+0.5	+0.5	+0.7	+0.7	+1.0	+2.2	+4.0	+5.5	+6.1	+5.5	+2.9	-0.8	-3.9	-5.9	-6.4	-5.5	-3.9	-2.3	-1.0	-0.2

Table 54 Agincourt VERTICAL INTENSITY (gammas) (Quiet Days) 1942																								
January	+1	+1	0	0	0	0	0	-1	-2	-3	-3	-4	-2	-1	-4	-4	-2	+1	+4	+5	+5	+3	+2	+2
February	+2	+2	+2	+2	0	-1	+1	+2	0	-1	-2	-1	0	-4	-7	-6	-5	0	+2	+5	+5	+3	+1	+2
March	+3	+1	+1	+2	+2	0	-2	-2	-1	-2	-2	-2	-1	-1	-2	-5	-6	-4	0	+4	+5	+6	+4	+3
April	+3	+1	0	0	-1	-2	-2	0	0	0	0	-1	-1	-3	-5	-8	-7	-4	-1	+4	+7	+7	+7	+5
May	+6	+3	+1	+1	-1	-1	-3	-1	-2	-1	0	0	-3	-6	-6	-8	-7	-2	+2	+6	+7	+8	+8	+7
June	+5	+4	+3	+1	0	-1	0	-1	-2	0	+2	+1	+1	0	-3	-6	-8	-7	-5	-2	+2	+5	+6	+7
July	+6	+4	+2	+2	0	0	0	-1	+1	+2	+3	0	-2	-4	-4	-4	-6	-9	-5	-3	+2	+5	+6	+7
August	+4	+2	-1	-1	-4	-5	-9	-7	-5	-4	0	0	-2	-3	-3	-3	-2	+1	+6	+8	+8	+8	+5	
September	+3	+3	+1	-1	0	-2	-1	-2	-2	-3	-3	-1	-1	-3	-4	-3	-2	0	+3	+5	+6	+6	+5	
October	+5	+3	+4	+4	+2	-4	-5	-4	-4	-3	-3	-2	-1	0	-4	-6	-5	-2	+2	+5	+6	+5	+5	
November	+5	+4	+3	+1	+2	0	-2	-3	-1	-1	0	-1	0	-2	-4	-6	-7	-4	0	+3	+4	+4	+3	+3
December	+1	+2	+2	+1	+1	0	0	-1	-1	-1	-1	-1	-1	-1	-2	-4	-4	-4	0	+2	+4	+3	+2	+1
Year	+3.7	+2.5	+1.5	+1.0	+0.1	-1.3	-2.0	-1.8	-1.6	-1.4	-0.8	-1.0	-0.8	-2.1	-4.0	-5.2	-5.2	-3.4	0.0	+3.0	+4.9	+5.2	+4.8	+4.4
Winter	+2.2	+2.2	+1.8	+1.0	+0.8	-0.2	-0.2	-0.8	-1.0	-1.5	-1.5	-1.8	-0.8	-2.0	-4.2	-5.0	-4.5	-1.8	+1.5	+3.8	+4.5	+3.2	+2.0	+2.0
Equinox	+3.5	+2.0	+1.5	+1.2	+0.8	-2.0	-2.5	-2.0	-1.8	-2.0	-2.0	-1.5	-1.0	-1.8	-3.8	-5.8	-5.2	-3.0	+0.2	+4.0	+5.8	+6.0	+5.5	+4.5
Summer	+5.2	+3.2	+1.2	+0.8	-1.2	-1.8	-3.0	-2.5	-2.0	-0.8	+1.2	+0.2	-0.8	-2.5	-4.0	-4.8	-6.0	-5.5	-1.5	+1.2	+4.5	+6.2	+7.0	+6.8

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

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Agincourt 1942

Hour Month Season	U. T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+3	-4	-10	+1	-6	-8	-9	-16	-9	-13	+6	+11	+13	+9	-6	-6	-5	+1	+4	+9	+14	+13	+2	+4
February	+10	+1	+7	+8	+2	+3	+3	-6	-8	+3	+9	+8	+10	-3	-34	-38	-30	-9	-6	+8	+17	+20	+14	+10
March	+14	+14	+24	+20	+19	+12	+4	+8	+15	-118	-41	-16	-28	+2	-5	-17	-18	-20	-7	+20	+48	+34	+22	+15
April	+38	+33	+10	-9	+5	+16	+12	-59	-46	-37	-20	-21	-8	-17	-24	-31	-17	-3	+16	+43	+52	+48	+38	+37
May	+9	+6	+4	+11	+8	-7	-30	-20	-9	-11	-4	-6	-10	-23	-29	-31	-18	0	+18	+36	+36	+39	+22	+9
June	+4	0	-2	-2	-3	-2	-3	0	+4	+3	+6	+2	+6	-19	-22	-25	-22	-7	+5	+21	+19	+20	+18	+12
July	+20	+5	+1	+8	+10	-8	-27	-16	-11	-15	-23	-16	-14	-23	-34	-27	-12	+1	+13	+29	+37	+39	+35	+29
August	+5	+2	0	-15	-16	+2	-1	0	-5	-9	+2	0	-18	-16	-23	-39	-20	-2	+15	+27	+38	+36	+24	+12
September	+24	+15	+12	+10	+3	-5	-16	-6	-37	-13	-37	-7	-4	-14	-17	-14	-13	+32	+4	+17	+16	+22	+17	+10
October	-1	+1	+8	-1	-15	-14	-33	-23	+9	+19	-8	+11	+13	+4	-9	-32	-32	-16	+1	+9	+30	+56	+22	+3
November	+13	-11	-9	+4	-9	-17	-6	-7	-15	-17	-3	+18	+8	-2	-4	-10	-14	-7	+4	+13	+18	+23	+19	+10
December	-1	-4	-8	-7	-1	-3	+2	+2	+3	+4	+7	+8	+1	+1	-1	-3	-10	-14	-4	+5	+10	+4	+9	0
Year	+11.5	+4.8	+3.1	+2.3	-0.2	-2.6	-8.7	-11.9	-9.1	-17.0	-8.8	-0.7	-2.6	-8.4	-17.3	-22.8	-17.6	-3.7	+6.3	+19.8	+27.9	+29.5	+20.2	+12.6
Winter	+6.2	-4.5	-5.0	+1.5	-3.5	-6.2	-2.5	-6.8	-7.2	-5.8	+4.8	+11.2	+8.0	+1.2	-11.2	-14.2	-14.8	-7.2	-0.5	+6.8	+14.8	+15.0	+11.0	+6.0
Equinox	+18.8	+15.8	+13.5	+5.0	+3.0	+2.2	-8.2	-20.0	-14.8	-37.2	-26.5	-8.2	-6.8	-6.2	-13.8	-23.5	-20.0	-1.8	+3.5	+22.2	+36.5	+40.0	+24.8	+16.2
Summer	+9.5	+3.2	+0.8	+0.5	-0.2	-3.8	-15.2	-9.0	-5.2	-8.0	-4.8	-5.0	-9.0	-20.2	-27.0	-30.5	-18.0	-20.1	+13.0	+28.2	+32.5	+13.5	+24.8	+15.5

DECLINATION (minutes) (Disturbed Days)

Table 56 Agincourt 1942

Hour Month Season	U. T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+1.2	+2.2	+3.6	+2.2	+1.2	+1.2	+0.4	+2.1	+1.0	+1.6	+1.2	+1.9	+2.3	+3.3	+2.1	-1.1	-3.1	-4.0	-4.3	-3.8	-3.8	-4.8	-2.2	-0.4
February	+1.3	+4.4	+3.8	+2.2	+3.0	+2.6	+2.3	+1.0	-2.1	+5.8	+5.1	-0.8	+4.5	+4.2	+2.5	-5.2	-8.8	-8.9	-5.4	-5.6	-3.6	-1.3	-0.6	-0.4
March	+5.1	+4.2	+5.2	+3.4	+1.3	-0.6	-0.4	-2.4	-15.9	-13.1	-1.5	+0.3	-0.7	+3.1	+2.7	+0.8	+2.4	-0.6	-3.5	-2.0	+2.0	+2.9	+2.9	+4.5
April	+0.5	+4.3	+9.6	+3.4	+3.3	+3.0	+5.8	+3.1	+4.2	+2.3	+0.4	-3.0	+2.5	+6.0	+0.4	-5.7	-7.0	-8.5	-8.2	-6.1	-4.1	-4.6	-1.7	+0.2
May	-2.0	+1.0	-0.1	+0.5	+2.0	+4.0	+4.2	+1.5	+3.2	+3.9	+4.0	+7.6	+8.4	+6.5	+2.2	-1.9	-6.1	-9.6	-8.6	-6.6	-6.0	-4.3	-3.1	-0.4
June	-0.2	+2.6	+2.1	+0.4	+0.3	+1.6	+2.3	+2.8	+2.7	+4.1	+6.0	+8.2	+8.3	+6.9	+2.9	-1.2	-3.5	-8.8	-9.2	-9.2	-7.5	-5.8	-3.4	-2.3
July	+3.0	+2.1	+2.8	+3.7	+1.7	+2.4	-3.7	+5.2	+2.9	+3.7	+1.0	+5.5	+6.9	+3.0	-1.2	-4.0	-4.7	-7.1	-6.4	-6.8	-6.1	-4.7	-1.5	+2.2
August	+3.4	+3.5	+2.6	+2.6	+2.1	+0.8	-2.4	-2.4	-0.5	-3.1	+3.7	+9.1	+9.2	+6.9	+3.5	-2.3	-8.0	-8.9	-8.3	-7.1	-5.1	-2.6	+1.6	+1.8
September	+3.2	+4.6	+2.0	+1.4	0.0	+2.5	+5.2	+6.4	+0.5	-1.5	-2.5	+1.9	+6.3	+2.9	-1.0	-2.6	-4.6	-5.4	-6.2	-5.8	-6.1	-3.1	+0.1	+1.7
October	+4.8	+7.8	+11.0	+1.9	+7.5	+1.4	-3.0	-2.4	+6.3	+4.0	-4.2	-5.7	-3.7	-0.4	+1.6	-1.5	-6.4	-7.7	-7.7	-6.4	-3.8	+2.8	-1.0	+4.6
November	+3.8	+8.9	+5.8	+5.4	+5.3	+1.1	-2.8	+0.4	-2.1	-3.3	-1.9	-0.2	-0.4	-3.3	-2.9	-3.8	-3.8	-5.4	-4.4	-3.7	-0.1	-0.8	+1.5	+6.6
December	+3.7	+5.5	+8.4	+9.1	+4.6	+6.0	+2.2	-2.5	+0.4	+0.9	-1.9	-2.3	-7.6	-8.3	-3.6	-0.9	-2.9	-5.0	-5.0	-4.1	-2.5	-0.4	+2.0	+4.0
Year	+2.3	+4.3	+4.7	+3.0	+2.7	+2.2	+0.8	+1.1	0.0	+0.4	+0.8	+1.9	+3.0	+2.6	+0.8	-2.4	-4.7	-6.7	-6.4	-5.6	-3.9	-2.2	-0.4	+1.8
Winter	+2.5	+5.2	+5.4	+4.7	+3.5	+2.7	+0.5	+0.2	-0.7	+1.2	+0.6	-0.4	-0.3	-1.0	-0.5	-2.8	-4.6	-5.8	-4.8	-4.3	-2.5	-1.8	+0.2	+2.4
Equinox	+3.4	+5.2	+7.0	+2.5	+3.0	+1.6	+1.9	+1.2	-1.2	-2.1	-2.0	-1.6	+1.1	+2.9	+0.9	-2.2	-3.9	-5.6	-6.4	-5.1	-3.0	-0.5	+0.1	+2.8
Summer	-1.0	+2.3	+1.8	+1.8	+1.5	+2.2	+0.1	+1.8	+2.1	+2.2	+3.7	+7.6	+8.2	+5.8	+1.8	-2.4	-5.6	-8.6	-8.1	-7.4	-6.2	-4.4	-1.6	+0.3

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Agincourt 1942

Hour Month Season	U. T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+16	+15	+12	+11	+10	+8	-3	-17	-34	-41	-35	-14	-4	-3	-3	-3	-1	+1	+7	+9	+8	+19	+25	+18
February	+17	+20	+12	+6	+6	-3	-10	-20	-43	-28	-24	-31	-23	-18	-16	-10	-4	0	+9	+19	+28	+41	+40	+31
March	+32	+22	+22	+15	+3	-10	-24	-43	-82	-60	-88	-47	-47	-7	+5	+2	+7	+21	+28	+54	+64	+50	+53	+30
April	+60	+56	+14	-25	-6	-27	-100	-108	-83	-58	-55	-44	-26	-5	+4	+11	+26	+40	+55	+57	+58	+49	+54	+52
May	+28	+20	+11	+2	-6	-25	-52	-54	-32	-19	-11	-4	-1	-2	-3	-6	-4	-1	+5	+19	+26	+36	+39	+42
June	+18	+17	+16	-3	-21	-15	-21	-11	-5	-1	-1	-1	-4	-7	-10	-17	-13	-5	0	+9	+18	+17	+19	+18
July	+38	+34	+23	+9	-8	-39	-76	-49	-66	-50	-31	-20	-8	-4	-4	-1	+3	+12	+19	+29	+45	+52	+48	+44
August	+26	+14	+10	-21	-19	-35	-41	-40	-29	-28	-21	-11	-7	-4	-5	-2	+7	+7	+13	+31	+40	+38	+45	+32
September	+64	+43	+12	+14	-16	-20	-53	-38	-54	-54	-48	-19	-13	-8	-8	-8	-1	+8	+19	+21	+23	+31	+48	+53
October	+41	+26	+6	-37	-30	-30	-58	-65	-39	-27	-48	-50	-31	-16	-11	+1	+18	+26	+35	+44	+63	+86	+51	+45
November	+49	+27	+18	-10	-12	-17	-38	-49	-67	-68	-34	-11	-12	-3	-2	+4	+14	+17	+23	+26	+29	+26	+50	+41
December	+25	+21	+20	+11	-2	-3	-8	-21	-23	-22	-35	-33	-28	-21	-17	-4	+2	+3	+11	+16	+23	+25	+34	+28
Year	+34.5	+26.2	+14.7	-2.3	-8.4	-18.0	-40.3	-42.9	-46.4	-37.8	-35.9	-23.8	-17.0	-8.2	-5.8	-2.8	+4.5	+10.8	+18.7	+27.8	+35.4	+39.2	+42.2	+36.2
Winter	+26.8	+20.8	+15.5	+4.5	+0.5	-3.8	-14.8	-26.8	-41.8	-39.8	-32.0	-22.2	-16.8	-11.2	-9.8	-3.2	+2.8	+5.2	+12.5	+17.5	+22.0	+27.8	+37.2	+29.5
Equinox	+49.2	+36.8	+13.5	-8.2	-12.2	-21.8	-58.8	-63.5	-64.5	-49.8	-59.8	-40.0	-29.2	-9.0	-2.5	+1.5	+12.5	+23.8	+34.2	+44.0	+52.0	+54.0	+51.5	+45.0
Summer	+27.5	+21.2	+15.0	-3.2	-13.5	-28.5	-47.5	-38.5	-33.0	-24.0	-16.0	-9.0	-5.0	-4.2	-5.5	-6.5	-1.8	+3.2	+9.2	+22.0	+32.2	+35.8	+37.8	+34.0

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

Table 1 Agincourt

H = 15,000 γ +

January 1943

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	315	316	318	315	316	318	318	318	320	323	325	328	328	329	327	313	309	309	313	309	309	311	311	302	316
2	303	302	301	304	305	308	309	310	313	309	318	318	314	315	312	305	292	295	299	303	313	310	310	308	307
3	307	303	301	303	304	308	311	315	314	320	321	318	317	308	317	318	308	306	308	308	313	321	323	316	312
4 D	309	303	299	317	299	300	305	303	308	311	308	295	320	303	303	303	279	267	272	298	298	299	304	301	300
5	297	333	303	285	278	286	292	288	284	289	298	300	300	298	296	287	283	275	288	290	294	285	292	294	292
6	299	311	300	297	301	299	295	292	292	293	303	308	303	304	305	303	293	295	301	299	300	308	311	311	301
7 Q	311	308	308	303	302	302	303	299	299	303	306	303	302	300	300	298	301	304	305	308	311	313	313	313	304
8	309	309	306	303	303	304	305	305	308	309	310	313	314	314	308	301	297	296	301	307	306	309	311	299	306
9	305	303	294	296	289	290	287	294	289	301	306	305	305	304	300	291	293	294	304	307	309	311	310	309	299
10	305	302	300	298	295	298	301	299	303	308	308	306	309	313	305	295	289	285	293	298	305	304	296	309	301
11 Q	306	306	303	303	298	299	303	306	308	308	310	308	309	308	299	285	285	290	298	290	318	323	323	321	305
12	316	311	309	303	304	299	294	301	305	313	319	317	316	310	304	296	291	293	300	309	315	317	314	314	307
13 Q	312	304	306	300	302	307	305	305	309	309	311	314	311	311	306	300	290	289	295	300	313	319	315	315	306
14 Q	316	314	314	309	306	305	309	307	309	312	314	315	314	310	304	293	286	295	305	315	323	322	320	317	311
15 Q	314	311	309	309	311	311	311	315	319	322	324	325	325	324	321	307	296	292	296	304	315	322	321	319	313
16	317	315	315	312	314	312	314	315	315	315	317	319	319	316	307	297	289	284	285	293	304	311	312	310	309
17 D	301	301	312	314	313	310	299	310	310	315	296	321	317	305	296	300	293	284	265	260	273	278	290	302	299
18	304	293	299	299	294	290	307	304	301	279	295	306	307	299	300	307	286	288	285	293	300	304	304	304	298
19	296	294	292	295	295	306	297	302	309	305	307	309	309	302	299	292	289	284	289	296	304	305	309	304	300
20 D	301	299	301	295	296	293	300	299	286	292	302	312	315	314	305	302	276	244	230	279	322	279	260	281	291
21 D	270	271	299	273	280	269	246	273	268	246	245	296	309	296	275	268	271	275	285	289	295	280	289	295	278
22 D	249	289	294	293	291	291	291	291	290	279	302	307	296	275	266	273	261	243	260	281	294	286	284	289	282
23	288	290	293	289	287	292	289	287	291	293	292	295	299	295	282	273	264	269	280	284	289	295	300	299	288
24	291	286	290	291	294	294	295	299	299	299	296	299	304	299	290	276	273	278	282	286	284	300	302	301	292
25	295	302	303	300	301	304	302	305	306	308	309	311	309	306	300	286	284	289	296	304	316	324	325	319	304
26	317	309	290	294	293	294	302	303	284	291	314	314	310	301	299	283	273	289	294	302	312	315	309	302	300
27	305	310	309	304	305	304	305	304	309	310	309	314	315	309	299	288	278	280	290	295	309	316	317	315	304
28	311	309	309	309	302	316	313	309	310	309	319	311	314	304	293	281	282	293	300	314	322	319	313	307	307
29	304	304	299	304	302	304	310	310	310	314	315	315	313	309	303	290	283	284	290	304	309	315	317	312	305
30	310	294	280	296	304	307	311	314	312	313	314	311	311	309	304	294	289	291	297	304	309	310	306	311	304
31	308	306	303	313	306	307	311	311	309	318	318	320	323	321	313	304	298	294	297	308	318	318	318	316	311
Mean	303	304	302	301	300	301	302	304	303	304	307	311	312	308	302	295	287	284	290	299	307	308	308	308	302

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7° W + . . . '

January 1943

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	30.5	30.2	30.1	30.4	30.6	31.0	31.5	31.5	31.2	30.8	30.7	30.6	29.8	28.4	28.0	28.1	29.8	31.2	32.4	34.5	35.2	35.0	37.3	34.3	31.4	31.4
2	31.6	30.7	30.6	31.0	31.2	31.7	31.8	33.3	28.8	28.9	30.0	30.6	30.6	30.0	28.8	29.1	32.0	35.9	35.0	33.9	33.3	32.8	31.9	31.1	31.4	31.4
3	31.0	30.6	30.4	30.7	28.9	30.4	31.4	31.4	31.0	31.3	30.2	29.7	30.5	31.5	32.9	33.4	31.6	31.6	33.2	33.8	32.2	32.8	34.9	35.2	31.7	31.7
4 D	33.3	30.1	29.6	31.1	30.0	28.0	30.2	31.5	30.9	30.1	32.0	50.9	48.8	31.9	32.8	29.8	35.0	43.1	41.0	35.1	36.1	31.3	33.4	33.2	34.1	34.1
5	28.1	28.3	28.5	27.4	27.2	25.7	34.8	28.8	30.0	33.7	30.7	30.9	30.4	29.5	30.0	29.7	32.6	34.8	33.1	33.4	33.1	30.4	31.6	31.6	30.6	30.6
6	27.4	30.1	30.6	30.6	29.8	33.1	30.1	31.0	31.1	29.3	32.5	30.7	30.1	29.6	29.7	30.8	33.2	33.0	32.8	33.0	32.4	32.3	31.9	30.6	31.0	31.0
7 Q	29.7	31.0	30.8	30.3	30.1	29.5	29.8	29.9	30.6	31.0	30.1	30.7	30.6	30.6	30.0	31.0	31.9	32.0	32.5	33.4	34.2	32.4	31.6	30.7	31.0	31.0
8	30.7	29.9	29.7	29.7	30.3	30.6	30.6	31.0	30.7	30.6	30.2	29.7	29.6	29.3	29.1	29.2	30.1	31.1	32.0	33.8	35.0	34.7	33.1	28.3	30.8	30.8
9	31.2	30.6	28.4	29.8	28.6	29.2	27.0	27.0	37.1	26.1	30.3	30.6	30.1	28.8	28.3	29.2	31.5	34.0	35.5	35.5	34.1	32.8	32.0	31.0	30.8	30.8
10	30.8	30.3	29.8	29.7	30.6	29.8	30.2	31.0	31.6	30.7	30.4	30.4	30.3	28.0	28.0	28.6	32.0	34.2	36.1	36.1	35.2	34.0	31.3	31.5	31.3	31.3
11 Q	30.4	29.5	29.7	30.2	29.2	30.0	31.0	31.6	30.7	30.6	30.6	30.6	30.6	29.2	27.7	29.8	33.0	34.2	35.5	35.1	34.3	33.0	31.9	31.1	31.2	31.2
12	30.4	28.3	28.8	28.0	28.6	27.0	31.6	34.0	29.8	29.5	31.5	31.3	29.8	28.9	28.0	28.8	31.3	35.0	36.3	35.6	34.3	34.0	32.4	31.1	31.0	31.0
13 Q	30.4	28.2	29.5	29.2	28.8	30.7	30.7	30.6	32.5	29.8	29.7	29.2	29.8	28.0	27.0	28.7	31.4	33.1	34.7	35.0	33.8	32.1	30.6	29.8	30.6	30.6
14 Q	29.8	29.7	30.0	30.1	31.5	30.0	30.0	30.6	30.7	29.8	29.7	30.3	29.8	28.8	28.0	29.1	31.5	34.2	36.1	35.3	34.0	32.0	30.7	29.8	30.9	30.9
15 Q	29.8	29.5	29.5	29.7	29.8	30.4	30.6	31.5	31.3	30.7	30.2	30.0	29.7	28.2	26.8	27.0	29.8	32.2	34.3	34.4	34.2	33.6	32.0	31.1	30.7	30.7
16	29.8	29.4	29.2	29.8	30.5	30.6	31.0	30.7	30.6	30.6	30.6	30.6	29.6	27.0	26.1	29.5	33.0	34.3	34.7	36.2	36.2	34.2	33.1	32.0	31.2	31.2
17 D	31.3	30.6	28.8	28.8	29.8	29.6	29.5	35.4	31.3	27.8	32.6	54.1	43.3	38.6	29.3	29.0	29.0	30.6	32.8	38.6	37.7	38.3	34.6	31.8	33.5	33.5
18	31.3	30.0	30.2	30.2	29.7	25.2	31.0	32.0	31.2	32.7	35.1	31.7	28.6	31.3	34.6	31.1	32.5	34.3	35.3	35.6	33.3	31.9	31.5	30.6	31.8	31.8
19	30.3	29.7	29.1	29.2	30.5	32.4	33.0	37.1	31.5	29.7	30.6	31.5	30.7	32.8	29.6	28.8	32.0	34.4	36.3	35.1	33.4	32.5	30.9	30.7	31.8	31.8
20 D	29.6	30.0	29.8	28.9	30.2	31.7	49.5	34.0	32.4	38.5	36.1	38.0	30.2	34.6	35.7	39.2	36.7	37.6	40.6	42.0	41.6	36.6	36.1	33.5	35.5	35.5
21 D	31.5	28.6	25.9	28.8	29.8	32.4	45.4	38.7	26.6	41.3	55.2	45.2	35.1	28.3	31.5	32.9	34.9	35.5	35.1	35.9	35.3	33.7	30.5	30.4	34.5	34.5
22 D	27.9	29.0	29.7	29.8	31.0	32.1	32.3	36.1	31.6	31.5	37.4	32.8	32.0	35.9	34.5	35.6	37.0	37.9	37.7	36.1	34.8	35.0	31.0	30.4	33.3	33.3
23	25.5	24.2	31.3	31.3	31.6	32.2	34.0	32.2	32.2	32.0	32.0	35.1	31.7	28.6	28.6	30.4	32.5	33.4	35.1	34.7	33.0	32.4	31.1	30.6	31.5	31.5
24	29.8	29.9	21.2	29.3	31.5	32.0	32.5	33.9	31.9	31.5	32.4	36.6	34.3	30.7	29.1	30.1	32.5	34.2	36.1	35.2	34.2	32.0	31.6	30.6	31.8	31.8
25	30.3	30.4	30.0	30.5	31.0	29.8	32.3	31.5	30.7	30.6	32.0	31.0	31.0	28.2	26.7	29.7	31.6	33.1	34.2	35.0	33.9	32.0	31.0	30.0	31.1	31.1
26	29.8	29.7	29.8	30.2	29.9	32.6	30.7	32.6	32.2	43.1	27.3	27.0	27.9	27.4	27.0	30.3	36.8	34.7	35.8	35.2	34.2	32.8	32.0	30.6	31.7	31.7
27	29.7	29.1	29.1	29.9	31.3	31.6	32.2	32.4	31.6	30.9	31.2	32.9	28.8	29.8	29.3	31.3	34.2	34.9	35.9	36.1	34.8	33.0	31.3	30.7	31.8	31.8
28	29.7	29.8	29.8	30.4	31.1	30.7	32.6	32.4	32.0	36.8	29.3	32.1	29.7	28.3	27.9	30.0	32.5	34.2	35.7	35.9	33.8	31.9	30.7	29.7	31.5	31.5
29	30.0	29.7	29.7	30.5	31.0	31.5	31.8	32.3	31.1	30.6	30.6	30.8	31.4	28.3	28.0	29.5	31.7	33.8	35.9	35.2	33.3	31.6	30.7	30.6	31.2	31.2
30	29.8	30.4	26.2	43.3	29.8	30.7	32.2	33.3	31.3	29.9	29.7	30.3	29.8	28.8	26.9	27.9	30.4	32.7	34.0	34.2	33.3	32.0	31.0	30.6	31.2	31.2
31	29.8	29.7	28.2	29.3	29.5	29.5	30.2	31.5	33.1	31.9	30.3	29.6	29.4	27.9	28.0	30.7	29.8	32.4	35.1	35.8	36.3	34.5	33.1	33.1	31.2	31.2
Mean	30.0	29.6	29.1	30.2	30.1	30.4	32.3	32.3	31.2	31.7	32.0	33.0	31.4	30.0	29.3	30.2	32.4	34.1	35.2	35.3	34.5	33.1	32.1	31.1	31.7	31.7

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

Table 3 Agincourt

$z = 56,000 \gamma +$

January 1943

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	455	453	454	452	451	451	452	452	452	451	451	449	449	449	448	445	443	442	446	451	457	459	463	465	452	
2	465	458	455	455	455	453	454	449	441	442	441	442	447	449	451	449	451	455	455	456	459	462	458	457	452	
3	454	454	455	454	451	451	452	453	452	452	450	448	447	450	448	441	440	443	445	450	448	452	454	458	450	
4 D	464	468	464	455	448	452	452	452	452	450	438	397	398	422	445	440	442	461	476	471	470	474	471	476	451	
5	478	462	464	480	471	453	444	453	453	454	454	455	456	458	454	450	454	458	464	467	471	471	471	467	461	
6	465	458	460	458	453	447	446	444	448	451	450	444	452	450	448	444	451	451	452	455	455	458	458	457	453	
7 Q	457	455	456	455	454	455	454	454	454	453	452	451	450	448	448	446	448	449	450	450	451	452	453	452	453	
8	451	450	452	452	451	449	449	447	449	447	447	447	447	447	445	442	441	444	447	449	449	451	455	461	449	
9	457	459	458	456	456	453	438	417	397	410	437	447	450	451	450	448	447	452	453	456	457	456	454	451	446	
10	454	454	457	457	457	454	452	453	454	452	450	450	454	454	453	449	450	452	454	459	460	464	464	463	455	
11 Q	460	457	457	456	457	455	454	453	454	453	453	452	453	453	452	447	451	453	454	460	461	459	455	454	454	
12	457	457	458	459	457	457	452	443	448	456	455	454	454	453	456	452	451	454	455	457	460	457	456	455	454	
13 Q	456	457	459	459	457	454	454	453	450	452	452	453	454	454	453	446	440	447	449	452	453	451	449	449	452	
14 Q	446	445	445	445	444	442	445	445	448	446	445	444	444	443	443	438	438	439	440	443	444	444	443	441	443	
15 Q	442	440	440	442	441	441	443	444	444	443	443	443	443	443	442	438	444	445	451	456	454	451	451	449	445	
16	448	446	446	445	445	446	446	447	447	446	446	445	445	444	445	444	448	456	456	456	458	460	458	458	449	
17 D	462	461	453	451	448	446	444	422	425	434	420	390	395	418	432	441	437	440	444	455	461	466	471	463	441	
18	456	458	462	458	455	452	445	438	432	420	426	436	440	440	444	443	440	446	453	458	456	456	456	452	447	
19	452	453	456	452	452	449	445	445	444	444	447	448	450	449	448	443	444	447	452	454	456	452	454	453	449	
20 D	452	451	450	450	450	442	408	414	420	415	426	426	433	435	431	433	438	449	471	532	577	579	498	481	456	
21 D	479	472	430	444	451	434	381	390	378	380	344	400	421	443	448	462	456	458	460	463	466	463	466	469	436	
22 D	491	486	463	458	453	451	448	443	424	415	432	438	448	450	446	451	453	463	481	465	474	469	468	462	456	
23	469	463	459	459	458	448	441	451	454	452	451	446	453	452	451	452	456	459	463	462	462	463	462	461	456	
24	462	465	456	456	458	455	455	450	455	453	449	446	451	448	446	446	451	454	460	463	466	465	463	459	455	
25	456	459	456	455	455	446	448	454	455	454	453	449	453	451	449	446	448	451	454	458	457	456	453	454	453	
26	454	454	458	461	456	446	446	453	438	378	389	436	446	452	450	448	453	458	461	459	456	456	455	456	446	
27	456	456	454	453	453	453	453	454	454	450	449	449	453	442	438	436	441	443	450	451	452	454	452	450	449	451
28	450	449	448	448	448	444	442	446	440	420	412	419	429	438	436	442	450	456	456	456	456	455	449	447	442	
29	448	449	449	449	446	446	445	448	448	449	448	445	446	449	445	441	445	451	454	459	460	456	452	449	449	
30	447	450	456	456	449	444	444	440	445	445	446	446	446	447	445	444	449	451	456	456	456	456	455	454	449	
31	454	452	449	444	450	449	445	448	448	445	449	449	449	449	448	445	444	444	445	448	455	456	453	456	449	
Mean	459	457	454	454	453	449	444	444	442	439	439	440	444	447	447	445	447	451	455	459	462	462	459	457	450	

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt

January 1943

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	13 50	330	23 58	299	31	22 50	39.1	15 39	27.3	11.8	22 50	466	16 00	441	25
2	10 30	324	16 50	285	39	17 55	36.8	08 36	27.0	09.8	00 01	465	08 20	436	29
3	21 30	327	02 00	295	32	23 15	38.0	04 45	27.4	10.6	23 59	463	15 40	438	25
4 D	03 36	335	18 05	253	82	11 49	58.3	10 13	24.9	33.4	23 59	483	07 45	382	101
5	01 38	380	17 40	269	<u>111</u>	06 42	44.1	01 27	14.7	29.4	00 15	491	06 30	435	56
6	01 02	324	00 43	277	47	05 14	37.1	01 00	15.6	21.5	00 45	472	07 18	435	37
7 Q	00 27	315	16 40	294	<u>21</u>	20 30	34.6	05 29	28.2	<u>06.4</u>	00 23	458	16 00	442	16
8	13 45	315	23 08	295	20	21 18	35.5	23 40	25.2	10.3	23 15	464	16 03	439	25
9	21 04	313	08 05	274	39	08 37	42.1	09 40	22.5	19.6	02 37	461	08 41	387	74
10	21 33	313	17 30	279	34	19 24	36.5	14 03	27.0	09.5	23 02	466	15 50	446	20
11 Q	22 00	325	15 58	280	45	18 10	35.9	14 56	27.1	08.8	20 05	463	15 50	446	17
12	12 25	321	17 04	288	33	07 00	39.9	05 15	25.1	14.8	20 00	462	07 04	435	27
13 Q	22 00	321	16 55	284	37	18 52	35.2	01 55	26.3	08.9	02 00	461	16 20	440	21
14 Q	20 47	323	16 45	286	37	18 35	36.1	14 30	27.4	08.7	00 05	448	17 20	436	<u>12</u>
15 Q	12 00	327	17 30	291	36	19 58	34.7	15 35	25.9	08.8	19 55	456	04 35	435	21
16	11 49	322	17 50	276	46	20 09	36.6	14 20	25.9	10.7	21 00	462	15 55	441	21
17 D	11 55	341	19 05	230	111	11 15	<u>58.6</u>	09 53	26.0	32.6	22 18	471	12 10	371	100
18	06 28	314	09 50	264	50	10 55	38.1	05 48	21.1	17.0	02 02	462	10 23	407	55
19	08 11	313	17 28	279	34	07 23	39.7	15 12	28.0	11.7	20 00	458	15 40	440	18
20 D	21 10	378	18 10	223	155	06 34	54.3	03 38	27.0	27.3	20 57	<u>658</u>	06 55	394	<u>264</u>
21 D	02 50	339	10 48	216	123	11 00	58.4	02 30	06.8	51.6	00 01	482	10 10	<u>316</u>	166
22 D	11 12	311	00 45	<u>203</u>	108	07 50	57.2	00 50	<u>04.0</u>	<u>53.2</u>	00 52	521	09 36	405	116
23	12 30	300	17 10	264	36	05 45	37.5	01 27	19.9	17.6	18 45	472	06 15	440	32
24	12 38	309	16 50	268	41	11 29	37.9	02 25	11.8	26.1	01 40	466	15 00	442	24
25	22 01	325	15 58	281	44	19 20	35.0	14 08	26.1	08.9	01 00	461	06 05	440	21
26	10 37	319	16 27	264	55	09 14	49.1	10 40	24.0	25.1	19 00	462	09 37	356	106
27	12 50	318	17 06	264	54	19 03	36.9	12 45	27.4	09.5	00 50	457	14 45	436	21
28	05 20	326	16 55	273	53	09 22	39.2	13 28	25.1	14.1	20 05	459	10 10	405	54
29	22 35	319	17 10	280	39	19 06	36.5	14 53	27.0	09.5	19 45	463	15 40	440	23
30	23 45	315	02 40	268	47	07 05	35.1	02 50	20.7	14.4	03 07	459	07 20	436	23
31	12 50	323	17 25	290	33	20 00	36.2	02 50	25.5	10.7	23 59	464	03 30	439	25
Mean		325		271	54		41.0		23.2	17.8		473		422	51
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 1943

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	313	306	308	308	307	308	304	309	314	313	313	313	313	310	310	308	303	301	305	313	318	318	313	310	310	310	
2	314	314	310	312	304	304	305	310	310	317	318	321	323	320	320	321	309	303	309	318	324	323	324	322	322	315	
3	318	306	304	308	303	289	293	300	299	309	313	311	311	313	321	315	308	305	308	314	310	309	313	308	308	308	
4 D	310	306	306	284	287	294	300	306	304	301	295	311	321	318	304	303	308	305	311	315	320	330	325	320	308	308	
5	308	304	313	310	313	303	295	306	302	313	315	309	309	320	316	306	293	299	313	321	313	321	318	318	310	310	
6	309	315	313	313	315	316	310	313	305	305	313	314	310	315	315	301	285	289	309	315	324	315	313	314	310	310	
7	310	306	308	303	315	309	310	309	314	316	319	318	315	311	306	298	296	304	311	318	314	315	316	318	311	311	
8	308	313	311	311	314	313	314	314	314	313	310	312	315	307	298	296	297	299	303	304	318	329	328	326	311	311	
9	321	316	310	303	298	298	302	308	303	305	321	323	318	311	303	296	293	295	304	311	313	321	324	323	309	309	
10 Q	318	318	318	317	316	318	318	318	318	318	321	324	324	318	313	305	303	298	298	303	315	322	329	325	323	316	316
11	321	317	325	322	318	299	288	299	307	312	320	316	313	308	303	295	289	289	295	305	313	318	320	321	309	309	
12 Q	314	313	308	304	307	313	314	314	315	314	314	320	325	321	317	306	298	298	303	308	313	320	324	324	313	313	
13 D	326	333	336	324	324	314	318	323	311	325	330	330	334	333	330	326	318	315	307	304	308	313	314	319	322	322	
14	316	316	315	313	318	322	327	325	325	328	325	331	329	328	323	313	311	318	322	322	326	328	328	328	322	322	
15 Q	322	330	328	328	326	330	341	329	321	322	329	336	340	333	325	298	298	295	301	311	318	315	315	312	321	321	
16	310	308	307	303	306	311	308	311	312	316	314	314	314	308	300	306	305	318	331	338	349	354	349	353	318	318	
17 D	360	353	341	321	302	274	244	218	260	318	310	238	328	316	287	277	282	280	295	313	298	293	301	309	297	297	
18	307	307	286	277	294	304	302	304	298	307	307	306	305	298	293	289	292	298	307	312	312	312	309	307	302	302	
19	293	291	300	304	307	307	305	300	293	297	307	309	312	302	287	277	283	293	298	303	310	317	317	317	301	301	
20	313	311	308	308	312	319	312	316	314	316	316	320	315	307	301	291	289	292	302	310	317	318	318	321	310	310	
21 Q	317	317	316	317	316	316	317	321	317	315	321	320	317	309	302	289	286	291	300	307	312	319	322	322	312	312	
22	322	322	320	319	319	323	324	323	323	320	317	317	317	312	305	298	297	297	307	319	320	328	329	329	317	317	
23	319	317	315	317	319	317	322	328	324	327	325	327	326	323	320	310	307	307	318	322	317	323	315	321	320	320	
24	313	310	307	301	322	320	319	320	319	319	324	328	323	319	310	305	302	299	307	318	328	322	317	313	315	315	
25 D	311	312	312	315	321	314	314	315	316	318	322	325	322	313	306	301	299	296	283	303	321	331	322	331	313	313	
26 D	337	288	278	265	276	292	288	283	292	290	292	308	306	297	291	274	261	276	286	297	306	316	311	306	292	292	
27	288	269	276	276	278	280	301	301	301	295	288	306	311	303	292	290	286	287	290	298	303	307	310	311	293	293	
28 Q	306	303	301	303	302	303	306	308	311	311	314	314	313	309	301	285	278	285	296	306	316	316	318	318	305	305	
29																											
30																											
31																											
Mean	315	311	309	306	308	307	307	308	308	312	314	314	317	313	306	299	295	297	304	312	316	320	319	319	310	310	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Agilmcourt

D = 7° W + . . . ' .

February 1943

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24		
1	31.0	30.2	31.3	30.0	30.0	30.4	30.0	31.0	32.0	30.4	29.8	29.5	29.0	28.1	27.5	29.7	30.4	33.3	34.7	35.2	34.8	33.8	33.3	31.6	31.1	
2	30.5	29.7	30.3	29.7	28.6	28.8	29.8	29.0	27.7	28.2	28.7	29.1	28.9	28.0	28.8	30.2	31.8	32.5	33.2	34.2	34.1	32.5	31.5	31.0	30.3	
3	31.0	32.8	30.6	30.2	30.4	27.9	27.4	28.8	28.8	31.3	28.3	28.2	28.8	28.9	29.5	30.7	33.2	34.0	34.5	35.2	35.1	34.2	33.3	31.6	31.0	
4 D	30.4	28.9	25.2	24.0	24.3	27.4	30.2	35.6	29.7	26.0	28.6	34.7	26.8	26.8	29.1	31.6	34.0	34.5	35.2	36.1	34.1	33.4	32.2	31.6	30.4	
5	28.1	27.0	29.6	30.2	29.5	30.6	36.8	29.7	28.3	28.0	28.3	30.0	32.4	29.0	28.9	30.2	32.5	33.8	34.0	33.7	33.3	31.5	31.6	31.1	30.8	
6	28.0	23.5	31.6	30.6	31.0	31.5	31.4	31.5	28.8	28.3	27.0	29.2	29.2	27.2	27.9	29.8	34.2	37.9	37.1	35.2	34.2	33.4	31.9	30.6	30.9	
7	29.9	29.5	28.9	28.4	29.5	30.7	32.2	32.5	32.0	30.7	30.0	30.1	28.9	27.7	26.8	29.6	32.4	33.9	35.8	35.6	35.1	34.0	32.2	31.5	31.2	
8	30.6	30.6	29.7	29.5	30.6	31.2	31.7	31.2	31.0	30.1	29.4	29.2	28.0	26.8	27.7	29.5	32.9	34.3	36.6	36.4	34.3	33.0	31.2	30.1	31.1	
9	29.7	29.5	29.8	29.7	28.7	28.8	30.0	30.7	30.6	33.3	31.3	30.6	28.0	27.3	26.6	28.6	32.4	34.6	35.4	35.1	33.1	31.3	30.6	30.6	30.7	
10 Q	30.3	29.8	29.5	29.5	30.0	29.8	31.0	30.9	30.1	30.0	28.8	28.7	27.9	27.9	28.6	30.6	32.0	33.1	34.4	35.1	35.3	33.9	32.6	32.0	30.9	
11	31.1	30.1	28.8	25.9	26.8	24.4	25.1	28.1	30.4	29.8	28.6	28.9	28.3	27.5	25.2	27.9	30.7	32.4	33.7	33.4	33.2	33.3	32.5	31.9	29.4	
12 Q	31.9	31.7	30.4	29.5	30.0	30.8	30.8	30.8	30.7	29.6	29.7	30.6	26.8	25.6	24.6	26.2	28.2	30.6	31.9	33.3	34.0	32.5	31.4	30.7	30.1	
13 D	30.4	28.5	29.0	30.6	29.4	29.8	28.3	30.6	30.9	35.4	31.3	30.1	28.6	27.2	28.1	30.6	30.6	31.5	32.9	33.0	32.8	32.9	32.4	31.5	30.7	
14	30.9	31.3	31.1	30.7	30.0	32.0	33.1	29.8	29.7	30.6	32.2	30.7	28.8	27.8	27.9	27.4	28.9	29.7	31.0	31.6	31.3	30.7	31.0	30.5	30.4	
15 Q	29.7	30.6	31.2	31.2	30.7	31.3	29.6	29.6	28.9	31.5	31.0	29.3	28.7	27.3	28.0	30.6	32.3	33.3	34.3	33.0	32.0	31.0	30.7	30.7	30.7	
16	30.7	30.7	30.4	30.2	30.4	31.2	30.4	31.0	30.7	30.5	30.2	29.6	28.8	27.9	26.5	28.6	30.8	31.9	32.6	32.1	30.8	30.0	29.9	30.5	30.3	
17 D	30.0	29.9	30.1	30.1	17.0	23.9	32.7	40.0	28.8	20.2	39.3	52.6	29.7	28.9	32.3	32.5	35.0	36.1	34.8	35.9	32.5	29.2	30.7	31.0	31.8	
18	30.8	30.4	28.8	24.0	28.8	31.3	32.5	40.1	39.1	39.7	38.9	39.2	39.1	29.3	27.7	29.2	31.6	34.0	34.9	34.1	32.3	30.5	30.5	30.9	32.8	
19	31.0	27.9	24.0	30.7	31.5	31.1	30.6	31.7	31.2	32.9	31.3	30.4	28.9	27.9	28.1	31.8	33.0	35.0	36.0	35.1	32.9	31.3	29.7	29.8	31.0	
20	30.5	29.9	30.0	29.6	29.5	29.0	31.3	31.7	31.3	30.6	31.0	29.8	27.5	27.0	27.3	30.7	34.0	35.8	37.1	35.9	33.8	31.8	31.0	30.7	31.1	
21 Q	30.6	30.7	30.5	30.7	30.6	31.0	30.9	32.8	29.6	29.7	29.0	28.6	27.7	27.0	27.5	29.8	32.2	35.1	36.9	37.1	34.4	32.5	31.2	30.7	31.1	
22	30.6	30.0	30.4	30.8	30.7	30.6	30.0	30.0	29.9	28.6	27.4	26.0	25.5	26.0	25.0	27.7	30.4	32.3	34.0	34.1	32.4	31.6	31.5	30.5	29.8	
23	31.3	30.0	30.1	30.4	30.2	30.5	30.2	30.9	28.9	34.0	27.3	27.7	26.1	28.0	27.6	28.4	31.0	33.9	35.2	36.1	36.0	35.2	31.0	31.5	30.9	
24	30.6	29.5	29.1	28.0	30.0	31.5	29.1	31.3	31.6	31.7	33.1	31.0	28.0	27.9	26.4	27.2	30.1	33.4	36.1	35.2	34.7	33.3	31.5	29.8	30.8	
25 D	30.7	29.9	29.7	29.5	29.9	29.8	29.7	29.9	30.0	30.6	30.2	28.6	26.9	25.7	25.5	28.4	31.3	35.6	40.4	43.6	42.6	43.4	41.1	39.8	32.6	
26 D	47.1	30.4	27.0	21.9	25.5	28.3	30.0	31.0	32.2	31.0	37.7	33.4	27.0	25.3	25.5	28.1	34.8	39.5	38.6	38.3	37.8	38.1	38.0	38.4	32.7	
27	37.6	31.3	22.1	28.8	28.8	37.6	29.7	31.2	31.2	32.0	35.0	31.0	27.3	28.0	28.0	30.0	32.2	34.2	35.1	35.2	34.2	33.2	32.0	31.2	31.5	
28 Q	31.3	30.9	30.6	28.8	29.7	31.3	30.7	30.9	31.0	32.4	30.4	29.8	28.6	27.0	27.0	28.4	31.7	34.1	35.2	34.5	33.3	32.2	31.5	30.8	30.9	
29																										
30																										
31																										
Mean	31.3	29.8	29.3	29.0	29.0	30.1	30.6	31.5	30.6	30.5	30.9	31.0	28.6	27.5	27.5	29.3	31.9	33.9	35.0	35.2	34.1	33.0	32.1	31.5	31.0	

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

Table 7 Agincourt

Z = 56,000 γ +

February 1943

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	460	462	459	456	456	455	457	452	451	449	452	452	452	450	446	443	445	446	447	451	455	455	453	455	452	
2	455	451	451	451	451	452	448	443	445	449	449	449	449	447	446	440	439	438	442	447	450	450	451	449	448	
3	450	455	462	459	453	448	450	454	448	437	438	339	444	439	431	430	432	433	439	446	448	452	456	456	446	
4 D	455	456	458	445	445	449	451	445	445	441	438	428	439	441	440	440	440	442	443	446	449	454	452	451	445	
5	451	455	455	456	454	447	423	432	448	452	446	446	450	445	440	440	444	449	449	448	448	452	456	455	448	
6	461	453	455	454	452	451	446	439	434	446	448	447	448	448	442	441	444	452	455	450	453	452	453	453	449	
7	456	456	453	455	444	446	448	448	447	448	448	449	451	451	445	439	440	448	449	449	449	453	454	453	449	
8	455	455	455	453	451	448	448	448	448	448	446	445	448	446	445	440	444	447	449	462	456	452	450	449	449	
9	449	448	449	450	448	446	448	447	445	444	442	447	448	444	440	437	442	448	450	454	455	455	456	453	448	
10 Q	453	453	451	449	449	445	448	448	448	448	445	445	445	446	440	436	439	440	445	448	448	449	448	449	446	
11	452	452	451	447	444	434	420	442	438	443	448	448	450	454	450	440	442	445	447	451	454	454	453	451	446	
12 Q	451	455	459	460	458	454	449	449	450	446	445	442	440	444	442	442	438	443	446	448	453	455	453	449	449	
13 D	449	450	451	453	452	446	445	446	440	428	433	439	439	442	438	436	433	437	439	445	449	450	449	453	443	
14	449	449	449	450	449	437	432	436	444	443	437	436	440	442	440	440	440	440	451	451	451	451	449	440	444	
15 Q	445	445	444	444	444	443	440	443	446	447	448	443	443	440	444	444	446	456	459	462	459	460	456	456	448	
16	456	455	453	453	453	452	453	454	455	453	452	452	455	456	453	446	446	446	451	451	453	451	451	448	446	452
17 D	449	447	445	447	437	420	391	346	354	417	387	354	426	437	438	446	449	455	458	466	476	476	464	460	431	
18	457	455	458	464	462	459	454	436	416	435	444	451	454	455	450	447	447	447	451	455	456	456	455	456	451	
19	460	463	453	459	457	454	449	445	449	455	452	453	455	454	450	447	449	453	454	454	457	457	456	455	454	
20	454	454	453	452	447	441	450	450	452	451	449	448	448	451	452	445	449	454	454	456	457	459	457	457	452	
21 Q	454	455	454	453	454	454	452	449	449	453	453	453	454	454	453	454	454	456	460	463	462	461	460	459	455	
22	457	454	453	453	453	453	450	452	451	450	447	449	451	453	450	445	447	449	453	456	456	454	453	457	452	
23	457	457	456	456	453	450	454	446	439	444	439	449	450	447	443	440	441	445	451	454	457	464	464	460	451	
24	460	460	460	459	434	425	439	449	446	448	449	451	452	451	446	443	442	446	451	453	457	455	457	457	450	
25 D	458	457	454	451	442	449	451	450	450	448	448	449	446	446	441	434	439	449	461	480	485	503	569	569	458	
26 D	630	625	586	532	493	490	458	452	454	451	458	461	463	460	456	450	452	461	470	484	478	480	485	504	489	
27	523	522	483	487	473	426	452	457	461	452	435	446	451	451	451	456	454	455	460	465	464	465	464	462	463	
28 Q	461	464	467	464	461	456	456	458	458	457	455	455	457	454	452	455	461	463	464	464	464	462	461	458	457	459
29																										
30																										
31																										
Mean	463	463	460	458	453	448	446	444	443	446	444	444	449	449	446	443	444	449	452	456	457	458	458	460	451	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt

February 1943

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 53	322	16 00	298	<u>24</u>	19 35	35.5	14 35	27.0	08.5	00 02	463	15 05	442	21
2	21 05	333	06 20	300	<u>33</u>	20 05	35.1	08 55	26.5	08.6	00 01	455	17 00	436	19
3	00 15	324	05 55	283	41	20 50	36.1	06 20	25.5	10.6	02 19	462	15 00	426	36
4 D	21 10	337	03 43	272	65	07 20	40.9	03 00	22.8	18.1	02 17	463	11 40	428	35
5	02 05	324	16 32	285	39	06 37	39.1	01 15	24.7	14.4	03 15	458	06 28	411	47
6	20 35	325	17 05	270	55	17 30	39.5	01 07	14.5	25.0	00 57	475	08 01	429	46
7	04 07	327	15 50	293	34	18 54	36.4	04 02	19.0	17.4	06 00	457	04 25	435	22
8	22 03	331	15 25	293	38	19 20	38.6	14 15	26.1	12.5	20 05	463	15 30	440	23
9	11 50	325	16 32	289	36	18 58	36.0	14 30	25.5	10.5	20 30	456	15 50	432	24
10 Q	22 00	330	17 30	289	41	19 50	36.3	12 12	27.7	08.6	00 15	454	16 00	436	18
11	02 34	333	06 40	279	54	19 00	34.3	06 40	21.6	12.7	20 35	454	06 25	391	63
12 Q	02 20	326	17 45	297	29	20 12	34.4	14 10	24.0	10.4	03 25	461	12 00	435	26
13 D	12 10	341	19 07	294	47	09 00	42.8	02 20	26.2	16.6	03 40	454	09 17	426	28
14	11 15	334	03 10	309	25	06 01	35.9	15 10	26.5	09.4	07 10	464	09 16	436	28
15 Q	06 06	347	17 46	294	53	19 30	34.6	14 44	26.9	07.7	20 00	462	15 45	439	23
16	22 06	370	16 13	298	72	18 30	33.3	14 37	26.3	<u>07.0</u>	08 00	456	22 10	443	<u>13</u>
17 D	01 20	368	11 10	<u>156</u>	<u>212</u>	11 12	<u>69.4</u>	04 20	<u>10.7</u>	<u>58.7</u>	20 53	477	10 58	<u>299</u>	178
18	22 03	328	03 10	<u>263</u>	65	07 50	47.7	03 30	20.6	27.1	03 15	466	08 15	392	74
19	12 38	319	15 17	271	48	18 02	36.5	02 05	16.8	19.7	02 00	467	07 05	443	24
20	05 00	327	17 00	282	45	18 22	37.3	14 00	24.9	12.4	22 00	461	05 12	433	28
21 Q	23 02	324	16 58	286	38	19 27	38.0	13 09	26.5	11.5	20 00	466	08 20	445	21
22	23 25	335	16 58	293	42	19 35	34.7	14 55	24.0	10.7	20 10	458	10 10	443	15
23	21 20	340	17 52	299	41	09 18	37.6	13 00	25.2	12.4	21 20	469	08 35	434	35
24	04 23	343	17 55	297	46	18 57	36.8	14 45	25.2	11.6	01 00	464	05 28	418	46
25 D	23 59	358	18 15	266	92	19 50	46.8	14 30	24.9	21.9	23 59	615	16 20	433	182
26 D	00 27	<u>375</u>	04 11	245	130	00 34	65.0	01 50	11.3	53.7	00 38	<u>700</u>	07 22	442	<u>258</u>
27	23 14	313	02 00	242	71	05 25	44.1	02 03	11.3	32.8	00 45	535	05 30	410	125
28 Q	22 15	318	16 45	278	40	18 15	35.7	13 50	26.1	09.6	03 02	468	14 43	451	17
29															
30															
31															
Mean		335		279	56		39.9		22.8	17.1		479		426	53
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 1943

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	318	320	316	316	313	318	322	324	322	324	325	324	316	301	287	295	301	300	302	304	309	313	316	317	312
2	319	319	312	306	311	306	305	282	272	214	242	272	279	273	287	286	279	278	287	301	300	311	321	321	291
3	313	312	311	310	311	311	314	316	311	298	290	308	316	309	301	283	276	273	280	289	291	293	307	313	302
4	308	307	308	306	301	290	288	287	281	285	302	306	296	290	294	282	280	284	290	306	311	301	312	304	297
5	293	293	302	290	276	285	293	286	291	301	306	301	301	293	287	289	277	273	295	306	312	309	303	298	294
6	305	300	306	306	305	304	305	308	308	308	309	312	306	305	290	283	286	295	304	311	303	313	311	309	303
7	305	310	310	302	305	305	306	310	309	310	310	308	307	298	290	287	289	292	297	303	305	307	311	300	303
8	305	293	301	288	292	297	300	300	300	303	305	307	301	295	287	282	283	285	296	308	315	319	306	313	299
9	310	315	305	305	305	305	302	302	295	305	302	303	298	301	291	287	278	285	296	308	305	306	308	314	301
10 Q	312	307	307	305	310	310	307	310	309	312	314	314	311	306	298	290	292	295	305	312	316	318	318	312	308
11	313	318	311	307	305	306	310	310	312	315	315	313	312	317	310	306	308	318	329	315	335	323	307	306	313
12	304	299	286	293	310	319	319	319	319	325	325	324	310	304	304	267	295	304	318	319	305	300	304	309	307
13 Q	314	316	303	310	314	314	315	316	317	318	320	321	319	308	302	297	294	305	319	325	327	322	318	320	314
14	317	317	310	309	309	314	314	317	319	313	321	317	311	302	293	294	302	306	311	317	322	321	319	322	312
15 Q	322	318	316	319	319	318	319	320	322	322	320	319	314	307	300	300	299	306	314	320	324	322	321	321	316
16 D	320	313	318	326	314	304	286	312	294	285	295	305	304	301	295	283	281	286	296	306	281	302	309	284	300
17	285	307	312	313	314	314	315	316	316	311	311	314	318	311	299	289	292	297	304	309	310	311	309	314	308
18	317	317	319	319	321	322	324	320	324	320	321	319	316	310	302	291	290	296	301	311	321	326	325	324	315
19	319	321	319	320	319	319	320	324	323	327	330	324	319	308	303	287	290	309	325	335	359	303	313	319	318
20 D	319	313	305	309	308	310	317	310	294	310	324	324	313	293	286	271	284	283	267	308	301	311	313	308	303
21	303	298	297	303	309	313	317	305	303	305	298	301	319	311	296	280	278	294	311	316	328	330	328	329	307
22	328	329	325	319	311	315	319	320	322	327	324	323	313	301	285	276	285	293	308	315	320	305	293	273	309
23 D	267	227	288	269	231	270	238	252	279	319	309	301	296	288	282	267	267	267	283	313	319	318	311	306	282
24	310	313	308	308	308	305	313	308	305	313	311	310	297	299	290	272	258	275	298	308	313	315	318	315	303
25 Q	318	316	316	309	313	307	306	311	315	321	321	323	318	308	296	282	282	290	303	313	320	321	318	319	310
26	316	316	311	316	316	326	329	318	318	321	323	321	319	313	301	287	284	300	318	322	327	329	331	323	316
27	328	327	328	328	326	328	328	326	327	327	327	327	322	313	300	282	284	298	313	323	319	318	323	321	318
28 Q	318	317	315	317	317	316	317	318	319	319	318	318	318	312	300	283	281	286	295	312	318	315	314	317	311
29 D	314	317	310	299	303	314	312	307	312	317	311	298	317	313	288	269	304	307	334	358	358	439	464	375	332
30 D	390	446	304	261	227	257	253	272	279	269	247	282	281	254	261	269	281	288	288	306	294	312	300	303	288
31	287	309	287	283	292	295	292	295	302	299	299	296	293	288	277	261	271	287	304	314	306	320	307	304	295
Mean	313	314	308	306	304	307	307	307	307	308	309	311	308	303	293	283	285	292	303	313	316	318	318	313	306

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt

D = 7° W + . . . '

March 1943

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	30.6	30.5	30.5	30.4	30.5	30.6	29.8	29.7	29.7	28.9	28.8	28.0	26.3	27.1	27.7	33.4	35.1	36.5	35.7	35.2	34.2	33.0	32.0	31.2	31.0
2	30.6	29.7	29.7	24.3	28.0	29.7	30.7	28.0	25.5	12.2	21.3	20.6	21.5	24.0	27.3	28.6	32.5	35.4	36.1	35.2	34.0	32.8	32.0	30.6	28.3
3	30.9	30.0	29.8	30.0	30.4	30.6	30.4	29.5	28.8	28.0	27.9	27.5	26.0	25.6	24.5	27.4	30.1	34.0	36.1	36.1	35.7	36.8	36.5	34.0	30.7
4	30.1	32.4	32.0	30.4	24.9	28.0	28.3	28.0	31.5	29.0	27.1	36.4	26.4	25.0	26.1	28.8	33.1	36.7	36.2	35.0	35.9	33.4	33.6	30.1	30.8
5	29.3	30.4	28.6	25.5	21.0	26.4	28.9	32.0	25.5	27.7	30.0	28.0	27.5	25.9	25.8	28.9	32.0	34.3	35.7	35.2	35.5	35.1	33.1	31.7	29.8
6	27.2	29.0	30.4	30.4	30.2	29.5	32.2	32.4	30.2	30.1	29.8	29.7	27.3	26.4	26.3	28.6	32.2	34.4	36.1	37.1	37.6	35.7	34.0	32.6	31.2
7	28.9	29.8	29.6	29.6	29.1	28.8	30.1	30.7	31.5	30.4	28.9	28.1	27.6	26.8	26.4	30.1	32.1	35.2	36.1	36.1	37.1	37.4	36.5	34.2	31.3
8	30.2	31.3	30.6	24.4	29.0	28.7	28.5	31.7	30.6	31.4	27.2	27.6	28.0	25.9	25.5	29.2	33.3	36.3	35.6	35.1	34.3	34.3	34.4	33.0	30.7
9	34.6	27.8	28.9	29.0	30.0	29.9	29.4	28.6	27.9	29.9	27.2	26.1	25.6	26.7	25.9	27.9	31.2	33.1	33.8	34.7	34.6	33.0	29.9	30.6	29.9
10 Q	31.0	28.5	28.7	29.0	29.5	29.7	29.8	29.2	29.8	29.0	28.0	26.4	25.9	25.0	25.2	29.8	33.2	36.1	37.9	38.1	37.1	35.0	34.3	33.1	30.8
11	33.3	27.5	28.6	29.7	28.8	28.8	29.5	30.2	30.0	30.0	28.6	27.7	26.8	25.9	25.6	26.8	28.1	31.3	35.0	36.5	36.1	35.6	35.3	31.8	30.3
12	29.8	31.4	27.7	25.9	32.4	28.9	30.0	30.2	29.5	30.4	30.7	29.9	30.5	30.6	27.1	34.0	35.9	35.2	35.1	37.4	35.9	35.0	32.4	31.2	31.5
13 Q	30.7	30.6	28.1	29.9	30.9	31.0	30.5	30.6	31.0	30.5	30.2	30.0	28.6	27.0	29.4	32.0	34.2	35.9	36.1	34.9	33.4	32.1	31.5	31.5	31.2
14	31.5	31.6	25.5	24.0	27.7	30.9	30.8	30.6	32.8	32.5	29.5	27.5	26.5	27.0	27.7	35.0	38.0	37.9	37.0	35.6	34.0	32.4	31.9	31.6	31.2
15 Q	31.0	30.9	30.1	29.8	30.4	30.4	30.3	29.9	29.5	29.2	29.1	28.6	27.2	26.2	26.3	29.9	33.4	36.5	36.8	35.4	34.0	32.6	31.3	31.6	30.9
16 D	30.4	28.6	30.4	31.3	31.3	28.9	18.3	33.9	25.2	40.9	32.6	24.5	23.7	27.9	28.3	30.4	35.3	35.9	34.2	33.8	36.4	33.4	31.3	28.8	30.7
17	26.8	32.0	31.3	31.3	31.3	30.8	29.5	29.9	29.1	29.3	32.2	34.2	30.6	26.1	26.3	29.8	33.3	35.8	36.4	35.5	34.3	33.3	32.2	31.6	31.4
18	31.3	31.6	31.6	31.0	29.8	31.6	31.1	33.4	34.3	29.0	27.9	27.3	26.9	27.0	29.0	31.6	35.1	38.0	39.0	36.8	35.1	33.6	32.5	31.0	31.9
19	32.5	31.7	31.5	31.0	31.1	30.7	29.8	30.5	29.2	28.0	26.3	25.4	24.5	25.9	28.9	31.1	36.8	37.7	36.8	36.0	37.1	37.5	32.8	32.0	31.4
20 D	30.8	30.8	27.1	26.8	28.0	33.1	34.2	31.6	39.6	32.8	25.2	27.3	25.0	26.4	31.1	34.0	34.5	38.0	41.9	39.3	37.7	33.4	31.7	30.5	32.1
21	30.0	29.5	27.5	29.9	30.1	33.8	36.3	32.2	28.9	24.8	26.6	35.5	29.5	24.9	26.0	31.3	38.9	43.4	43.2	41.1	37.3	34.3	31.9	31.3	32.4
22	30.3	30.0	29.8	29.1	29.3	28.2	29.2	28.4	28.2	28.7	30.6	29.0	22.5	20.9	22.7	30.4	37.2	37.9	38.8	38.1	36.7	35.0	27.3	25.9	30.1
23 D	18.1	11.8	24.0	20.4	20.9	25.0	33.3	44.8	40.8	33.0	26.2	26.8	27.3	25.4	24.3	27.7	31.3	33.7	36.4	37.8	35.2	33.4	30.7	28.6	29.0
24	28.6	29.5	29.8	29.1	30.0	28.1	34.0	30.4	29.2	28.0	28.6	28.6	31.6	27.4	25.9	29.2	33.6	36.5	36.0	35.4	34.0	33.0	31.6	31.8	30.8
25 Q	31.0	30.7	30.6	29.0	28.9	28.0	29.8	30.0	29.0	29.7	29.6	27.7	26.4	25.5	26.4	29.2	32.4	35.1	36.3	36.1	35.0	33.2	32.3	31.9	30.6
26	28.9	27.4	29.5	30.5	30.0	31.0	33.1	30.0	28.8	29.5	30.0	29.2	27.8	26.5	27.3	31.9	36.5	38.8	39.6	38.6	36.9	34.7	32.8	32.2	31.7
27	31.8	31.2	31.3	30.6	30.4	30.0	29.8	29.5	29.4	28.9	28.9	29.0	27.1	26.0	26.9	30.1	33.3	36.0	36.7	36.8	36.8	34.3	32.2	31.0	31.1
28 Q	30.7	30.1	29.8	29.9	29.5	29.6	29.8	30.4	29.9	29.0	28.6	27.1	26.8	25.3	24.7	27.3	30.4	34.6	36.6	36.5	35.9	34.4	34.0	32.2	30.5
29 D	31.5	28.2	28.0	26.9	28.3	31.0	27.4	27.8	28.9	28.0	26.6	24.6	25.0	23.4	21.5	29.5	35.9	34.0	34.0	39.2	42.5	27.2	31.0	32.2	29.7
30 D	33.3	33.3	33.5	36.5	18.3	27.2	28.0	31.6	31.6	29.9	30.9	33.6	26.8	26.8	30.6	29.8	32.4	33.4	35.8	36.3	38.9	38.4	39.6	35.2	32.5
31	30.3	24.4	31.3	34.4	33.0	29.1	28.9	29.0	29.7	28.3	29.1	28.0	27.5	25.5	28.2	32.4	35.6	38.0	38.9	38.6	36.8	37.7	37.1	32.0	31.9
Mean	30.2	29.4	29.5	29.0	28.8	29.6	30.0	30.8	30.1	29.2	28.8	28.4	26.8	26.0	26.6	30.2	33.8	36.0	36.8	36.6	36.0	34.2	32.9	31.5	30.9

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

Table 11 Agincourt

Z = 56,000 γ +

March 1943

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	455	456	455	454	455	457	455	453	454	453	452	450	451	455	455	458	450	457	460	461	463	463	461	457	456	
2	457	455	457	456	451	463	446	414	340	319	379	416	444	459	458	446	445	448	453	459	458	458	462	461	438	
3	458	455	456	455	457	457	457	456	455	450	414	428	434	438	441	444	449	451	458	462	467	465	471	471	452	
4	469	470	471	470	463	457	451	441	386	422	423	416	436	458	454	448	452	456	459	455	460	476	478	473	452	
5	478	478	463	439	456	465	427	380	418	445	453	459	461	457	451	446	447	455	459	456	459	459	466	466	452	
6	465	466	462	458	458	453	442	442	451	454	454	456	456	455	451	450	454	458	459	462	464	468	466	468	457	
7	468	464	458	460	460	456	459	460	458	456	455	459	460	460	456	452	451	454	459	462	464	466	471	481	461	
8	478	477	456	453	471	464	457	451	441	442	451	459	459	457	454	451	453	457	461	459	462	465	469	469	459	
9	475	469	461	465	459	459	451	438	440	455	445	452	457	457	456	453	454	457	458	459	459	459	463	463	457	
10 Q	465	462	460	459	459	457	457	455	455	454	454	453	451	450	446	441	442	442	442	447	452	459	463	465	454	
11	465	459	457	459	459	456	457	456	456	453	449	453	452	447	442	437	435	436	435	439	454	465	480	471	453	
12	470	476	467	457	426	447	455	455	454	452	449	444	444	448	446	442	453	453	459	459	465	463	467	462	455	
13 Q	460	457	459	458	457	456	455	454	455	455	452	452	454	452	449	448	452	456	458	458	457	458	457	459	455	
14	457	457	453	444	448	454	455	456	446	446	451	455	455	452	452	454	453	454	458	460	461	459	456	456	454	
15 Q	456	454	455	455	454	455	454	455	454	452	453	453	454	455	454	454	454	458	456	457	460	459	459	457	455	
16 D	454	454	455	455	453	451	422	410	429	396	301	409	442	452	454	449	454	458	460	469	471	475	469	485	443	
17	494	474	464	460	459	456	453	457	454	455	451	443	448	448	449	449	453	454	460	461	457	461	461	460	457	
18	458	455	454	453	448	447	448	437	424	433	448	451	453	451	450	447	450	453	458	459	458	456	454	454	450	
19	455	453	451	450	453	451	450	437	444	446	444	448	447	447	449	445	447	448	448	449	465	473	467	457	451	
20 D	455	456	456	449	449	447	434	433	365	382	424	444	449	448	450	454	457	452	464	473	466	467	463	460	445	
21	464	464	465	464	459	448	419	424	435	440	438	434	433	440	441	440	445	454	462	464	467	465	457	456	449	
22	455	455	456	458	462	452	459	459	457	455	448	451	452	454	451	454	458	459	462	468	490	517	524	505	464	
23 D	504	494	411	435	393	419	354	323	373	421	442	455	459	462	461	458	461	465	468	474	478	481	473	472	444	
24	468	464	461	462	462	454	431	416	434	448	455	458	456	458	457	450	454	462	457	455	455	457	460	460	454	
25 Q	460	459	459	458	444	440	447	451	453	455	456	459	460	459	459	457	455	451	454	457	459	462	460	460	456	
26	460	458	462	458	458	447	440	443	451	455	456	456	457	455	452	447	447	447	449	452	456	455	459	460	453	
27	459	459	458	456	456	457	456	456	455	454	454	454	455	456	455	456	459	455	455	458	460	463	461	461	457	
28 Q	458	456	458	458	457	456	458	456	451	452	456	456	456	451	450	450	452	451	458	463	463	462	463	463	456	
29 D	465	460	459	463	464	450	444	456	460	459	459	460	459	454	453	456	453	444	456	470	590	659	645	637	486	
30 D	622	698	582	568	516	495	457	473	471	457	427	461	475	469	464	464	464	459	456	467	485	491	507	503	497	
31	492	452	463	456	425	455	464	471	474	469	470	469	465	464	463	461	471	482	474	482	478	495	526	493	471	
Mean	471	470	461	460	455	454	446	441	439	441	441	449	453	454	453	451	453	455	457	461	468	474	476	473	456	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt

March 1943

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	05 50	328	15 02	270	58	17 53	36.8	12 30	25.4	11.4	20 55	465	16 05	448	17
2	23 03	324	09 30	181	143	18 58	36.6	09 25	00.8	35.8	19 50	465	09 18	280	185
3	12 40	322	16 48	270	52	22 00	38.2	14 05	24.3	13.9	22 12	476	10 35	402	74
4	04 00	323	09 05	256	67	11 22	42.0	04 30	19.7	22.3	21 50	487	08 43	358	129
5	02 19	322	17 09	260	62	21 15	37.0	03 15	16.1	20.9	00 35	487	07 50	365	122
6	21 40	315	15 56	279	36	20 15	38.6	00 10	22.8	15.8	21 00	471	06 25	435	36
7	09 55	315	15 15	281	34	21 10	38.1	13 15	26.2	11.9	23 50	486	16 00	449	37
8	02 30	323	16 00	277	46	19 55	37.3	03 10	14.0	23.3	00 10	485	02 37	430	55
9	01 51	335	16 30	276	59	19 45	35.2	01 40	14.9	20.3	01 36	487	07 43	431	56
10 Q	22 25	322	15 35	288	34	19 30	38.1	13 30	23.8	14.3	23 28	466	15 25	439	27
11	20 29	378	19 20	285	93	19 30	38.6	01 50	18.8	19.8	22 29	483	19 21	426	57
12	10 00	329	15 50	253	76	15 55	39.8	02 50	13.1	26.7	00 58	478	04 25	417	61
13 Q	20 25	330	16 00	286	44	18 00	36.5	13 50	24.9	11.6	00 32	462	15 45	445	17
14	20 55	328	15 00	285	43	16 40	38.8	03 25	17.9	20.9	21 00	466	09 08	437	29
15 Q	20 52	326	16 10	293	33	17 59	38.0	13 35	25.9	12.1	21 00	465	10 35	452	13
16 D	10 15	336	06 50	258	78	09 48	60.6	06 40	13.8	46.8	23 59	501	10 10	287	214
17	12 37	325	00 01	258	67	11 35	38.0	00 06	14.0	24.0	00 05	500	11 38	435	65
18	21 20	332	15 57	285	47	18 25	39.5	10 35	26.5	13.0	21 25	461	09 00	417	44
19	20 23	378	16 08	272	106	21 08	41.3	10 50	23.5	17.8	21 25	473	07 45	425	48
20 D	09 05	341	18 25	252	89	08 30	49.7	10 25	20.4	29.3	19 05	485	08 40	314	171
21	21 23	344	15 58	273	71	18 05	44.7	10 25	23.1	21.6	20 02	468	06 25	417	51
22	20 00	359	15 05	261	98	19 31	40.6	22 15	16.8	23.8	22 13	579	11 35	443	136
23 D	21 06	349	01 45	206	143	06 52	51.6	02 08	-3.7	55.3	01 02	532	07 17	293	239
24	06 51	322	16 53	247	75	06 15	37.9	00 35	24.4	13.5	00 02	472	07 15	407	65
25 Q	11 10	325	16 25	279	46	18 40	37.2	04 45	24.7	12.5	00 15	462	04 35	430	32
26	22 55	336	15 50	277	59	18 02	40.1	01 15	26.1	14.0	22 50	463	07 00	434	29
27	20 33	338	16 15	273	65	20 10	38.1	13 50	25.5	12.6	20 33	467	13 45	453	14
28 Q	19 39	330	16 45	279	51	18 50	37.4	14 15	24.0	13.4	19 40	468	15 10	446	22
29 D	22 15	530	15 51	259	271	22 00	71.8	21 52	-28.7	100.5	21 45	914	06 15	435	479
30 D	01 00	533	04 27	210	323	00 55	54.5	04 30	09.9	44.6	01 00	749	10 55	404	345
31	22 21	332	15 35	256	76	19 40	41.3	01 05	16.8	24.5	22 58	562	04 10	411	151
Mean		346		264	82		41.7		17.6	24.1		506		409	97
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 1943

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	302	297	302	284	294	297	297	297	292	289	300	301	295	293	275	269	283	308	319	330	321	315	320	312	300
2	319	298	307	299	294	286	297	301	303	307	307	303	294	284	271	288	289	295	301	312	316	310	312	337	301
3 D	321	300	295	304	322	286	274	310	297	283	264	288	293	289	277	259	264	262	278	295	303	306	315	283	290
4	288	302	298	291	282	291	288	288	299	301	297	292	301	291	269	273	284	294	301	307	311	311	308	319	295
5	288	285	300	297	292	298	301	296	294	283	297	305	303	294	286	283	250	306	319	324	333	318	302	286	297
6 D	295	276	283	303	306	306	306	305	276	271	294	274	284	286	260	241	267	278	292	306	308	311	307	293	288
7	291	282	249	286	291	296	295	293	306	307	311	400	291	285	277	278	273	282	296	307	311	313	319	308	294
8	296	307	307	308	313	306	311	301	311	316	311	309	306	301	291	283	280	284	293	301	314	323	322	320	305
9 Q	318	318	316	316	316	317	317	319	319	321	320	319	314	307	302	298	300	303	309	321	330	332	327	321	316
10 D	314	318	321	321	320	287	265	232	235	246	250	262	265	286	285	285	281	287	300	307	317	314	321	347	288
11 D	267	239	205	166	167	111	-82	86	145	246	264	264	275	274	273	272	283	290	300	312	305	300	292	292	231
12	293	293	299	300	303	303	303	307	307	305	307	310	305	296	291	287	290	298	305	310	311	311	313	312	302
13 Q	308	307	306	306	305	308	310	313	318	317	317	316	308	300	293	281	295	304	312	319	323	326	320	318	309
14 Q	319	318	318	316	314	312	313	313	318	317	317	316	311	306	297	290	293	298	305	317	321	328	330	327	313
15	322	324	325	323	323	325	322	330	328	324	320	312	307	305	305	294	280	297	315	323	325	332	336	317	317
16	321	321	312	306	310	305	302	285	303	295	316	310	301	295	291	290	295	300	312	316	324	329	331	326	308
17	315	316	316	310	315	316	316	310	310	310	311	312	310	302	290	293	300	305	310	312	318	320	324	320	311
18	312	315	316	322	306	305	309	315	315	316	316	314	309	300	289	280	286	294	303	313	317	324	324	325	309
19	325	321	305	309	307	315	314	315	315	316	317	317	312	299	286	284	293	300	310	315	325	322	321	320	311
20	320	322	320	320	321	318	319	319	320	324	322	314	314	299	279	268	284	305	315	319	328	320	322	330	314
21	294	279	279	288	293	302	314	309	315	317	309	301	312	294	276	296	294	296	309	304	325	335	326	326	304
22	322	324	322	321	321	331	320	317	300	315	317	316	314	304	294	292	299	305	321	331	336	330	324	324	317
23 Q	322	322	321	319	318	318	321	322	320	321	319	319	313	301	289	283	290	303	315	318	339	335	331	329	317
24 Q	326	326	326	323	320	321	324	324	319	315	318	319	315	306	292	288	298	304	311	320	325	329	329	331	317
25	328	328	325	318	320	311	315	311	313	315	318	312	311	305	298	300	308	319	330	335	347	337	339	330	320
26 D	303	287	247	242	248	229	120	222	227	218	240	264	265	277	271	274	288	301	327	342	351	353	337	326	273
27	306	289	296	298	298	297	301	303	303	304	303	298	293	283	273	281	300	314	324	324	322	316	314	314	302
28	316	313	310	307	310	308	307	309	310	311	313	314	310	302	297	304	313	318	328	348	369	318	329	318	316
29	310	310	313	313	310	307	306	279	276	292	288	309	305	295	287	290	292	305	328	341	350	348	343	330	309
30	310	313	313	308	304	302	305	297	298	274	282	307	297	287	290	290	307	320	333	338	343	348	330	330	310
31																									
Mean	309	305	302	301	302	298	287	295	297	300	302	304	301	295	285	284	289	300	311	320	326	324	323	317	303

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7° W + . . . ' .

April 1943

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	34.0	29.8	22.5	33.0	28.0	34.7	31.8	29.8	28.9	30.6	28.6	29.1	29.2	29.8	33.7	41.1	44.6	43.2	42.4	40.7	38.7	35.1	32.4	29.7	33.4
2	31.0	25.3	31.3	29.5	28.9	31.6	41.5	31.2	30.9	29.6	28.3	27.7	27.8	29.7	34.3	37.2	39.1	39.5	39.5	37.7	36.4	33.7	32.2	30.7	32.7
3 D	31.7	11.3	27.1	30.4	29.2	31.8	39.1	30.7	27.9	27.6	36.1	32.2	27.6	26.1	26.7	31.9	35.0	38.1	38.1	37.2	34.5	32.4	31.8	21.8	30.7
4	28.3	27.4	26.8	22.2	25.9	26.3	27.4	31.0	29.2	27.2	28.2	29.5	25.0	23.4	30.2	34.3	37.7	37.7	38.6	34.0	32.6	32.9	32.4	31.9	30.0
5	33.7	29.8	12.2	27.6	28.9	30.7	30.7	31.1	28.6	21.9	26.0	26.7	25.5	26.8	30.7	32.2	35.7	44.9	38.8	38.0	35.0	33.2	28.3	31.3	30.3
6 D	29.9	27.7	20.9	29.3	30.8	30.4	29.8	29.8	33.7	45.0	33.1	40.6	37.7	28.6	28.2	35.9	35.5	37.4	36.9	35.8	34.6	33.1	29.5	27.0	32.5
7	28.6	24.7	7.4	21.1	29.3	29.8	30.4	33.6	33.1	28.6	26.5	26.4	28.7	29.2	26.8	29.5	32.5	34.2	36.1	37.1	35.5	33.6	31.5	30.4	29.3
8	26.3	29.7	28.3	29.5	31.0	30.3	31.6	33.2	35.8	31.3	30.2	28.8	27.5	27.1	27.2	29.3	30.8	33.6	36.1	36.3	36.1	34.6	32.9	31.2	31.2
9 Q	31.2	31.8	31.6	31.3	31.1	30.7	30.4	30.0	29.6	29.5	29.1	28.0	27.3	26.4	27.2	29.2	32.0	34.0	35.0	34.7	34.6	34.0	33.0	34.9	31.1
10 D	34.0	32.2	31.3	30.6	35.0	27.7	22.5	30.0	30.0	28.6	35.0	32.5	35.2	29.9	28.0	30.0	32.7	35.7	35.2	38.1	34.0	35.0	31.0	25.1	31.6
11 D	29.5	21.5	12.2	29.0	22.2	26.4	29.7	27.0	23.8	25.9	26.4	31.0	26.1	25.5	27.7	31.0	32.5	35.0	35.0	34.3	35.7	34.0	30.4	27.6	28.3
12	31.0	30.6	30.8	31.0	31.0	31.0	30.8	30.7	29.5	29.2	28.6	27.7	27.4	28.5	28.5	30.4	32.6	34.8	35.5	36.1	35.0	33.8	32.5	32.2	31.2
13 Q	31.2	30.4	30.7	29.5	30.0	30.1	30.4	31.3	30.4	28.8	28.2	27.0	25.6	25.3	26.8	29.7	33.1	35.0	35.5	35.0	33.8	32.8	31.5	31.2	30.5
14 Q	31.0	31.3	31.3	31.0	29.9	30.3	30.4	29.9	29.1	29.2	28.8	27.1	25.7	26.0	26.6	28.9	31.9	34.9	36.8	37.1	36.8	34.7	32.8	31.7	31.0
15	31.1	31.3	31.3	31.2	30.4	29.2	28.7	27.4	26.2	27.1	28.4	27.0	28.4	28.3	28.6	31.8	34.5	38.6	37.1	38.6	38.8	35.6	33.1	33.4	31.5
16	32.5	30.2	29.0	28.8	28.0	30.3	32.5	26.1	25.2	32.9	29.0	27.2	25.7	25.1	27.4	31.0	32.5	35.5	36.8	38.0	36.8	34.0	31.2	30.9	30.7
17	29.5	29.0	29.1	29.9	29.5	28.8	36.3	29.2	26.0	27.1	29.1	27.3	26.2	27.3	28.8	31.2	33.1	34.0	34.5	34.4	33.5	32.5	31.8	30.7	30.4
18	29.0	28.7	29.8	23.8	24.0	27.5	29.5	30.4	29.4	28.0	25.9	24.5	23.3	24.0	26.3	29.7	32.2	34.7	36.2	35.4	34.3	32.7	32.0	31.5	29.3
19	30.7	31.3	28.1	28.0	27.0	29.7	30.0	29.5	29.1	29.4	29.0	26.8	25.0	24.7	28.0	31.5	34.7	37.7	38.9	38.8	36.3	33.1	31.2	30.4	30.8
20	30.0	29.9	30.4	30.4	30.4	27.6	29.8	29.1	28.9	28.3	27.4	29.7	26.1	23.1	25.6	30.4	37.1	38.9	38.6	38.3	35.1	33.1	31.4	29.5	30.8
21	26.8	25.9	18.6	25.0	23.8	20.1	25.0	27.7	28.0	28.0	26.0	31.9	24.3	24.2	33.7	34.5	34.5	38.1	38.0	38.0	35.4	32.5	30.8	29.7	29.1
22	30.4	30.8	31.6	31.2	30.7	30.7	31.0	30.4	37.2	35.1	27.0	24.6	23.8	25.1	27.7	32.6	35.3	37.6	36.7	35.4	33.3	32.0	30.9	30.7	31.3
23 Q	31.0	30.9	31.0	31.0	30.9	30.6	30.4	30.1	29.7	29.0	27.2	25.5	24.3	24.6	26.6	30.4	34.0	36.3	37.2	37.1	35.5	34.0	32.5	31.9	31.0
24 Q	31.0	31.5	31.5	31.4	31.1	30.4	29.7	29.4	29.4	29.1	28.4	27.1	26.2	25.8	27.4	31.0	33.3	35.1	36.2	36.0	35.3	34.2	32.2	31.2	31.0
25	30.8	29.8	23.5	28.3	28.5	28.5	26.0	23.5	26.9	26.6	25.0	22.9	23.4	25.2	27.1	31.1	35.4	34.9	34.3	35.1	34.3	35.1	34.0	32.5	29.2
26 D	31.0	28.5	29.4	23.0	21.2	24.2	42.6	35.1	30.3	22.6	20.5	23.2	27.6	25.7	28.1	33.3	36.2	38.5	37.6	36.0	35.4	32.5	34.3	36.1	30.6
27	34.4	27.2	31.8	31.2	31.2	31.2	28.9	29.8	29.8	29.7	28.4	26.9	25.5	27.1	30.3	35.1	35.3	36.1	35.8	34.8	33.6	32.0	30.8	30.9	31.2
28	30.6	31.0	32.2	31.8	29.5	30.8	29.4	30.9	28.9	27.6	27.6	27.8	28.6	30.8	32.3	34.4	35.6	36.9	36.8	35.3	34.2	36.4	35.0	33.1	32.0
29	34.2	34.9	30.5	31.4	31.9	32.6	34.9	34.0	25.6	24.9	23.3	25.8	23.4	24.9	29.4	34.4	37.3	39.7	39.4	37.8	36.1	36.1	37.8	37.0	32.4
30	34.2	33.0	30.9	30.4	36.0	28.1	28.8	23.9	24.2	21.5	34.0	17.6	18.0	24.2	27.6	32.5	34.5	34.9	35.5	34.8	33.0	33.0	34.9	29.7	29.9
31																									
Mean	31.0	28.9	27.1	29.1	29.2	29.4	31.0	29.9	29.2	28.7	28.3	27.7	26.5	26.4	28.6	32.2	34.7	36.8	37.0	36.5	35.1	33.7	32.2	30.9	30.8

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

Table 15 Agincourt

$z = 56,000 \gamma +$

April 1943

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	476	471	437	454	430	408	436	450	449	440	441	451	452	460	457	458	456	461	474	485	476	471	475	476	456
2	469	468	470	463	461	449	417	429	454	463	466	464	458	462	463	469	462	457	462	468	471	472	470	477	461
3 D	484	500	468	521	504	451	441	444	465	457	439	437	451	457	466	471	482	493	496	483	474	474	484	495	472
4	492	471	457	429	452	453	457	457	460	463	459	464	469	465	459	462	453	459	464	475	468	468	471	481	463
5	498	517	477	458	472	470	460	437	425	416	446	462	459	457	451	445	453	471	461	465	465	472	508	500	464
6 D	492	484	482	472	469	465	465	462	424	359	388	381	387	424	443	458	456	458	463	468	473	478	492	488	451
7	494	489	474	461	470	472	469	456	451	455	463	464	454	452	458	459	456	455	461	472	476	474	470	471	466
8	470	466	461	462	456	456	452	431	433	446	450	461	459	458	456	453	457	459	460	465	466	468	465	465	458
9 Q	463	462	461	460	461	462	459	460	459	459	459	458	459	459	456	452	450	452	453	458	461	465	466	468	459
10 D	467	465	463	464	460	443	420	391	399	395	355	360	376	434	456	458	459	464	473	503	534	502	516	532	450
11 D	554	514	462	353	367	254	308	268	264	351	425	459	467	473	471	470	471	467	466	481	494	502	506	500	431
12	490	483	476	473	472	469	467	465	463	462	465	466	464	463	464	461	464	467	469	472	474	474	473	472	470
13 Q	471	471	467	467	469	467	466	467	465	466	466	465	463	463	461	459	464	461	466	467	466	469	467	467	466
14 Q	467	466	464	464	465	465	466	465	467	465	462	461	461	458	455	453	455	457	457	463	468	467	467	462	463
15	462	459	461	461	461	461	461	459	458	457	456	452	446	447	448	444	446	457	445	455	460	470	473	470	457
16	471	465	465	468	461	437	408	424	451	441	455	451	449	451	454	453	454	452	456	461	463	465	468	468	454
17	466	468	468	468	465	461	412	428	445	457	461	463	461	456	451	451	452	456	459	463	469	469	472	470	458
18	467	466	467	451	430	451	457	464	464	465	462	462	462	460	457	452	448	446	452	460	464	468	464	462	458
19	463	464	467	461	457	462	464	463	464	464	462	462	465	462	459	456	456	459	461	464	466	466	464	465	462
20	463	462	463	461	462	457	456	459	461	463	463	454	449	452	456	452	455	458	457	466	472	472	469	472	461
21	480	482	476	466	437	410	423	462	472	470	463	452	449	448	447	452	453	452	463	472	476	475	470	469	459
22	466	465	466	464	460	439	447	454	449	440	450	457	458	458	460	463	466	467	469	475	477	475	472	468	461
23 Q	465	464	463	463	463	462	463	462	463	463	463	462	461	460	459	457	462	463	469	470	470	469	469	467	464
24 Q	467	464	464	464	464	464	465	463	463	463	464	464	466	463	459	460	466	466	462	466	466	464	468	467	464
25	467	467	461	460	463	448	433	441	465	468	469	465	460	453	449	450	453	459	461	466	473	477	489	518	463
26 D	514	514	313	376	441	440	352	393	369	376	414	451	457	470	474	474	474	477	482	490	510	533	520	523	451
27	522	510	494	484	481	481	481	478	479	478	478	475	473	468	470	470	468	471	474	478	478	477	476	474	480
28	474	472	475	475	472	462	471	471	470	471	472	471	470	465	462	458	461	465	466	469	479	471	472	479	470
29	487	494	479	470	471	477	451	406	436	444	455	459	466	464	460	454	458	464	475	482	490	497	508	510	469
30	492	484	481	465	443	467	435	435	461	429	389	446	458	456	457	456	460	466	468	472	478	485	490	490	461
31																									
Mean	480	477	463	458	458	448	442	441	445	445	448	453	454	457	458	458	459	462	465	471	475	476	479	481	461

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt

April 1943

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 00	337	16 02	262	75	16 20	45.6	02 17	17.1	28.5	19 38	485	05 45	398	87
2	23 14	350	14 41	259	91	06 29	49.7	01 20	19.4	30.3	23 18	481	06 44	399	82
3 D	04 38	370	06 24	218	152	06 48	53.3	01 30	-18.7	72.0	01 20	626	06 44	324	302
4	23 05	334	14 40	260	74	19 02	40.4	03 05	12.7	27.7	00 01	495	03 43	416	79
5	20 40	338	16 33	217	121	17 03	49.5	02 34	-3.3	52.8	02 00	549	09 24	412	137
6 D	21 30	321	09 10	240	81	12 00	49.8	02 10	14.0	35.8	22 45	500	09 25	332	168
7	20 01	332	02 38	224	108	19 40	38.8	02 40	01.8	37.0	01 00	501	12 50	444	57
8	21 26	331	16 20	278	53	08 02	43.0	00 25	24.0	19.0	00 01	472	08 08	415	57
9 Q	21 58	342	15 35	293	49	23 25	35.9	13 05	25.7	10.2	23 15	471	17 00	449	22
10 D	22 33	343	07 19	217	126	10 48	45.2	07 10	19.8	25.4	20 27	550	10 20	326	224
11 D	19 32	321	06 40	-302	623	06 45	54.1	05 15	03.1	51.0	00 20	591	05 14	062	529
12	20 12	321	15 57	281	40	19 10	37.0	12 05	26.3	10.7	00 01	498	09 20	457	41
13 Q	22 25	330	15 35	279	51	17 57	36.5	12 50	24.9	11.6	00 30	472	08 28	459	13
14 Q	22 28	336	16 05	285	51	19 15	37.7	12 25	24.9	12.8	22 30	468	16 00	450	18
15	22 40	366	16 10	272	94	20 05	39.5	08 20	25.8	13.7	22 43	486	16 12	437	49
16	23 00	339	07 22	272	67	19 40	38.8	13 40	23.1	15.7	00 15	474	06 58	387	87
17	21 56	339	14 56	284	55	06 30	45.0	08 25	24.3	20.7	21 59	475	06 30	380	95
18	21 33	340	15 55	262	78	18 25	36.8	03 42	16.9	19.9	21 35	472	04 20	416	56
19	00 02	332	15 00	280	52	19 30	39.1	03 05	23.9	15.2	03 15	470	03 55	449	21
20	23 00	337	15 30	263	74	17 00	55.3	13 10	22.2	33.1	23 00	476	12 04	445	31
21	21 40	350	02 00	253	97	19 25	40.7	02 08	11.8	28.9	01 21	489	05 58	394	95
22	20 33	341	15 35	284	57	09 02	43.3	12 45	23.1	20.2	20 38	479	05 25	431	48
23 Q	20 15	340	15 25	282	58	18 55	38.0	12 40	24.0	14.0	20 20	472	14 15	456	16
24 Q	23 20	335	14 56	282	53	19 00	36.7	13 40	25.4	11.3	23 20	470	14 55	454	16
25	20 55	375	15 00	293	82	23 00	37.0	23 58	15.7	21.3	23 32	534	06 45	427	107
26 D	20 55	360	06 25	022	338	06 15	74.0	02 03	01.2	72.8	02 05	555	02 15	234	321
27	18 56	329	14 50	268	61	00 10	39.8	01 30	15.7	24.1	01 19	552	13 38	465	87
28	20 38	381	14 03	293	88	21 30	38.3	04 15	26.4	11.9	20 50	489	05 30	455	34
29	20 26	360	07 51	269	91	17 35	40.4	10 00	19.8	20.6	23 59	524	07 31	399	125
30	21 10	357	09 47	240	117	04 10	54.9	11 35	15.4	39.5	00 01	524	10 15	366	158
31															
Mean		343		238	105		43.8		16.9	26.9		503		398	105
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 1943

Day	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	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	317	317	320	289	292	155	227	203	215	217	211	283	288	258	241	253	269	303	343	374	362	390	358	308	283
2		298	277	277	287	299	309	303	302	271	261	298	289	282	272	267	270	297	298	304	320	330	328	316	310	294
3		317	307	305	307	310	304	307	307	306	308	302	297	287	279	272	272	277	302	307	323	329	325	327	304	303
4		319	318	319	309	296	310	307	311	311	311	309	303	296	286	281	278	283	296	319	329	342	317	314	317	308
5		319	317	314	312	314	314	314	311	312	324	320	308	317	312	309	309	304	315	331	337	339	337	332	328	319
6		309	312	319	321	321	321	322	322	324	326	323	319	316	303	287	291	301	317	329	337	338	337	333	327	319
7	Q	322	324	332	317	319	318	324	324	327	327	326	322	317	312	302	294	302	309	324	327	328	332	337	324	320
8	Q	323	322	320	323	326	328	328	326	327	329	331	327	317	312	307	310	312	323	333	338	334	333	331	328	324
9	Q	330	326	325	322	325	326	323	323	323	327	326	323	318	308	303	310	321	337	339	343	343	337	332	328	326
10		329	323	323	325	328	331	336	339	342	346	342	341	332	324	320	325	332	341	347	351	354	346	341	334	336
11		337	332	331	333	333	336	331	326	328	325	326	327	320	312	311	320	336	341	351	351	361	344	334	336	333
12		333	336	336	296	317	318	325	321	323	325	321	317	318	313	308	306	312	321	330	336	330	334	334	336	323
13		326	340	337	336	345	336	340	304	314	302	314	318	320	304	280	284	294	320	337	347	347	335	335	335	323
14		332	326	307	320	314	318	319	324	325	305	311	311	306	297	291	288	305	319	336	349	347	340	330	322	318
15	D	331	316	265	275	225	265	253	294	270	297	299	276	309	302	287	290	307	325	327	336	326	345	324	315	298
16		317	320	321	320	321	322	324	322	321	318	320	299	288	304	294	287	306	315	320	338	337	341	345	326	318
17		322	307	320	312	320	325	322	315	318	315	320	311	305	292	284	284	306	311	337	350	347	352	345	320	318
18	D	330	299	283	291	251	268	230	295	285	312	289	277	301	289	273	271	291	304	312	315	336	349	332	329	296
19		324	307	299	309	234	285	289	305	319	324	316	309	300	281	289	280	292	304	317	322	330	312	325	324	304
20		322	317	314	317	317	320	324	322	320	316	320	316	314	319	311	302	300	301	307	322	330	333	336	329	318
21	Q	314	309	310	316	319	323	324	324	325	325	324	321	315	305	299	292	300	313	322	335	342	342	335	334	319
22	Q	329	328	331	327	324	317	318	322	316	319	324	323	318	306	298	298	305	321	335	344	350	348	334	331	323
23		331	330	329	330	329	324	308	311	308	316	298	310	319	305	303	299	306	318	329	336	359	353	335	325	321
24	D	339	310	248	289	314	310	316	308	314	301	305	314	309	289	281	285	315	335	330	335	339	326	348	309	311
25		300	301	290	304	315	298	288	286	274	298	298	289	290	284	311	286	288	314	326	348	366	354	341	324	307
26		320	311	292	301	312	318	313	311	312	306	314	311	306	306	310	305	305	306	321	332	346	346	348	343	316
27		326	318	319	315	305	299	295	299	314	319	319	319	318	309	314	315	323	332	336	340	350	348	349	339	322
28	D	334	330	299	265	275	317	314	319	314	303	299	314	310	294	290	310	321	332	336	329	344	340	354	354	317
29		321	321	324	319	323	303	304	320	308	311	319	321	315	299	298	311	316	321	323	329	338	330	323	329	318
30		331	334	324	319	319	315	306	314	321	320	320	318	317	309	303	308	309	318	332	330	330	330	323	330	320
31		324	325	324	326	325	333	325	329	323	324	322	319	316	312	308	305	310	320	329	340	343	339	343	328	325
Mean		323	318	311	311	308	308	308	311	310	311	312	310	309	299	294	294	304	317	328	337	341	339	335	326	315

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt

D = 7° W + . . . '

May 1943

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	34.0	34.1	29.8	30.5	31.4	55.2	43.5	28.2	37.2	27.0	33.6	29.7	26.1	29.4	37.9	43.8	42.3	42.3	41.9	36.9	32.3	27.0	27.0	27.9	34.5
2	21.2	28.7	27.3	34.5	27.9	35.7	35.1	31.9	35.1	43.2	26.9	25.0	26.1	29.6	35.4	39.0	34.2	36.7	38.1	35.1	33.4	32.7	30.0	30.1	32.3
3	24.3	29.7	31.0	30.6	30.3	30.9	30.6	30.3	30.3	28.5	27.0	25.4	24.5	25.5	29.0	34.0	37.9	39.6	40.5	38.1	35.7	34.9	34.5	29.4	31.3
4	32.4	30.9	30.3	28.6	26.5	33.3	25.2	28.3	27.6	28.5	27.0	25.8	24.9	24.9	26.5	30.0	32.3	35.4	36.1	37.0	34.2	34.0	31.4	30.0	30.0
5	30.6	29.0	29.4	28.6	28.1	29.0	33.2	33.3	31.2	26.0	26.2	26.0	25.7	29.4	29.6	30.6	33.0	35.8	36.9	36.7	34.8	33.0	31.5	30.0	30.8
6	26.0	27.7	30.6	31.3	31.2	30.8	29.9	30.0	29.0	28.7	28.0	26.2	25.1	25.4	28.9	34.9	37.8	38.1	37.4	36.9	35.6	33.3	32.0	31.2	31.0
7 Q	31.5	31.4	29.0	26.1	27.8	30.2	32.0	30.3	30.6	28.9	27.6	25.8	25.4	25.6	28.1	31.8	34.9	36.1	36.4	35.3	33.6	32.3	31.6	31.1	30.6
8 Q	31.5	31.3	30.3	30.6	30.6	30.3	29.7	29.6	29.0	28.3	27.0	25.4	25.0	26.9	29.0	32.4	29.1	35.1	35.8	35.1	33.8	32.4	31.4	31.1	30.4
9 Q	30.6	30.6	30.6	30.0	29.0	28.7	28.5	29.7	28.1	27.2	25.4	25.0	23.9	25.7	28.0	32.1	35.5	36.4	36.3	35.2	33.3	32.0	31.4	31.9	30.2
10	31.2	31.2	31.7	30.9	30.3	29.9	29.0	28.0	27.0	26.3	26.3	26.0	23.2	26.5	28.3	32.6	33.0	32.7	34.5	34.3	33.3	31.6	31.0	31.0	30.0
11	31.4	31.3	31.0	30.4	29.5	28.4	27.3	26.6	26.9	27.2	25.7	24.8	24.0	24.3	25.0	28.0	30.6	34.6	34.5	33.6	31.9	32.9	31.4	30.2	29.2
12	30.8	29.6	29.1	13.4	21.9	27.2	29.6	38.9	30.7	25.6	23.9	23.9	25.4	27.5	29.0	32.0	34.8	36.1	36.1	36.1	35.7	34.1	33.0	32.0	29.9
13	31.7	30.5	30.2	30.4	28.6	27.1	27.7	25.3	29.3	30.2	31.1	27.2	26.0	26.2	30.6	34.4	36.5	33.9	35.3	33.5	32.0	32.6	29.3	30.6	30.4
14	31.4	29.8	17.9	23.1	27.9	29.3	30.3	29.8	29.6	32.5	30.2	26.2	25.2	24.9	28.0	33.3	36.6	38.4	37.1	35.1	33.1	31.7	31.1	29.3	30.1
15 D	17.5	27.0	29.8	23.6	26.5	22.8	39.1	26.6	23.4	29.3	29.5	36.6	32.0	30.6	33.5	36.1	36.1	34.8	35.7	34.4	34.0	30.9	31.9	32.0	30.6
16	31.6	31.6	31.0	30.9	30.6	30.2	29.3	28.1	27.5	25.8	28.5	31.0	29.8	29.3	28.4	30.4	33.2	36.1	36.9	36.1	34.1	30.4	30.0	31.1	31.0
17	29.3	25.3	28.4	29.2	29.6	29.7	31.8	25.0	28.1	33.3	25.9	22.8	22.9	25.4	29.8	34.6	39.2	41.3	39.2	35.7	34.5	25.7	30.0	26.6	30.1
18 D	8.0	24.0	43.2	20.4	22.9	20.2	26.0	31.1	35.1	28.1	29.3	36.7	29.9	24.1	28.6	31.6	36.6	37.9	37.0	37.3	33.9	30.4	21.8	29.6	29.3
19	29.8	25.4	27.4	26.7	16.9	18.3	28.4	39.0	33.0	26.1	24.4	23.9	25.3	30.2	31.4	30.8	34.4	35.9	35.1	34.7	33.2	32.9	31.9	30.4	29.4
20	29.3	28.0	30.8	30.4	31.0	30.3	30.6	30.3	30.1	29.3	28.4	28.0	28.5	26.1	27.0	30.0	33.4	35.9	37.1	36.6	35.0	33.2	31.0	29.5	30.9
21 Q	29.7	29.6	29.5	29.0	31.4	32.2	31.1	31.0	30.9	29.6	29.6	26.1	24.4	26.3	27.8	30.1	33.0	35.7	36.1	35.7	34.8	33.1	32.0	31.1	30.9
22 Q	31.1	31.2	31.1	31.1	31.1	29.6	30.7	28.0	27.8	27.5	26.0	24.8	24.0	25.3	27.5	31.1	33.9	36.3	37.2	38.1	36.6	33.7	31.4	30.3	30.7
23	30.8	31.1	31.0	30.2	29.9	24.8	26.2	26.6	29.0	27.0	27.1	31.1	23.9	22.7	25.0	27.9	31.6	34.7	36.7	38.0	36.0	36.8	37.5	34.8	30.4
24 D	30.8	31.4	16.6	25.9	27.8	29.3	28.9	30.4	29.3	26.0	28.1	23.3	20.9	21.7	27.0	31.7	34.3	33.1	34.4	36.3	33.5	32.3	31.8	26.6	28.8
25	30.7	22.9	21.1	28.7	26.0	24.2	26.3	38.4	26.6	23.8	23.1	22.9	25.4	31.8	32.6	29.6	33.0	35.5	38.0	38.4	36.3	34.5	33.1	33.3	29.9
26	29.7	30.9	26.9	27.9	29.3	27.9	27.5	28.1	28.4	26.9	25.7	23.9	24.8	24.6	26.9	30.0	31.4	34.5	35.4	37.1	35.1	35.1	36.1	34.3	30.0
27	25.0	29.6	30.9	31.3	25.1	21.9	22.3	26.3	27.2	27.7	26.2	24.8	22.4	23.4	26.0	28.0	30.9	32.3	33.2	34.1	34.9	35.7	29.8	34.1	28.5
28 D	30.5	25.8	20.9	25.1	29.6	27.1	27.1	26.0	35.4	36.6	36.7	31.1	25.9	26.0	29.5	34.5	33.1	33.4	34.1	36.1	35.3	33.9	27.7	25.0	30.3
29	30.4	30.6	30.2	32.0	29.3	31.3	31.8	27.3	29.8	33.3	28.4	25.2	25.4	28.0	30.3	33.0	34.4	35.6	35.9	36.6	33.7	33.0	32.3	31.4	31.2
30	30.9	29.3	24.8	27.2	28.4	27.5	31.1	31.1	28.1	26.9	25.3	23.4	23.1	24.7	27.8	30.1	33.2	33.9	34.8	36.6	34.5	32.7	31.5	29.0	29.4
31	30.0	30.2	30.3	30.2	30.2	29.6	30.5	31.9	30.5	27.9	25.3	23.9	23.2	21.8	25.0	32.3	36.1	36.1	36.4	36.7	35.8	33.9	32.7	32.2	30.5
Mean	28.8	29.3	28.8	28.3	28.2	29.0	30.0	29.9	29.7	28.8	27.5	26.5	25.2	26.2	28.9	32.3	34.4	36.0	36.4	36.1	34.3	32.7	31.2	30.5	30.4

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

Table 19 Agincourt

$Z = 56,000 \gamma +$

May 1943

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	487	483	459	393	385	266	212	274	338	274	362	434	437	450	462	470	490	512	541	579	553	565	548	563	439	
2	501	498	488	437	455	429	426	448	414	378	432	455	460	457	457	461	473	478	490	493	495	496	490	486	462	
3	480	473	473	473	470	472	473	473	472	471	469	465	465	469	466	465	470	477	478	482	491	491	511	520	477	
4	496	489	481	481	454	404	444	472	473	474	474	474	473	470	466	462	463	462	466	472	486	482	486	484	470	
5	477	478	476	471	471	472	461	437	443	464	472	468	462	462	450	444	445	458	468	477	481	481	479	476	466	
6	479	476	474	471	469	468	467	470	470	470	467	468	468	469	468	466	470	470	469	470	466	470	476	479	474	470
7 Q	469	471	458	445	456	463	466	464	467	468	468	469	468	468	466	470	470	469	470	466	470	473	473	474	474	467
8 Q	474	473	473	471	468	467	468	467	467	468	469	468	468	468	464	463	463	462	464	467	469	472	474	476	472	468
9 Q	472	472	471	470	469	468	468	468	468	463	467	470	468	467	462	463	463	468	469	470	472	474	475	475	474	469
10	473	471	470	470	469	469	470	469	469	468	467	462	459	462	464	466	461	463	468	472	472	475	474	468	468	
11	471	471	471	471	470	469	469	469	469	470	469	466	464	463	454	452	458	459	463	463	469	471	472	474	466	
12	475	475	472	461	441	465	469	435	446	463	468	468	468	465	462	450	452	452	454	464	466	465	465	469	461	
13	466	467	467	468	463	459	427	417	381	423	448	445	397	401	461	452	459	471	476	481	486	486	487	478	453	
14	471	471	466	442	452	463	469	468	464	450	445	448	460	463	462	457	459	459	469	475	474	476	478	482	463	
15 D	470	431	371	359	315	358	338	372	381	427	439	417	429	454	463	470	474	472	477	482	483	490	484	477	431	
16	476	473	472	472	472	472	469	470	471	472	460	433	436	449	455	458	464	473	479	489	500	487	481	489	470	
17	484	467	469	476	477	471	424	435	451	447	464	466	469	467	468	462	466	469	481	490	506	516	500	517	473	
18 D	496	471	345	442	363	357	312	431	449	452	440	406	431	459	459	471	474	477	483	483	492	506	516	489	446	
19	484	490	468	466	356	419	431	383	452	472	478	478	473	462	459	457	464	469	474	483	497	496	491	490	462	
20	485	480	478	476	473	468	467	469	471	471	470	471	467	468	467	464	464	468	471	476	481	483	484	484	473	
21 Q	482	478	477	470	471	467	460	461	466	468	464	462	466	467	465	461	459	465	469	471	475	473	472	471	468	
22 Q	470	470	470	469	471	470	467	460	467	473	474	468	465	463	466	469	466	466	468	470	474	477	474	473	469	
23	473	473	471	471	469	448	443	457	462	462	463	448	454	456	459	464	467	468	467	466	479	496	505	507	468	
24 D	525	538	441	489	497	484	481	472	455	470	479	484	479	474	477	471	470	475	490	509	541	538	538	560	494	
25	528	481	467	490	477	455	460	370	402	459	469	472	466	454	455	458	463	474	484	499	520	522	519	504	473	
26	493	472	484	479	479	470	466	474	478	477	479	479	474	467	467	460	462	467	470	471	485	494	501	511	478	
27	508	492	496	455	462	440	421	437	463	479	480	477	476	474	473	466	466	464	462	463	482	501	517	516	474	
28 D	513	473	443	406	369	372	381	429	436	423	427	443	460	463	461	464	467	467	474	478	484	483	495	493	450	
29	492	486	479	415	418	431	424	430	446	460	462	467	468	464	466	468	474	476	480	485	489	490	487	485	464	
30	480	480	469	472	473	462	434	427	456	468	472	473	471	466	459	460	462	458	462	466	470	476	479	483	466	
31	479	479	476	475	473	467	466	467	467	473	473	472	471	464	466	467	462	460	462	467	469	474	480	480	470	
Mean	485	476	464	458	449	443	437	441	449	454	460	460	460	461	463	462	465	469	474	480	487	490	491	491	465	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Agincourt

May 1943

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	21	51	406	05	54	063	343	06	00	68.7	23	45	04.8	63.9	23	11	627	06	13	146	481
2	20	11	335	09	10	211	124	09	38	46.0	00	03	-1.1	47.1	00	02	537	09	13	334	203
3	22	22	340	15	05	264	76	18	45	40.9	00	06	17.1	23.8	23	10	538	12	05	459	79
4	20	37	354	16	38	270	84	05	28	41.5	04	45	22.5	19.0	00	01	503	05	21	381	122
5	21	03	347	15	55	297	50	07	18	39.3	12	30	23.7	15.6	21	04	486	07	30	430	56
6	21	55	347	14	50	279	68	17	08	39.0	00	55	22.0	17.0	21	58	481	15	58	459	22
7 Q	22	30	339	15	50	292	47	18	25	37.0	03	25	23.0	14.0	22	55	476	03	38	436	40
8 Q	19	45	343	14	55	297	46	18	00	35.8	12	15	24.4	11.4	22	10	477	15	00	458	19
9 Q	19	40	346	15	05	300	46	17	10	36.5	12	10	22.9	13.6	22	20	478	15	05	461	17
10	20	13	364	15	00	312	52	18	40	35.5	12	15	22.7	12.8	22	05	475	13	17	455	20
11	20	15	369	15	15	308	61	18	00	35.7	12	35	23.3	12.4	23	30	481	15	50	448	33
12	20	05	347	03	33	283	64	07	42	44.0	03	40	04.0	40.0	03	20	478	07	50	413	65
13	21	05	355	14	33	259	96	16	34	41.5	07	50	22.9	18.6	22	25	494	08	26	364	130
14	21	03	360	15	20	275	85	17	45	39.3	02	50	06.5	32.8	23	45	491	10	55	432	59
15 D	22	00	365	04	58	190	175	03	01	52.0	02	26	06.4	45.6	22	00	500	02	38	304	196
16	20	36	379	12	20	275	104	17	50	41.1	09	25	24.7	16.4	20	40	517	11	45	421	96
17	19	15	373	14	25	273	100	17	55	43.8	23	59	02.0	41.8	21	00	535	06	50	384	151
18 D	21	35	369	06	26	182	187	02	45	68.8	00	06	01.1	67.7	00	01	532	06	24	258	274
19	20	00	341	04	38	204	137	07	23	47.5	05	07	04.3	43.2	20	41	503	04	51	310	193
20	22	15	340	16	22	297	43	19	02	37.8	01	05	23.3	14.5	00	36	488	06	00	463	25
21 Q	21	36	344	15	30	288	56	18	50	36.6	12	40	23.8	12.8	00	23	484	16	15	456	28
22 Q	21	50	355	14	35	293	62	19	30	38.4	12	50	23.8	14.6	21	55	480	07	30	457	23
23	20	32	368	16	06	285	83	22	08	41.1	06	00	22.0	19.1	22	25	512	06	05	431	81
24 D	22	20	356	02	22	207	149	19	47	39.1	02	04	-3.6	42.7	01	58	597	02	25	408	189
25	20	40	377	08	09	252	125	07	09	43.9	01	34	12.2	31.7	00	01	541	07	43	341	200
26	20	00	362	02	30	284	78	19	25	38.6	11	02	23.3	15.3	23	40	518	16	30	457	61
27	20	32	366	07	15	280	86	21	00	37.2	00	23	16.3	20.9	00	18	531	06	40	405	126
28 D	23	06	379	04	43	232	147	09	53	40.3	02	40	10.2	30.1	00	39	542	04	45	307	235
29	20	35	345	05	59	283	62	03	30	49.5	07	30	23.8	25.7	00	15	498	03	44	380	118
30	18	45	343	07	00	296	47	06	57	37.8	02	05	19.6	18.2	22	55	484	07	13	399	85
31	22	26	360	14	55	298	62	19	00	37.0	17	40	21.1	15.9	22	26	486	16	27	457	29
Mean			357			262	95			42.3			15.9	26.4			509			397	112
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 1943

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	329	336	338	339	334	338	336	333	333	333	336	330	325	320	317	317	333	344	361	363	354	323	331	333	335	
2	335	334	333	335	331	329	329	331	334	336	322	323	325	323	319	311	313	318	329	339	343	338	339	339	330	
3	337	333	330	333	331	330	330	329	333	329	328	330	325	328	324	317	320	335	348	354	354	353	351	348	335	
4 Q	331	333	335	335	335	336	334	334	338	337	338	333	324	320	316	313	318	327	333	341	343	339	335	338	332	
5	336	340	339	340	340	340	341	343	339	340	339	339	338	328	328	313	315	328	346	350	354	365	361	356	340	
6	341	330	323	336	329	333	339	328	317	328	338	339	330	318	308	298	306	323	338	341	340	341	335	334	329	
7	333	332	333	334	335	336	338	339	338	338	338	317	325	328	309	301	310	315	323	328	323	339	351	356	330	
8 D	328	328	328	346	325	295	279	284	287	312	289	317	324	299	293	298	298	302	335	343	343	354	326	334	315	
9 D	315	323	333	339	312	323	328	330	315	296	320	323	312	300	297	283	305	313	328	328	343	348	333	335	320	
10	335	333	333	334	323	307	318	293	325	297	311	326	318	313	304	278	300	324	330	341	343	346	348	320	321	
11	324	327	332	332	329	332	332	332	332	332	324	332	327	327	311	300	314	329	337	339	343	342	342	332	330	
12	330	329	328	324	328	333	322	306	323	337	318	313	319	309	304	303	311	322	332	350	354	353	336	332	326	
13	337	297	312	299	309	319	319	322	322	323	323	317	307	301	296	296	309	322	339	368	347	343	344	336	321	
14	327	319	316	318	313	313	301	312	319	311	296	313	312	307	296	298	297	316	334	342	343	337	332	327	317	
15	324	324	322	322	332	322	322	323	323	327	327	319	317	307	293	288	298	311	324	329	339	334	328	330	320	
16 Q	327	327	324	320	322	326	327	327	328	327	323	324	323	321	309	308	320	333	335	332	333	337	338	333	326	
17 Q	332	337	337	332	330	332	332	332	332	327	325	321	320	319	318	318	322	335	347	347	344	345	339	336	332	
18 Q	333	335	336	334	333	332	332	332	333	333	334	334	332	322	308	299	306	318	330	345	357	360	352	353	333	
19	347	345	347	350	345	339	340	338	344	339	337	323	323	332	316	310	313	338	360	370	369	343	340	374	341	
20	306	308	300	314	323	317	320	318	310	316	311	312	306	296	279	286	299	298	314	334	349	370	370	357	317	
21	330	321	322	313	316	322	329	328	316	302	301	308	312	304	299	291	307	323	337	337	348	343	351	342	321	
22	337	329	321	342	314	282	281	252	324	334	317	314	301	302	292	291	297	319	320	337	342	339	332	334	315	
23 D	331	329	331	334	322	336	321	317	316	324	328	311	306	306	307	292	282	319	351	362	369	353	377	367	329	
24 D	333	336	327	310	292	295	318	281	323	323	300	302	300	300	304	285	295	308	327	331	334	336	336	312		
25	321	310	313	321	326	321	323	318	326	310	292	308	311	312	312	302	303	328	338	337	337	336	346	326	320	
26	323	336	331	327	322	326	321	320	316	319	321	316	311	303	301	299	298	307	321	332	342	338	336	336	321	
27	322	323	327	327	327	332	332	328	323	331	326	323	323	319	316	310	318	333	342	346	354	353	327	336	329	
28 D	332	341	341	350	344	338	343	331	323	320	312	313	311	326	312	308	315	326	349	344	328	333	338	322	329	
29	317	321	316	334	333	308	314	316	315	323	326	323	318	312	310	307	309	313	320	326	334	334	337	337	321	
30 Q	333	336	336	338	337	337	336	331	328	330	329	329	326	316	316	320	321	323	332	336	340	346	341	334	332	
31																										
Mean	330	329	328	330	326	324	324	320	324	324	321	321	318	314	307	302	308	321	335	342	345	344	342	339	326	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt

D = 7° W + . . . '

June 1943

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	29.6	29.3	29.6	30.1	29.7	29.3	27.8	27.7	31.1	30.2	26.8	25.0	23.1	26.0	28.0	32.3	36.1	36.8	33.9	32.4	33.6	35.7	33.2	31.5	30.3		
2	31.7	31.1	31.0	30.0	28.7	28.7	28.0	27.2	26.8	29.6	33.0	31.1	26.5	26.6	25.4	30.0	34.7	36.1	34.8	33.0	33.0	32.2	31.1	30.2	30.4		
3	30.2	31.0	30.7	30.5	30.6	30.4	31.7	33.2	30.2	27.9	25.3	23.6	22.9	22.6	25.1	29.3	33.3	35.5	35.7	35.5	35.3	33.9	32.0	30.4	30.3		
4 Q	30.6	30.6	30.5	29.9	29.3	30.4	30.2	31.3	29.5	28.0	27.1	24.5	24.3	24.6	27.1	30.7	35.9	39.5	39.6	37.7	36.0	34.1	32.3	31.0	31.0		
5	30.0	29.9	30.0	30.0	28.8	28.7	29.2	29.2	29.1	27.9	25.9	21.8	20.2	20.5	21.1	24.5	28.8	31.6	35.0	36.8	36.1	34.4	33.0	31.1	28.9		
6	28.4	29.3	26.2	19.3	24.6	27.4	27.4	25.6	26.9	25.4	24.0	22.3	21.4	21.2	23.2	27.3	31.1	32.9	34.1	35.4	34.8	33.1	32.3	31.0	27.7		
7	31.1	30.4	30.1	30.0	29.6	29.3	28.6	28.5	28.2	26.9	24.8	28.7	28.4	25.7	25.0	28.9	30.3	32.3	35.9	37.1	36.3	34.1	33.2	27.5	30.0		
8 D	31.8	30.9	30.2	29.3	25.0	16.3	20.2	14.9	24.3	23.7	43.7	30.8	23.7	21.4	25.2	29.7	33.0	34.1	35.4	35.1	34.4	30.2	30.5	30.4	28.5		
9 D	24.8	27.5	29.5	35.7	41.3	28.2	29.5	28.6	37.7	43.0	35.4	26.5	21.5	22.2	27.0	30.2	33.9	36.1	34.7	35.5	33.7	31.7	31.1	31.7	31.5		
10	32.0	31.7	30.1	25.2	28.0	28.3	26.9	33.9	33.6	30.8	34.1	26.0	25.0	26.0	27.2	32.7	35.6	36.1	36.1	33.4	32.4	31.7	27.0	30.4	30.6		
11	31.6	31.5	31.1	30.8	30.2	30.2	29.3	29.9	32.1	29.3	29.3	26.6	24.9	25.3	25.3	31.1	34.5	31.8	33.9	32.0	31.3	30.0	30.5	31.3	30.1		
12	31.1	31.3	30.5	28.7	26.9	27.3	31.0	30.4	39.0	27.2	26.6	26.6	24.0	26.6	29.3	32.2	33.9	35.3	35.5	32.0	29.9	29.3	29.6	29.9	30.1		
13	27.8	10.5	23.6	27.0	28.6	30.4	29.8	28.7	28.7	26.9	24.1	22.9	22.9	24.4	26.9	31.8	35.0	36.8	35.6	33.8	32.2	31.3	27.8	28.0	28.1		
14	26.3	22.2	30.0	31.0	31.8	38.4	30.5	26.7	30.4	29.6	30.4	28.7	23.1	23.8	27.2	32.7	35.0	36.9	36.5	35.1	32.2	30.2	29.5	30.4	30.3		
15	30.9	31.0	31.4	31.8	36.1	31.1	31.5	32.5	32.0	30.0	26.6	25.9	24.8	23.1	25.0	28.4	31.0	33.0	33.9	34.8	33.7	32.7	30.8	29.3	30.5		
16 Q	29.3	29.5	29.0	28.4	29.3	30.1	30.2	30.3	29.9	29.3	25.7	23.9	23.8	23.5	26.3	31.4	34.6	36.6	35.0	34.0	33.0	32.2	31.0	30.2	29.9		
17 Q	30.4	30.4	30.4	30.3	30.3	30.0	29.6	29.2	28.6	27.8	26.7	25.0	25.4	27.1	28.6	32.7	34.5	35.1	35.7	34.1	33.6	33.0	31.5	31.1	30.5		
18 Q	30.9	30.5	30.6	31.2	30.9	29.6	28.4	29.3	30.9	29.5	24.8	22.7	21.9	23.2	26.9	32.2	35.4	36.8	36.8	36.2	35.0	32.1	30.8	30.0	30.2		
19	30.2	30.9	30.9	30.4	30.4	29.3	28.4	26.6	26.8	24.4	24.0	24.7	21.3	22.2	25.7	31.4	35.7	40.9	39.9	37.7	34.6	35.1	32.2	27.8	30.0		
20	20.2	20.2	20.2	38.0	30.9	34.6	28.6	28.2	27.2	31.8	23.5	23.1	19.0	19.7	23.3	30.4	34.0	37.5	37.8	38.1	35.3	33.6	24.5	31.2	28.8		
21	28.7	33.0	29.5	31.4	25.7	29.3	28.6	29.6	27.8	25.1	36.8	25.0	22.0	21.3	23.6	30.0	36.0	34.0	35.0	35.9	35.1	36.3	29.5	31.8	30.0		
22	31.4	31.0	27.9	17.9	25.9	29.6	26.9	36.6	32.7	26.3	23.7	22.1	24.1	25.9	27.2	30.9	33.9	33.8	33.1	34.5	34.0	33.0	31.9	32.2	29.4		
23 D	31.8	31.1	30.9	29.1	26.6	35.4	29.3	24.5	27.2	31.0	24.0	23.1	29.0	36.6	31.4	33.7	40.7	37.7	37.2	34.8	34.0	27.5	27.7	32.0	31.1		
24 D	32.0	30.6	31.9	23.9	15.9	35.9	23.9	41.2	33.7	30.0	30.4	29.0	27.8	24.8	25.0	25.7	29.3	30.9	33.9	35.1	35.1	33.9	32.6	29.1	30.0		
25	24.9	21.1	26.6	30.9	28.2	27.5	32.0	37.5	31.3	29.5	35.2	31.7	30.8	31.5	28.0	28.6	30.5	31.8	31.8	33.0	33.1	31.0	31.0	32.7	30.4		
26	32.0	30.5	30.2	28.9	26.2	31.4	30.8	31.1	32.4	29.6	28.1	26.8	25.8	27.5	29.2	31.8	33.4	35.9	37.2	36.2	35.1	33.7	31.5	30.5	31.0		
27	27.2	31.0	31.1	30.7	30.4	28.4	30.0	29.5	28.4	27.1	25.4	25.0	24.1	23.7	25.0	29.1	31.8	34.0	35.4	35.7	34.0	34.2	36.1	32.3	30.0		
28 D	33.2	30.9	30.0	27.5	30.0	23.1	26.0	29.8	31.4	29.0	25.0	23.2	26.8	25.2	26.3	31.1	32.0	33.9	33.0	34.0	30.9	32.2	30.4	30.2	29.4		
29	24.8	29.7	30.5	29.0	30.4	24.8	28.1	28.4	30.5	28.0	26.4	24.4	24.5	24.0	25.7	29.0	31.3	34.5	36.3	35.7	35.0	33.7	32.0	31.4	29.5		
30 Q	31.9	31.4	30.4	29.5	28.6	30.0	27.8	28.6	27.8	27.2	27.2	25.0	23.7	25.4	26.0	28.1	30.9	33.0	34.4	36.1	34.1	32.0	30.7	30.1	29.6		
31																											
Mean	29.5	29.0	29.4	29.2	29.0	29.4	28.7	29.6	30.2	28.7	28.1	25.5	24.2	24.7	26.2	30.2	33.5	35.0	35.4	35.0	33.9	32.6	30.9	30.5	29.9		

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

Table 23 Agincourt

$Z = 56,000 \gamma +$

June 1943

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	480	480	477	474	474	473	467	468	462	455	468	469	471	470	471	466	459	453	463	473	480	481	484	484	471	
2	480	479	476	476	474	473	474	474	475	470	452	444	446	453	460	461	466	462	457	464	470	474	477	478	467	
3	476	471	473	473	471	468	455	445	449	465	470	465	462	463	463	467	467	463	458	461	470	473	476	481	466	
4 Q	480	476	475	471	460	467	470	469	468	471	471	473	475	471	468	463	466	467	463	464	467	468	469	470	469	
5	474	472	471	469	468	468	468	469	469	471	471	470	469	469	468	464	456	459	465	465	471	479	482	488	470	
6	497	500	485	429	474	479	473	466	472	479	482	479	476	472	471	466	464	460	464	468	473	472	474	479	473	
7	476	474	474	474	474	472	472	471	471	474	474	465	453	458	459	462	464	467	471	477	477	488	494	511	473	
8 D	503	492	488	482	465	423	391	380	395	397	409	405	444	456	462	470	472	479	492	491	489	497	506	497	458	
9 D	506	491	481	393	363	436	446	453	441	367	400	444	467	468	473	479	475	474	479	485	491	490	489	485	457	
10	480	478	478	456	411	436	457	424	401	401	430	462	470	473	467	465	476	471	464	470	477	480	500	492	459	
11	480	476	476	475	472	472	469	470	464	459	446	432	432	447	452	463	462	466	467	472	476	483	486	480	466	
12	478	478	475	472	466	440	444	407	395	443	433	445	459	460	466	470	476	476	477	482	487	490	488	488	462	
13	486	486	461	470	469	448	470	477	478	477	479	472	467	470	470	473	479	479	479	490	494	491	490	488	477	
14	491	484	470	481	445	415	415	437	459	465	463	461	467	474	478	480	478	486	490	490	484	486	487	487	470	
15	484	482	479	476	463	473	476	478	477	481	480	476	476	472	469	473	474	477	477	478	483	483	478	480	477	
16 Q	482	481	478	476	477	477	477	478	477	476	477	479	477	472	474	479	474	473	464	467	464	475	478	477	476	476
17 Q	476	476	473	471	470	471	470	468	470	473	471	471	469	468	468	461	450	451	452	456	463	472	473	476	467	
18 Q	476	473	472	469	471	468	468	472	470	470	472	471	471	468	468	467	466	464	466	473	471	471	473	473	470	
19	472	468	467	467	467	469	469	468	469	468	469	463	463	463	461	461	463	457	457	459	466	471	478	507	468	
20	539	513	507	391	462	437	447	460	461	433	447	455	462	466	469	472	473	471	480	482	489	502	527	507	473	
21	508	514	473	455	461	480	473	442	438	451	430	442	444	457	464	472	469	480	497	496	492	499	503	487	472	
22	482	487	489	434	373	349	304	271	369	444	464	468	469	473	477	476	476	477	478	482	488	498	498	494	446	
23 D	491	490	434	433	458	422	423	456	452	450	462	458	456	447	459	456	459	469	484	500	523	534	523	513	468	
24 D	513	467	444	474	425	364	416	379	426	449	457	461	461	467	472	472	475	492	497	491	481	483	486	491	460	
25	494	487	487	453	463	471	452	435	452	455	451	448	448	455	463	467	468	470	475	485	488	491	490	485	468	
26	481	473	468	469	458	455	465	469	469	471	472	472	470	473	472	468	473	472	472	472	479	480	484	486	471	
27	483	478	476	477	475	467	461	455	458	467	470	472	469	464	465	459	457	452	451	454	471	478	482	490	468	
28 D	486	486	487	468	449	459	469	418	418	447	461	453	446	444	459	464	470	473	485	501	508	494	490	488	468	
29	491	481	479	461	420	438	454	461	468	476	476	474	470	467	467	465	467	470	471	474	474	478	477	477	468	
30 Q	474	474	472	470	468	460	460	466	467	472	473	468	469	469	464	461	461	461	461	468	471	475	478	475	468	
31																										
Mean	488	483	475	462	456	451	453	447	446	457	460	461	463	464	467	468	468	470	472	477	481	485	488	487	468	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt

June 1943

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum		Minimum		Range	Maximum		Minimum		Range	Maximum		Minimum		Range
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	19 38	378	15 00	314	64	21 43	37.8	12 30	23.2	14.6	23 00	492	17 20	451	41
2	20 43	351	17 04	309	42	17 16	36.8	14 15	23.7	13.1	00 01	484	11 55	440	44
3	22 30	359	16 05	315	44	18 05	36.3	13 00	21.1	15.2	23 59	481	07 58	441	40
4 Q	19 58	348	16 36	311	37	18 00	39.9	11 06	23.5	16.4	00 22	481	04 25	455	26
5	21 47	369	16 10	302	67	20 00	37.7	14 04	17.7	20.0	23 45	488	16 55	453	35
6	03 21	360	15 40	292	68	19 15	35.9	03 10	04.2	31.7	02 25	505	03 25	400	105
7	23 45	366	15 35	296	70	18 40	37.9	23 45	21.3	16.6	23 39	521	12 25	451	70
8 D	22 02	375	14 38	267	108	10 43	52.0	05 15	11.6	40.4	22 09	512	07 19	356	156
9 D	21 43	363	15 18	276	87	09 12	55.9	00 49	15.6	40.3	00 40	515	04 06	327	188
10	21 07	369	15 43	267	102	07 51	46.6	04 00	21.3	25.3	22 45	508	08 12	386	122
11	22 25	363	15 00	277	86	16 30	35.0	11 24	22.7	12.3	22 23	492	12 00	417	75
12	21 51	370	08 03	272	98	08 04	47.5	05 20	17.7	29.8	21 51	498	08 22	367	131
13	19 57	405	01 30	264	141	05 06	40.2	01 32	-4.4	44.6	01 29	507	05 08	425	82
14	20 30	350	05 00	283	67	05 07	45.9	01 30	13.4	32.5	01 05	503	05 22	400	103
15	20 45	345	15 15	285	60	04 25	37.8	13 20	22.7	15.1	20 50	487	04 35	457	30
16 Q	21 55	342	15 15	303	39	17 25	37.2	13 03	22.9	14.3	23 35	483	19 00	462	21
17 Q	19 45	353	15 20	316	37	18 00	36.4	12 09	24.7	11.7	00 05	480	16 35	447	33
18 Q	21 00	364	15 35	299	65	17 50	37.7	12 33	20.7	17.0	00 01	477	18 00	460	17
19	23 04	400	15 48	291	109	17 53	43.0	12 25	19.6	23.4	23 59	551	17 48	449	102
20	22 05	396	14 45	273	123	03 22	52.3	03 00	05.9	46.4	01 26	576	03 24	336	240
21	22 45	364	10 05	286	78	10 32	43.0	13 17	18.9	24.1	01 25	522	10 39	408	114
22	03 57	360	07 48	227	133	07 45	44.0	03 05	04.7	39.3	21 45	505	07 50	243	262
23 D	23 07	395	16 45	269	126	16 40	43.0	22 49	19.9	23.1	21 34	547	05 58	402	145
24 D	01 23	357	07 52	257	100	07 32	47.2	03 10	11.8	35.4	01 05	517	05 25	287	230
25	21 53	361	10 10	281	80	07 17	42.7	01 33	18.4	24.3	21 55	498	07 40	426	72
26	20 55	349	16 00	295	54	18 45	37.7	04 03	24.0	13.7	23 00	487	05 10	449	38
27	21 13	363	00 18	300	63	22 25	37.9	00 27	22.6	15.3	23 10	495	19 30	449	46
28 D	04 03	377	14 30	295	82	07 47	45.7	05 05	20.5	25.2	19 58	523	07 55	373	150
29	03 58	346	00 13	293	53	18 10	36.4	00 15	19.0	17.4	00 10	497	04 39	411	86
30 Q	21 25	348	14 15	314	34	19 20	36.1	12 33	22.7	13.4	22 45	479	06 00	450	29
31															
Mean		365		288	77		41.4		17.7	23.7		504		409	95
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 1943

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	334	338	339	324	320	323	333	333	328	329	332	333	327	318	308	304	312	328	338	348	354	353	348	341	331	
2	340	340	343	344	343	341	343	348	332	330	333	334	330	321	310	300	302	314	343	356	361	362	364	356	337	
3	343	352	359	344	325	291	276	263	284	317	322	315	309	302	296	291	291	303	312	322	330	328	330	333	314	
4 D	332	320	322	324	324	320	322	328	317	324	338	345	323	328	320	291	269	315	349	369	344	361	355	353	329	
5 D	327	329	299	315	323	284	300	312	283	284	313	312	313	296	283	279	308	307	343	323	359	360	339	317	313	
6 D	325	325	320	294	307	269	298	330	329	292	307	330	295	300	294	285	304	311	312	315	323	354	348	348	313	
7	331	313	323	320	323	325	320	325	328	325	318	318	320	312	303	296	306	321	325	324	342	313	320	336	320	
8 D	323	324	323	330	331	329	317	301	301	334	317	288	322	327	304	309	303	321	331	323	327	334	338	340	321	
9 D	335	329	329	314	312	318	337	277	260	311	302	294	316	317	288	275	284	280	303	317	342	349	342	337	311	
10	327	321	322	308	311	298	318	328	311	285	290	307	321	290	280	287	280	312	332	346	342	337	338	331	313	
11	327	326	319	314	311	312	289	277	242	301	329	327	317	291	302	293	284	291	312	328	340	359	347	330	311	
12	316	312	313	301	306	327	328	321	307	323	332	322	314	304	301	289	306	317	334	340	326	330	331	342	319	
13	314	314	314	325	329	327	319	331	332	326	317	321	314	304	283	284	307	332	358	353	358	363	347	337	325	
14 Q	327	331	329	329	329	328	329	328	326	324	327	326	314	306	297	303	311	322	337	343	339	342	339	337	326	
15	333	331	328	324	328	333	329	334	328	323	327	329	321	317	307	312	332	340	339	338	353	350	336	341	330	
16	322	311	306	329	317	323	321	321	323	325	327	322	317	314	311	317	307	322	338	335	338	345	339	339	324	
17	337	308	293	312	316	326	327	326	328	327	329	322	311	301	290	280	295	307	329	329	339	355	358	342	320	
18	332	335	327	322	328	334	323	323	316	314	322	316	306	276	280	265	287	322	367	350	354	339	344	327	321	
19	321	317	326	319	307	317	328	321	319	322	318	311	308	302	312	306	293	302	329	333	346	352	332	332	320	
20	326	338	338	324	326	322	323	328	317	322	323	320	322	312	304	301	298	297	311	322	327	344	347	350	323	
21	346	313	327	324	328	332	307	327	333	323	328	321	319	312	305	298	290	296	309	307	327	333	336	349	320	
22	286	278	294	293	324	317	319	340	322	311	321	325	311	300	293	285	298	301	309	332	353	365	358	337	316	
23	332	332	319	321	324	327	326	332	329	331	332	327	322	314	300	285	293	303	319	334	339	345	344	340	324	
24 Q	329	323	322	329	334	326	324	323	327	326	324	324	315	301	295	288	299	307	318	327	335	337	334	329	321	
25 Q	328	329	329	324	335	332	328	327	324	327	328	327	322	306	294	299	312	329	347	355	358	353	349	343	329	
26	347	347	342	340	343	343	342	339	338	334	335	329	324	313	301	307	313	329	340	327	324	333	347	342	332	
27	328	311	304	308	313	309	312	327	328	328	324	319	314	303	301	312	322	332	334	334	342	334	332	336	321	
28	339	342	337	337	337	335	328	337	334	330	335	327	319	310	306	311	316	319	323	329	329	337	337	334	329	
29 Q	337	331	324	321	324	326	327	327	327	323	322	317	306	295	286	295	312	333	343	347	348	343	342	337	325	
30	340	353	347	348	347	323	301	321	319	298	321	326	311	288	277	299	317	319	332	343	334	347	340	343	325	
31	319	314	317	320	330	326	318	319	319	319	288	308	314	306	294	301	306	319	326	317	331	326	328	336	317	
Mean	329	325	323	322	324	321	320	322	316	319	322	321	316	306	298	295	302	314	330	334	341	344	341	338	322	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

D = 7° W + . . . '

July 1943

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	29.5	30.1	30.5	26.9	27.9	28.1	33.0	29.0	29.1	27.1	24.7	23.3	23.1	22.9	24.4	28.4	33.1	35.4	37.3	35.9	34.5	32.3	31.2	31.2	29.5
2	31.3	31.0	30.9	30.5	30.0	29.1	26.9	29.0	25.9	23.5	21.8	20.9	21.1	22.2	25.0	29.1	32.3	35.1	36.8	35.4	33.9	33.0	32.3	32.3	29.1
3	34.0	33.3	31.8	28.2	23.8	21.6	15.8	21.2	29.6	27.7	24.1	21.0	19.9	22.0	23.4	27.0	30.8	35.0	36.9	38.2	36.1	35.1	33.6	31.0	28.4
4 D	30.3	28.5	29.0	29.1	29.7	28.7	32.3	26.6	27.0	26.3	20.5	16.4	20.9	20.5	22.7	25.8	36.9	44.0	38.5	38.2	40.9	31.9	31.7	28.7	29.4
5 D	29.0	24.9	16.2	25.0	27.0	31.2	43.5	26.3	35.4	41.2	30.8	27.6	21.5	20.7	24.9	29.4	32.4	37.6	36.7	36.0	37.3	34.9	32.4	31.8	30.6
6 D	31.0	26.3	10.8	19.4	24.1	42.1	32.9	25.7	29.1	34.6	50.5	31.0	33.0	32.1	26.8	27.3	28.5	30.1	33.7	35.8	35.9	32.2	28.3	28.5	30.4
7	30.0	23.0	27.6	29.4	27.7	27.3	26.4	27.4	31.0	33.0	34.6	29.1	25.0	22.3	21.4	25.8	30.5	32.1	33.8	34.9	34.1	35.1	33.0	32.3	29.4
8 D	24.6	26.3	29.4	27.6	28.7	28.5	26.0	37.8	38.5	26.5	27.6	38.3	34.9	30.6	27.6	30.9	32.9	34.2	32.5	33.5	36.0	34.6	33.0	31.9	31.3
9 D	30.6	29.6	24.4	26.6	27.9	32.9	22.8	29.6	42.4	30.0	34.1	31.4	28.5	22.6	22.8	27.0	30.0	32.3	32.6	37.8	35.8	31.4	32.3	31.2	30.3
10	31.8	29.2	19.6	25.1	26.9	32.0	39.6	35.1	35.1	41.2	38.8	35.8	27.0	28.1	32.8	35.4	36.9	36.4	34.0	33.3	32.8	32.0	31.1	32.4	32.6
11	32.4	30.5	30.3	27.0	30.6	33.7	34.1	32.0	36.7	24.9	23.0	20.3	21.9	26.9	26.9	29.4	34.6	36.0	36.0	35.1	35.0	31.8	30.6	25.0	30.1
12	27.8	30.4	27.2	21.5	29.6	36.9	29.2	29.4	34.7	39.6	26.4	24.9	24.5	25.4	26.4	30.3	34.0	35.1	33.2	31.9	33.8	32.9	33.6	31.0	30.4
13	27.2	20.3	28.3	35.1	30.5	28.5	38.5	32.1	29.6	27.3	30.5	27.6	25.5	25.5	28.2	35.8	38.9	41.2	38.1	35.9	34.0	30.5	31.1	32.0	31.3
14 Q	29.7	28.5	32.4	32.1	31.5	31.2	31.0	30.5	30.1	29.2	27.6	26.0	24.5	24.7	26.7	30.1	32.7	33.4	32.7	32.9	32.4	31.5	30.5	30.0	30.0
15	30.0	30.7	31.2	26.9	30.0	30.3	29.1	30.6	28.1	31.6	24.9	21.8	28.0	27.2	26.3	32.8	36.7	37.6	38.3	36.9	34.2	32.1	30.6	29.4	30.6
16	28.5	27.8	22.1	28.8	26.5	28.3	28.7	29.6	31.3	37.0	25.6	21.7	21.2	24.1	27.9	31.8	32.1	36.7	36.8	34.4	31.2	30.9	29.1	29.5	29.2
17	28.5	25.0	22.6	26.5	26.3	29.4	30.3	30.3	29.7	28.5	26.1	24.2	22.0	23.8	25.8	28.7	33.9	36.4	37.8	39.6	39.1	35.5	31.8	30.5	29.7
18	32.0	32.2	29.7	26.7	28.2	35.2	29.6	28.8	28.2	30.0	23.0	20.9	20.1	21.9	29.2	32.9	39.9	39.7	37.0	38.5	39.2	35.8	33.7	33.0	31.0
19	31.5	29.8	24.6	24.7	27.9	28.4	29.8	35.5	28.6	28.6	26.9	25.0	23.3	23.3	25.1	27.6	32.3	36.1	38.5	39.7	38.7	34.4	33.2	32.2	30.2
20	31.5	30.0	29.9	29.6	29.4	27.9	27.3	28.9	29.6	30.5	25.6	23.6	22.3	22.1	23.7	27.3	29.4	32.6	35.5	36.1	36.0	34.7	33.8	32.3	29.6
21	27.8	23.2	30.5	26.4	27.0	24.1	22.4	31.4	28.7	30.6	34.8	27.6	23.9	20.6	25.3	26.7	29.4	34.6	36.7	38.7	36.1	34.9	29.7	29.6	29.2
22	31.2	30.0	26.7	25.0	27.0	25.1	37.1	33.7	34.0	38.2	34.7	26.0	22.3	24.1	25.6	29.7	32.8	35.1	37.7	37.1	34.9	30.3	28.7	31.6	30.8
23	31.0	30.3	28.7	27.3	28.7	28.9	38.5	31.5	30.4	30.6	27.2	23.5	22.1	21.5	24.1	29.6	34.0	36.9	37.6	38.2	36.1	33.8	31.5	30.6	30.5
24 Q	31.1	31.4	30.3	30.3	27.8	29.0	30.1	32.3	31.0	28.8	26.0	24.1	23.0	23.0	25.6	29.0	32.0	34.7	36.4	35.5	33.7	31.9	30.6	30.6	30.0
25 Q	31.1	30.4	27.8	30.5	30.0	31.3	29.2	28.8	28.4	27.6	26.0	25.4	25.0	27.3	30.6	33.7	34.0	35.2	34.3	33.2	32.8	31.0	30.3	31.1	30.2
26	31.2	31.5	30.9	30.5	29.4	28.3	28.3	27.6	27.6	23.9	24.1	23.9	22.9	24.2	27.3	30.8	33.4	35.1	33.8	33.8	31.2	28.3	27.0	28.2	28.9
27	27.8	22.1	26.0	25.1	25.8	24.9	25.2	27.8	27.4	26.5	25.0	23.8	24.2	23.8	28.5	33.0	37.9	37.0	37.0	35.7	33.0	31.8	31.4	31.0	28.8
28	31.4	31.4	31.4	30.5	29.7	26.1	27.6	27.3	26.0	25.0	23.8	21.4	21.2	24.1	28.7	32.0	35.5	37.6	37.4	35.6	33.7	31.3	29.7	30.6	29.5
29 Q	31.5	31.3	24.1	29.6	31.5	30.4	29.6	28.6	27.6	26.9	25.0	22.8	21.9	22.9	28.4	33.8	36.7	37.1	35.1	32.9	30.6	29.6	29.6	30.9	29.5
30	32.0	31.4	31.5	31.0	29.4	21.9	22.9	26.3	23.3	30.5	15.5	16.9	15.8	21.6	27.8	37.0	37.5	36.8	38.3	37.6	35.4	31.4	30.9	30.5	28.9
31	31.2	28.7	29.7	29.0	30.5	30.5	28.5	25.3	26.0	23.0	26.2	27.9	23.1	25.1	28.7	33.3	36.7	38.3	36.7	35.5	31.5	29.7	30.4	30.0	29.8
Mean	30.3	28.7	27.3	27.8	28.4	29.4	29.9	29.6	30.3	30.0	27.6	25.0	23.7	24.1	26.4	30.4	33.8	36.0	36.1	36.0	34.9	32.5	31.2	30.7	30.0

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

Table 27 Agincourt

$z = 56,000 \gamma +$

July 1943

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	473	473	473	468	468	468	453	454	469	474	475	472	468	462	463	465	468	468	469	473	474	476	476	468	469	469
2	468	469	469	469	472	472	463	453	459	467	472	473	469	463	463	459	462	469	466	466	472	475	478	481	468	468
3	476	478	479	470	409	421	408	417	415	447	483	478	470	461	459	463	470	473	470	470	475	479	478	484	460	460
4 D	485	487	488	482	483	480	463	464	457	462	472	475	470	472	469	464	468	468	470	490	519	514	501	501	479	479
5 D	499	534	488	485	475	347	348	395	413	399	445	478	484	471	471	478	478	481	493	515	498	501	510	505	466	466
6 D	496	485	462	442	449	311	302	334	439	415	337	410	427	435	455	465	479	485	486	492	498	508	512	508	443	443
7	501	492	483	481	464	433	436	453	465	470	463	458	466	471	473	477	485	477	470	469	481	483	492	495	472	472
8 D	506	486	489	473	433	458	447	384	352	439	443	439	449	457	459	463	463	465	468	480	498	489	483	485	459	459
9 D	486	485	475	468	439	407	411	314	281	379	439	468	478	475	467	465	466	471	493	494	505	510	493	486	452	452
10	483	481	458	442	456	432	412	407	424	414	415	424	452	460	476	473	476	483	486	496	491	488	488	482	458	458
11	483	484	483	481	458	412	365	325	282	400	440	458	467	465	479	478	479	479	480	487	487	492	501	510	453	453
12	510	496	483	469	453	437	449	472	455	429	457	467	470	472	477	475	471	472	474	482	487	496	487	489	472	472
13	489	476	472	442	440	451	445	447	470	460	467	469	470	472	469	471	471	475	466	477	488	490	486	482	469	469
14 Q	481	474	476	474	473	471	472	472	476	477	477	476	474	471	471	472	473	477	475	479	481	485	479	476	476	476
15	474	472	472	471	472	474	470	468	455	461	451	455	460	467	476	482	482	478	479	490	499	507	512	511	477	477
16	508	499	470	448	470	472	469	471	470	460	459	468	471	470	472	466	465	465	472	486	499	503	505	497	476	476
17	489	487	482	479	474	475	474	475	476	479	481	480	478	474	470	463	469	471	477	478	483	490	502	516	480	480
18	500	491	490	484	482	450	429	466	477	467	472	468	468	464	466	460	475	481	490	497	507	506	498	494	478	478
19	487	483	465	435	460	467	441	429	460	476	480	478	477	466	466	471	460	466	471	478	487	500	500	494	471	471
20	489	474	459	476	477	471	462	465	463	468	477	476	473	468	466	466	465	467	469	471	478	485	481	483	472	472
21	491	478	481	475	471	454	438	425	450	455	449	453	461	463	455	446	438	444	450	454	461	465	470	470	458	458
22	494	493	475	457	462	474	437	444	456	435	443	461	471	478	484	486	492	492	490	493	497	506	504	494	476	476
23	489	484	488	484	484	477	454	459	474	480	484	484	482	482	481	484	485	484	484	485	486	492	494	493	482	482
24 Q	490	492	490	471	472	473	480	481	483	484	486	487	486	484	484	490	488	488	486	487	490	490	487	485	485	485
25 Q	485	484	481	480	478	473	477	482	483	484	485	486	486	487	490	482	474	474	478	484	484	483	481	479	481	481
26	477	480	478	479	474	473	479	476	475	475	480	476	473	474	475	476	477	479	480	482	489	490	490	493	479	479
27	496	484	480	480	482	478	479	486	484	484	483	479	478	475	470	467	467	461	466	477	484	486	488	486	479	479
28	481	482	479	479	472	466	463	467	473	476	479	474	474	472	479	480	483	486	483	489	490	490	491	489	479	479
29 Q	489	489	484	486	488	484	484	483	483	483	486	486	486	481	479	479	480	483	480	484	486	489	489	484	484	484
30	482	482	480	480	480	466	464	478	479	453	453	474	473	466	464	468	469	465	483	510	515	503	501	499	479	479
31	503	501	491	484	479	480	450	467	479	470	470	474	474	473	471	476	476	479	484	488	494	504	503	498	482	482
Mean	489	486	478	471	466	452	443	442	448	456	461	468	470	469	471	471	473	474	477	484	490	493	492	491	471	471

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt

July 1943

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	γ	h. m.	'	h. m.	'	'	h. m.	γ	h. m.	γ	γ
1 Q	21 00	358	15 15	302	56	18 33	37.7	13 30	22.7	15.0	22 20	478	06 50	444	34
2	22 35	372	16 25	298	74	18 02	36.9	11 25	20.0	16.9	23 38	484	07 45	445	39
3	03 00	366	06 58	246	120	19 40	38.7	06 45	09.4	29.3	23 45	488	04 45	374	114
4 D	19 18	427	16 20	263	164	17 30	45.3	12 05	08.0	37.3	20 40	529	08 50	450	79
5 D	21 05	389	09 00	230	159	06 28	51.2	01 52	24.7	75.9	01 55	711	05 35	253	458
6 D	21 04	376	10 05	231	145	10 10	69.2	02 27	-8.1	77.3	22 55	522	06 17	240	282
7	20 41	356	14 20	292	64	10 12	40.2	01 43	07.6	32.6	00 01	508	05 28	421	87
8 D	23 20	344	07 50	244	100	07 51	53.7	00 50	13.9	39.8	00 41	514	07 55	313	201
9 D	20 23	381	07 55	214	167	07 55	49.6	06 12	11.2	38.4	21 14	515	08 12	222	293
10	19 46	353	14 10	256	97	09 54	49.7	02 50	09.1	40.6	19 35	500	07 00	386	114
11	22 43	386	08 08	159	227	08 06	44.0	11 03	18.7	25.3	23 00	516	08 05	217	299
12	23 17	354	15 35	275	79	09 00	51.9	02 57	17.6	34.3	00 20	511	05 09	417	94
13	21 44	368	15 12	267	101	17 18	42.8	01 03	11.7	31.1	20 55	496	03 56	406	90
14 Q	19 10	347	14 25	295	52	00 22	33.9	01 00	22.1	11.8	00 42	489	01 30	468	21
15	20 41	359	15 00	299	60	18 20	40.1	10 51	19.9	20.2	22 01	516	10 20	447	69
16	21 58	353	02 42	296	57	09 24	38.8	02 58	13.7	25.1	22 20	510	03 10	422	88
17	22 25	368	15 43	276	92	20 05	41.0	02 03	15.3	25.7	23 25	520	15 45	458	62
18	18 45	389	15 28	254	135	05 53	45.6	12 43	14.5	31.1	20 25	517	05 55	385	132
19	21 15	368	16 25	287	81	19 51	40.8	03 00	16.7	24.1	21 50	506	07 00	405	101
20	23 41	353	17 05	291	62	19 17	37.3	12 53	21.2	16.1	00 33	491	02 09	449	42
21	23 55	362	16 50	278	84	19 15	40.0	01 15	16.8	23.2	00 33	505	07 10	406	99
22	22 13	381	15 38	267	114	06 45	41.9	02 17	18.8	23.1	02 15	514	06 45	417	97
23	20 00	353	15 40	281	72	06 35	42.1	13 57	21.3	20.8	22 15	497	06 45	443	54
24 Q	04 35	346	15 20	287	59	18 25	36.6	12 50	22.7	13.9	02 00	495	04 54	460	35
25 Q	22 00	374	14 20	291	83	17 30	36.0	12 35	24.3	11.7	14 14	491	05 30	470	21
26	15 00	357	14 50	299	58	18 06	36.5	12 36	22.0	14.5	23 50	496	05 10	462	34
27	20 46	350	14 35	293	57	16 19	38.4	01 31	12.4	26.0	01 25	508	01 40	456	52
28	21 45	345	14 30	306	39	17 53	38.3	12 02	20.3	18.0	21 45	496	06 00	451	45
29 Q	20 03	350	15 15	285	65	17 16	37.9	02 34	19.1	18.8	22 35	490	15 55	474	16
30	21 47	363	14 35	270	93	16 05	40.7	06 12	09.0	31.7	19 55	531	09 47	424	107
31	04 14	340	10 41	275	65	17 30	39.7	09 57	20.6	19.1	00 55	509	06 34	434	75
Mean		364		271	93		42.5		14.5	28.0		512		404	108
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 1943

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	322	317	334	327	333	322	317	317	323	326	316	302	293	297	287	292	294	297	333	346	351	339	342	333	319
2	327	324	327	324	306	287	293	326	325	321	319	307	297	275	261	257	284	308	317	337	340	353	329	325	311
3	307	327	301	312	311	316	302	317	311	307	327	327	311	291	301	302	303	316	319	320	326	345	341	324	315
4	316	317	327	301	301	317	326	301	309	293	303	313	296	284	280	299	316	328	331	350	362	359	350	329	317
5	316	328	295	308	308	322	285	296	311	306	324	324	312	304	293	288	286	309	316	324	329	327	326	320	311
6	313	317	309	306	316	311	312	311	286	313	318	312	304	301	307	297	288	298	287	296	303	331	335	333	308
7	339	327	333	332	327	324	319	330	327	169	275	301	311	313	309	313	327	324	327	333	339	342	339	332	317
8 D	333	337	340	333	348	301	322	336	327	312	298	285	282	267	218	175	196	278	386	421	441	461	319	365	320
9	311	248	260	199	177	264	280	283	267	296	301	293	281	275	259	273	283	296	311	323	324	319	318	311	281
10 Q	271	280	295	310	323	322	311	310	306	304	304	303	301	291	286	292	303	311	320	321	323	322	322	307	306
11 Q	309	312	312	315	322	317	317	316	312	306	309	308	301	291	290	292	301	311	322	327	337	329	319	326	312
12	328	316	311	317	326	322	321	311	309	309	317	317	311	302	298	293	312	339	350	358	363	354	339	340	323
13 D	311	337	333	340	330	324	285	299	215	241	270	250	255	257	283	279	268	301	313	335	384	365	329	324	301
14	325	308	314	323	320	317	314	321	311	296	295	290	280	291	288	301	300	312	334	337	341	344	347	322	314
15	312	311	324	313	319	317	317	306	312	314	310	308	306	293	282	280	316	322	311	318	341	338	342	322	314
16	319	321	333	323	310	301	295	296	322	317	288	278	307	301	283	292	295	297	328	336	342	332	338	324	312
17	312	299	318	306	322	305	200	296	302	313	302	299	301	286	277	270	291	304	334	347	324	342	332	328	305
18	322	311	317	323	312	322	331	304	277	234	203	282	291	295	284	275	270	298	307	321	322	324	322	318	299
19	312	314	317	318	327	317	309	301	303	250	270	241	248	253	271	276	300	302	312	319	335	337	342	327	300
20 D	329	330	298	311	329	288	272	312	303	306	260	283	298	283	280	290	301	306	309	331	325	342	345	322	306
21	323	293	290	316	286	276	303	319	312	302	311	306	290	277	291	301	297	306	314	321	327	322	324	323	305
22 Q	319	319	317	322	324	317	327	321	317	311	309	309	301	298	296	289	298	306	316	328	340	334	326	329	316
23 Q	327	324	319	311	317	316	319	319	318	321	324	321	306	302	296	309	322	327	332	339	347	334	347	335	322
24	313	309	327	322	316	319	267	321	310	311	317	311	308	302	301	295	303	327	337	338	339	327	313	323	315
25	327	311	292	334	301	306	306	317	311	311	317	316	307	296	288	273	304	316	331	331	345	335	335	319	314
26	311	321	329	311	319	296	232	262	260	322	317	309	309	295	284	270	285	295	311	316	326	328	324	320	302
27 Q	319	323	319	333	318	319	316	316	318	321	318	316	306	293	285	283	287	298	312	324	331	337	328	323	314
28	318	311	322	318	326	323	319	326	329	328	313	313	311	282	306	303	293	293	310	307	326	357	358	321	317
29	295	292	308	302	302	321	321	299	302	313	293	271	270	261	269	259	288	296	306	301	312	319	318	320	297
30 D	322	310	332	199	322	324	329	316	280	271	231	253	225	237	184	219	278	275	294	309	342	348	343	317	286
31 D	286	335	218						22	50	60	167	153	80	219	220	163	240	291	293	317	361	342	304	323
Mean	317	313	315	310	313	311	302	310	304	298	299	298	294	286	281	281	293	307	321	330	340	341	333	325	309

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt

D = 7° W + . . . '

August 1943

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	27.7	21.0	31.7	31.9	31.0	31.5	30.3	21.2	29.2	23.3	20.0	21.9	30.3	25.7	28.8	32.5	34.0	40.3	37.2	37.5	33.3	31.2	29.8	29.9	29.7
2	30.3	26.5	28.5	27.0	27.2	26.1	38.5	34.9	27.0	23.4	22.6	22.4	20.1	22.8	30.5	35.8	38.5	36.9	40.5	35.0	33.0	29.9	28.2	24.2	29.6
3	19.4	22.1	23.8	31.2	23.3	32.1	37.6	39.7	31.1	31.5	27.6	22.4	23.9	31.7	28.8	31.8	35.8	37.8	36.6	37.5	35.7	31.2	29.4	29.4	30.5
4	28.3	26.3	28.2	23.9	29.7	25.9	28.7	37.1	35.1	36.0	32.4	27.6	28.5	30.9	37.1	33.3	34.7	32.8	36.3	36.7	33.9	32.1	27.0	30.3	31.3
5	26.2	23.2	23.9	27.0	33.0	27.7	31.2	31.0	32.0	37.6	27.0	23.8	26.0	26.0	32.1	33.0	34.2	34.7	35.1	33.0	31.2	30.1	27.2	27.7	29.8
6	27.4	25.9	27.6	29.7	31.2	28.7	31.0	34.0	40.8	29.6	27.6	23.0	23.2	23.2	24.9	27.9	32.4	32.1	35.1	34.2	36.4	32.3	31.5	30.6	30.0
7	30.4	31.0	29.7	29.6	27.6	27.9	33.4	30.5	26.0	45.2	29.1	21.6	21.6	23.0	26.3	33.2	31.7	33.9	34.3	34.0	32.6	31.0	29.7	30.0	30.1
8 D	30.2	30.3	29.4	21.2	19.4	22.7	31.8	29.0	25.0	34.6	45.2	31.9	39.3	32.8	37.1	52.2	43.1	38.4	29.8	30.6	31.8	23.2	33.0	22.9	31.9
9	15.8	18.5	22.1	37.6	26.4	27.2	24.1	23.7	29.4	29.0	23.9	22.3	22.4	24.9	29.7	35.4	34.5	36.3	35.0	33.1	32.0	31.2	28.0	21.3	27.7
10 Q	26.0	26.0	28.6	27.0	25.7	33.7	34.1	31.2	30.0	30.6	28.6	26.4	25.9	26.4	29.2	33.4	34.1	34.8	34.2	33.8	33.2	31.9	31.0	29.7	30.2
11 Q	26.7	29.0	29.7	31.4	31.0	30.5	34.1	33.3	28.7	27.5	26.5	23.3	23.0	26.0	29.4	33.8	36.4	37.3	36.7	35.7	33.0	32.1	31.2	31.2	30.8
12	31.0	29.7	27.9	30.1	30.5	28.3	23.9	22.7	26.0	25.5	24.6	23.6	23.9	26.4	29.4	32.8	36.7	38.5	39.1	38.1	36.0	33.2	33.7	32.1	30.1
13 D	30.5	32.3	31.0	30.6	30.5	23.5	30.3	28.5	44.6	42.3	20.5	19.6	25.8	34.2	31.2	35.1	38.8	38.5	38.5	37.8	33.0	26.0	28.7	30.6	31.8
14	24.6	30.3	28.3	29.1	27.4	34.2	34.2	31.5	28.0	33.0	27.3	23.9	23.0	23.2	27.8	30.5	35.1	35.3	34.5	34.4	31.4	35.0	22.5	27.6	29.7
15	30.6	24.1	21.8	24.7	25.8	26.3	30.3	32.0	31.6	26.9	25.5	23.2	21.3	23.5	29.1	30.7	33.0	34.1	39.6	36.4	35.2	31.2	32.1	32.2	29.2
16	28.7	27.0	18.7	19.4	24.1	24.9	45.6	48.3	27.3	25.8	36.4	36.1	25.0	24.1	29.5	35.6	38.5	40.6	38.5	37.0	34.2	31.7	28.3	29.4	31.4
17	26.1	17.5	25.6	25.8	40.6	35.1	47.4	38.7	33.3	28.7	26.0	24.1	20.3	19.6	26.9	33.0	37.6	40.0	39.6	39.1	37.8	35.1	30.1	25.6	31.4
18	26.7	20.9	28.3	30.9	27.2	34.1	30.9	35.8	40.4	31.2	29.6	23.8	18.5	22.1	29.7	35.6	38.1	36.0	37.6	34.7	33.7	31.1	30.5	30.1	30.8
19	30.5	30.2	29.6	28.3	29.1	28.2	33.8	43.4	38.8	39.4	34.2	30.6	34.7	38.7	39.6	37.8	39.6	39.4	35.8	35.6	30.5	31.6	31.7	24.9	34.0
20 D	18.2	27.0	15.9	28.7	30.5	27.9	27.8	30.3	20.9	17.2	28.5	27.9	25.5	24.5	32.8	34.7	33.5	35.7	38.7	34.9	33.7	31.0	29.6	27.5	28.4
21	13.0	19.4	22.0	34.0	30.0	33.3	26.7	30.2	30.3	33.8	29.1	25.6	26.4	30.9	32.1	35.1	34.6	35.5	35.1	34.8	33.9	33.0	32.4	29.7	30.0
22 Q	27.2	31.0	29.6	30.1	29.6	29.7	30.2	30.1	29.4	28.3	28.2	26.7	26.0	25.7	26.0	29.7	33.2	34.9	35.7	36.1	34.2	33.2	33.1	32.3	30.4
23 Q	31.1	31.1	30.5	27.9	28.5	29.0	28.3	29.1	28.3	27.3	26.1	25.0	23.9	25.2	29.1	33.0	34.0	35.5	36.3	36.7	35.4	34.9	34.0	34.0	30.6
24	27.6	31.4	25.0	30.3	27.3	31.5	21.5	21.9	23.8	23.8	23.7	23.7	23.8	26.1	27.9	30.9	37.2	37.5	37.3	35.5	34.1	34.6	33.3	32.3	29.5
25	31.4	27.8	12.4	19.6	29.6	37.3	33.2	31.4	29.7	31.9	28.2	25.7	25.1	27.0	29.4	34.9	36.5	36.6	35.5	35.8	33.7	32.4	32.0	32.7	30.4
26	33.4	31.3	25.9	23.3	28.3	27.7	36.6	35.7	32.4	28.9	24.0	23.6	22.6	22.0	25.0	29.9	34.0	36.5	35.9	36.6	34.2	33.0	31.3	29.9	30.0
27 Q	30.6	30.1	30.2	32.0	29.5	29.7	30.6	29.8	29.5	29.0	27.3	24.7	22.9	24.0	25.9	30.2	33.2	36.8	38.3	37.1	34.0	31.9	30.0	28.8	30.2
28	30.7	29.5	30.2	31.9	27.9	32.4	30.6	29.5	25.2	22.5	24.0	28.8	26.8	33.1	39.8	41.5	40.1	42.6	40.7	39.4	37.0	31.3	24.3	23.4	31.8
29	28.0	22.4	28.6	24.3	32.2	31.0	31.9	39.3	41.0	27.6	27.7	33.0	37.9	40.7	32.7	38.6	38.5	39.1	37.9	37.1	32.2	31.3	28.9	26.8	32.9
30 D	29.8	27.2	3.1	23.1	33.8	16.9	23.4	28.0	47.1	42.2	47.4	40.2	44.1	47.6	47.5	52.2	43.9	39.7	37.7	36.8	29.5	21.1	21.3	7.7	33.0
31 D	15.2	7.9	1.9	18.8	61.3	64.1	50.4	29.5	43.1	35.9	51.6	65.9	64.1	33.0	34.3	57.7	45.9	36.8	36.8	35.2	18.9	28.8	30.7	26.8	37.2
Mean	26.9	26.1	24.8	27.7	30.0	30.5	32.3	32.0	31.8	30.6	29.0	27.2	27.3	27.9	30.9	35.5	36.5	36.9	36.8	35.8	33.2	31.2	29.8	28.1	30.8

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

Table 31 Agincourt

$z = 56,000 \gamma +$

August 1943

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	497	483	484	486	487	479	458	443	455	461	467	461	453	465	473	470	473	483	498	508	513	508	497	493	479	
2	489	484	463	469	466	411	331	418	464	484	484	483	482	474	476	470	477	481	490	500	503	505	503	515	472	
3	520	483	486	425	425	421	388	381	415	443	466	473	476	467	479	480	478	479	490	504	506	508	517	510	467	
4	504	491	483	469	428	470	470	423	431	425	428	457	461	467	463	469	471	479	500	510	515	509	512	494	472	
5	495	479	460	472	421	433	404	408	441	448	472	480	475	478	473	472	467	473	483	490	502	501	505	501	468	
6	497	483	482	473	463	473	468	452	407	433	448	460	466	470	469	477	482	485	491	519	512	511	499	491	475	
7	492	489	488	483	485	482	434	445	426	342	403	424	460	458	464	458	465	475	482	488	493	493	488	488	463	
8 D	487	485	489	478	424	456	429	444	465	447	347	390	357	419	447	463	504	543	634	696	706	708	568	626	501	
9	547	452	400	358	352	362	447	460	444	483	497	496	495	493	492	495	497	501	506	508	505	507	512	515	472	
10 Q	507	498	450	456	469	461	476	478	483	490	493	493	489	487	488	486	484	483	485	491	493	494	498	496	485	
11 Q	497	495	492	484	481	487	483	475	479	485	490	489	490	491	493	495	497	500	499	497	500	496	492	493	491	
12	496	496	497	495	495	487	476	460	481	489	493	489	488	483	484	483	483	487	486	483	486	491	489	507	488	
13 D	505	491	496	491	491	411	420	476	394	374	432	439	448	451	469	481	493	499	513	541	578	623	531	532	482	
14	497	512	502	487	481	472	453	472	468	463	448	460	467	473	481	481	483	487	483	498	513	511	544	515	487	
15	506	493	472	464	473	449	460	462	473	482	487	482	480	475	470	478	472	469	487	502	507	519	505	493	481	
16	495	489	463	445	453	453	372	383	454	480	450	431	448	469	473	473	475	478	485	493	501	505	512	506	466	
17	502	475	455	482	413	364	335	343	413	478	489	491	488	478	478	479	483	481	483	493	493	503	507	500	463	
18	496	485	489	450	415	413	442	443	393	326	391	435	438	457	470	474	478	496	486	499	499	496	491	492	456	
19	492	490	489	483	480	468	449	373	377	380	381	406	413	423	447	474	476	480	495	498	515	515	522	546	462	
20 D	587	520	472	406	427	433	356	419	437	435	410	433	452	460	471	483	485	482	486	490	495	506	512	518	466	
21	484	485	501	449	440	386	441	479	477	474	485	484	479	478	487	484	484	481	481	482	487	488	492	494	475	
22 Q	490	488	487	485	481	482	477	471	478	482	484	485	485	485	485	486	483	482	482	482	484	487	486	487	484	
23 Q	488	491	497	503	494	489	489	488	487	484	484	483	481	483	488	485	481	482	481	482	488	484	492	508	488	
24	520	526	490	482	490	360	380	474	488	490	492	488	484	484	482	480	486	487	490	487	483	488	491	492	479	
25	489	495	489	450	467	464	422	454	474	483	489	490	488	487	487	479	486	487	491	494	501	503	514	516	483	
26	511	495	480	464	460	450	343	355	366	464	481	483	486	480	480	476	480	481	483	485	485	491	491	487	489	465
27 Q	485	487	487	466	468	476	481	482	485	485	486	486	483	483	480	486	484	485	485	489	489	489	486	487	483	
28	486	487	487	491	486	480	488	491	491	481	474	466	441	444	428	456	473	481	493	499	509	558	580	582	490	
29	538	505	434	440	439	446	466	441	435	461	467	446	416	427	460	481	498	501	501	511	523	510	501	500	473	
30 D	496	500	479	246	379	457	483	483	416	391	351	357	339	413	451	482	485	498	509	521	583	604	649	632	467	
31 D	535	563	323	199	240	296	229	270	394	229	211	258	308	443	506	462	508	548	532	542	604	572	541	537	410	
Mean	504	493	472	449	448	441	427	437	445	444	448	455	455	466	474	477	483	489	496	506	514	521	514	515	474	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt

August 1943

Day	Horizontal Intensity						Declination						Vertical Intensity								
	Maximum 15,000 γ +			Minimum 15,000 γ +			Maximum 7° W +			Minimum 7° W +			Maximum 56,000 γ +			Minimum 56,000 γ +					
	h.	m.	γ	h.	m.	γ	γ	h.	m.	'	h.	m.	'	'	h.	m.	γ	h.	m.	γ	γ
1	20	07	370	12	12	278	92	17	41	44.9	01	15	16.7	28.2	20	05	518	07	10	437	81
2	21	23	375	15	31	226	149	06	55	63.1	12	21	19.8	43.3	23	45	518	06	53	289	229
3	22	11	373	00	48	271	102	07	10	50.5	00	56	-15.0	65.5	00	54	543	07	21	362	181
4	20	20	399	14	53	267	132	08	05	44.9	01	27	18.8	26.1	19	30	525	10	14	401	124
5	01	43	345	07	05	231	114	09	19	42.8	01	00	12.5	30.3	22	19	512	07	10	355	157
6	22	00	345	18	50	270	75	08	15	46.9	11	55	21.0	25.9	19	35	522	08	45	391	131
7	21	50	349	09	25	118	231	09	36	52.8	11	35	17.8	35.0	21	40	496	09	20	295	201
8 D	21	08	497	15	14	157	340	15	53	58.7	04	00	-14.3	73.0	23	57	789	12	20	320	469
9	00	13	352	03	52	-233	585	02	17	73.7	00	08	-25.2	98.9	00	01	762	03	35	-034	796
10 Q	02	03	342	14	18	286	56	02	09	37.8	01	55	13.0	24.8	00	10	509	03	20	438	71
11 Q	20	17	363	14	00	287	76	07	00	39.7	11	55	22.7	17.0	20	20	511	07	17	472	39
12	21	24	409	15	35	289	120	18	30	39.4	07	00	20.5	18.9	23	59	517	07	30	452	65
13 D	21	15	399	09	05	170	229	08	26	56.0	23	59	07.6	48.4	21	35	650	09	12	350	300
14	19	40	373	12	12	255	118	06	06	41.4	22	43	07.9	33.5	22	44	568	06	10	424	144
15	20	40	372	15	34	257	115	18	23	42.1	02	40	16.2	25.9	21	35	531	05	31	433	98
16	20	33	359	11	03	240	119	06	57	68.7	02	20	10.5	58.2	22	24	518	06	49	347	171
17	21	34	358	06	44	131	227	06	45	62.3	01	40	00.3	62.0	01	35	534	06	45	293	241
18	07	25	347	10	06	147	200	09	07	45.8	01	10	22.3	23.5	19	33	504	09	58	274	230
19	20	45	367	09	45	208	159	09	54	58.6	23	45	04.3	54.3	23	45	588	08	00	345	243
20 D	00	35	394	10	32	271	123	03	09	46.0	00	38	-13.4	59.4	00	34	703	06	13	331	372
21	20	45	339	05	04	220	119	05	05	43.8	00	50	01.2	42.6	00	01	509	05	24	364	145
22 Q	20	23	342	15	30	288	54	18	45	36.4	00	23	23.9	12.5	00	01	494	07	00	467	27
23 Q	20	35	378	14	08	275	103	18	00	36.9	12	50	22.4	14.5	23	56	531	12	35	475	56
24	01	10	378	06	20	214	164	05	36	51.9	06	40	16.7	35.2	02	03	534	05	40	319	215
25	03	32	355	15	33	267	88	06	07	46.7	02	48	-2.3	49.0	23	55	519	06	15	405	114
26	20	31	352	06	52	159	193	06	54	49.7	03	05	12.2	37.5	00	05	517	06	54	281	236
27 Q	03	15	347	15	40	279	68	18	50	38.6	12	25	22.5	16.1	21	09	492	03	30	452	40
28	22	35	393	13	25	252	141	15	08	51.6	22	01	-1.4	53.0	23	50	654	14	30	425	229
29	03	07	333	13	06	230	103	08	00	54.3	01	40	-0.2	54.5	00	25	557	02	49	383	174
30 D	23	23	455	03	47	-075	530	03	45	67.7	23	55	-43.3	111.0	23	20	742	03	38	066	676
31 D	01	47	373					03	58	95.0	02	23	-20.6	115.6	20	35	640	03	40	054	586
Mean			372			208	164			51.3			06.3	45.0			565			344	221
No. days			30			30	30			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 1943

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	301	302	311	301	290	281	302	260	268	268	275	260	276	287	283	267	267	304	323	323	317	317	301	292	
2	296	287	328	290	301	301	296	304	266	278	293	281	293	281	265	298	295	301	306	307	337	332	308	306	298	
3 D	297	301	305	299	308	257	219	241	246	239	282	219	275	257	270	289	288	291	312	311	333	347	325	319	285	
4	318	306	309	316	293	252	239	312	241	316	265	283	310	291	276	275	278	287	306	327	337	327	327	320	296	
5	313	297	291	303	290	282	291	321	311	307	314	291	309	306	289	280	273	306	309	311	334	334	322	318	304	
6	308	317	312	322	312	299	312	306	319	314	316	307	313	309	300	291	296	307	324	338	339	338	330	326	315	
7 Q	327	312	317	318	319	324	324	326	327	326	324	323	316	309	301	298	299	306	321	338	348	328	340	334	321	
8	332	324	322	319	322	322	327	322	312	313	322	319	311	307	299	304	309	311	297	331	357	327	326	316	319	
9	343	309	306	309	350	302	307	296	275	283	296	311	301	286	270	280	289	295	304	313	341	342	331	307	306	
10	288	308	303	283	308	314	318	314	299	270	263	290	300	286	271	268	276	299	317	334	329	336	316	323	301	
11	316	316	326	292	321	322	308	304	299	309	314	309	294	277	283	280	284	310	329	339	350	316	308	314	309	
12	324	306	328	326	321	320	312	317	312	279	285	294	302	297	293	289	295	301	306	314	324	324	317	319	308	
13	317	301	319	329	311	311	314	307	307	308	296	294	297	280	271	260	276	306	307	323	327	319	316	322	305	
14	279	310	315	336	327	308	309	314	316	307	314	309	285	282	278	279	289	301	318	311	317	318	328	304	306	
15	306	306	318	324	322	308	302	315	316	320	317	317	311	298	287	288	298	303	316	312	323	326	314	310	311	
16 Q	310	318	320	317	319	319	316	310	317	318	316	316	313	304	294	278	280	313	329	336	338	335	322	319	315	
17	325	317	314	317	317	312	306	316	323	323	322	312	306	291	285	280	289	304	319	324	318	328	308	318	311	
18 Q	320	323	317	316	323	317	322	320	319	319	322	317	311	301	292	292	294	300	316	325	332	333	304	298	314	
19	303	317	321	322	311	322	322	313	317	314	306	309	308	301	296	293	296	306	311	327	330	331	322	324	313	
20 Q	324	323	321	322	319	322	319	322	320	321	322	319	314	306	301	311	317	323	329	335	342	337	329	323	322	
21	320	317	312	322	327	315	305	317	322	315	294	280	315	310	288	295	304	317	326	318	318	332	324	325	313	
22	297	309	296	313	324	308	293	303	314	316	316	313	305	290	276	283	306	308	323	327	322	325	323	322	309	
23	314	312	319	338	320	320	319	309	304	308	312	307	299	292	289	289	294	312	323	332	326	318	310	312	311	
24 Q	317	328	320	323	322	320	322	325	325	325	323	318	318	312	307	307	312	320	327	332	330	326	328	333	322	
25	329	331	327	323	328	329	293	285	296	315	315	312	310	302	303	301	299	310	315	318	315	320	319	320	313	
26 D	320	324	318	322	322	268	268	233	279	287	320	336	323	284	255	333	314	308	308	312	307	282	292	305	301	
27	302	298	292	297	263	257	289	312	309	302	286	302	317	302	281	288	303	303	302	300	322	312	320	302	299	
28 D	294	288	273	245	270	211	280	287	245	227	275	281	261	283	292	281	292	285	297	310	310	287	296	304	278	
29 D	301	293	284	269	287	266	312	264	203	196	253	226	251	287	270	277	269	288	305	328	329	315	297	306	278	
30 D	301	315	256	276	279	203	286	292	282	287	285	203	308	306	294	277	293	308	285	306	311	273	311	288	285	
31																										
Mean	312	310	309	309	311	296	301	303	295	296	301	295	301	293	285	288	292	303	313	322	328	322	317	314	305	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt

D = 7° W + . . . ' .

September 1943

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	11.8	26.4	30.2	25.7	32.5	42.2	36.8	33.0	31.5	36.8	36.8	35.0	37.6	39.4	36.5	32.5	35.6	39.4	33.8	32.9	33.7	31.2	30.2	28.6	33.0	
2	26.1	27.9	22.2	27.0	35.2	30.4	32.2	35.0	40.8	38.6	26.2	36.1	31.5	36.3	39.3	35.0	35.2	36.1	35.9	37.5	33.3	32.2	25.2	26.0	32.6	
3 D	27.4	15.1	25.9	27.1	33.3	24.4	17.6	39.8	46.1	45.7	37.9	50.2	43.3	42.1	39.5	33.8	35.0	35.9	34.4	36.8	34.8	22.2	15.6	31.6	33.1	
4	30.6	28.7	27.4	27.0	28.8	24.0	42.9	24.0	41.6	30.6	37.3	34.3	26.4	27.5	33.1	36.1	38.8	40.6	37.4	32.9	33.4	33.4	31.4	30.5	32.4	
5	30.6	20.8	19.5	21.4	26.6	40.1	38.2	35.5	35.9	37.1	31.5	36.1	27.4	25.4	26.4	32.8	35.5	38.6	37.9	37.0	33.4	31.9	30.6	26.1	31.5	
6	25.9	27.7	29.3	29.8	27.0	33.3	26.5	30.2	29.3	30.6	28.8	30.7	25.8	24.2	26.0	29.9	32.5	35.0	35.5	34.2	32.0	31.5	30.6	31.0	29.9	
7 Q	30.6	27.5	30.7	29.8	33.1	35.0	29.8	31.1	29.5	28.8	27.7	26.0	24.2	23.8	26.1	29.5	33.0	37.1	39.2	37.6	35.9	34.0	32.9	33.0	31.0	
8	32.5	32.0	31.6	31.0	29.7	28.6	27.7	23.9	23.0	21.3	22.2	21.2	21.3	23.8	26.6	31.8	34.0	35.5	43.9	39.5	37.9	36.1	33.1	32.4	30.0	
9	15.8	22.9	32.0	29.3	30.8	28.8	28.0	28.6	30.2	36.8	35.9	21.6	20.6	21.9	28.0	32.4	34.7	37.9	37.9	38.2	34.5	16.5	25.0	28.2	29.0	
10	19.3	28.6	21.6	30.2	28.8	32.2	34.7	33.8	27.6	41.5	38.2	35.7	26.1	25.0	28.6	35.2	38.5	36.8	36.5	35.0	34.2	34.2	26.7	31.0	31.7	
11	31.6	13.8	16.8	27.0	33.3	34.7	28.0	28.9	33.8	27.0	25.6	25.0	25.3	29.5	32.0	33.5	36.1	38.6	35.6	33.3	31.4	32.9	32.9	28.9	29.8	
12	19.5	26.0	31.3	31.0	31.6	31.8	29.7	30.1	27.0	30.6	35.7	26.1	24.7	25.9	29.5	32.6	34.2	35.9	38.1	33.8	32.2	29.5	29.7	30.0	30.3	
13	31.3	27.0	32.0	31.3	30.4	30.7	32.4	27.3	27.9	26.6	33.1	35.2	30.6	30.7	34.3	38.8	41.0	40.4	40.6	34.0	33.1	31.6	31.5	30.9	32.6	
14	19.4	30.0	32.0	28.3	29.8	29.3	29.3	31.0	29.7	27.0	37.1	25.1	25.7	25.2	28.0	31.0	34.1	35.5	36.6	36.1	33.4	32.0	32.5	23.9	30.0	
15	27.7	30.5	29.5	31.9	33.3	28.8	37.1	32.1	30.4	28.3	30.2	27.4	26.6	27.7	29.9	31.6	34.5	37.8	37.0	35.9	32.0	32.0	25.1	25.1	31.0	
16 Q	29.1	31.1	31.1	31.0	30.0	30.3	29.5	27.9	27.9	26.8	27.8	27.0	26.0	26.5	29.4	34.2	38.9	37.0	36.0	35.4	33.7	31.6	31.5	29.8	30.8	
17	28.8	29.5	29.3	30.7	39.3	28.7	29.2	34.1	28.6	27.4	27.7	26.7	25.1	25.2	27.9	32.0	33.4	34.7	33.9	33.8	34.2	34.2	29.0	30.1	30.6	
18 Q	31.3	31.0	31.0	28.0	32.2	32.0	30.4	28.7	28.0	28.9	29.5	28.0	26.9	27.0	28.9	31.6	34.0	35.9	36.1	36.5	33.6	32.3	30.6	32.9	31.0	
19	29.2	27.4	29.7	31.5	29.7	38.3	29.5	28.0	28.4	28.4	32.4	30.2	27.0	27.3	28.0	31.0	33.7	35.4	35.9	35.1	34.1	32.5	32.3	32.1	31.1	
20 Q	31.8	31.0	30.3	30.0	27.9	29.1	29.8	29.5	28.6	28.5	28.3	27.6	26.1	26.7	30.1	30.9	31.5	32.0	33.3	33.2	33.2	33.3	34.0	32.8	30.4	
21	31.4	30.0	31.1	31.3	29.7	28.4	33.7	37.9	23.0	22.4	23.2	32.7	29.6	27.1	27.9	33.7	36.0	35.8	35.8	39.2	35.8	32.9	31.2	32.5	31.3	
22	21.9	18.6	26.9	30.2	33.0	31.1	31.8	33.5	30.6	27.8	27.6	27.4	25.8	29.0	33.6	37.6	35.6	36.0	32.3	31.5	32.3	31.0	30.6	30.0	30.2	
23	29.4	19.1	21.2	30.1	29.6	29.4	32.4	26.5	30.1	33.3	29.6	26.9	26.9	27.4	29.4	32.5	36.7	37.6	35.6	33.0	32.7	31.4	31.5	30.3	30.1	
24 Q	24.2	27.2	29.7	30.6	30.5	33.0	32.2	28.7	27.8	27.9	27.6	26.7	26.7	27.2	28.7	31.9	34.0	36.0	36.1	34.0	31.4	30.4	30.2	30.5	30.1	
25	31.4	30.6	31.1	30.3	29.6	28.8	35.1	26.6	19.4	26.3	28.4	30.0	30.5	31.3	33.0	33.8	36.8	35.8	34.9	33.0	31.3	31.0	31.3	31.6	30.9	
26 D	32.2	31.2	29.4	24.3	36.1	26.7	25.8	38.3	24.5	33.0	27.6	22.9	23.9	27.6	47.6	51.4	41.2	39.7	39.2	36.3	34.2	28.7	29.6	31.0	32.6	
27	29.0	9.5	20.2	21.9	30.0	24.1	39.3	28.4	26.8	27.8	37.7	36.3	28.4	27.7	33.8	34.8	36.8	36.3	37.5	34.0	34.6	29.0	29.3	30.4	30.1	
28 D	4.7	19.3	22.6	33.9	24.8	38.7	36.9	30.9	41.9	51.4	46.0	39.9	45.8	42.2	41.3	39.5	41.0	39.3	36.2	35.9	35.1	30.7	24.8	29.7	34.7	
29 D	25.4	24.7	20.9	24.0	18.7	25.0	30.0	32.0	41.1	48.2	49.2	58.2	51.6	43.7	36.9	43.5	44.6	42.1	42.0	35.5	31.7	31.6	15.0	26.5	35.1	
30 D	28.4	12.4	26.6	32.0	25.0	42.2	33.2	36.0	35.3	33.7	42.1	58.3	36.3	27.5	28.6	33.7	36.4	39.2	39.1	30.4	34.1	32.3	30.2	35.2	33.7	
31																										
Mean	26.3	25.3	27.5	29.0	30.4	31.4	31.7	31.0	31.0	32.0	32.3	32.2	29.1	29.1	31.7	34.3	36.1	37.1	36.9	35.1	33.6	31.2	29.2	30.1	31.4	

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

Table 35 Agincourt

$Z = 56,000 \gamma +$

September 1943

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	500	500	436	480	488	423	398	427	431	441	416	440	466	473	474	495	497	518	539	525	504	500	500	505	474
2	508	502	447	463	462	461	443	437	420	411	426	432	429	448	472	476	482	488	494	509	513	514	561	536	472
3 D	527	481	481	456	377	410	289	320	340	373	428	377	408	431	445	481	494	496	508	513	520	550	536	508	448
4	498	504	493	472	442	368	330	411	395	433	431	450	472	479	482	489	489	497	505	512	502	494	494	497	464
5	495	494	485	441	443	409	391	442	447	451	465	462	472	478	481	481	485	493	494	497	500	504	509	514	472
6	498	486	489	459	453	419	434	453	474	482	484	487	482	484	484	479	484	486	493	493	489	488	485	487	477
7 Q	488	488	490	485	483	464	468	462	463	476	483	485	484	480	478	479	478	475	475	483	491	486	487	485	480
8	486	491	493	497	493	491	482	474	477	479	483	482	480	475	474	471	472	474	502	513	525	526	525	527	491
9	510	471	495	494	437	461	488	478	435	442	455	476	480	482	481	483	488	492	493	495	505	541	520	535	485
10	537	446	448	451	472	464	446	463	464	414	396	414	455	473	477	484	494	491	491	497	491	502	514	501	470
11	500	480	460	451	420	461	476	483	459	474	485	480	477	475	484	483	484	484	488	490	497	501	511	503	480
12	482	491	443	465	483	484	484	477	473	454	450	461	478	471	477	478	478	488	500	508	496	496	490	489	479
13	494	492	414	417	461	431	448	473	477	472	455	425	448	457	467	470	480	489	497	500	495	490	486	492	468
14	493	490	490	471	462	476	480	479	475	456	431	437	463	477	476	473	476	479	486	493	502	496	493	501	477
15	496	492	485	469	464	470	454	463	476	477	477	479	479	479	477	477	476	479	485	489	489	491	497	491	480
16 Q	490	486	483	483	480	480	479	479	482	480	479	479	479	479	479	477	481	483	484	484	484	484	483	486	482
17	490	492	495	466	409	464	471	471	477	482	480	477	480	478	479	482	479	479	479	483	486	493	497	490	479
18 Q	483	480	479	478	473	475	476	476	476	478	478	479	480	480	479	480	478	482	484	488	488	495	507	519	483
19	502	484	471	471	471	453	455	473	476	475	471	465	475	476	479	475	475	475	475	476	478	481	481	481	475
20 Q	480	479	479	479	484	476	481	481	478	478	477	476	478	481	476	474	473	472	473	475	481	481	484	489	478
21	496	496	511	494	474	474	450	427	455	468	464	451	458	465	469	465	470	474	481	489	493	491	487	493	475
22	507	481	486	473	418	454	444	438	468	474	477	478	476	475	479	481	484	484	478	482	486	485	491	483	474
23	483	477	472	452	458	470	464	470	473	465	475	476	479	478	480	482	481	482	479	481	484	488	488	489	476
24 Q	476	470	474	480	477	473	467	470	477	475	474	475	474	474	473	471	473	475	479	479	480	480	479	480	475
25	475	474	476	476	476	463	415	405	454	471	474	474	470	474	471	474	474	475	476	479	482	483	480	481	469
26 D	479	480	478	463	453	441	392	399	436	440	461	463	451	457	459	461	469	479	484	487	500	516	498	497	464
27	495	470	452	446	447	431	454	473	468	456	420	438	459	462	462	473	475	477	496	509	502	501	493	508	469
28 D	475	476	437	340	378	342	398	422	371	349	422	426	441	449	456	468	484	491	501	504	504	511	515	498	444
29 D	496	488	448	398	432	449	472	413	301	277	283	290	361	416	449	479	485	501	524	556	522	516	520	501	441
30 D	497	477	434	368	356	320	373	415	415	441	421	408	441	456	468	478	482	480	491	519	521	575	537	511	454
31																									
Mean	495	485	472	459	451	446	440	449	447	449	451	452	463	469	473	478	481	485	492	497	497	502	502	500	472

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt

September 1943

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	00 33	345	08 53	229	116	05 53	53.2	00 08	-09.4	62.6	00 10	590	05 59	372	218
2	20 43	369	14 14	234	135	08 43	44.8	02 14	-02.4	47.2	22 36	587	08 56	390	197
3 D	21 52	368	06 54	152	216	11 43	54.3	22 20	-13.1	67.4	21 35	564	07 51	260	304
4	20 00	350	08 30	198	152	06 18	55.9	02 56	14.7	41.2	19 36	515	06 02	372	143
5	20 44	367	05 47	254	113	05 48	44.6	02 00	09.7	34.9	22 59	521	06 10	378	143
6	19 59	345	07 10	283	62	17 50	36.8	00 52	14.2	22.6	00 05	504	05 34	400	104
7 Q	20 40	360	16 21	292	68	18 01	39.5	13 23	22.4	17.1	20 41	495	08 12	455	40
8	20 08	389	18 13	277	112	18 45	48.2	11 47	19.5	28.7	22 05	539	07 26	467	72
9	00 35	<u>411</u>	08 58	236	175	04 43	43.2	00 28	-03.1	46.3	00 29	<u>679</u>	09 00	393	286
10	00 53	359	10 28	236	123	01 21	49.3	00 50	-16.7	66.0	00 55	<u>616</u>	02 56	346	270
11	20 58	373	16 17	267	106	04 29	40.1	01 40	06.8	33.3	22 13	521	04 30	393	128
12	00 24	345	09 49	254	91	10 10	56.3	00 13	12.3	44.0	19 28	510	10 30	432	78
13	03 05	368	16 10	247	121	05 34	45.9	02 22	16.8	29.1	19 19	504	02 52	350	154
14	03 28	353	13 07	256	97	10 35	40.3	23 45	13.4	26.9	23 43	513	11 05	417	96
15	21 01	336	14 55	276	60	06 49	39.5	22 52	16.9	22.6	22 40	505	06 25	446	59
16 Q	20 03	347	15 55	267	80	16 18	39.8	13 18	24.3	15.5	00 18	494	07 00	473	<u>21</u>
17	21 55	337	15 30	277	60	04 18	42.4	03 05	22.1	20.3	22 41	503	04 31	398	105
18 Q	21 20	353	15 50	291	62	19 09	37.7	03 35	24.9	12.8	23 26	524	04 55	463	61
19	21 30	340	00 27	292	48	05 33	44.2	01 45	22.4	21.8	00 01	512	06 00	441	71
20 Q	20 42	352	14 20	291	61	22 25	34.0	12 40	25.3	<u>08.7</u>	23 57	493	17 40	469	24
21	23 10	343	11 22	260	83	07 22	43.0	09 58	20.0	23.0	02 33	518	07 23	400	118
22	04 15	360	15 10	253	107	04 40	43.5	00 55	05.1	38.4	00 47	524	04 38	404	120
23	03 30	356	15 50	288	68	16 52	38.5	01 34	13.6	24.9	22 15	490	03 35	440	50
24 Q	23 03	337	14 48	303	<u>34</u>	17 50	36.9	00 40	17.8	19.1	20 45	486	06 13	463	23
25	05 15	338	06 45	264	<u>74</u>	06 45	45.8	08 18	16.5	29.3	21 14	486	06 57	354	132
26 D	15 20	348	17 18	182	166	15 20	55.8	06 52	13.0	42.8	21 30	525	09 19	363	162
27	20 08	357	05 50	235	122	06 13	46.7	01 04	-02.4	49.1	23 58	521	10 50	398	123
28 D	03 49	332	03 17	<u>056</u>	<u>276</u>	05 55	68.2	00 19	-23.9	<u>92.1</u>	22 04	536	03 25	239	297
29 D	19 35	346	08 52	140	<u>206</u>	11 55	63.0	03 27	-04.2	<u>67.2</u>	19 32	573	11 04	<u>232</u>	341
30 D	03 37	354	11 38	153	201	11 40	<u>75.8</u>	01 30	05.8	70.0	21 20	600	05 39	250	<u>350</u>
31															
Mean		354		241	113		46.9		09.4	37.5		532		389	143
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 1943

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	295	320	307	302	313	292	308	319	290	292	286	301	282	262	227	268	287	291	297	303	296	312	311	292	294	
2 D	275	277	296	308	305	309	319	308	311	298	291	307	302	260	267	275	261	267	270	309	304	307	320	305	294	
3 D	300	287	288	301	300	307	284	268	273	228	269	311	308	289	267	268	252	275	294	308	324	300	300	293	287	
4	299	298	301	303	310	294	308	316	318	281	300	311	302	276	282	272	270	291	304	314	318	313	307	311	300	
5	311	318	317	310	306	304	311	313	314	314	315	316	310	306	299	293	297	305	306	299	313	319	318	313	309	
6 Q	311	311	308	311	312	313	314	314	315	318	324	328	321	312	304	298	297	303	310	318	322	322	321	323	314	
7	324	304	305	311	317	319	320	320	324	327	325	321	312	284	295	309	309	309	320	324	329	327	332	305	315	
8	306	309	312	310	304	305	305	309	309	312	321	283	314	319	304	294	282	309	319	329	324	324	303	305	309	
9 D	299	299	305	299	273	299	238	200	217	237	304	305	302	289	282	283	267	294	314	329	322	309	310	314	287	
10	314	316	315	316	320	305	298	303	309	316	311	306	299	283	283	269	263	294	310	314	314	314	314	307	304	
11	308	306	310	310	309	309	306	299	302	299	302	296	290	297	295	292	297	307	316	317	313	316	320	310	305	
12	309	305	312	304	304	278	293	306	301	303	312	307	299	293	288	293	299	309	314	320	316	316	299	304	304	
13	312	318	314	308	310	311	313	314	315	317	317	314	310	285	285	285	285	296	305	318	322	317	323	320	309	
14 Q	314	319	319	314	314	314	314	313	315	318	322	319	316	312	308	306	310	316	320	325	329	330	329	328	318	
15 Q	324	323	320	320	322	321	320	321	324	324	325	327	322	316	305	295	294	304	316	326	328	328	325	325	319	
16 Q	320	321	321	324	324	325	326	326	324	324	323	322	314	309	305	305	309	314	322	326	330	324	325	330	321	
17	330	324	326	324	309	304	305	315	291	301	319	308	309	317	306	296	288	291	296	310	316	310	314	320	310	
18 Q	319	315	312	314	314	314	315	313	313	317	318	316	311	302	297	294	298	302	308	318	324	319	314	310	312	
19	305	312	315	321	322	314	312	319	314	308	315	315	309	304	306	307	309	314	319	320	324	322	323	327	315	
20	324	325	324	320	316	314	315	319	319	321	321	322	319	312	301	298	304	302	293	312	324	323	305	314	314	
21	274	282	301	311	307	308	315	315	315	314	314	311	308	301	299	303	303	310	316	321	316	320	317	320	308	
22	316	315	310	310	312	307	318	321	313	317	313	300	324	321	308	284	278	290	301	310	316	296	305	301	308	
23	276	263	269	277	287	294	300	301	305	312	315	315	312	299	288	297	305	310	315	316	317	315	310	315	300	
24	307	287	291	297	308	303	310	302	310	266	280	336	317	303	284	284	280	286	295	296	296	300	291	284	296	
25	281	281	279	260	271	297	291	274	294	284	297	298	279	294	295	293	287	280	277	284	291	284	306	306	287	
26 D	287	275	274	251	282	216	83	271	163	284	293	276	291	244	255	280	275	269	280	279	294	292	299	304	263	
27	290	293	305	299	284	307	284	288	298	298	290	302	306	301	291	280	279	295	286	300	303	274	292	289	293	
28	277	284	292	258	253	228	248	286	285	281	299	298	295	281	269	260	292	286	286	294	303	289	289	302	280	
29	288	293	300	310	307	297	289	295	297	300	320	289	280	298	269	270	264	280	282	282	300	292	297	307	292	
30	310	295	280	303	299	286	299	295	310	304	303	306	284	245	309	308	290	290	280	295	301	301	297	317	296	
31	321	317	296	329	266	282	277	291	296	298	301	267	296	307	298	292	290	280	280	287	290	298	299	298	294	
Mean	304	303	304	304	303	299	295	302	299	301	308	307	305	294	289	289	288	295	302	310	313	310	310	309	302	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt

D = 7° W +'

October 1943

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	21.4	26.0	30.2	29.2	41.0	27.9	39.6	30.9	27.5	38.1	40.2	33.7	31.9	34.7	45.4	43.0	41.4	38.2	36.6	34.5	31.4	30.9	30.4	3.6	32.8	
2 D	13.4	17.7	26.4	30.8	31.1	29.1	33.1	28.1	25.6	30.5	39.1	32.6	29.6	39.3	38.9	38.0	35.5	37.7	34.6	34.8	35.0	32.7	31.5	30.2	31.5	
3 D	24.3	21.4	22.2	25.5	34.9	31.8	31.8	43.1	32.8	32.9	41.3	31.5	28.2	27.7	32.0	33.1	36.6	36.4	38.4	34.1	31.4	26.8	26.4	16.6	30.8	
4	33.1	32.6	17.0	30.4	32.0	40.0	36.3	27.7	27.8	37.7	40.9	33.1	33.8	35.0	30.5	33.6	35.7	36.0	35.9	35.3	34.1	33.0	31.1	30.8	33.0	
5	29.9	23.6	29.0	30.7	31.4	31.7	36.3	31.6	29.7	28.4	29.5	28.9	27.7	26.0	26.7	29.5	32.7	34.8	34.9	34.7	32.8	32.1	31.5	28.8	30.6	
6 Q	26.3	28.9	30.7	31.2	31.9	31.2	30.7	31.6	33.7	29.8	29.5	29.3	28.1	28.0	29.2	31.8	33.8	34.8	35.3	34.3	32.7	31.7	31.2	30.8	31.1	
7	31.3	31.2	32.8	31.9	31.7	30.5	28.8	28.5	28.8	27.5	26.3	25.6	24.9	25.9	31.9	35.6	36.7	37.6	37.6	36.8	37.2	34.9	36.8	35.4	31.9	
8	32.2	31.0	26.8	31.4	31.2	30.0	28.1	31.0	25.7	27.4	26.5	42.2	38.3	31.0	27.7	31.7	34.4	38.3	35.9	38.0	36.4	36.8	34.9	26.5	32.2	
9 D	29.5	27.4	31.8	29.2	51.3	29.4	33.0	43.4	28.0	20.9	24.8	26.7	27.1	26.7	31.0	35.6	35.8	33.5	36.4	36.5	27.6	32.7	33.1	30.0	31.7	
10	27.7	30.3	30.1	31.0	32.7	27.2	29.2	35.6	32.1	28.1	27.4	28.3	27.7	29.4	31.3	33.7	38.6	37.6	36.5	32.8	31.7	30.8	32.2	32.7	31.5	
11	32.6	30.2	31.2	31.2	31.0	30.9	31.7	31.2	28.0	29.2	30.1	29.7	31.0	29.2	28.8	31.7	34.6	35.8	35.9	33.9	33.0	30.3	31.7	29.0	31.3	
12	30.1	31.2	30.2	28.9	29.9	30.7	35.8	32.6	24.6	27.2	28.9	29.2	28.5	28.9	30.6	33.1	35.2	37.1	35.8	32.8	31.0	31.7	25.9	28.2	30.7	
13	29.8	31.9	30.0	29.1	31.5	30.9	31.1	30.0	29.4	28.2	28.4	28.4	28.2	29.9	31.2	32.2	35.0	36.1	35.7	34.1	33.8	32.9	31.8	32.7	31.4	
14 Q	31.2	28.4	31.1	30.8	30.6	30.4	30.0	29.9	29.4	29.2	28.7	28.4	27.6	27.4	27.8	29.3	31.8	32.9	33.6	32.5	31.8	31.5	30.9	30.6	30.3	
15 Q	30.8	30.2	30.0	30.0	28.9	30.2	29.7	29.4	29.3	29.2	28.4	26.7	26.6	26.6	27.5	29.8	33.5	35.5	35.7	34.6	32.9	31.1	31.0	30.9	30.4	
16 Q	30.8	30.3	28.1	28.4	30.3	30.1	30.1	29.4	28.3	28.5	28.2	27.9	27.0	27.3	28.4	31.6	34.3	35.3	35.5	34.7	33.6	32.7	31.6	30.6	30.6	
17	30.3	30.2	30.1	30.0	26.2	28.8	31.2	30.3	24.8	29.8	26.4	29.3	35.5	28.8	27.6	31.1	32.8	35.8	36.7	36.1	35.4	33.9	31.1	30.7	30.9	
18 Q	30.2	30.0	30.1	29.8	30.0	30.6	30.0	29.3	29.7	28.4	27.9	28.1	26.6	26.0	27.7	29.7	32.1	35.7	37.4	34.8	32.6	31.8	31.2	30.3	30.5	
19	27.0	29.1	28.8	22.5	31.8	29.8	28.0	29.3	28.5	27.3	28.4	26.7	27.6	27.4	29.0	27.7	30.2	32.2	32.5	32.6	31.3	31.9	31.2	30.7	29.2	
20	30.1	29.9	29.9	29.5	28.6	30.4	30.2	29.8	29.1	29.4	29.5	28.5	28.2	27.6	27.4	30.7	32.6	32.7	44.4	35.4	34.0	32.9	31.4	31.2	30.9	
21	23.9	22.1	31.7	29.5	29.4	31.3	32.2	30.4	28.5	29.2	29.8	29.6	28.9	29.2	29.7	31.1	31.9	32.7	33.7	33.1	31.9	31.3	31.2	30.7	30.1	
22	31.0	30.4	30.6	30.6	29.9	31.2	30.9	22.8	26.2	26.2	29.0	43.3	44.4	38.5	33.0	34.0	35.2	38.5	34.1	32.0	32.0	33.5	31.7	27.7	32.4	
23	15.9	23.0	27.4	26.7	30.3	30.7	32.6	31.7	34.8	30.7	29.4	29.4	29.3	29.6	31.8	31.3	31.0	33.0	33.7	32.7	32.1	33.5	32.9	30.4	30.2	
24	32.1	28.8	29.2	28.5	33.7	34.0	33.9	32.7	29.9	35.6	38.3	31.0	43.0	36.2	38.3	38.2	38.7	41.3	37.3	35.8	29.9	31.9	29.8	22.1	33.7	
25	21.0	9.2	20.3	24.4	31.2	31.8	36.5	36.7	31.0	26.5	28.5	31.9	39.1	35.2	33.4	35.4	36.4	37.7	36.4	34.4	29.2	32.2	31.4	30.0	30.8	
26 D	18.6	15.9	27.7	29.7	29.0	24.6	30.4	36.8	57.2	27.0	32.3	35.8	41.2	42.9	39.2	35.4	35.8	35.7	33.0	35.6	28.3	28.8	29.6	22.2	32.2	
27	24.9	22.8	28.2	36.5	36.8	29.9	51.8	47.3	28.6	24.9	28.6	29.4	29.4	29.8	31.0	33.7	35.8	34.9	34.2	31.9	36.2	27.7	25.3	15.8	31.5	
28	25.4	8.9	27.4	37.4	40.7	37.6	41.7	35.2	27.7	31.8	35.2	33.0	37.3	38.6	40.3	37.9	36.2	34.0	31.8	31.7	29.6	23.0	28.9	28.3	32.5	
29	23.3	10.5	24.3	31.9	36.4	27.0	35.5	34.7	40.8	35.6	29.0	37.4	49.1	37.6	38.7	42.9	41.0	40.2	38.3	29.4	33.1	29.2	24.9	28.5	33.3	
30	30.1	28.3	20.5	27.7	29.0	28.6	37.1	32.3	27.9	32.8	35.8	40.1	39.0	51.9	43.1	35.3	34.0	32.8	34.4	33.0	30.7	30.9	19.7	30.3	32.7	
31	30.3	29.5	22.8	19.9	21.6	28.3	36.7	31.3	34.0	29.2	32.6	47.4	49.8	33.1	31.1	33.5	34.8	38.3	37.8	34.5	28.1	32.8	27.3	29.0	32.2	
Mean	27.4	25.8	28.0	29.5	32.1	30.5	33.4	32.4	30.3	29.6	30.9	31.7	32.7	31.8	32.3	33.6	35.0	35.9	35.8	34.1	32.3	31.5	30.3	27.9	31.4	

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

Table 39 Agincourt

z = 56,000 γ +

October 1943

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	500	462	484	452	394	452	421	439	437	432	402	465	468	467	464	476	484	488	488	494	508	504	501	494	466
2 D	494	444	481	513	480	447	427	455	467	451	447	465	467	461	471	480	491	507	521	512	513	501	501	494	479
3 D	483	478	474	465	420	426	409	360	346	330	360	413	455	468	480	484	491	503	495	499	501	513	528	514	454
4	490	489	458	476	479	428	414	458	464	440	425	453	458	463	470	471	478	482	482	483	486	485	484	486	467
5	485	463	471	477	477	467	464	467	471	470	475	476	478	477	473	468	470	476	477	478	486	481	481	480	474
6 Q	477	477	480	473	471	473	474	471	464	456	458	463	465	469	470	468	466	467	470	470	473	475	477	476	470
7	475	482	483	483	480	476	475	473	473	471	469	471	470	466	464	462	463	467	470	475	482	487	506	521	477
8	547	509	490	484	484	478	470	477	473	472	470	429	433	447	456	457	460	471	473	481	492	505	530	551	480
9 D	515	512	503	470	357	445	385	276	340	434	441	461	468	470	469	469	471	486	482	481	503	491	501	489	455
10	485	483	491	486	483	465	464	438	459	465	469	474	469	467	469	469	475	484	476	482	475	475	481	475	474
11	479	481	479	475	477	474	435	444	456	464	462	462	472	477	477	470	474	477	485	486	487	487	481	485	473
12	482	490	486	477	475	455	457	439	460	473	478	475	474	474	468	463	469	474	476	483	484	480	479	480	473
13	479	476	471	469	475	473	473	468	470	470	470	470	472	472	472	473	474	474	476	479	483	481	479	478	474
14 Q	477	475	476	476	475	473	473	474	473	474	472	474	471	470	467	463	464	465	468	471	475	476	474	474	472
15 Q	470	468	469	472	467	468	469	469	469	469	469	468	468	467	465	462	459	462	468	473	471	470	470	470	468
16 Q	469	469	469	466	467	468	467	463	464	466	465	467	468	467	465	464	464	468	469	469	470	470	470	470	467
17	469	469	469	469	467	467	453	424	440	463	467	458	456	447	456	454	462	470	475	480	482	480	479	475	464
18 Q	472	470	469	470	469	469	469	467	468	467	467	469	472	471	472	470	464	467	473	468	472	472	470	472	469
19	473	474	471	461	458	464	464	463	449	449	458	461	467	468	465	462	461	461	465	467	468	469	469	468	464
20	465	465	466	467	467	469	468	465	464	464	465	465	464	464	465	467	463	464	481	480	471	472	474	475	468
21	485	486	484	466	469	463	460	461	464	467	469	471	471	472	475	471	466	466	466	468	469	472	470	471	470
22	469	471	471	472	472	475	469	456	467	466	461	442	425	437	448	459	471	474	484	481	479	480	480	485	467
23	474	480	480	470	470	472	471	470	467	464	466	468	466	469	473	467	461	465	468	470	471	469	475	483	470
24	480	489	488	478	453	447	453	446	441	394	319	352	417	436	455	472	470	420	424	488	507	503	522	518	453
25	508	452	448	455	425	437	424	380	364	399	445	453	464	461	463	463	463	471	479	487	499	488	478	481	453
26 D	480	466	482	436	383	316	229	315	250	340	384	428	432	443	488	483	473	483	495	499	498	487	483	481	427
27	478	476	470	446	381	428	368	353	400	427	448	462	470	465	469	471	475	475	475	485	494	517	496	488	455
28	484	465	419	377	352	366	395	412	440	451	458	451	458	451	465	482	482	487	495	492	490	494	488	488	452
29	482	457	451	449	419	439	433	419	406	422	445	427	429	432	451	459	471	486	486	505	495	494	493	480	455
30	474	468	468	459	471	452	411	442	458	454	436	451	452	456	459	462	471	478	484	487	488	487	492	477	464
31	470	468	467	427	403	433	442	454	456	438	434	422	441	453	464	460	465	475	476	491	503	496	492	483	459
Mean	483	475	473	465	449	451	439	436	440	445	447	454	460	462	467	468	470	474	477	483	486	486	487	486	465

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt

October 1943

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	03	49	348	14	28	204	144	04	12	57.5	23	24	-05.6	63.1	23	20	526	04	05	343	183
2 D	22	17	336	01	31	237	99	13	50	41.9	01	35	-09.6	51.5	00	35	546	01	43	389	157
3 D	20	40	336	09	45	190	146	10	05	57.8	23	20	03.1	54.7	23	18	579	07	08	303	276
4	20	22	328	15	36	261	67	05	43	47.7	02	25	11.3	36.4	01	20	507	06	05	373	134
5	01	14	343	20	00	291	52	06	17	39.0	01	55	17.1	21.9	20	23	488	01	28	449	39
6 Q	11	00	327	16	42	293	34	18	18	35.8	00	25	23.7	12.1	22	43	479	09	30	452	27
7	20	20	360	14	02	265	95	20	25	40.0	13	16	22.7	17.3	23	28	547	15	00	455	92
8	21	00	373	11	45	242	131	11	47	53.5	23	37	14.5	39.0	23	26	604	11	40	406	198
9 D	19	25	342	07	06	66	276	04	19	73.8	09	02	18.3	55.5	00	55	521	07	07	226	295
10	19	20	350	16	33	236	114	16	33	43.6	06	05	23.0	20.6	02	33	498	07	50	421	77
11	19	55	333	12	03	283	50	18	00	36.7	06	23	25.6	11.1	20	47	492	06	46	409	83
12	19	33	326	05	50	261	65	07	08	41.2	22	50	21.6	19.6	01	52	497	07	45	427	70
13	02	58	329	15	48	275	54	17	52	35.8	02	55	20.2	15.6	21	00	484	08	00	468	16
14 Q	21	00	331	15	00	304	27	18	00	33.8	01	18	24.3	09.5	00	20	480	15	55	463	17
15 Q	21	00	331	16	25	291	40	18	00	36.6	12	50	25.6	11.0	19	35	476	16	00	457	19
16 Q	23	47	332	14	55	302	30	18	33	36.1	02	47	24.8	11.3	21	01	474	15	00	460	14
17	03	00	330	16	27	280	50	12	13	37.3	08	17	22.7	14.6	21	00	486	08	08	415	71
18 Q	20	33	326	14	40	293	33	18	12	38.8	13	40	24.4	14.4	21	00	478	17	34	465	13
19	04	21	343	00	45	296	47	04	30	36.1	03	35	18.3	17.8	02	00	478	03	50	443	35
20	20	23	339	19	00	278	61	18	30	48.0	13	00	26.2	21.8	18	55	498	16	31	460	38
21	19	35	325	00	41	254	71	05	48	34.6	00	50	15.8	18.8	02	26	497	06	40	455	42
22	07	14	337	16	04	265	72	11	45	49.6	07	45	20.3	29.3	23	59	499	12	25	420	79
23	22	53	322	01	01	249	73	08	22	36.1	00	15	-02.3	38.4	00	08	503	16	00	461	42
24	11	05	348	09	35	220	128	09	57	67.8	23	43	03.9	63.9	23	04	571	10	21	276	295
25	08	35	315	01	18	242	73	12	55	44.7	01	18	-25.9	70.6	01	14	606	09	00	347	259
26 D	23	24	319	06	42	37	282	08	23	67.1	01	10	07.4	59.7	20	38	505	06	43	131	374
27	20	39	324	21	09	238	86	06	59	60.2	23	10	03.0	57.2	21	31	524	07	00	322	202
28	02	00	345	05	36	187	158	04	00	57.0	01	32	-18.8	75.8	01	30	524	03	57	293	231
29	04	35	342	14	35	251	91	04	05	56.1	01	00	-01.6	57.7	21	58	512	04	06	368	144
30	15	05	322	13	18	229	93	14	00	55.9	22	13	05.7	50.2	22	14	504	06	42	363	141
31	03	50	352	11	50	240	112	11	52	54.7	03	27	05.1	49.6	20	16	511	04	30	375	136
Mean			336			244	92			46.9			11.7	35.2			513			390	123
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 1943

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	309	316	306	311	299	308	309	285	281	296	265	324	312	270	294	292	282	281	297	311	307	304	299	307	298
2	311	316	311	309	311	312	308	306	306	306	312	316	312	302	290	282	280	290	298	304	311	316	318	319	306
3	319	315	314	314	312	314	319	311	313	313	314	317	311	304	296	291	292	296	304	308	314	316	316	317	310
4	320	316	317	318	320	323	318	316	317	316	318	317	314	303	293	290	293	301	311	321	327	329	326	322	314
5	323	324	323	317	307	301	311	314	316	321	321	319	312	303	285	306	307	311	313	318	316	322	314	319	313
6	317	314	312	313	303	311	309	313	314	318	317	319	316	298	285	287	262	240	288	296	292	303	281	296	300
7	298	303	306	301	301	306	296	280	275	308	314	314	307	297	295	295	304	311	316	323	291	302	311	313	303
8	306	315	311	309	309	313	313	300	295	302	314	318	314	306	300	300	304	306	313	312	318	311	317	316	309
9	320	315	315	323	323	313	313	315	317	319	320	323	324	318	315	305	314	315	323	319	319	324	319	307	317
10	314	315	313	315	316	317	318	319	318	318	318	314	313	307	307	312	318	324	334	314	296	312	315	315	315
11 Q	317	317	315	314	317	318	313	312	313	314	315	315	312	307	307	307	307	314	319	320	322	320	320	319	315
12	317	319	317	317	317	318	323	323	327	328	327	320	322	319	314	307	302	309	317	322	323	319	317	319	318
13 Q	319	318	318	317	315	316	317	319	319	322	320	323	318	309	302	297	303	307	317	323	324	322	319	320	316
14 Q	317	318	319	317	314	314	309	314	315	317	319	319	317	311	305	297	297	304	309	310	314	314	317	318	313
15 Q	318	319	318	318	317	317	320	324	322	325	325	325	323	317	315	311	307	315	327	328	329	327	329	325	321
16	324	323	315	330	314	327	327	327	321	323	323	321	312	307	298	297	300	305	312	312	307	302	304	309	314
17 Q	309	314	313	312	315	315	315	315	315	315	319	320	318	308	299	289	289	297	312	318	323	325	325	323	313
18	317	315	315	317	317	318	322	322	319	318	317	319	325	318	313	307	303	302	309	320	323	320	320	320	316
19 D	318	313	313	300	309	276	297	289	184	312	304	245	262	309	294	275	278	281	292	281	303	312	301	264	288
20 D	293	301	307	260	266	258	227	248	281	268	271	296	309	296	296	272	268	299	305	301	289	302	309	303	284
21	243	269	293	293	313	301	287	261	295	294	305	310	302	292	278	269	259	277	282	287	295	305	300	290	287
22	305	285	282	285	324	295	287	289	290	293	308	315	302	289	289	287	256	282	295	298	305	309	315	296	295
23	302	300	306	319	310	291	308	306	308	295	297	312	289	284	289	261	267	270	282	278	277	272	248	287	290
24	269	294	264	279	292	291	293	288	268	279	295	304	290	254	231	284	289	287	267	282	295	295	293	278	282
25 D	299	314	298	289	289	292	281	287	274	273	288	304	302	298	267	256	275	257	269	264	277	275	291	290	284
26 D	298	295	292	306	323	288	290	268	287	305	311	313	305	273	241	267	279	282	283	289	277	274	284	278	288
27 D	244	263	269	259	274	268	195	289	279	279	292	298	277	298	295	284	290	293	298	299	289	297	299	279	279
28	287	302	303	294	306	289	287	285	274	293	302	306	305	305	293	287	292	291	279	302	306	304	290	285	295
29	290	295	299	294	289	283	290	293	282	303	316	308	313	304	300	288	278	279	274	285	290	302	302	307	294
30	298	292	290	293	293	295	304	304	302	308	310	314	308	309	305	294	290	300	302	306	308	309	308	308	302
31																									
Mean	304	307	306	305	307	303	300	300	298	306	309	312	308	300	293	290	290	294	301	305	306	308	307	305	303

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt

D = 7° W + . . . ' .

November 1943

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	27.3	27.7	28.5	31.7	35.3	37.3	30.7	35.4	40.5	34.7	46.5	44.0	42.1	40.8	44.9	38.6	38.7	38.5	34.9	32.5	32.7	31.9	29.2	30.7	35.7	
2	25.6	28.2	28.3	29.2	30.7	31.6	31.9	33.0	33.7	34.6	31.0	29.0	28.1	26.8	27.6	29.8	33.5	34.8	35.4	34.7	33.1	31.9	30.7	30.0	30.9	
3	30.1	29.4	29.2	30.0	30.8	32.0	32.2	32.2	30.4	29.9	29.2	29.1	27.7	27.0	27.7	30.7	33.6	34.7	34.5	32.8	31.7	31.0	31.2	29.9	30.7	
4	29.2	28.6	29.2	28.8	28.9	30.3	29.5	29.5	28.2	27.7	27.7	27.6	25.8	24.5	24.8	28.6	31.3	33.6	34.0	33.2	32.0	30.8	31.4	31.8	29.5	
5	29.9	28.6	28.3	27.7	28.3	27.2	29.3	29.2	30.7	25.8	25.6	25.1	24.0	24.6	28.1	33.5	32.8	33.6	34.7	34.0	33.1	32.7	31.3	30.4	29.5	
6	29.9	29.2	28.0	23.1	26.7	28.3	29.2	30.3	29.2	27.8	27.1	27.1	24.9	23.8	27.7	31.3	32.3	36.7	35.4	38.6	32.0	34.0	26.4	28.3	29.5	
7	28.6	23.4	29.0	28.5	28.6	31.0	28.5	31.2	36.5	31.7	27.5	27.5	26.2	25.5	26.2	28.0	31.0	32.1	33.1	32.8	33.6	31.3	31.2	29.4	29.7	
8	22.8	26.7	29.0	28.5	29.2	31.8	35.8	26.8	30.8	31.9	27.3	27.2	25.9	26.1	27.2	30.4	31.9	30.9	30.8	30.4	31.7	31.7	29.5	30.8	29.4	
9	28.6	28.1	17.4	29.4	30.8	29.2	38.1	29.6	27.6	27.7	28.2	29.1	28.4	28.5	28.9	31.0	31.7	30.9	31.6	31.9	31.1	30.8	30.8	29.2	29.6	
10	28.9	30.8	28.9	30.3	30.8	31.2	30.3	29.6	29.0	28.2	28.6	28.1	28.2	28.6	29.5	31.2	32.2	31.7	31.3	33.5	33.5	30.3	29.4	29.0	30.1	
11 Q	29.2	29.5	29.9	29.5	29.9	30.5	30.0	29.4	28.5	28.1	28.8	28.5	28.6	28.6	29.2	30.4	30.7	31.1	30.3	29.5	29.2	29.3	29.2	29.0	29.5	
12	29.0	29.2	29.2	29.4	29.5	29.3	29.2	29.0	28.4	27.5	27.9	27.7	31.1	29.2	29.2	31.3	32.3	33.1	32.2	31.1	30.3	30.5	29.8	29.4	29.7	
13 Q	28.9	29.1	29.2	29.4	29.5	30.0	30.0	29.5	29.5	29.0	28.5	27.7	26.9	26.4	26.5	28.6	31.9	34.4	34.5	34.3	33.1	32.5	32.7	30.0	30.1	
14 Q	28.9	28.2	29.2	29.4	27.0	29.2	30.0	29.4	28.5	27.7	28.3	28.1	27.4	26.5	27.1	29.5	32.9	34.5	34.0	32.7	31.3	30.9	30.0	29.4	29.6	
15 Q	29.2	28.6	28.5	29.2	29.5	29.5	29.7	29.8	29.6	29.4	29.0	28.2	27.5	26.2	25.4	27.7	29.4	31.3	31.7	30.8	29.5	29.0	28.5	28.6	29.0	
16	28.5	28.4	20.9	20.8	28.0	29.8	30.0	29.3	28.5	27.4	27.7	27.7	27.6	26.2	28.7	31.7	33.1	33.9	34.1	34.9	33.1	32.6	30.0	29.2	29.3	
17 Q	28.5	27.7	28.5	28.7	28.7	29.6	29.9	29.4	29.2	28.5	28.9	28.6	28.1	27.0	27.1	28.8	30.9	32.1	33.0	32.2	31.2	30.3	29.3	29.2	29.4	
18	29.0	28.6	27.8	28.9	29.4	29.9	32.1	30.3	29.5	29.3	28.1	30.0	28.0	27.4	28.7	28.3	32.6	33.9	37.3	35.1	33.3	31.7	30.1	28.9	30.4	
19 D	29.2	28.5	27.5	19.5	16.2	26.7	31.3	35.9	75.6	28.5	30.7	43.6	60.9	34.0	32.7	30.4	34.0	35.4	33.9	32.7	29.9	30.7	31.7	5.9	32.8	
20 D	29.0	22.6	26.2	22.7	28.4	33.2	40.0	35.4	41.4	31.3	34.9	33.7	32.9	30.2	29.4	35.9	32.1	31.0	32.3	32.7	32.8	31.8	29.7	30.2	31.7	
21	8.3	18.4	28.4	26.8	28.4	27.6	32.3	40.9	33.1	32.2	36.3	35.8	41.4	43.8	37.8	34.8	38.2	33.8	36.4	35.6	28.2	29.5	30.0	20.0	31.6	
22	25.8	23.7	20.8	24.0	34.0	32.3	28.7	33.8	34.0	32.8	30.1	29.5	30.8	37.2	37.3	33.0	36.5	33.6	33.1	32.0	28.8	30.1	29.3	22.0	30.6	
23	25.9	25.8	25.9	26.8	31.3	29.3	33.1	39.1	28.6	30.4	32.2	29.6	34.2	37.3	37.4	33.2	37.5	36.4	36.4	28.7	32.0	18.7	19.1	31.0	30.8	
24	26.6	16.2	20.2	31.8	27.3	36.2	40.0	35.6	37.8	38.1	33.1	28.7	31.4	37.1	45.1	40.6	35.6	35.5	33.3	34.5	32.4	26.9	30.0	22.9	32.4	
25 D	27.4	19.9	22.7	26.6	38.1	32.3	29.5	41.1	40.2	34.8	43.1	41.8	39.0	33.2	33.1	38.1	36.4	31.8	33.2	30.9	34.1	30.8	30.0	19.6	32.8	
26 D	28.4	28.6	27.2	20.2	28.6	25.5	30.2	34.8	38.1	29.5	27.1	29.3	32.0	35.7	43.0	44.0	33.8	31.8	32.6	32.2	26.8	21.7	29.9	13.6	30.2	
27 D	8.4	20.9	23.1	37.5	12.3	27.2	47.7	32.3	33.8	39.6	34.1	39.5	42.7	38.7	32.6	30.5	30.9	32.3	32.9	32.8	35.4	31.8	31.7	17.7	31.1	
28	27.5	26.8	29.1	24.7	24.1	28.6	27.7	39.2	42.2	34.9	43.9	27.5	25.2	25.0	26.4	28.1	31.2	34.0	34.7	33.7	32.2	29.5	27.8	19.1	30.1	
29	25.3	23.2	21.8	23.2	26.5	36.4	38.7	33.1	41.4	35.5	31.8	38.4	34.7	45.0	35.9	31.9	34.5	35.0	36.9	33.2	28.4	31.1	29.9	28.6	32.5	
30	28.7	26.8	25.5	28.1	28.4	30.0	33.8	35.6	30.2	29.1	29.1	30.8	33.1	36.3	33.6	34.5	34.9	34.6	34.1	32.3	30.5	29.7	29.0	28.7	31.1	
31																										
Mean	26.7	26.3	26.6	27.5	28.5	30.4	32.3	32.6	34.1	30.7	31.0	30.9	31.5	30.8	31.2	32.1	33.2	33.6	33.7	32.8	31.6	30.1	29.6	26.4	30.6	

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

Table 43 Agincourt

$Z = 56,000 \gamma +$

November 1943

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	476	465	467	462	445	430	434	436	417	433	414	423	427	444	454	457	464	473	481	480	476	475	475	476	454
2	473	463	468	466	463	461	460	460	462	462	464	467	468	468	467	467	467	472	475	473	473	472	468	468	467
3	467	466	466	464	463	460	449	459	463	466	467	466	465	465	466	464	466	469	474	474	473	469	469	469	466
4	466	466	466	465	463	459	457	460	461	461	461	460	461	459	456	456	456	458	458	459	461	462	464	465	461
5	465	467	462	461	468	473	472	459	462	449	461	460	462	461	460	459	462	463	465	466	468	469	469	469	464
6	469	469	472	469	466	469	460	464	468	468	465	465	462	455	454	449	463	489	499	495	497	484	498	495	473
7	494	488	489	489	487	477	470	457	447	462	466	464	464	463	461	458	461	461	461	464	466	477	473	471	470
8	471	466	467	467	465	454	434	453	455	458	460	461	460	457	454	459	461	461	461	460	465	467	468	471	461
9	467	465	465	459	463	455	440	440	455	459	458	459	458	457	455	453	458	459	455	455	459	461	462	464	457
10	464	464	464	464	462	460	460	459	459	457	456	455	455	456	456	456	457	458	458	460	470	470	466	465	460
11 Q	463	458	459	459	459	455	458	459	459	458	458	458	458	459	460	457	457	455	454	457	458	457	457	458	458
12	455	455	456	455	455	455	454	453	454	453	451	446	448	445	445	442	445	448	450	453	458	458	457	458	452
13 Q	457	457	456	456	456	456	456	455	453	455	454	455	457	454	454	453	452	454	456	457	458	460	463	464	456
14 Q	463	462	460	457	455	458	455	457	458	456	456	456	456	457	455	450	453	457	459	462	461	459	457	457	457
15 Q	456	455	455	456	455	455	453	452	452	452	452	451	453	452	450	442	444	447	447	450	450	451	451	452	451
16	451	453	450	441	447	450	448	450	450	450	450	450	448	445	444	444	446	446	452	456	459	462	462	461	451
17 Q	457	454	454	452	450	452	452	452	452	450	451	451	451	452	451	449	450	450	452	457	456	454	451	451	452
18	451	452	452	451	452	450	448	446	449	449	449	450	451	451	450	444	446	446	455	457	456	454	453	454	451
19 D	450	450	450	455	427	425	385	375	220	319	397	375	361	423	440	448	454	460	467	473	473	467	469	490	423
20 D	480	456	419	419	385	337	325	325	351	366	397	431	439	450	461	458	469	467	460	461	463	463	462	463	425
21	474	479	475	456	421	412	413	353	385	423	419	418	432	443	458	465	468	489	477	480	483	468	468	471	447
22	467	461	460	451	416	410	430	427	426	443	449	448	448	449	452	452	456	477	466	471	469	467	461	473	451
23	467	467	445	435	427	424	416	416	437	442	436	439	442	455	455	461	466	479	492	520	533	551	550	493	465
24	488	455	471	431	445	432	421	428	423	427	435	449	453	453	473	464	454	460	474	479	473	479	472	473	455
25 D	471	458	441	453	413	421	420	424	400	388	384	382	424	432	441	464	462	488	501	567	541	523	498	494	454
26 D	474	465	465	450	421	420	429	393	420	451	453	452	454	444	465	465	464	465	466	467	485	494	488	480	455
27 D	471	490	465	348	382	412	320	384	388	402	419	424	426	442	452	456	461	459	461	470	477	476	480	483	435
28	478	470	464	456	438	437	438	443	459	423	397	428	446	446	443	443	447	451	461	470	464	463	459	463	450
29	460	455	440	440	435	387	381	403	405	422	432	434	435	435	436	439	450	455	469	471	477	469	465	464	440
30	461	459	459	457	454	447	437	428	436	440	440	441	444	444	442	447	452	454	458	459	459	460	459	459	450
31																									
Mean	467	463	459	451	444	440	432	432	431	438	441	444	447	450	454	454	457	462	465	471	472	471	470	469	454

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt

November 1943

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	11 40	342	10 41	252	90	10 45	50.7	00 47	23.3	27.4	18 43	489	10 45	394	95
2	01 10	326	16 44	276	50	09 00	39.4	00 33	22.8	16.6	19 09	475	08 00	457	18
3	06 00	333	15 23	287	46	06 04	38.3	14 15	26.4	11.9	18 55	476	06 25	446	30
4	22 00	334	15 35	288	46	18 00	34.7	13 25	23.4	11.3	00 13	468	15 58	454	14
5	20 04	339	14 21	275	64	08 55	36.1	14 10	20.4	15.7	05 15	475	09 09	438	37
6	12 03	325	17 27	186	139	17 30	48.9	22 50	16.7	32.2	20 15	514	15 55	441	73
7	19 17	327	07 56	255	72	08 52	38.5	01 15	13.7	24.8	00 40	501	08 29	432	69
8	20 05	334	14 56	292	42	06 05	45.2	00 50	19.9	25.3	23 35	473	06 09	425	48
9	03 00	341	02 20	297	44	06 50	49.4	02 42	12.4	37.0	00 30	469	06 55	420	49
10	18 33	338	20 55	283	55	19 40	35.8	00 01	27.0	08.8	20 40	476	15 45	453	23
11 Q	08 00	326	14 58	305	<u>21</u>	05 00	32.5	09 25	27.6	<u>04.9</u>	00 10	463	17 45	452	11
12	12 40	328	16 10	301	27	17 00	33.1	11 20	26.7	06.4	20 20	459	15 15	440	19
13 Q	20 25	327	15 47	297	30	19 00	35.3	12 45	25.8	09.5	23 59	466	17 25	451	15
14 Q	12 00	322	15 50	295	27	18 00	34.9	04 35	24.1	10.8	19 50	464	15 45	448	16
15 Q	18 40	335	15 50	303	32	18 02	32.7	14 24	24.9	07.8	00 05	457	16 00	439	18
16	03 05	340	16 17	283	57	19 36	36.8	02 30	14.9	21.9	22 00	467	03 45	438	29
17 Q	21 40	328	16 18	286	42	18 05	33.6	13 43	26.2	07.4	20 50	457	17 00	447	<u>10</u>
18	20 36	330	17 52	294	36	18 37	38.3	13 30	24.7	13.6	19 55	461	16 00	440	21
19 D	09 45	333	08 23	<u>76</u>	<u>257</u>	08 25	<u>92.0</u>	23 25	-07.0	<u>99.0</u>	23 10	509	08 19	<u>103</u>	<u>406</u>
20 D	02 12	351	06 26	155	196	06 07	72.9	01 43	02.2	70.7	00 05	490	06 05	214	276
21	04 18	336	00 33	223	113	13 04	45.9	00 37	-08.3	54.2	17 04	504	07 55	310	194
22	04 35	344	16 40	236	108	05 05	43.1	23 55	12.7	30.4	17 06	485	04 50	396	89
23	03 40	344	22 20	230	114	07 05	45.9	21 38	11.6	34.3	21 29	602	07 00	398	204
24	01 20	320	14 07	220	100	14 39	49.3	01 03	-10.6	59.9	00 52	498	06 00	406	92
25 D	01 44	<u>351</u>	15 14	218	133	08 13	52.0	01 35	-02.6	54.6	19 36	603	11 38	367	236
26 D	04 14	339	14 45	227	112	15 33	48.6	23 40	-11.7	60.3	19 13	508	08 02	376	132
27 D	13 37	311	06 17	150	161	06 13	70.7	03 56	-05.1	75.8	21 48	500	06 09	251	249
28	01 52	331	08 12	251	80	08 10	52.0	23 35	15.6	36.4	00 48	483	10 46	378	105
29	12 14	322	05 55	252	70	13 25	48.3	02 52	13.2	35.1	20 30	479	05 49	341	138
30	11 35	314	16 00	282	32	06 57	39.0	02 19	23.7	15.3	00 01	463	07 30	422	41
31															
Mean		332		252	80		45.1		14.5	30.6		488		396	92
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 1943

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	310	310	309	309	309	309	308	310	309	311	314	316	315	314	307	304	296	307	317	325	326	325	327	319	313
2	317	319	315	306	314	309	310	311	312	314	315	314	311	305	298	274	273	302	317	307	294	306	319	293	307
3 D	309	304	296	304	299	298	296	304	309	309	312	309	301	278	255	267	260	262	285	289	299	309	307	294	294
4	283	296	301	297	304	301	299	303	300	307	309	310	307	283	276	287	283	284	275	293	309	309	299	309	297
5	305	311	314	301	295	319	309	304	304	315	312	310	304	300	283	286	277	290	299	306	311	311	314	314	304
6 Q	311	311	311	309	310	310	310	309	309	309	310	311	310	306	296	286	288	298	306	311	317	319	320	317	308
7	311	314	315	311	310	310	310	307	309	309	314	314	312	314	310	303	296	300	309	314	319	318	319	319	311
8	316	314	307	304	309	319	316	315	315	316	319	324	326	324	319	307	302	307	312	319	318	315	315	312	315
9	309	307	299	305	311	309	304	296	299	312	322	324	327	326	316	301	305	306	315	312	314	313	307	304	310
10	299	302	301	300	296	295	296	303	306	314	316	315	316	321	311	313	307	304	303	307	316	323	320	316	309
11 Q	317	315	312	315	311	311	311	311	312	313	315	313	313	312	305	299	297	305	310	313	318	317	313	315	311
12 Q	313	314	311	310	309	310	310	312	313	315	315	313	313	311	305	302	305	312	321	324	324	321	315	309	313
13 Q	304	300	305	308	305	304	306	307	310	315	315	315	315	306	302	294	291	299	308	315	315	316	316	315	308
14	312	311	310	308	311	311	315	312	316	320	321	322	322	306	277	285	295	305	308	306	315	313	312	311	309
15	305	308	302	303	302	302	305	305	304	309	310	308	307	302	295	287	289	297	306	311	316	310	311	297	304
16 D	295	292	300	299	300	308	302	302	281	281	317	323	279	302	286	264	259	269	265	280	291	289	282	266	289
17 D	259	294	280	289	325	292	268	301	300	296	285	291	303	294	286	268	254	267	277	284	300	302	292	275	287
18	288	293	316	308	296	305	306	301	289	289	310	308	300	294	262	268	270	286	291	289	296	306	310	305	295
19 D	295	280	277	299	304	303	306	295	292	295	279	303	295	292	295	286	263	245	254	289	304	279	286	290	288
20 D	278	297	293	299	310	305	295	286	296	302	294	303	312	287	269	268	267	261	284	276	271	300	310	280	289
21	267	294	302	300	302	310	310	300	300	303	306	308	295	301	292	282	285	287	297	269	289	295	279	271	294
22	284	306	296	289	306	303	302	299	295	289	317	316	304	303	289	286	266	277	289	294	303	306	297	291	296
23	244	254	250	251	252	251	251	251	237	249	316	309	308	297	303	290	285	290	290	301	316	314	305	298	280
24	290	288	290	297	303	297	302	298	300	308	311	311	306	300	293	289	291	297	303	303	300	311	314	311	301
25	304	305	305	307	316	302	302	300	298	297	305	307	306	300	295	287	281	290	301	311	305	306	306	303	302
26	298	286	301	303	306	306	307	311	311	310	305	311	308	307	305	293	266	290	294	286	291	298	305	305	300
27	303	301	300	300	311	301	303	299	305	305	306	308	313	309	305	297	298	302	309	315	314	315	314	311	306
28 Q	308	314	312	311	306	306	316	311	316	318	319	321	313	308	296	294	293	301	313	321	323	322	321	319	312
29	313	312	310	311	309	305	306	306	301	298	311	306	305	301	294	288	280	296	309	311	312	316	313	311	305
30	309	311	312	311	309	308	311	311	313	316	316	321	313	300	287	296	298	306	316	321	320	323	319	318	311
31	316	314	314	313	312	312	311	311	305	306	317	314	316	316	298	289	296	299	311	320	321	313	290	272	308
Mean	299	303	302	302	305	304	303	303	302	305	311	312	309	304	294	288	284	292	300	304	309	310	309	302	302

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt

D = 7° W + . . . ' .

December 1943

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	28.6	28.4	28.6	29.3	29.6	29.9	30.8	29.9	30.8	31.2	29.3	27.5	26.6	24.9	27.1	31.5	33.2	36.6	33.8	32.7	32.9	34.9	32.3	28.4	30.4
2	27.4	26.8	27.2	26.8	29.1	28.8	29.2	29.1	27.8	26.3	25.8	25.8	25.7	24.0	25.0	26.9	38.2	38.6	37.3	38.4	35.9	32.2	34.1	24.7	29.7
3 D	29.3	26.8	25.4	23.7	25.3	34.8	39.1	29.1	29.0	29.5	27.6	26.9	26.8	28.0	32.3	31.8	33.8	36.6	37.7	36.9	34.6	32.7	28.6	24.9	30.5
4	23.7	26.6	27.3	25.5	27.4	29.9	30.5	32.6	33.8	29.4	28.7	28.6	27.2	29.6	33.0	32.8	32.0	33.8	35.7	34.9	33.0	33.6	28.4	29.1	30.3
5	28.7	25.1	25.8	26.5	41.9	30.3	28.0	31.5	35.2	28.8	28.4	28.3	29.1	26.4	28.8	30.1	30.9	33.0	32.3	32.1	31.8	30.8	30.3	29.7	30.2
6 Q	29.2	28.5	29.2	29.4	29.4	30.0	30.5	30.1	29.7	29.6	29.5	29.6	29.2	28.5	28.2	29.7	32.1	33.2	32.3	30.9	31.0	30.9	30.6	29.7	30.0
7	28.5	28.8	29.2	29.7	29.8	30.0	29.7	29.7	29.5	29.7	28.3	27.6	28.8	28.7	27.9	29.4	30.9	32.3	31.9	30.9	29.8	29.5	29.6	29.1	29.6
8	29.1	29.3	29.2	29.8	31.9	31.4	30.0	29.4	31.0	28.8	29.0	28.2	28.3	27.2	28.7	30.1	32.3	33.7	34.1	33.0	31.4	30.2	29.6	29.2	30.2
9	28.8	28.8	28.3	28.4	28.4	28.9	28.8	28.3	33.9	27.9	26.1	29.2	29.4	27.4	28.7	32.0	34.6	33.8	33.3	33.8	33.7	31.9	31.0	30.1	30.2
10	23.9	25.6	26.9	27.8	28.3	27.5	29.1	28.7	26.9	27.5	28.3	28.0	30.3	30.6	30.3	33.7	33.7	31.9	30.5	30.5	30.4	29.8	29.3	28.7	29.0
11 Q	29.3	28.7	28.8	29.4	29.7	30.2	29.9	29.6	29.4	30.1	28.7	28.2	26.9	26.5	27.8	29.6	31.2	32.1	32.7	30.6	29.4	28.7	28.7	28.3	29.4
12 Q	27.8	27.8	28.4	28.8	29.6	29.9	30.0	30.0	29.8	27.9	27.6	28.4	28.4	27.5	26.9	29.0	31.6	33.8	33.7	32.3	31.1	31.1	29.8	29.0	29.6
13 Q	28.8	27.8	23.7	28.8	29.6	29.4	29.6	29.5	28.8	28.7	28.4	28.3	27.0	26.5	25.8	29.1	31.4	32.9	32.9	31.9	31.0	29.4	28.8	27.9	29.0
14	27.7	27.6	27.9	28.7	28.5	29.4	29.6	28.8	27.9	27.5	27.9	26.9	25.8	25.6	28.3	38.8	37.7	35.6	33.6	30.6	29.6	29.0	27.8	28.0	29.5
15	26.9	27.8	27.8	28.6	28.8	29.2	29.5	29.4	29.4	28.7	27.9	26.9	25.1	25.0	27.6	30.5	32.9	32.5	31.4	30.7	31.2	29.7	25.7	28.8	
16 D	25.0	26.4	27.3	28.5	29.7	26.7	28.2	28.5	37.4	43.1	27.8	24.7	37.5	41.5	37.2	39.7	41.4	38.7	39.1	36.5	33.7	26.0	24.7	23.9	32.2
17 D	20.7	21.5	21.9	28.9	29.0	29.7	26.6	31.3	29.5	28.8	46.2	43.4	41.1	31.5	28.0	31.0	34.4	33.3	35.9	33.3	31.0	29.8	25.6	15.9	30.3
18	26.1	25.6	18.6	29.7	26.1	31.5	34.7	29.2	33.0	35.6	29.7	28.3	28.5	26.7	32.5	35.2	37.0	36.4	35.0	31.6	28.8	28.8	28.6	27.7	30.2
19 D	27.7	28.3	16.8	27.3	28.0	27.6	27.9	26.5	28.2	29.7	31.4	30.1	31.5	30.7	29.8	32.0	35.5	41.3	42.1	33.8	31.2	24.9	26.4	27.7	29.9
20 D	11.0	12.6	25.0	25.3	35.0	29.9	29.4	38.3	31.1	27.1	33.1	36.3	29.8	30.5	34.3	36.8	37.2	35.1	31.4	31.2	29.7	31.1	27.8	27.8	29.9
21	16.9	23.5	27.4	28.4	28.5	29.9	30.8	29.3	33.1	31.2	29.7	30.4	33.2	28.0	26.5	27.7	29.8	31.6	30.8	30.8	29.0	30.5	21.4	24.0	28.4
22	24.0	22.6	26.9	23.9	29.3	30.8	28.9	29.4	29.9	37.8	33.2	29.9	29.8	29.4	26.2	29.7	33.2	33.5	31.8	31.1	29.8	28.7	26.9	22.0	29.1
23	27.1	27.1	27.5	26.0	27.0	28.4	28.8	28.7	31.6	36.6	33.5	32.1	33.5	28.3	26.8	28.0	29.9	32.2	32.7	32.5	31.6	30.5	29.4	28.0	29.9
24	27.0	26.0	26.1	23.7	26.6	29.0	30.2	30.1	32.2	30.3	29.1	28.5	27.8	25.0	25.3	28.4	31.5	32.9	31.4	30.3	29.4	28.7	28.1	27.5	28.5
25	27.3	27.8	26.9	26.0	26.9	27.5	28.4	29.1	28.0	31.5	34.1	31.3	27.0	25.9	25.9	27.7	30.8	33.2	33.7	31.7	29.9	28.7	29.4	28.7	29.1
26	25.8	23.6	27.2	27.7	28.2	30.0	32.7	31.7	28.9	29.7	33.2	33.2	35.3	33.2	31.5	33.5	36.7	36.5	36.1	35.2	34.2	30.8	27.8	27.7	31.2
27	27.6	27.7	27.7	26.0	27.2	30.0	29.7	28.8	28.2	27.7	28.1	28.7	28.0	26.2	27.1	30.0	32.2	33.1	32.5	31.2	29.1	28.2	28.2	28.5	28.8
28 Q	28.1	27.7	28.1	28.2	29.1	29.0	27.8	29.1	28.5	28.2	28.1	27.6	27.2	26.3	27.2	29.7	32.2	33.3	33.2	31.5	29.7	29.0	28.4	27.7	29.0
29	27.9	27.8	27.2	27.9	29.3	30.7	30.7	30.6	29.0	33.6	26.8	24.4	24.8	25.1	26.4	29.9	34.4	38.8	37.0	35.4	34.9	30.1	28.5	28.1	30.0
30	27.2	26.9	27.8	28.6	29.1	29.2	29.9	29.5	29.5	28.7	28.2	26.9	26.9	25.1	27.2	30.9	33.9	34.0	32.9	32.2	29.7	28.2	27.5	27.3	29.1
31	27.9	27.0	27.2	28.0	28.2	28.5	28.8	30.0	31.7	32.2	23.2	25.3	27.1	21.8	27.0	34.4	38.1	38.2	37.6	38.8	40.5	37.3	35.8	29.7	31.0
Mean	26.3	26.3	26.6	27.6	29.2	29.6	30.0	29.9	30.4	30.4	29.6	29.0	29.1	27.8	28.5	31.2	33.6	34.6	34.1	32.9	31.6	30.2	28.8	27.2	29.8

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

Table 47 Agincourt

$Z = 56,000 \gamma +$

December 1943

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	456	456	456	455	454	454	456	456	455	453	456	456	459	458	456	455	457	458	463	463	463	465	464	462	458
2	459	458	457	459	460	457	458	457	459	457	462	453	453	448	445	445	452	459	463	470	476	469	475	483	460
3 D	469	464	470	458	457	433	410	452	458	463	459	454	457	455	452	462	463	481	480	482	474	470	465	469	460
4	468	469	468	463	462	456	452	450	445	452	455	455	455	450	451	449	449	453	462	468	464	468	468	463	458
5	463	463	450	444	385	403	439	447	450	454	453	452	454	451	449	449	452	455	457	458	457	459	458	456	448
6 Q	456	456	454	454	453	453	455	455	456	453	455	453	455	453	450	444	444	450	454	455	455	456	455	455	454
7	453	453	452	452	452	453	452	452	451	451	450	449	449	449	448	442	446	449	450	455	454	452	452	452	451
8	451	450	450	449	445	444	450	450	448	444	446	445	445	445	443	440	443	445	450	451	451	451	451	450	447
9	450	450	451	448	444	449	444	444	449	445	448	447	445	443	443	441	449	448	449	450	454	453	455	457	448
10	456	457	455	454	451	448	449	451	452	448	451	448	445	440	440	438	440	443	445	446	446	446	445	445	448
11 Q	445	444	445	443	443	443	443	443	443	439	442	442	442	440	439	436	439	442	445	448	444	444	444	444	443
12 Q	442	442	442	442	443	444	444	444	444	442	442	442	442	442	440	437	439	442	443	443	442	442	443	444	442
13 Q	445	446	439	442	442	442	443	443	442	442	442	442	442	440	439	433	442	444	447	445	445	444	444	443	442
14	442	442	442	442	440	441	442	442	442	439	439	439	436	433	429	434	438	440	447	447	445	444	445	448	441
15	448	445	442	442	442	445	443	442	443	442	443	443	443	443	438	432	436	439	441	445	443	446	449	458	443
16 D	463	456	449	449	446	432	436	438	413	305	331	388	395	393	410	432	449	458	461	474	471	473	479	481	433
17 D	477	452	455	431	403	419	411	441	452	433	390	382	400	412	429	439	455	465	461	459	462	459	465	468	438
18	469	460	442	428	438	436	424	421	428	434	441	440	446	445	438	448	448	453	454	461	460	458	450	451	445
19 D	452	454	451	457	451	444	437	401	409	411	422	428	432	441	440	443	449	466	493	490	476	488	478	470	450
20 D	469	451	454	450	435	442	442	410	414	438	422	439	430	442	448	439	453	471	476	471	481	470	460	467	449
21	473	471	459	453	449	440	440	443	442	443	447	445	451	451	450	448	448	451	453	459	473	480	475	479	455
22	471	456	451	447	431	443	441	444	431	424	433	433	439	440	444	444	447	456	457	459	456	456	460	458	447
23	457	452	451	450	448	447	446	442	427	417	409	433	435	441	444	441	445	448	450	453	452	453	450	453	444
24	451	455	454	447	442	439	440	444	444	441	442	447	448	452	450	444	450	453	455	454	455	457	452	450	449
25	448	449	449	444	417	429	439	446	446	438	429	441	445	445	445	444	444	444	447	448	449	453	453	453	443
26	455	452	456	449	446	446	445	442	445	444	443	432	434	428	428	423	432	444	446	456	462	464	455	451	445
27	448	447	448	443	444	446	446	448	450	448	446	445	443	443	443	439	443	446	451	451	450	446	445	446	446
28 Q	447	447	446	444	445	445	439	446	446	444	443	442	443	444	442	443	445	446	450	450	447	445	444	444	445
29	444	444	445	446	446	445	445	445	444	432	433	440	446	447	447	445	449	452	455	455	454	451	451	451	447
30	449	447	443	441	443	443	444	444	444	444	443	442	443	443	444	441	443	443	445	444	443	443	441	441	443
31	442	442	443	443	444	443	443	441	434	419	414	428	431	422	424	431	434	445	449	452	461	470	493	496	444
Mean	455	453	451	448	442	442	442	443	442	437	436	439	442	441	442	441	446	451	455	457	457	457	457	458	447

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt

December 1943

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	22 07	337	16 39	289	48	17 20	37.0	13 12	23.8	13.2	22 05	475	15 40	452	23
2	18 55	341	16 35	252	89	16 55	43.2	23 25	20.7	22.5	23 11	499	15 45	437	62
3 D	06 07	324	14 35	232	92	06 18	46.6	03 45	20.0	26.6	19 28	495	05 59	390	105
4	20 47	320	14 28	261	59	08 03	39.9	00 30	21.1	18.8	01 02	475	08 07	438	37
5	02 28	327	04 53	263	64	04 34	50.7	01 16	20.6	30.1	00 05	464	04 50	344	120
6 Q	21 40	321	16 00	285	36	17 45	33.7	14 05	27.7	06.0	10 00	458	15 30	443	15
7	20 40	321	17 00	294	27	17 56	33.3	11 05	26.4	06.9	00 20	456	15 30	442	14
8	12 47	327	16 32	299	28	04 28	35.6	13 50	26.4	09.2	20 00	455	15 43	438	17
9	12 53	331	03 09	289	42	08 27	37.9	10 00	24.7	13.2	23 59	460	04 05	439	21
10	21 50	328	00 35	290	38	15 45	34.2	00 40	22.8	11.4	01 00	461	13 40	437	24
11 Q	21 00	321	16 15	294	27	18 00	33.0	13 17	25.9	07.1	19 15	449	16 00	436	13
12 Q	20 40	328	15 05	299	29	18 00	34.3	14 30	26.9	07.4	23 59	447	15 00	436	11
13 Q	20 50	320	16 20	290	30	17 45	33.3	02 13	21.0	12.3	18 50	448	02 45	431	17
14	12 38	325	15 02	259	66	15 45	43.1	12 46	24.2	18.9	20 45	452	14 00	421	31
15	20 15	320	16 00	280	40	17 45	33.3	23 58	21.4	11.9	23 55	463	16 00	432	31
16 D	10 40	344	08 55	208	136	08 52	57.4	10 58	19.7	37.7	23 20	485	09 20	283	202
17 D	04 20	354	16 45	234	120	10 40	53.3	04 05	03.4	49.9	01 05	500	11 08	343	157
18	02 50	368	16 09	259	109	09 15	38.4	02 40	02.3	36.1	00 01	475	07 15	412	63
19 D	06 18	316	18 00	222	94	17 53	48.6	02 15	13.4	35.2	19 10	503	10 07	379	124
20 D	12 06	318	17 09	234	84	16 49	44.4	00 45	-09.3	53.7	18 00	490	07 55	399	91
21	11 05	318	01 03	251	67	12 34	36.0	00 20	10.4	25.6	21 35	494	12 15	437	57
22	11 10	332	16 58	253	79	09 33	39.6	01 23	02.8	36.8	00 25	480	09 45	415	65
23	10 15	325	08 58	216	109	09 20	38.0	04 06	23.2	14.8	00 10	462	10 43	403	59
24	22 58	315	01 05	281	34	08 45	35.0	03 27	22.5	12.5	21 30	457	05 00	433	24
25	04 38	339	16 35	277	62	09 57	37.7	04 10	14.0	23.7	21 35	457	04 54	399	58
26	12 50	319	16 25	261	58	17 57	38.8	01 25	21.5	17.3	21 00	469	15 13	420	49
27	04 25	318	03 25	291	27	17 45	34.2	04 09	22.4	11.8	18 30	452	15 20	438	14
28 Q	20 33	328	16 00	288	40	17 40	34.2	06 10	25.1	09.1	10 02	453	06 30	435	18
29	21 43	317	16 35	278	39	17 20	39.2	12 55	24.1	15.1	19 00	458	09 38	422	36
30	11 15	325	14 25	281	44	17 05	35.3	13 25	23.7	11.6	00 15	450	10 15	438	12
31	20 58	328	23 10	258	70	20 03	41.8	13 35	20.6	21.2	22 46	517	10 05	407	110
Mean		328		267	61		39.4		19.1	20.3		470		416	54
No. days		31		31	31		31		31	31		31		31	31

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

Hour Month Season	U. T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 49 Agincourt HORIZONTAL INTENSITY (gammas) (All Days) 1943																								
January	+1	+2	0	-1	-2	-1	0	+2	+1	+2	+5	+9	+10	+6	0	-7	-15	-18	-12	-3	+5	+6	+6	+6
February	+5	+1	-1	-4	-2	-3	-3	-2	-2	+2	+4	+4	+7	+3	-4	-11	-15	-13	-6	+2	+6	+10	+9	+9
March	+7	+8	+2	0	-2	+1	+1	+1	+1	+2	+3	+5	+2	-3	-13	-23	-21	-14	-3	+7	+10	+12	+12	+7
April	+6	+2	-1	-2	-1	-5	-16	-8	+6	-3	-1	+1	-2	-8	-18	-19	-14	-3	+8	+17	+23	+21	+20	+14
May	+8	+3	-4	-4	-7	-7	-7	-4	-5	-4	-3	-5	-6	-16	-21	-21	-11	+2	+13	+22	+26	+24	+20	+11
June	+4	+3	+2	+4	0	-2	-2	-6	-2	-2	-5	-5	-8	-12	-19	-22	-18	+5	+9	+16	+19	+18	+16	+13
July	+7	+3	+1	0	+2	-1	-2	0	-6	-3	0	-1	-6	-16	-24	-27	-20	-8	+8	+12	+19	+22	+19	+16
August	+8	+4	+6	+1	+4	+2	-7	+1	-5	-11	-10	-11	-15	-23	-28	-28	-16	-2	+12	+21	+31	+32	+24	+16
September	+7	+5	+4	+4	+6	-9	-4	-2	-10	-9	-4	-10	-4	-12	-20	-20	-17	-3	+2	+17	+23	+17	+12	+9
October	+2	+1	+2	+2	+1	-3	-7	0	-3	-1	+6	+5	+3	-8	-13	-13	-14	-7	0	+8	+11	+8	+8	+7
November	+1	+4	+3	+2	+4	0	-3	-3	-3	+3	+6	+9	+5	-3	-10	-13	-13	-9	-2	+2	+3	+5	+4	+3
December	-3	+1	0	0	+3	+2	+1	+1	0	+3	+8	+10	+7	+2	-8	-14	-18	-10	-2	+2	+7	+8	+7	0
Year	+4.4	+3.1	+1.2	+0.2	+0.5	-2.2	-4.1	-1.7	-3.5	-1.8	+0.8	+0.9	-0.6	-7.5	-14.8	-17.9	-15.7	-7.4	+2.8	+10.2	+15.2	+15.2	+13.1	+9.2
Winter	+1.0	+2.0	+0.5	-0.8	+0.8	-0.5	-1.2	-0.5	-1.5	+2.5	+5.8	+8.0	+7.2	+2.0	-5.5	-11.2	-15.2	-12.5	-5.5	+0.8	+5.2	+7.2	+6.5	+4.5
Equinox	+5.5	+4.0	+1.8	+1.0	+1.0	-4.0	-6.5	-2.2	-4.5	-2.8	+1.0	+0.2	-0.2	-7.8	-16.0	-18.0	-15.5	-6.5	+3.2	+12.2	+16.8	+14.5	+13.0	+9.2
Summer	+6.8	+3.2	+1.2	+0.2	-0.2	-2.0	-4.5	-2.2	-4.5	-5.0	-4.5	-5.5	-8.8	-16.8	-23.0	-24.5	-16.2	-3.2	+10.5	+17.8	+23.8	+24.0	+19.8	+14.0

Table 50 Agincourt DECLINATION (minutes) (All Days) 1943																								
Hour Month Season	U. T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+1.7	+2.1	+2.6	+1.5	+1.6	+1.3	-0.6	-0.6	+0.5	0.0	-0.3	-1.3	+0.3	+1.7	+2.4	+1.5	-0.7	-2.4	-3.5	-3.6	-2.8	-1.4	-0.4	+0.6
February	-0.3	+1.2	+1.7	+2.0	+2.0	+0.9	+0.4	-0.5	+0.4	+0.5	+0.1	0.0	+2.4	+3.5	+3.5	+1.7	-0.9	-2.9	-4.0	-4.2	-3.1	-2.0	-1.1	-0.5
March	+0.7	+1.5	+1.4	+1.9	+2.1	+1.3	+0.9	+0.1	+0.8	+1.7	+2.1	+2.5	+4.1	+4.9	+4.3	+0.7	-2.9	-5.1	-5.9	-5.7	-5.1	-3.3	-2.0	-0.6
April	-0.2	+1.9	+3.7	+1.7	+1.6	+1.4	-0.2	+0.9	+1.6	+2.1	+2.5	+3.1	+4.3	+4.4	+2.2	-1.4	-3.9	-6.0	-6.2	-5.7	-4.3	-2.9	-1.4	-0.1
May	+1.6	+1.1	+1.6	+2.1	+2.2	+1.4	+0.4	+0.5	+0.7	+1.6	+2.9	+3.9	+5.2	+4.2	+1.5	-1.9	-4.0	-5.6	-6.0	-5.7	-3.9	-2.3	-0.8	-0.1
June	+0.4	+0.9	+0.5	+0.7	+0.9	+0.5	+1.2	+0.3	-0.3	+1.2	+1.8	+4.4	+5.7	+5.2	+3.7	-0.3	-3.6	-5.1	-5.5	-5.1	-4.0	-2.7	-1.0	-0.6
July	-0.3	+1.3	+2.7	+2.2	+1.6	+0.6	+0.1	+0.4	-0.3	0.0	+2.4	+5.0	+6.3	+5.9	+3.6	-0.4	-3.8	-6.0	-6.1	-6.0	-4.9	-2.5	-1.2	-0.7
August	+3.9	+4.7	+6.0	+3.1	+0.8	+0.3	-1.5	-1.2	-1.0	+0.2	+1.8	+3.6	+3.5	+2.9	-0.1	-4.7	-5.7	-6.1	-6.0	-5.0	-2.4	-0.4	+1.0	+2.7
September	+5.1	+6.1	+3.9	+2.4	+1.0	0.0	-0.3	+0.4	+0.4	-0.6	-0.9	-0.8	+2.3	+2.3	-0.3	-2.9	-4.7	-5.7	-5.5	-3.7	-2.2	+0.2	+2.2	+1.3
October	+4.0	+5.6	+3.4	+1.9	-0.7	+0.9	-2.0	-1.0	+1.1	+1.8	+0.5	-0.3	-1.3	-0.4	-0.9	-2.2	-3.6	-4.5	-4.4	-2.7	-0.9	-0.1	+1.1	+3.5
November	+3.9	+4.3	+4.0	+3.1	+2.1	+0.2	-1.7	-2.0	-3.5	-0.1	-0.4	-0.3	-0.9	-0.2	-0.6	-1.5	-2.6	-3.0	-3.1	-2.2	-1.0	+0.5	+1.0	+4.2
December	+3.5	+3.5	+3.2	+2.2	+0.6	+0.2	-0.2	-0.1	-0.6	-0.6	+0.2	+0.8	+0.7	+2.0	+1.3	-1.5	-3.8	-4.8	-4.3	-3.1	-1.8	-0.4	+1.0	+2.6
Year	+2.0	+2.9	+2.9	+2.1	+1.3	+0.8	-0.3	-0.2	0.0	+0.6	+1.1	+1.7	+2.7	+3.0	+1.7	-1.1	-3.4	-4.8	-5.0	-4.4	-3.0	-1.4	-0.1	+1.0
Winter	+2.2	+2.8	+2.9	+2.2	+1.6	+0.6	-0.5	-0.8	-0.8	0.0	-0.1	-0.2	+0.6	+1.8	+1.6	0.0	-2.0	-3.3	-3.8	-3.3	-2.2	-0.8	+0.1	+1.7
Equinox	+2.4	+3.8	+3.1	+2.0	+1.0	+0.9	-0.4	+0.1	+1.0	+1.2	+1.0	+1.1	+2.4	+2.8	+1.3	-1.4	-3.8	-5.4	-5.5	-4.4	-3.1	-1.5	0.0	+1.0
Summer	+1.4	+2.0	+2.7	+2.0	+1.4	+0.7	0.0	0.0	-0.2	+0.8	+2.2	+4.2	+5.2	+4.6	+2.2	-1.8	-4.3	-5.7	-5.9	-5.4	-3.8	-2.0	-0.5	+0.3

Table 51 Agincourt VERTICAL INTENSITY (gammas) (All Days) 1943																								
Hour Month Season	U. T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+9	+7	+4	+4	+3	-1	-6	-6	-8	-11	-11	-10	-6	-3	-3	-5	-3	+1	+5	+9	+12	+12	+9	+7
February	+12	+12	+9	+7	+2	-3	-5	-7	-8	-5	-7	-7	-2	-2	-5	-8	-7	-2	+1	+5	+6	+7	+7	+9
March	+15	+14	+5	+4	-1	-2	-10	-15	-17	-15	-15	-7	-3	-2	-3	-5	-3	-1	+1	+5	+12	+18	+20	+17
April	+19	+16	+2	-3	-3	-13	-19	-20	-16	-16	-13	-8	-7	-4	-3	-3	-2	+1	+4	+10	+14	+15	+18	+20
May	+20	+11	-1	-7	-16	-22	-28	-24	-11	-5	-5	-5	-4	-2	-3	0	+4	+9	+15	+22	+25	+26	+26	+19
June	+20	+15	+7	-6	-12	-17	-15	-21	-22	-11	-8	-7	-5	-4	-1	0	+2	+4	+9	+13	+17	+17	+20	+19
July	+18	+15	+7	0	-5	-19	-28	-29	-23	-15	-10	-3	-1	-2	0	0	+2	+3	+6	+13	+19	+22	+21	+20
August	+30	+19	-2	-25	-26	-33	-47	-37	-29	-30	-26	-19	-19	-8	0	+3	+9	+15	+22	+32	+40	+47	+40	+41
September	+23	+13	0	-13	-21	-26	-32	-23	-25	-23	-21	-20	-9	-3	+1	+6	+9	+13	+20	+25	+25	+30	+30	+28
October	+18	+10	+8	0	-16	-14	-26	-29	-25	-20	-18	-11	-5	-3	+2	+3	+5	+9	+12	+18	+21	+21	+22	+21
November	+13	+9	+5	-3	-10	-14	-22	-22	-23	-16	-13	-10	-7	-4	0	0	+3	+8	+11	+17	+18	+17	+16	+15
December	+8	+6	+2	+1	-5	-5	-5	-4	-5	-10	-11	-8	-5	-6	-5	-6	-1	+4	+8	+10	+10	+10	+10	+11
Year	+17.1	+12.2	+3.8	-3.4	-9.2	-14.1	-20.2	-19.8	-18.1	-15.2	-13.2	-9.6	-6.2	-3.8	-1.6	-1.5	+1.0	+4.8	+8.6	+14.0	+17.7	+20.1	+19.9	+19.5
Winter	+10.5	+8.5	+5.0	+2.2	-2.5	-5.8	-9.5	-9.8	-11.0	-10.5	-10.5	-8.8	-5.0	-3.8	-3.2	-4.8	-2.0	+2.8	+6.2	+10.2	+11.5	+11.5	+10.5	+10.5
Equinox	+18.8	+13.2	+3.8	-3.0	-10.2	-13.8	-21.8	-21.8	-20.8	-18.5	-16.8	-11.5	-6.0	-3.0	-0.8	+0.2	+2.2	+5.5	+9.2	+14.5	+18.0	+21.0	+22.5	+21.5
Summer	+22.0	+15.0	+2.8	-9.5	-14.8	-22.8	-29.5	-27.8	-22.5	-16.8	-12.2	-8.5	-7.5	-4.5	-0.8	0.0	+2.8	+6.0	+10.2	+17.2	+23.5	+27.8	+26.5	+26.5

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

HORIZONTAL INTENSITY (gammas) (Quiet Days) 1943

Hour Month Season	U. T.																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+6	+2	+2	-2	-3	-2	-1	-1	+1	+3	+5	+6	+4	+3	-2	-12	-17	-15	-9	-2	+6	+10	+9	+6
February	+3	+4	+2	+1	+1	+3	+6	+5	+3	+4	+7	+9	+9	+3	-4	-17	-22	-20	-13	-4	+2	+6	+7	+6
March	+5	+3	0	0	+3	+1	+1	+3	+4	+6	+7	+7	+4	-3	-13	-21	-22	-15	-5	+5	+9	+6	+6	+6
April	+6	+6	+4	+3	+1	+2	+4	+5	+5	+4	+4	+3	-2	-10	-20	-27	-20	-13	-5	+5	+12	+14	+11	+9
May	+2	0	+2	-1	-1	0	+1	+2	+1	+3	+4	+1	-6	-15	-22	-22	-16	-3	+7	+14	+16	+14	+10	+5
June	+2	+4	+4	+2	+2	+3	+2	+1	+1	+1	-1	-2	-6	-11	-18	-20	-14	-4	+4	+6	+12	+13	+10	+6
July	+7	+6	+4	+1	+3	+2	+3	+2	+1	0	0	-1	-10	-22	-31	-30	-18	-3	+9	+16	+19	+17	+14	+9
August	-1	+1	+2	+7	+9	+6	+6	+4	+1	-1	-1	-2	-11	-20	-24	-22	-13	-5	+4	+11	+19	+14	+11	+6
September	+2	+3	+2	+1	+3	+2	+2	+3	+3	+4	+3	0	-4	-12	-20	-22	-19	-7	+5	+14	+18	+12	+5	+2
October	+2	+2	0	+1	+2	+2	+2	+1	+2	+4	+6	+6	0	-7	-13	-17	-15	-9	-2	+5	+9	+7	+5	+6
November	+2	+4	+3	+2	+1	+2	0	+2	+2	+4	+4	+5	+2	-5	-10	-16	-16	-9	0	+3	+6	+5	+5	+4
December	+1	+1	0	0	-2	-2	0	0	+2	+4	+5	+4	+2	-2	-10	-16	-16	-7	+1	+6	+9	+6	+6	+4
Year	+3.1	+3.0	+2.1	+1.2	+1.6	+1.6	+2.2	+2.2	+2.2	+3.0	+3.6	+3.0	-1.5	-8.4	-15.6	-20.2	-17.3	-9.2	-0.3	+6.8	+11.4	+10.7	+8.3	+5.9
Winter	+3.0	+2.8	+1.8	+0.2	-0.8	+0.2	+1.2	+1.5	+2.0	+3.8	+5.2	+6.0	+4.2	-0.2	-6.5	-15.2	-17.8	-12.8	-5.2	+0.8	+6.8	+7.2	+6.8	+5.5
Equinox	+3.8	+3.5	+1.5	+1.2	+2.2	+1.8	+2.2	+3.0	+3.5	+4.5	+5.0	+4.0	-0.5	-8.0	-16.5	-21.8	-19.0	-11.0	-1.8	+7.2	+12.0	+10.2	+6.8	+5.8
Summer	+2.5	+2.8	+3.0	+2.2	+3.2	+2.8	+3.0	+2.2	+1.0	+0.8	+0.5	-1.0	-8.2	-17.0	-23.8	-23.5	-15.2	-3.8	+6.0	+12.2	+16.5	+14.5	+11.2	+6.5

DECLINATION (minutes) (Quiet Days) 1943

Hour Month Season	U. T.																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+0.9	+1.3	+1.0	+1.0	+1.0	+0.8	+0.5	0.0	-0.3	+0.5	+0.8	+0.7	+0.8	+1.9	+3.0	+1.8	-0.6	-2.3	-3.7	-3.8	-3.2	-1.8	-0.5	+0.4
February	0.0	0.0	+0.3	+0.8	+0.6	0.0	-0.2	-0.2	+0.6	+0.6	+0.9	+1.0	+2.7	+3.5	+3.7	+2.1	-0.2	-2.3	-3.6	-4.1	-3.3	-1.9	-0.8	-0.2
March	-0.3	+0.4	+1.1	+1.1	+0.8	+0.9	+0.7	+0.7	+0.9	+1.3	+1.7	+2.8	+3.8	+5.1	+4.5	+1.3	-1.8	-4.7	-5.8	-5.2	-4.0	-2.4	-1.6	-1.0
April	-0.5	-0.6	-0.6	-0.2	+0.1	+0.3	+0.5	+0.6	+1.2	+1.7	+2.5	+4.0	+5.1	+5.4	+4.1	+1.2	-1.8	-4.0	-5.1	-4.8	-4.0	-2.8	-1.2	-0.9
May	-0.5	-0.4	+0.3	+1.1	+0.5	+0.3	+0.1	+0.8	+1.2	+2.2	+3.4	+5.1	+6.0	+4.6	+2.5	-0.9	-2.7	-5.3	-5.9	-5.3	-3.8	-2.1	-0.9	-0.5
June	-0.3	-0.2	+0.1	+0.4	+0.6	+0.3	+1.0	+0.5	+1.0	+1.9	+4.0	+6.0	+6.4	+5.5	+3.2	-0.8	-4.0	-6.0	-6.1	-5.5	-4.2	-2.6	-1.1	-0.4
July	-0.9	-0.6	+0.7	-0.1	0.0	-0.2	-0.8	0.0	+0.6	+1.9	+4.0	+6.5	+6.3	+5.7	+2.7	-1.1	-3.8	-5.3	-5.3	-4.1	-2.8	-1.3	-0.5	-0.8
August	+1.2	+0.2	0.0	+0.1	+1.0	-0.6	-1.5	-0.6	+1.0	+1.7	+3.0	+5.2	+6.2	+5.1	+2.7	-1.3	-3.4	-5.0	-5.3	-4.9	-2.9	-1.6	-0.6	+0.1
September	+0.5	+0.4	-0.5	+0.2	-0.6	-1.6	0.0	+1.2	+2.1	+2.4	+2.4	+3.6	+4.7	+4.6	+2.2	-0.7	-3.3	-4.5	-5.0	-4.1	-2.3	-1.0	-0.4	-0.2
October	+0.7	+1.0	+0.5	+0.5	+0.2	0.0	+0.4	+0.6	+0.5	+1.5	+2.0	+2.5	+3.4	+3.5	+2.4	+0.1	-2.6	-4.3	-4.9	-3.6	-2.2	-1.2	-0.6	-0.1
November	+0.6	+0.9	+0.5	+0.3	+0.6	-0.2	-0.4	0.0	+0.5	+1.0	+0.8	+1.3	+1.8	+2.6	+2.4	+0.5	-1.7	-3.2	-3.2	-2.4	-1.4	-0.9	-0.5	+0.2
December	+1.0	+1.5	+1.9	+0.6	+0.1	-0.2	-0.1	-0.2	+0.2	+0.6	+1.0	+1.0	+1.6	+2.3	+2.2	-0.1	-2.4	-3.8	-3.7	-2.2	-1.2	-0.6	0.0	+0.7
Year	+0.2	+0.3	+0.4	+0.5	+0.4	0.0	0.0	+0.3	+0.8	+1.4	+2.2	+3.2	+4.0	+4.2	+3.0	+0.2	-2.4	-4.2	-4.8	-4.2	-2.9	-1.7	-0.7	-0.2
Winter	+0.6	+0.9	+0.9	+0.7	+0.6	+0.1	0.0	-0.1	+0.2	+0.7	+0.9	+1.0	+1.7	+2.6	+2.8	+1.1	-1.2	-2.9	-3.6	-3.1	-2.3	-1.3	-0.4	+0.3
Equinox	+0.1	+0.3	+0.1	+0.4	+0.1	-0.1	+0.1	+0.8	+1.2	+1.7	+2.2	+3.2	+4.2	+4.6	+3.3	+0.5	-2.4	-4.4	-5.2	-4.4	-3.1	-1.8	-1.0	-0.6
Summer	-0.1	-0.2	+0.3	+0.4	+0.5	0.0	-0.3	+0.2	+1.0	+1.9	+3.6	+5.4	+6.2	+5.2	+2.8	-1.0	-3.5	-5.4	-5.6	-5.0	-3.4	-1.9	-0.8	-0.4

VERTICAL INTENSITY (gammas) (Quiet Days) 1943

Hour Month Season	U. T.																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
January	+1	0	+1	+3	0	-1	0	0	0	0	-1	0	-1	-2	-6	-5	-2	0	+4	+4	+3	+2	+1	
February	+2	+3	+4	+3	+2	-1	-2	-2	-1	-1	-2	-4	-4	-4	-5	-6	-4	0	+3	+5	+5	+3	+2	
March	+5	+3	+3	+2	-1	-2	-1	-1	-2	-2	-1	0	0	-2	-4	-5	-4	-3	-2	0	+2	+4	+6	
April	+2	+2	0	0	0	0	0	0	0	0	0	-1	-1	-2	-5	-7	-4	-3	-1	+2	+4	+4	+5	+4
May	+4	+4	0	-4	-2	-2	-3	-4	-3	0	0	-1	-2	-4	-3	-3	-3	-1	0	+3	+6	+7	+7	+6
June	+5	+4	+2	0	-2	-2	-2	0	0	+2	+3	+2	+2	0	-2	-3	-6	-6	-8	-3	-1	+4	+6	+6
July	+1	+1	0	-5	-5	-7	-7	-6	-1	+1	+2	+2	+1	-2	-1	0	-1	0	0	+4	+6	+6	+6	+2
August	+8	+6	-3	-7	-7	-7	-5	-7	-4	-1	+1	+1	0	0	+1	+1	0	0	+2	+4	+4	+4	+6	
September	+6	+3	+4	+3	+2	-5	-4	-5	-4	-2	-1	0	-1	-1	-3	-4	-4	-4	-2	0	+3	+3	+6	+10
October	+3	+2	+2	+1	0	0	0	-1	-2	-3	-3	-1	0	0	-2	-4	-6	-3	+1	+1	+4	+4	+4	+4
November	+2	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	-4	-3	-2	0	+3	+3	+3	+3	+3
December	+1	+1	0	-1	-1	0	0	+1	+1	-1	-1	-1	0	-1	-3	-6	-2	+1	+3	+3	+2	+1	+1	+2
Year	+3.3	+2.4	+1.1	-0.6	-1.2	-2.3	-2.1	-2.2	-1.4	-0.7	-0.2	-0.4	-0.4	-1.4	-2.4	-3.9	-3.4	-1.9	-0.5	+2.0	+3.5	+4.2	+4.3	+4.4
Winter	+1.5	+1.0	+1.2	+0.8	0.0	-0.8	-0.8	-0.5	-0.2	-0.8	-1.0	-1.8	-1.0	-1.5	-2.5	-5.5	-3.5	-0.8	+1.5	+3.8	+3.5	+3.0	+2.2	+2.0
Equinox	+4.0	+2.5	+2.2	+1.5	+0.2	-1.8	-1.2	-1.8	-2.0	-1.8	-1.2	-0.5	-0.5	-1.2	-3.5	-5.0	-4.2	-3.2	-1.0	+0.8	+3.2	+3.8	+5.0	+6.0
Summer	+4.5	+3.8	-0.2	-4.0	-4.0	-4.5	-4.2	-4.2	-2.0	+0.5	+1.5	+1.0	+0.2	-1.5	-1.2	-1.2	-2.5	-1.8	-2.0	+1.5	+3.8	+5.8	+5.8	+5.2

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
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HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 55 Agincourt

1943

January	-7	0	+9	+6	+4	+1	-3	+4	+2	-2	0	+16	+22	+9	0	0	-13	-26	-26	-7	+9	-3	-2	+6
February	+16	+6	+3	-9	-8	-12	-17	-20	-12	+3	-3	-4	+16	+10	-1	-8	-10	-9	-6	+4	+9	+16	+14	+17
March	+19	+21	+2	-9	-26	-11	-20	-11	-9	-1	+3	+2	+2	-10	-17	-28	-16	-12	-5	+20	+13	+39	+42	+18
April	+19	+4	-9	-12	-6	-34	-101	-46	-40	-23	-13	-4	+2	+9	0	-6	+5	+12	+29	+42	+48	+48	+46	+30
May	+24	+8	-22	-23	-33	-42	-36	-19	-23	-16	-21	-9	+2	-14	-25	-18	+2	+21	+32	+40	+44	+54	+47	+27
June	+4	+8	+9	+13	-4	-5	-4	-13	-9	-7	-12	-8	-10	-15	-19	-23	-23	-9	+14	+21	+24	+25	+23	+20
July	+12	+9	+2	-1	+3	-13	-2	-7	-19	-8	-2	-3	-3	-4	-20	-30	-24	-11	+10	+11	+21	+33	+26	+21
August	+20	+25	+22	-8	+28	+6	-2	+12	-22	-21	-39	-36	-38	-42	-62	-62	-13	+24	+46	+70	+76	+31	+29	
September	+16	+18	+2	-4	+7	-45	-13	-22	-34	-38	-2	-32	-2	-2	-9	+7	+6	+11	+17	+29	+34	+16	+19	+20
October	+8	+8	+10	+8	+11	+1	-38	-11	-34	-17	+4	+15	+12	-16	-26	-11	-17	-7	+5	+20	+22	+18	+21	+15
November	+1	+8	+7	-6	+4	-11	-29	-10	-25	+2	+8	+6	+7	+11	-5	-12	-5	0	+8	+5	+6	+12	+17	+3
December	-8	+1	-4	+5	+15	+9	+2	+6	+4	+6	+7	+16	+9	+2	-10	-17	-27	-26	-13	-2	+7	+11	+11	-3
Year	+10.3	+9.7	+2.6	-3.3	-0.4	-13.0	-21.9	-11.4	-18.4	-10.2	-5.8	-3.4	+1.6	-5.2	-16.2	-17.3	-13.7	-5.8	+7.4	+19.1	+25.6	+28.8	+24.6	+16.9
Winter	+0.5	+3.8	+3.8	-1.0	+3.8	-3.2	-11.8	-5.0	-7.8	+2.2	+4.5	+8.5	+13.5	+8.0	-4.0	-9.2	-13.8	-15.2	-9.2	0.0	+7.8	+9.0	+10.0	+5.8
Equinox	+15.5	+12.8	+1.2	-4.2	-3.5	-22.2	-43.0	-22.5	-29.2	-19.8	-3.5	-4.8	+3.5	-4.8	-13.0	-9.5	-5.5	+1.0	+11.5	+27.8	+29.2	+30.2	+32.0	+20.8
Summer	+15.0	+12.5	+2.8	-4.8	-1.5	-13.5	-11.0	-6.8	-18.2	-13.0	-18.5	-14.0	-12.2	-18.8	-31.5	-33.2	-21.8	-3.0	+20.0	+29.5	+39.8	+47.0	+31.8	+24.2

DECLINATION (minutes) (Disturbed Days)

Table 56 Agincourt

1943

January	+4.0	+5.0	+5.9	+5.1	+4.4	+3.7	-2.9	-0.7	+3.8	+0.5	-4.4	-10.0	-3.7	+0.3	+1.3	+0.7	-0.5	-3.0	-3.6	-3.7	-3.3	-1.3	+0.6	+1.8
February	-2.8	+1.4	+2.8	+3.9	+5.9	+3.4	+1.1	-2.1	+1.1	+2.9	-1.9	-4.3	-3.9	+5.0	+3.7	+1.6	-1.2	-3.4	-4.3	-5.3	-3.7	-3.1	-2.5	-2.1
March	+1.7	+4.0	+1.9	+2.2	+5.3	+1.6	+2.4	-3.2	-2.5	-2.1	+0.6	+3.4	+5.3	+4.9	+3.7	+0.6	-3.0	-4.0	-5.5	-6.3	-7.1	-2.1	-1.8	0.0
April	+0.5	+7.4	+7.4	+3.0	+3.7	+3.2	-1.5	+0.6	+1.9	+1.0	+0.7	-1.1	-0.2	+3.5	+2.8	-2.0	-4.0	-6.9	-6.4	-6.2	-4.8	-3.5	-1.6	+2.2
May	+6.1	+1.8	+2.3	+5.3	+2.8	-0.5	-2.4	+2.0	-1.5	+1.2	-0.8	-0.8	+3.7	+4.4	-0.5	-4.7	-5.6	-5.4	-5.7	-5.2	-2.8	+0.2	+3.1	+3.0
June	+0.2	+0.6	+0.3	+1.6	+2.8	+2.8	+4.7	+2.6	-0.5	-1.0	-1.5	+3.6	+4.4	+4.0	+3.0	-0.2	-3.9	-4.8	-5.2	-5.2	-4.1	-1.6	-1.0	-1.3
July	+1.1	+3.1	+8.3	+4.7	+2.8	-2.4	-1.2	+1.1	-4.2	-1.4	-2.3	+1.4	+2.6	+5.1	+5.0	+2.4	-1.7	-5.2	-4.3	-5.8	-6.7	-2.6	-1.0	+0.1
August	+10.1	+9.7	+18.2	+9.8	-1.1	+2.8	+0.9	+4.4	-3.0	-1.5	-5.9	-4.5	-7.4	-2.3	-4.7	-14.6	-9.5	-6.5	-5.2	-4.1	+1.3	+4.5	+1.6	+7.0
September	+8.9	+12.1	+7.7	+4.6	+5.5	+1.7	+4.5	-2.0	-4.3	-8.8	-6.9	-12.1	-6.3	-2.6	-4.7	-6.2	-5.3	-4.8	-3.6	-0.3	+0.8	+5.8	+12.0	+4.3
October	+10.7	+10.4	+4.4	+3.2	-5.5	+3.4	-2.5	-4.5	-2.3	+2.0	-3.7	-0.2	+0.2	-2.5	-5.6	-5.3	-5.3	-4.6	-4.2	-3.5	+0.8	+1.2	+1.3	+11.0
November	+8.4	+8.7	+7.3	+7.3	+7.8	+3.4	-3.5	-3.7	-13.8	-0.8	-2.1	-5.8	-9.9	-2.8	-2.7	-4.5	-2.2	-1.4	-2.0	-1.3	-1.0	+1.4	0.0	+13.2
December	+9.0	+8.5	+8.3	+4.7	+2.0	+1.5	+0.9	+0.3	-0.2	-0.8	-2.5	-1.7	-2.8	-2.1	-2.0	-4.1	-6.4	-7.0	-7.4	-4.6	-2.4	+0.6	+2.8	+5.3
Year	+4.8	+6.1	+6.2	+4.6	+3.0	+2.1	0.0	-0.4	-2.1	-0.7	-2.6	-2.7	-0.8	+1.2	0.0	-3.0	-4.0	-4.8	-4.8	-4.3	-2.8	0.0	+1.1	+3.7
Winter	+4.6	+5.9	+6.1	+5.2	+5.0	+3.0	-1.1	-1.6	-2.3	+0.4	-2.7	-5.4	-3.1	+0.1	+0.1	-1.6	-2.6	-3.7	-4.4	-3.7	-2.6	-0.6	+0.2	+4.6
Equinox	+5.4	+8.5	+5.4	+3.2	+2.2	+2.5	+0.7	-2.3	-1.8	-2.0	-2.3	-2.5	-0.2	+0.8	-1.0	-3.2	-4.4	-5.1	-4.9	-4.1	-2.6	+0.4	+2.5	+4.4
Summer	+4.4	+3.8	+7.3	+5.4	+1.8	+0.7	+0.5	+2.5	-2.3	-0.7	-2.6	-0.1	+0.8	+2.8	+0.8	-4.3	-5.2	-5.5	-5.1	-5.1	-3.1	+0.1	+0.7	+2.2

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 57 Agincourt

1943

January	+24	+22	+6	+6	+4	-2	-20	-23	-27	-29	-36	-38	-29	-14	-8	-3	-4	+5	+17	+27	+39	+39	+24	+20
February	+41	+39	+30	+17	+4	+1	-12	-23	-23	-14	-20	-27	-11	-9	-11	-13	-14	-10	-5	+3	+8	+10	+12	+28
March	+40	+52	+12	+14	-6	-9	-39	-41	-42	-40	-52	-17	-6	-7	-8	-8	-7	-9	-4	+5	+32	+48	+45	+45
April	+55	+48	-10	-11	0	-38	-52	-58	-66	-62	-46	-33	-24	0	+10	+14	+16	+18	+22	+31	+43	+43	+48	+52
May	+49	+30	-38	-32	-64	-83	-106	-55	-39	-42	-22	-15	-5	+8	+12	+17	+22	+27	+40	+52	+57	+62	+62	+62
June	+35	+21	+2	-14	-32	-43	-34	-46	-37	-41	-25	-18	-7	-6	+3	+7	+9	+16	+26	+32	+38	+39	+39	+35
July	+35	+36	+21	+10	-4	-59	-65	-82	-71	-41	-33	-6	+2	+2	+4	+7	+11	+14	+22	+34	+43	+44	+40	+37
August	+63	+52	-8	-97	-69	-51	-79	-44	-42	-89	-114	-90	-85	-29	+2	+7	+27	+46	+66	+88	+124	+132	+89	+98
September	+45	+31	+6	-45	-51	-58	-65	-56	-77	-74	-47	-57	-30	-8	+5	+23	+33	+39	+51	+66	+63	+83	+71	+52
October	+34	+12	+25	+8	-53	-42	-84	-89	-90	-60	-50	-10	+2	+6	+19	+24	+28	+40	+43	+44	+52	+47	+51	+43
November	+33	+28	+11	-12	-31	-34	-61	-57	-84	-53	-28	-26	-18	0	+13	+19	+23	+28	+31	+48	+47	+44	+38	+41
December	+22	+11	+12	+4	-6	-11	-18	-17	-16	-36	-41	-28	-23	-18	-11	-4	+7	+21	+27	+28	+25	+24	+22	+23
Year	+39.7	+31.8	+5.8	-12.7	-25.7	-35.8	-52.9	-49.2	-51.2	-48.4	-42.8	-30.4	-19.5	-6.2	+2.5	+7.5	+12.6	+19.6	+28.0	+38.2	+47.6	+51.2	+45.1	+44.7
Winter	+30.0	+25.0	+14.8	+3.8	-7.2	-11.5	-27.8	-30.0	-37.5	-33.0	-31.2	-29.8	-20.2	-10.2	-4.2	-0.2	+3.0	+11.0	+17.5	+26.5	+29.8	+29.2	+24.0	+28.0
Equinox	+43.5	+35.8	+8.2	-8.5	-27.5	-36.8	-60.0	-61.0	-68.8	-59.0	-48.8	-29.2	-14.5	-2.2	+6.5	+13.2	+17.5	+22.0	+28.0	+36.5	+47.5	+55.2	+53.8	+48.0
Summer	+45.5	+34.8	-5.8	-33.2	-42.2	-59.0	-71.0	-56.8	-47.2	-53.2	-48.5	-32.2	-23.8	-6.2	+5.2	+9.5	+17.2	+25.8	+38.5	+51.5	+65.5	+69.2	+57.5	+58.0

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

Table 1 Agincourt

H = 15,000 γ +

January 1944

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	287	295	293	293	299	304	303	297	297	305	314	310	308	298	254	254	295	302	306	305	296	311	306	294	297	
2	297	300	301	300	300	298	302	300	303	306	306	306	306	306	296	283	288	295	301	306	306	311	314	311	302	
3 Q	306	310	308	303	307	306	305	306	307	307	311	309	290	300	290	289	293	302	307	311	316	316	314	316	306	
4 Q	314	310	311	308	311	311	309	312	311	312	312	314	316	311	298	290	301	309	312	318	323	322	322	322	312	
5	285	301	299	301	298	313	301	296	304	308	313	316	316	313	303	283	287	300	307	311	311	311	311	311	304	
6 Q	311	313	313	312	311	311	312	312	312	313	311	312	311	311	312	305	301	304	308	311	314	315	316	316	311	
7 Q	310	315	315	316	314	312	310	314	314	314	317	317	320	317	309	302	298	302	308	315	322	326	327	322	314	
8	320	321	318	315	319	317	315	312	312	312	322	324	322	317	316	301	300	315	318	319	319	321	322	320	317	
9	313	300	309	318	320	320	322	322	322	322	323	320	317	317	308	301	301	312	322	320	322	322	317	304	316	
10	312	315	315	315	317	318	317	317	322	322	325	324	320	320	317	306	301	310	320	329	326	335	290	265	315	
11 D	301	305	288	260	304	306	303	303	298	295	306	319	317	310	301	286	268	241	268	302	301	299	301	295	295	
12	294	301	314	309	313	323	309	291	283	307	320	304	306	315	295	271	295	299	299	305	312	319	319	312	305	
13 D	268	296	310	300	307	296	307	294	291	303	329	325	317	301	299	289	282	278	283	281	293	310	294	309	299	
14 D	309	299	296	304	304	303	304	299	309	302	304	310	306	286	283	277	268	233	283	307	306	308	310	302	297	
15 D	283	306	304	291	306	309	306	309	312	314	317	316	310	310	300	265	281	287	288	278	281	292	269	291	297	
16 D	294	294	302	307	319	312	302	299	312	307	309	324	315	306	269	273	264	260	283	295	307	312	299	294	298	
17	283	299	306	300	308	306	291	296	300	312	304	303	310	315	288	286	281	283	298	307	294	308	316	312	300	
18	312	309	308	304	306	304	310	317	309	322	334	321	309	305	304	281	258	281	294	296	301	313	312	310	305	
19	313	307	302	310	307	308	312	309	306	317	317	319	319	313	306	289	276	291	296	307	317	322	310	303	307	
20	313	312	306	310	310	313	312	317	319	317	315	322	322	313	305	286	289	291	298	309	320	307	307	318	310	
21	316	306	309	303	312	317	314	314	315	315	317	317	317	313	301	289	293	294	299	305	315	320	319	316	310	
22	304	296	310	310	313	322	320	313	316	322	323	322	322	317	314	305	300	300	307	310	312	318	319	319	313	
23	316	311	308	305	309	309	311	312	313	320	321	323	321	317	311	298	297	302	311	316	318	316	326	312	313	
24	316	316	316	314	316	314	316	319	319	318	318	317	318	317	317	302	298	316	315	319	319	321	326	327	316	
25	326	326	323	321	318	316	319	321	321	324	322	319	323	319	314	321	311	311	316	317	321	316	314	319	319	
26	319	319	318	318	319	321	322	323	326	324	322	328	329	334	329	316	303	309	318	313	316	311	291	299	318	
27	297	299	311	308	306	301	305	304	298	301	316	321	314	313	311	300	295	301	316	316	324	324	321	314	309	
28	311	303	321	319	318	311	316	312	312	316	316	319	321	316	310	305	307	311	313	312	308	319	320	322	314	
29	319	312	311	311	311	313	317	318	316	312	316	317	318	312	302	293	296	299	309	318	321	321	321	321	313	
30 Q	317	317	316	307	308	313	316	316	316	318	321	317	316	311	307	300	299	301	312	319	321	324	326	326	314	
31	322	321	313	312	315	316	314	317	322	324	327	324	326	318	307	282	277	294	306	311	312	321	316	309	313	
Mean	306	308	309	307	311	311	311	309	310	313	317	317	316	312	303	291	290	295	304	309	312	316	312	310	308	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7° W + . . . ' /

January 1944

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	26.2	25.5	26.1	26.9	27.9	29.2	29.6	29.2	30.1	35.4	28.9	27.2	24.4	23.2	36.7	45.9	41.0	37.3	36.9	37.8	35.4	33.3	32.5	29.8	31.5
2	28.3	26.3	27.9	28.0	28.1	29.1	29.1	29.2	29.3	30.1	29.6	29.2	27.8	25.4	25.4	28.5	30.0	31.5	32.5	32.7	32.3	30.4	29.1	28.5	29.1
3 Q	27.3	27.8	28.1	28.6	28.8	29.0	29.2	29.8	28.9	28.7	28.9	28.1	26.8	26.3	26.7	28.5	30.1	32.0	33.3	31.9	30.6	29.6	28.9	28.9	29.1
4 Q	28.6	28.0	28.1	27.6	28.2	27.3	28.6	29.2	29.1	29.0	28.3	28.0	27.7	26.8	26.2	28.7	31.4	33.2	33.3	33.2	32.3	30.7	31.4	32.3	29.4
5	27.7	26.4	27.7	26.2	29.8	30.5	27.9	28.3	33.6	31.8	27.8	28.6	26.8	25.4	26.3	32.3	36.0	34.5	31.9	30.7	30.8	30.7	29.5	28.6	29.5
6 Q	28.4	28.4	28.3	28.4	28.6	29.2	29.2	29.2	29.4	29.4	29.7	28.7	28.2	28.1	26.4	28.1	29.9	30.7	32.7	33.3	33.5	32.8	33.6	30.1	29.7
7 Q	28.3	27.4	27.8	28.7	28.1	28.1	28.9	29.2	29.0	28.3	29.1	28.7	28.3	26.9	27.4	29.6	30.7	32.1	32.9	32.4	31.9	30.1	29.3	28.5	29.3
8	28.3	28.1	28.3	27.7	28.3	29.6	28.9	29.2	30.6	29.7	29.9	29.9	27.8	26.3	27.4	31.2	34.2	35.0	33.7	31.8	30.5	29.0	28.7	28.8	29.7
9	28.1	25.1	25.3	28.1	28.8	29.3	29.2	29.2	29.0	28.7	28.4	28.8	28.9	27.4	26.4	30.2	32.8	34.1	32.8	31.6	30.6	30.1	29.9	29.8	29.3
10	28.3	28.0	27.8	28.3	28.7	28.7	28.8	29.8	28.3	26.9	27.2	28.4	28.3	27.0	27.0	29.2	31.4	33.4	33.8	31.6	31.0	28.8	31.9	28.3	29.2
11 D	27.5	26.2	25.3	27.9	37.6	29.4	30.2	30.6	30.0	35.6	33.4	28.4	27.3	27.5	28.5	33.8	36.2	39.3	32.8	34.5	32.0	28.8	27.9	26.5	30.7
12	26.9	25.7	26.5	28.4	34.4	36.2	30.9	33.0	38.2	31.8	28.2	29.8	33.9	30.4	30.0	38.9	41.2	35.3	34.8	31.2	30.4	28.8	27.9	28.4	31.7
13 D	25.5	20.0	24.0	26.2	26.2	30.2	36.4	32.0	39.9	38.2	31.2	32.0	32.0	36.6	25.5	28.5	31.5	34.8	35.7	33.0	30.3	28.9	24.4	27.2	30.5
14 D	28.5	25.2	19.9	25.4	28.8	38.4	30.3	31.0	30.3	34.4	42.7	33.4	26.6	28.2	30.0	30.2	30.2	37.5	34.7	34.7	33.8	30.0	28.8	26.9	30.8
15 D	15.5	20.7	18.3	19.5	30.1	32.4	38.4	33.7	31.3	31.2	29.4	30.1	30.9	26.7	25.8	32.6	31.3	33.7	34.8	34.5	31.6	33.5	22.3	28.1	29.0
16 D	27.3	17.0	27.1	26.9	29.2	29.8	31.2	39.0	34.6	36.5	38.3	34.5	30.8	26.7	28.3	31.0	37.3	35.8	36.7	36.2	32.9	31.3	30.3	26.7	31.5
17	21.9	24.5	25.4	25.7	23.9	25.8	35.9	31.8	31.0	29.2	30.4	34.0	35.4	29.2	29.0	30.4	31.9	33.6	33.1	33.6	34.0	31.6	30.8	29.5	30.1
18	28.6	28.1	27.1	25.6	23.6	27.1	33.6	32.9	33.0	40.4	44.7	30.9	29.4	26.6	25.2	29.1	32.3	34.6	37.1	35.6	31.7	30.3	28.6	25.6	30.8
19	27.4	28.3	21.7	26.4	27.7	28.6	31.0	32.9	36.8	31.5	29.8	29.4	28.9	27.7	28.3	30.1	34.0	33.9	34.6	33.6	32.5	31.0	29.5	26.6	30.1
20	29.0	29.2	27.6	27.0	27.1	29.6	33.1	35.9	30.8	29.5	32.2	33.0	30.3	28.8	24.3	30.6	32.2	36.5	37.4	34.8	34.8	33.5	29.8	30.1	31.1
21	29.1	27.7	27.4	25.5	31.0	29.9	30.8	30.7	30.8	31.2	31.4	29.8	29.2	27.3	27.6	29.3	31.4	32.8	33.2	33.6	31.9	30.6	29.7	29.5	30.0
22	29.0	27.7	28.2	28.1	28.4	30.1	29.3	30.5	32.0	30.4	29.3	29.0	28.6	27.7	26.5	28.4	31.3	32.8	33.8	33.6	32.2	30.9	30.0	29.3	29.8
23	29.1	28.6	28.1	26.4	28.5	30.7	31.3	31.9	31.0	32.1	31.3	29.1	28.1	27.0	26.7	28.0	30.2	31.7	32.8	32.8	31.9	31.2	30.5	29.9	29.9
24	29.1	29.2	28.4	29.2	29.7	30.1	30.8	32.3	31.7	28.3	28.7	28.4	27.5	25.8	26.9	30.4	34.5	36.3	32.3	30.6	29.7	29.5	29.3	29.1	29.9
25	28.3	28.2	27.9	28.4	28.7	29.4	29.5	29.7	29.4	29.1	28.6	28.3	28.6	28.4	30.0	33.6	34.0	34.1	33.0	32.8	32.2	32.2	31.3	30.0	30.2
26	29.5	29.1	29.1	29.5	29.6	29.8	30.1	30.1	29.6	29.3	29.4	28.6	27.3	24.7	24.1	25.6	29.0	32.3	35.1	34.6	34.7	34.0	32.7	32.0	30.1
27	31.3	29.1	30.4	27.7	28.1	29.5	28.7	29.6	31.8	30.2	27.7	25.7	28.3	26.8	27.7	30.9	32.7	35.4	35.9	36.9	36.9	33.3	30.4	30.4	30.8
28	30.0	25.9	29.5	28.9	29.4	28.6	27.7	29.5	27.1	27.7	26.4	29.3	28.3	26.1	26.4	28.6	31.3	32.2	34.0	33.1	33.0	31.7	30.7	29.9	29.4
29	29.3	28.7	28.4	27.8	29.3	29.6	30.0	29.1	28.6	29.5	27.7	27.7	28.0	25.4	27.0	31.0	33.0	34.8	34.6	34.0	33.1	32.2	30.3	29.7	29.9
30 Q	29.2	28.7	28.6	26.6	28.3	29.4	29.2	29.3	29.2	29.2	28.3	28.5	27.6	27.0	26.0	28.1	31.0	33.0	33.2	33.2	32.4	31.4	30.5	29.7	29.5
31	28.4	28.5	27.8	27.6	27.9	28.7	29.2	30.0	29.5	29.2	28.6	28.4	26.9	25.1	23.2	26.8	32.1	35.6	36.5	38.5	37.7	36.4	34.8	33.7	30.5
Mean	27.7	26.7	26.9	27.2	28.8	29.8	30.6	30.9	31.2	31.1	30.6	29.6	28.7	27.2	27.2	30.6	32.8	34.3	34.3	33.6	32.6	31.2	29.9	29.2	30.1

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

Table 3 Agincourt

z = 56,000 γ +

January 1944

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	469	457	450	447	443	441	442	442	433	439	440	443	443	441	438	436	441	441	438	448	450	454	455	461	446
2	459	458	454	453	448	449	449	450	449	449	449	448	445	447	441	445	451	451	451	451	454	450	449	448	450
3 Q	446	447	446	444	445	443	443	444	444	443	443	443	442	441	440	440	443	443	444	444	443	444	444	444	443
4 Q	440	444	446	444	443	442	443	443	442	440	440	440	440	440	437	435	440	440	439	441	441	439	440	445	441
5	460	468	465	447	445	429	436	440	437	420	432	440	440	437	432	435	440	446	449	447	443	443	442	443	442
6 Q	440	441	441	440	441	440	440	440	440	437	437	437	440	438	436	427	432	435	435	440	442	443	446	446	439
7 Q	447	447	443	441	437	436	438	439	440	440	440	440	440	435	433	432	432	437	440	439	439	437	436	435	439
8	433	434	435	435	434	433	434	433	431	422	419	416	418	422	418	419	428	432	434	434	435	435	435	435	429
9	434	437	438	437	435	435	435	434	431	431	431	429	431	428	422	425	428	428	430	431	434	434	434	435	432
10	436	436	435	434	431	431	431	429	432	431	432	429	431	429	426	424	425	428	434	434	435	435	461	491	435
11 D	460	445	443	424	363	416	427	417	421	407	394	425	433	434	430	417	429	459	474	453	451	451	447	447	432
12	446	445	441	434	403	397	412	401	376	405	423	421	428	427	421	441	438	440	444	446	440	440	438	439	427
13 D	450	445	444	435	428	411	403	399	374	381	403	412	423	421	433	430	428	435	440	451	463	457	449	450	428
14 D	447	445	438	438	433	415	412	415	421	410	395	400	417	421	424	423	439	451	463	453	446	445	445	448	431
15 D	450	438	426	423	426	428	404	417	432	432	432	429	432	433	430	429	443	443	449	463	468	472	471	465	439
16 D	455	446	440	436	422	426	420	402	409	409	411	417	420	426	427	435	435	445	447	446	444	444	446	451	432
17	451	447	440	435	423	408	417	396	426	432	423	423	434	432	431	437	436	439	444	444	447	449	443	443	433
18	441	440	437	434	426	429	429	423	423	405	381	400	422	434	437	429	437	448	447	449	456	450	443	449	432
19	442	438	435	431	432	431	429	427	431	431	433	431	433	431	431	426	433	443	434	438	439	438	435	438	433
20	437	436	436	433	432	432	428	415	422	427	429	430	426	425	425	421	431	434	435	436	439	442	446	439	432
21	436	436	436	430	422	425	431	431	431	431	430	431	431	431	428	425	425	431	431	434	436	436	431	432	431
22	433	439	439	434	432	423	425	425	431	431	431	431	431	430	429	422	425	429	433	434	436	436	436	435	431
23	435	433	435	435	434	426	426	429	432	423	423	427	431	432	430	428	434	436	434	436	437	437	437	439	432
24	441	435	433	430	431	430	430	424	421	424	427	428	430	428	424	421	424	427	427	430	429	430	430	427	428
25	428	424	426	425	426	425	427	429	427	427	426	424	424	424	422	422	424	425	427	426	430	430	431	430	426
26	430	426	427	427	427	427	425	426	424	426	424	425	424	422	417	412	418	421	427	430	438	454	449	456	428
27	454	453	441	434	435	435	433	432	430	424	424	424	427	432	429	427	430	437	431	434	435	438	438	434	434
28	437	442	438	432	432	430	424	424	430	432	430	427	430	428	425	421	425	427	428	431	431	433	433	432	430
29	432	437	440	438	435	432	430	429	428	426	427	429	433	435	432	431	431	434	434	435	434	436	433	433	433
30 Q	434	435	434	434	435	434	434	432	431	429	429	429	431	429	429	426	432	432	434	434	434	434	434	434	432
31	435	436	434	432	431	429	429	429	429	430	429	429	430	430	427	420	427	429	432	432	437	440	441	443	431
Mean	443	442	439	435	430	429	428	426	426	425	425	427	431	431	429	427	432	437	439	440	441	442	442	443	434

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 4 Agincourt

January 1944

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	12 36	316	14 40	235	81	15 57	48.5	13 33	20.3	28.2	00 01	480	08 59	426	54
2	22 15	316	15 45	281	35	18 02	33.7	14 25	24.6	09.1	00 01	460	14 30	440	20
3 Q	20 05	319	14 29	287	32	18 32	33.3	14 33	25.1	08.2	01 00	447	14 30	436	<u>11</u>
4 Q	20 06	326	15 27	287	39	17 11	33.6	14 23	25.0	08.6	23 50	446	14 55	435	<u>11</u>
5	05 12	321	01 00	268	53	08 56	39.3	01 03	18.2	21.1	01 00	476	09 14	414	62
6 Q	23 26	320	17 29	298	<u>22</u>	22 16	34.2	14 20	26.1	08.1	23 30	448	15 24	426	22
7 Q	21 35	331	16 05	296	<u>35</u>	18 00	33.4	13 32	25.5	07.9	01 00	450	15 22	430	20
8	11 25	327	16 16	296	31	17 27	35.5	04 15	25.2	10.3	21 10	435	11 50	413	22
9	10 00	326	23 26	295	31	17 11	34.7	02 26	22.9	11.8	23 50	438	14 50	422	16
10	21 55	<u>348</u>	23 04	232	116	22 38	34.6	23 15	22.4	<u>12.2</u>	23 10	514	15 15	422	92
11 D	11 29	322	17 55	216	106	09 54	<u>50.1</u>	03 25	21.4	28.7	17 55	497	04 25	<u>326</u>	<u>171</u>
12	05 20	334	15 20	260	74	16 16	45.3	02 05	24.4	20.9	00 26	447	08 33	359	88
13 D	11 00	335	01 03	228	107	09 00	49.8	01 16	<u>-09.9</u>	<u>59.7</u>	01 11	492	09 05	352	140
14 D	20 11	330	17 50	<u>206</u>	<u>124</u>	10 39	45.8	02 31	14.7	31.1	18 00	476	10 35	379	97
15 D	02 10	330	20 05	<u>246</u>	84	06 25	41.9	00 25	12.8	29.1	22 04	485	07 04	396	89
16 D	04 00	335	17 10	246	89	09 58	45.8	01 10	07.0	38.8	00 58	459	10 05	396	63
17	05 01	331	00 35	270	61	16 56	40.4	00 43	16.4	24.0	00 45	456	06 20	384	72
18	10 27	341	16 15	249	92	10 12	49.0	04 55	21.3	27.7	20 20	461	10 50	374	87
19	21 02	328	16 25	271	57	08 35	39.4	02 26	18.8	20.6	17 24	446	07 49	423	23
20	11 50	329	15 56	278	51	07 00	39.4	14 36	23.1	16.3	22 25	449	07 25	409	40
21	22 00	322	15 24	288	34	19 20	33.7	03 38	24.1	09.6	00 10	438	05 00	416	22
22	10 00	326	01 10	283	43	19 19	34.5	01 13	25.5	09.0	01 40	439	15 45	421	18
23	22 18	331	15 55	294	37	09 40	34.5	03 27	24.5	10.0	23 45	444	10 00	415	29
24	23 00	329	16 35	291	38	17 21	37.7	13 53	24.2	13.5	00 01	442	08 00	418	24
25	15 30	328	17 05	306	<u>22</u>	15 28	36.5	12 53	27.4	09.1	21 55	432	15 40	418	14
26	13 18	336	22 20	285	51	21 08	38.5	14 55	20.8	17.7	21 14	459	14 56	407	52
27	20 35	330	00 53	290	40	20 09	39.1	13 52	24.6	14.5	01 35	455	10 25	418	37
28	03 00	327	01 25	293	34	20 31	34.7	06 28	23.8	10.9	01 35	445	06 36	410	35
29	21 14	325	15 25	287	38	17 53	35.6	13 50	24.0	11.6	02 03	441	09 58	421	20
30 Q	23 05	327	03 10	297	30	18 20	33.3	03 26	25.5	<u>07.8</u>	19 00	438	15 00	423	15
31	09 57	328	17 00	269	59	20 04	39.4	14 15	22.1	17.3	23 57	443	15 30	420	23
Mean		328		272	56		38.9		21.0	17.9		456		408	48
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 1944

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	306	307	309	312	308	311	311	313	313	316	318	316	315	313	311	303	299	302	303	309	319	323	321	320	312	
2	317	316	312	312	308	311	311	312	319	316	317	319	316	315	310	300	299	303	309	312	321	323	318	319	312	
3 Q	316	317	316	311	312	316	316	316	319	318	318	322	323	322	320	306	301	302	307	311	316	326	328	328	316	
4	326	323	317	312	312	312	313	321	321	326	325	329	329	326	322	306	301	302	307	311	316	326	328	328	320	
5	324	322	321	319	316	321	323	322	322	324	329	329	329	333	332	320	314	313	312	312	320	326	319	311	321	
6	316	318	322	319	316	321	326	323	326	326	324	327	327	331	321	307	311	311	313	314	324	329	329	331	321	
7 D	328	329	327	328	327	324	327	309	309	298	316	324	301	301	283	293	290	278	289	297	288	262	290	297	305	
8 D	276	293	289	289	283	292	295	290	293	294	294	298	294	285	291	287	281	289	303	304	283	277	307	310	292	
9 D	310	310	308	307	307	307	315	279	296	295	301	307	294	274	291	294	295	292	301	300	311	315	318	312	301	
10	293	293	288	288	296	287	287	285	289	287	278	293	293	284	283	277	278	291	296	299	310	313	314	307	292	
11	297	292	299	310	304	292	301	282	295	284	302	317	316	300	297	281	293	297	305	310	315	316	305	299	300	
12	298	301	292	302	300	297	307	308	305	305	307	311	312	297	296	301	299	302	313	313	315	320	320	313	306	
13	312	310	307	310	309	306	305	304	310	310	310	307	305	299	300	292	286	298	312	320	326	328	325	266	307	
14 D	312	310	271	269	238	194	126	183	181	181	263	318	317	285	292	282	284	289	297	298	302	312	316	313	268	
15 D	300	288	289	309	297	301	301	300	302	296	300	295	285	296	297	287	280	271	282	289	298	304	300	311	295	
16	311	307	311	308	304	304	294	300	306	304	301	312	310	312	306	301	295	295	298	301	307	311	317	311	305	
17	304	311	309	310	312	310	311	310	313	312	315	316	317	308	305	305	299	300	305	311	310	310	315	315	309	
18 Q	312	310	309	309	308	314	313	314	314	314	309	311	315	309	303	301	304	305	311	317	318	318	319	319	311	
19	316	314	314	312	311	311	314	314	315	317	314	312	319	316	314	305	303	303	308	312	317	316	315	319	313	
20	319	318	318	317	317	320	322	322	320	319	317	303	310	286	312	325	306	290	280	289	310	306	322	301	311	
21	307	305	304	302	309	298	299	303	299	299	309	314	309	303	299	299	307	309	306	307	307	309	307	313	305	
22	310	303	305	307	306	304	304	300	304	304	309	306	309	309	308	307	310	316	320	319	321	318	312	315	310	
23	315	314	311	308	310	313	314	309	313	317	318	317	314	314	310	305	308	311	313	318	323	321	316	316	314	
24 Q	316	313	314	318	319	314	314	314	315	315	318	318	316	313	313	312	310	308	313	320	318	323	323	323	316	
25 Q	318	317	316	310	313	312	311	311	311	313	315	315	313	306	301	297	300	304	311	320	326	329	325	324	313	
26	324	323	321	319	316	316	315	312	312	316	319	320	320	314	310	300	299	302	309	318	326	327	322	325	316	
27 Q	323	321	319	316	318	316	315	320	319	319	319	316	313	308	305	302	308	313	320	324	326	329	326	326	317	
28	319	321	320	322	324	323	324	321	322	324	325	328	327	328	311	306	306	310	318	324	331	330	329	328	321	
29	328	327	329	328	327	327	315	319	318	317	314	310	312	310	304	307	302	307	309	322	317	314	320	328	317	
30																										
31																										
Mean	313	312	310	310	308	307	305	304	307	306	311	315	313	307	305	301	299	301	307	311	315	316	318	315	309	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 6 Agincourt

D = 7° W + . . . ' .

February 1944

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	32.2	30.0	27.0	28.2	28.5	29.6	29.7	30.5	30.2	30.2	29.6	28.8	28.5	26.9	25.3	27.8	30.3	32.3	33.9	34.6	34.6	33.3	32.3	31.5	30.2
2	30.1	28.7	27.8	27.7	27.8	26.9	26.4	28.9	32.4	26.8	27.8	27.5	28.2	26.5	25.6	26.9	29.1	31.2	32.1	33.0	33.9	34.3	33.8	31.4	29.4
3 Q	29.6	29.1	29.1	29.0	29.6	29.4	29.5	30.0	29.9	29.6	30.3	29.4	28.4	27.3	26.3	27.3	28.5	30.0	31.4	30.9	30.6	30.1	29.6	29.2	29.3
4	28.9	28.7	28.2	27.0	27.2	27.7	27.9	28.6	29.2	29.2	28.5	29.9	29.3	26.9	26.7	27.7	29.8	31.2	31.6	31.9	31.5	31.2	31.1	29.3	29.1
5	29.5	28.8	28.9	29.2	28.9	29.6	28.6	28.9	29.3	29.2	28.9	28.8	27.7	26.0	24.3	26.1	28.8	30.7	33.5	34.9	33.9	32.4	30.7	29.4	29.5
6	30.1	29.4	28.9	28.8	28.4	29.2	30.2	29.7	30.2	29.7	29.5	29.2	28.8	27.1	25.5	27.9	30.0	30.4	30.6	30.6	30.5	30.2	29.8	29.4	29.3
7 D	28.8	28.4	27.9	28.9	28.9	28.9	24.7	24.6	25.5	31.0	38.5	26.0	42.2	47.5	42.5	36.7	32.8	34.3	32.3	33.5	31.9	20.5	28.3	32.1	31.5
8 D	14.3	17.7	28.7	28.7	24.5	27.7	24.2	26.2	31.5	31.1	30.9	28.0	28.1	31.3	30.9	32.4	34.4	34.7	32.5	34.7	32.2	25.8	30.4	28.9	28.8
9 D	28.8	29.0	29.4	29.9	28.9	27.7	30.7	23.9	31.6	31.0	35.3	35.7	40.3	40.7	36.0	32.6	31.3	35.0	33.4	32.4	29.8	29.7	29.2	29.4	31.8
10	28.5	27.8	25.1	25.1	24.7	27.6	35.8	33.0	31.4	28.2	33.9	30.2	29.0	27.6	28.0	30.2	33.0	33.9	36.8	32.6	30.8	29.7	29.2	28.6	30.0
11	26.1	21.4	17.8	24.4	28.7	30.4	31.7	33.2	34.9	40.8	36.8	32.2	28.9	24.0	24.0	28.5	28.0	30.1	31.7	32.2	31.7	28.6	28.6	28.0	29.3
12	27.0	25.3	20.7	21.3	27.6	30.5	32.6	32.2	28.8	27.0	28.7	30.8	30.0	31.4	33.9	29.5	31.4	32.2	34.0	32.3	30.7	28.9	28.4	28.4	29.3
13	28.8	28.8	28.8	29.0	29.1	29.7	29.7	36.3	32.6	31.4	28.1	27.7	27.1	27.1	26.0	30.2	33.1	36.3	36.7	35.3	32.1	29.4	32.7	26.1	30.5
14 D	29.7	19.2	24.8	34.0	16.0	16.6	32.0	42.4	35.0	48.5	34.1	27.0	30.4	39.5	33.1	32.2	33.5	34.3	34.5	33.5	31.3	28.7	29.5	29.5	31.2
15 D	30.8	27.6	23.3	28.8	26.3	30.0	32.4	31.9	29.5	33.4	33.1	37.8	39.3	36.6	29.8	29.5	32.6	34.1	33.9	35.4	32.5	31.0	25.1	28.9	31.4
16	29.9	26.5	29.9	28.6	27.8	28.8	31.6	36.3	31.4	30.1	32.6	30.6	27.9	27.9	28.6	30.8	31.5	33.1	34.2	33.6	32.3	30.9	30.2	28.1	30.6
17	26.7	28.2	28.6	29.5	29.6	29.9	30.6	30.3	30.9	29.8	28.8	28.7	28.6	29.0	30.3	31.0	32.6	32.4	32.7	32.5	31.5	30.8	30.3	30.6	30.1
18 Q	29.7	29.7	29.1	30.1	29.9	29.9	29.8	30.0	29.7	30.3	30.6	31.2	29.5	27.8	26.7	28.5	30.9	33.2	34.1	33.1	30.9	30.2	30.4	30.5	30.2
19	30.0	29.9	29.8	29.1	29.1	29.6	30.0	29.9	30.7	30.7	27.3	28.0	27.1	26.8	28.0	29.2	30.3	30.7	31.4	30.5	29.6	29.6	30.1	30.1	29.5
20	30.1	29.8	29.7	29.7	29.1	29.2	29.1	28.8	28.0	29.2	25.4	22.5	25.9	34.7	41.8	31.8	31.4	34.3	35.6	36.9	37.3	34.1	34.2	27.8	31.1
21	30.0	32.7	29.2	28.3	26.9	26.8	28.2	28.5	27.7	29.2	33.2	28.2	27.4	26.8	27.3	30.9	30.9	31.9	32.1	32.5	32.8	31.6	31.5	31.5	29.9
22	30.8	27.3	29.5	30.0	29.5	29.4	27.9	27.3	27.4	27.8	27.1	27.6	27.3	27.4	28.2	29.7	31.5	32.3	32.2	31.2	30.4	30.4	30.8	30.7	29.3
23	30.4	30.1	28.5	27.2	30.5	30.9	32.3	31.3	29.6	29.6	29.0	28.6	29.2	27.7	26.3	29.2	33.1	36.0	37.0	35.2	32.6	31.1	30.1	29.6	30.6
24 Q	29.7	29.8	29.8	30.0	29.6	28.8	29.1	28.5	27.8	28.2	28.8	28.6	27.9	28.0	29.1	31.1	33.2	34.1	34.6	34.3	33.3	31.8	30.5	30.2	30.2
25 Q	29.1	29.7	29.9	29.9	30.0	30.0	29.5	29.5	28.8	27.3	27.3	27.6	26.4	25.8	27.2	30.2	32.8	34.2	34.6	34.2	32.4	31.0	30.6	30.4	30.0
26	30.4	29.6	29.6	30.0	29.9	29.7	29.1	28.7	28.8	29.2	29.5	26.9	26.1	25.2	26.2	28.5	31.0	32.6	33.3	34.2	33.3	33.0	31.7	30.5	29.8
27 Q	30.5	30.2	29.1	28.7	29.0	29.3	29.3	29.2	28.8	28.8	27.8	28.1	27.4	26.5	27.2	29.3	31.8	33.3	33.3	32.3	31.0	30.6	29.7	29.9	29.6
28	29.7	29.4	29.0	27.6	29.3	29.7	30.1	29.5	29.5	30.5	28.3	27.2	26.1	26.2	27.3	29.9	31.7	33.3	35.3	35.6	34.3	32.5	31.0	30.2	30.2
29	29.4	29.0	28.8	29.0	29.3	27.4	27.3	29.7	28.7	28.1	25.3	23.8	24.1	23.9	24.4	29.0	32.0	34.7	36.0	35.2	35.3	33.5	31.0	30.2	29.3
30																									
31																									
Mean	28.9	28.0	27.8	28.5	28.1	28.6	29.6	30.3	30.0	30.6	30.2	28.8	29.2	29.3	28.8	29.8	31.4	33.0	33.6	33.4	32.2	30.5	30.4	29.7	30.0

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

Table 7 Agincourt

Z = 56,000 γ +

February 1944

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	446	447	446	439	437	435	434	433	434	433	432	431	431	429	426	426	429	431	434	434	436	434	434	432	434	434
2	432	433	434	435	426	426	429	426	412	419	426	427	429	430	423	421	423	426	428	433	434	435	436	436	436	428
3 Q	433	434	435	433	433	431	431	430	428	428	429	429	428	428	425	423	425	428	430	431	430	429	428	429	429	429
4	428	428	427	428	431	432	432	428	428	426	425	424	422	423	422	422	422	425	428	429	431	430	429	428	427	427
5	428	427	428	428	427	420	419	422	425	426	425	423	422	423	421	416	419	425	425	424	428	429	430	432	425	425
6	430	429	428	426	425	425	422	422	423	424	426	428	426	425	422	422	428	428	425	423	424	426	425	425	425	425
7 D	424	424	423	423	422	419	398	398	405	374	363	400	383	387	379	398	425	436	443	447	465	469	455	465	418	418
8 D	462	441	447	441	419	407	418	418	429	424	424	429	433	425	428	427	430	434	435	437	450	460	440	435	433	433
9 D	432	432	430	430	428	412	386	383	401	415	415	399	406	417	428	430	434	439	436	440	439	434	433	432	422	422
10	434	434	434	429	421	431	422	421	427	404	431	431	432	434	436	442	439	440	448	441	440	436	436	436	432	432
11	438	441	429	422	421	415	420	374	399	397	401	407	410	424	427	422	430	431	433	435	438	438	432	438	422	422
12	439	437	431	418	427	427	418	405	417	421	421	425	428	428	432	427	427	427	428	433	436	437	432	432	427	427
13	427	426	426	427	427	427	426	414	415	423	423	424	426	426	424	423	426	427	428	429	429	430	435	449	426	426
14 D	439	451	431	391	342	338	231	268	262	265	345	398	411	420	425	439	431	434	438	437	441	437	433	433	389	389
15 D	434	439	433	426	423	425	427	426	426	423	410	411	420	438	431	428	432	437	445	449	450	449	443	439	432	432
16	431	430	430	427	428	420	414	414	418	419	420	420	423	424	420	420	421	426	428	427	427	428	428	428	424	424
17	425	427	429	427	429	426	427	426	425	426	425	425	426	427	424	422	420	423	423	427	427	429	428	426	426	426
18 Q	427	426	427	427	427	426	426	425	426	426	424	421	421	423	423	418	414	423	428	433	430	428	423	423	425	425
19	420	420	422	422	422	421	421	422	415	410	407	414	416	415	416	416	416	419	425	425	425	422	422	422	419	419
20	422	420	420	420	419	419	419	419	416	411	387	399	409	409	413	415	416	419	425	433	438	433	437	451	419	419
21	446	451	436	429	407	408	422	425	421	419	416	417	420	422	420	419	416	416	416	420	426	430	433	432	424	424
22	430	431	432	434	432	429	429	425	428	429	426	426	426	423	424	422	422	422	423	425	425	425	423	425	426	426
23	425	425	426	426	426	425	417	412	419	425	425	425	424	421	422	413	416	420	423	423	425	425	425	426	422	422
24 Q	426	426	427	425	419	422	425	425	425	425	424	422	420	419	420	419	420	425	426	426	427	428	427	426	424	424
25 Q	425	426	425	428	427	426	425	423	424	423	422	424	425	420	419	416	422	425	427	429	430	426	425	422	425	425
26	423	425	425	425	424	422	416	420	422	419	416	419	419	419	416	413	413	418	419	419	422	422	419	420	420	420
27 Q	421	424	424	423	424	421	421	419	418	418	418	418	421	418	414	412	415	416	418	419	419	421	420	419	419	419
28	421	422	421	421	420	419	419	419	419	418	418	418	415	412	410	406	409	415	418	415	414	414	415	418	416	416
29	415	414	414	414	408	388	390	412	409	409	412	412	414	409	403	398	403	407	409	412	415	421	424	419	409	409
30																										
31																										
Mean	430	430	428	426	421	418	413	412	414	414	414	418	420	421	420	419	422	425	427	430	431	432	430	431	423	423

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 8 Agincourt

February 1944

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 54	325	17 30	295	30	19 57	39.6	02 37	25.3	14.3	01 02	449	15 20	423	26
2	21 23	327	04 07	291	36	08 11	36.7	05 30	24.8	11.9	22 15	439	08 25	406	33
3 Q	23 34	329	17 00	298	31	21 20	31.5	14 17	25.7	05.8	03 52	436	15 20	422	14
4	21 28	331	17 47	301	30	19 33	33.1	14 14	23.6	09.5	05 40	433	14 50	419	14
5	13 35	334	17 20	307	27	19 44	35.6	14 16	23.4	12.2	23 00	432	15 40	412	20
6	23 38	332	17 00	307	25	06 18	31.6	14 40	24.9	06.7	00 30	431	06 40	419	12
7 D	11 55	336	17 38	235	101	13 06	57.5	21 25	13.3	44.2	23 59	498	10 10	335	163
8 D	17 17	312	21 12	271	41	17 48	35.0	12 52	03.3	31.7	00 04	481	05 26	389	92
9 D	03 18	326	13 10	256	70	13 28	45.0	07 16	17.6	27.4	20 05	445	07 06	362	83
10	22 15	318	10 25	264	54	06 33	41.1	04 08	20.5	20.6	19 40	451	10 25	393	58
11	12 06	327	07 35	263	64	09 38	46.7	01 45	07.1	39.6	01 39	445	07 55	358	87
12	22 24	328	02 35	275	53	07 07	40.2	02 56	12.1	28.1	00 50	442	07 10	398	44
13	22 05	333	23 30	236	97	07 22	39.3	23 38	20.8	18.5	23 45	458	07 38	403	55
14 D	01 47	351	07 05	078	273	09 50	63.2	01 40	02.4	60.8	01 34	503	06 55	164	339
15 D	20 46	316	17 48	253	63	12 23	41.2	01 55	14.2	27.0	20 46	453	12 11	400	53
16	23 10	321	06 46	283	38	07 05	40.4	01 32	21.7	18.7	00 01	435	07 11	405	30
17	02 01	319	16 50	294	25	19 00	33.2	00 28	26.0	07.2	00 30	429	15 30	418	11
18 Q	20 00	320	16 04	300	20	18 00	34.4	14 50	26.2	08.2	19 30	433	16 01	414	19
19	13 00	319	17 18	298	21	08 56	33.3	10 58	26.0	07.3	19 50	425	10 10	407	18
20	14 48	337	18 15	275	62	14 33	45.9	11 02	17.8	28.1	23 40	469	11 00	368	101
21	00 55	316	06 00	283	33	01 14	35.9	00 01	21.6	14.3	01 25	455	04 30	396	59
22	20 18	327	04 00	299	28	18 07	32.6	01 45	25.4	07.2	03 00	436	15 30	420	16
23	20 40	326	15 10	304	22	18 13	37.1	03 10	25.5	11.6	23 36	428	15 35	410	18
24 Q	03 57	327	17 25	305	22	18 13	34.9	13 45	27.1	07.8	01 00	429	04 05	418	11
25 Q	21 50	329	15 25	297	32	18 32	35.1	13 15	25.5	09.6	20 30	430	15 25	416	14
26	21 28	328	16 02	297	31	19 20	33.8	13 45	24.7	09.1	00 15	425	06 20	413	12
27 Q	21 15	328	15 00	297	31	18 17	34.2	13 10	26.2	08.0	02 10	425	15 15	412	13
28	21 50	337	16 20	303	34	19 40	36.1	14 04	25.1	11.0	03 25	423	15 45	406	17
29	04 55	342	14 33	297	45	18 00	36.4	13 57	22.4	14.0	21 42	424	05 18	380	44
30															
31															
Mean		328		278	50		38.6		20.7	17.9		444		393	51
No. days		29		29	29		29		29	29		29		29	29

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

Table 9 Agincourt

H = 15,000 γ +

March 1944

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	323	323	318	302	300	301	298	310	317	317	318	317	315	312	307	302	304	312	319	323	329	329	328	322	314
2	307	306	308	314	318	309	312	312	309	309	312	313	307	299	306	307	302	306	309	314	305	318	317	318	310
3 Q	318	312	309	309	309	312	314	318	318	318	318	321	318	315	312	310	307	308	314	320	325	327	325	325	316
4	328	333	333	312	310	307	302	284	295	296	317	327	296	326	312	297	288	292	302	305	310	312	296	299	308
5	307	304	299	299	301	304	307	308	312	312	311	312	310	305	296	285	294	299	304	310	317	319	322	317	307
6	306	295	295	311	296	302	311	313	303	280	292	308	304	308	297	298	295	307	296	292	297	318	307	316	302
7 D	306	306	287	315	306	307	295	306	306	314	311	313	298	301	262	230	287	301	304	312	313	317	318	295	300
8	304	308	313	314	306	326	311	309	312	316	313	308	287	302	304	291	281	275	275	304	313	322	316	311	305
9	301	259	282	302	320	309	302	306	314	312	313	292	300	308	285	268	264	270	296	329	329	329	317	308	301
10 D	312	311	306	324	282	295	306	244	270	300	306	281	285	294	285	280	287	269	260	282	298	298	280	295	290
11	306	308	305	303	302	292	311	314	306	285	302	323	311	303	295	284	285	292	277	283	306	312	318	313	301
12	302	282	299	300	311	310	294	306	305	297	312	317	311	300	269	254	274	284	297	305	308	307	297	310	298
13	300	307	315	302	310	306	314	315	305	307	310	315	307	287	279	275	279	295	310	310	313	315	318	322	305
14	320	305	289	303	313	295	290	310	310	294	301	305	302	289	279	274	273	280	290	295	314	316	312	314	299
15 Q	315	315	312	307	307	317	305	307	310	311	315	315	310	305	296	289	283	287	300	312	317	318	311	310	307
16	308	310	299	290	287	296	303	310	312	312	310	310	315	310	292	282	281	290	300	307	315	316	319	315	304
17 Q	314	312	311	311	311	314	315	315	315	316	317	316	315	311	300	284	282	287	295	305	316	326	327	326	310
18	324	321	319	316	319	321	325	317	324	325	324	325	324	319	312	300	298	304	309	325	309	330	301	304	316
19 D	306	283	247	271	271	281	283	291	294	300	293	279	296	286	273	268	271	278	288	298	306	305	296	286	286
20	291	293	294	294	294	294	294	291	294	293	296	292	293	291	290	287	283	288	293	299	309	309	316	309	295
21	305	306	306	309	304	299	302	306	308	310	310	307	302	293	289	281	285	286	308	312	316	314	306	304	303
22	312	310	306	287	282	289	294	286	295	303	303	294	300	312	300	292	299	303	311	316	321	321	312	313	303
23	315	313	313	311	309	315	311	303	306	312	311	311	311	306	291	285	290	303	303	323	328	319	305	312	309
24 Q	315	314	315	314	313	313	314	319	318	318	321	316	311	299	284	280	287	300	309	318	321	321	319	320	311
25	319	318	319	319	315	316	311	315	318	321	315	318	311	303	298	293	297	305	315	328	328	320	319	316	314
26 D	308	315	321	341	299	305	252	211	252	282	264	269	264	308	299	279	288	301	318	331	344	346	349	344	299
27 D	286	262	281	302	312	236	097	149	251	155	219	294	300	291	281	260	273	281	292	307	311	317	311	297	265
28	294	302	302	300	304	304	297	302	306	304	307	305	305	292	279	266	278	289	295	304	319	310	307	312	299
29	291	268	283	288	292	245	245	251	223	233	227	305	302	285	271	269	271	281	302	312	317	315	314	311	279
30	298	290	291	302	301	296	300	310	307	309	306	307	302	293	287	283	289	286	294	307	317	328	322	281	300
31	292	300	297	320	304	291	294	294	292	299	298	308	304	294	287	277	281	290	300	310	323	316	313	298	299
Mean	308	304	303	307	304	300	294	295	300	299	303	308	304	302	291	282	286	293	300	310	317	319	314	311	302

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 10 Agincourt

D = 7° W + . . . '

March 1944

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	30.1	29.2	29.6	27.9	27.3	29.1	31.5	31.3	28.7	28.3	28.3	27.5	27.3	26.1	26.2	28.1	31.1	32.9	33.9	33.5	32.5	31.0	30.2	31.1	29.7
2	31.3	31.4	30.8	28.9	27.4	28.2	30.1	30.1	29.0	28.4	29.0	27.9	27.3	28.2	29.3	29.4	31.0	32.4	33.5	33.6	33.5	31.5	31.0	30.8	30.2
3 Q	30.0	28.9	25.5	27.8	30.0	30.2	30.6	32.6	29.9	28.9	28.0	28.0	27.1	27.2	27.5	30.6	32.6	34.3	33.9	32.8	31.0	30.2	29.2	29.7	29.9
4	29.9	29.6	29.3	28.3	27.4	28.6	31.5	45.5	33.5	44.6	24.1	28.7	44.7	35.5	32.3	33.8	35.5	35.3	34.4	32.5	31.4	30.1	29.3	28.7	32.7
5	29.1	29.3	28.4	27.9	29.1	30.4	30.7	30.2	30.3	31.4	28.1	26.5	25.7	25.4	27.4	31.4	35.9	36.2	37.3	35.3	33.6	32.4	29.6	29.8	30.4
6	29.0	27.6	26.6	22.3	25.9	31.2	34.8	33.9	30.4	37.6	34.4	30.9	27.1	26.3	28.2	30.4	33.4	35.3	35.7	32.9	30.6	32.0	32.0	30.3	30.8
7 D	28.4	27.7	9.3	25.6	32.7	37.5	38.4	38.2	37.3	29.2	30.7	31.2	32.7	32.8	37.3	43.3	41.0	37.9	37.1	34.4	32.9	30.9	31.2	27.1	32.7
8	28.1	29.1	29.0	29.1	28.3	32.1	30.7	31.6	33.8	29.6	29.3	29.1	36.4	32.1	30.9	30.9	33.4	37.5	39.5	33.4	32.9	31.7	30.0	30.3	31.6
9	28.2	18.2	20.7	29.2	27.4	29.4	27.3	31.5	32.8	29.3	28.2	38.5	36.7	31.6	28.4	31.5	32.1	36.1	36.2	34.3	32.1	31.2	30.9	23.0	30.2
10 D	28.9	29.8	22.0	21.8	29.5	24.3	31.2	49.7	42.1	34.2	28.8	35.1	41.1	37.5	36.1	32.7	31.1	33.0	32.7	35.4	36.3	33.8	26.5	28.4	32.6
11	29.1	29.3	28.4	23.3	28.2	28.1	36.3	34.2	31.1	37.9	41.8	30.8	24.7	23.8	25.1	28.4	31.6	33.8	37.4	38.8	34.8	32.7	31.0	30.6	31.3
12	30.4	25.2	29.0	27.4	21.9	27.4	28.5	34.4	31.3	37.9	31.2	28.3	26.7	25.5	29.5	41.6	39.5	38.1	36.7	35.8	30.5	31.9	24.4	30.0	31.0
13	21.6	28.5	24.0	25.7	31.6	37.4	32.5	29.2	29.0	32.5	31.0	30.5	31.0	33.0	29.5	31.2	35.7	34.5	35.7	35.4	34.0	32.7	31.3	30.8	31.2
14	30.1	31.0	26.6	29.2	33.2	27.6	35.4	30.4	27.4	29.2	34.3	27.6	26.7	25.8	25.7	29.5	32.6	35.5	36.6	35.4	34.3	32.2	31.5	31.0	30.8
15 Q	30.4	30.3	30.2	29.2	28.2	26.6	28.3	29.8	29.9	29.2	29.0	28.5	27.3	26.1	25.5	28.8	32.9	34.8	36.2	35.7	34.8	33.7	32.8	31.2	30.4
16	24.9	30.8	28.5	18.7	25.7	31.2	29.0	30.3	30.4	29.7	30.5	33.6	29.2	26.2	24.4	28.5	33.0	35.5	35.4	34.8	33.5	31.9	30.7	29.9	29.8
17 Q	29.8	29.8	29.4	28.9	29.8	29.5	29.5	29.3	29.5	29.3	28.9	29.0	27.2	25.8	25.5	28.5	31.5	33.7	34.9	34.6	33.8	32.1	31.0	30.2	30.1
18	30.1	29.9	30.0	29.8	29.2	29.2	29.0	29.1	28.5	28.1	27.6	27.0	25.4	23.9	24.0	26.4	28.9	31.7	35.1	34.6	38.3	38.5	38.3	34.5	30.3
19 D	30.1	24.4	14.6	25.8	24.6	28.5	28.5	30.9	28.0	27.7	28.3	33.5	28.5	26.2	29.5	30.2	32.6	35.2	36.1	35.6	35.5	35.5	37.1	25.2	29.7
20	30.6	31.7	29.7	29.7	30.2	30.6	31.5	36.4	32.4	28.8	29.0	28.5	27.5	24.9	26.3	29.8	33.2	34.5	34.8	34.8	33.2	32.5	31.4	32.0	31.0
21	31.8	29.9	30.0	23.4	26.7	28.1	29.3	29.3	29.0	29.0	28.5	27.5	25.7	24.8	25.4	28.9	33.7	36.5	36.7	36.6	35.7	34.9	32.4	30.1	30.2
22	29.9	30.4	18.3	24.3	28.5	24.4	23.4	28.0	26.7	27.1	25.4	23.7	25.2	21.7	23.8	27.2	31.0	33.5	34.7	33.7	32.2	31.0	30.3	30.7	27.7
23	30.1	30.1	30.1	29.7	29.8	28.8	26.4	27.8	30.7	28.2	27.6	29.8	27.4	25.5	28.2	32.9	37.4	39.8	40.4	37.3	35.3	33.5	31.2	32.0	31.3
24 Q	30.2	30.2	30.2	29.3	29.3	29.5	29.8	29.6	29.8	29.6	28.4	28.3	26.8	25.4	25.8	31.3	34.2	36.4	37.3	36.6	34.0	32.1	30.7	30.4	30.6
25	30.2	30.3	30.8	30.4	30.2	27.5	27.8	28.9	28.2	25.6	25.4	26.5	24.5	22.2	22.6	26.8	32.7	38.4	41.1	39.5	36.5	33.8	31.1	29.3	30.0
26 D	28.1	29.3	24.5	17.2	28.6	22.0	33.2	36.8	28.1	18.4	25.8	23.5	26.4	21.5	25.0	30.8	32.9	33.7	33.8	33.1	32.6	31.6	30.2	25.8	28.0
27 D	7.1	20.2	27.1	29.6	32.9	17.5	59.4	52.2	34.7	46.3	45.4	31.4	29.2	25.4	28.9	32.7	35.5	36.6	34.5	33.8	30.2	30.9	31.3	29.0	32.6
28	27.6	29.3	29.3	29.3	29.9	27.6	28.3	28.4	28.2	33.6	30.2	27.6	28.1	25.8	26.6	31.7	35.2	36.6	36.7	37.3	36.7	37.7	34.3	33.1	31.2
29	29.0	17.7	29.5	28.2	28.0	25.6	22.9	23.6	35.8	23.1	38.4	28.2	25.3	25.9	29.0	31.7	35.0	37.7	39.3	37.6	36.7	36.6	35.6	33.6	30.6
30	31.8	21.1	28.2	28.2	27.8	29.3	37.2	31.4	27.9	27.7	28.0	27.3	25.8	26.5	28.6	31.1	32.3	34.0	35.5	34.6	33.6	32.0	32.6	21.8	29.8
31	29.9	31.7	30.0	27.7	30.0	26.4	26.7	26.8	33.1	31.0	28.3	29.9	26.5	25.6	26.7	29.5	31.6	33.7	35.0	34.9	34.2	33.2	31.7	30.5	30.2
Mean	28.6	28.2	26.8	26.9	28.7	28.5	31.3	32.6	30.9	29.6	30.1	29.2	28.8	26.9	27.7	31.0	33.5	35.4	36.1	35.2	33.8	32.8	31.4	29.7	30.6

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

Table 11 Agincourt

z = 56,000 γ +

March 1944

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	418	418	423	425	425	416	408	410	415	418	416	415	415	415	408	408	409	414	415	418	418	416	414	415
2	424	428	425	412	385	400	413	418	417	417	414	412	412	409	412	412	413	414	414	415	421	425	422	421	415
3 Q	418	418	418	418	419	418	417	412	413	414	414	415	415	416	416	412	414	418	418	417	416	418	415	415	416
4	414	414	415	418	419	414	408	343	371	285	356	379	372	374	395	404	412	414	418	420	421	424	425	426	398
5	425	423	423	421	421	421	420	420	418	414	414	417	418	417	415	411	412	417	418	423	424	425	426	428	420
6	429	436	430	399	405	405	384	393	398	375	384	412	414	413	408	407	405	408	414	430	434	432	431	427	411
7 D	427	425	413	417	414	368	342	358	359	389	405	407	411	411	412	428	434	426	424	427	424	425	427	430	408
8	428	426	420	414	411	384	408	401	408	411	411	410	407	408	414	411	415	423	437	443	431	426	422	423	416
9	420	428	431	423	389	378	404	401	400	404	407	390	404	404	411	409	420	425	424	432	436	431	430	434	414
10 D	426	424	414	383	365	365	395	373	302	339	384	369	389	394	411	411	413	417	437	441	437	446	453	444	401
11	432	425	424	417	411	387	395	401	404	393	384	392	413	414	416	413	413	417	423	430	426	425	424	424	413
12	428	432	431	420	393	385	401	410	401	393	400	411	414	417	413	417	421	421	423	431	436	430	434	430	416
13	433	422	400	410	410	396	398	403	404	404	412	415	413	422	425	424	416	414	416	416	416	420	422	422	414
14	422	427	427	416	388	394	363	380	410	407	410	410	417	420	423	419	417	422	424	427	426	427	423	422	413
15 Q	420	422	421	422	419	401	410	417	419	419	419	419	419	419	419	419	416	417	416	416	419	422	424	426	419
16	428	428	425	418	414	410	417	420	420	418	413	413	413	419	421	410	410	413	414	436	419	419	420	419	417
17 Q	419	419	440	440	418	419	419	419	419	418	417	418	418	419	419	413	416	420	425	427	426	423	422	419	420
18	417	417	417	417	417	417	417	416	416	416	416	414	415	416	411	410	407	409	412	419	424	445	455	518	422
19 D	584	573	335	441	431	434	429	425	424	426	421	416	425	426	424	424	423	425	430	432	440	453	455	470	440
20	456	447	447	441	441	438	436	424	417	423	426	429	426	423	422	417	418	420	425	429	430	427	428	429	430
21	429	430	430	417	406	420	420	422	422	422	420	420	422	420	417	416	419	422	423	423	428	428	432	431	422
22	424	424	413	410	423	417	414	424	425	425	422	419	413	404	406	406	406	406	416	420	419	422	417	419	416
23	416	417	417	417	417	394	400	410	412	410	413	416	413	416	413	407	409	414	419	422	425	426	428	423	415
24 Q	419	417	417	416	417	417	417	416	416	416	416	416	416	419	416	414	414	416	416	419	422	422	421	420	417
25	418	417	418	418	418	416	413	416	416	410	413	418	417	416	413	409	404	406	412	423	426	424	434	432	417
26 D	430	429	425	352	379	410	365	226	274	345	355	369	381	398	407	414	417	422	423	423	422	420	419	423	388
27 D	500	427	436	233	234	334	203	242	309	319	329	412	417	427	424	429	439	435	436	435	437	434	430	430	381
28	428	429	426	423	419	413	413	419	416	401	405	416	425	425	424	422	428	429	428	433	439	456	469	478	427
29	481	447	440	445	419	367	337	342	306	364	369	400	423	424	423	426	424	428	437	446	451	443	442	446	414
30	452	442	427	432	426	416	381	396	412	416	419	422	422	417	419	414	413	416	423	425	427	429	436	454	422
31	443	440	440	416	400	404	412	412	399	392	404	410	407	420	422	419	424	426	424	423	424	429	432	434	419
Mean	436	432	421	411	405	402	396	393	395	397	403	410	413	415	416	415	417	418	423	426	428	430	431	433	415

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 12 Agincourt

March 1944

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	
1 Q	20	34	335	03	56	294	19	00	34.0	04	03	25.2	04	48	426	07	58	403	23
2	04	00	328	13	30	293	20	18	34.7	04	15	20.8	01	00	431	04	45	373	58
3 Q	21	24	329	02	35	303	07	40	35.2	02	43	21.1	02	15	419	08	00	410	9
4	09	42	345	09	05	239	09	28	55.2	10	20	20.6	23	00	427	09	53	264	163
5	23	00	335	16	14	279	17	38	40.0	13	52	24.5	23	00	436	16	10	407	29
6	17	57	331	09	50	257	09	38	45.4	03	10	10.7	19	40	441	10	10	352	89
7 D	22	35	334	15	22	207	16	01	47.0	02	35	11.8	15	38	440	06	30	325	115
8	05	09	343	19	06	265	18	02	41.6	00	04	26.2	19	20	450	05	25	378	72
9	04	54	348	01	41	239	11	55	45.3	02	10	06.3	23	33	441	05	00	361	80
10 D	21	03	345	07	48	210	07	41	60.0	03	00	10.3	22	40	460	07	50	259	201
11	22	35	332	18	39	261	10	00	43.7	03	41	20.5	00	01	440	05	35	373	67
12	05	00	324	15	17	236	15	33	45.4	04	00	08.1	19	55	447	05	30	381	66
13	02	20	332	14	54	258	05	45	42.2	00	35	08.3	00	19	441	05	50	370	71
14	04	17	327	15	53	269	04	24	38.0	14	23	23.7	21	55	430	06	25	342	88
15 Q	05	07	327	16	00	279	18	50	36.5	04	05	23.5	23	18	429	05	20	395	34
16	12	20	320	16	25	275	18	20	35.5	03	25	24.4	01	40	429	05	30	400	29
17 Q	21	45	333	16	21	279	18	50	35.4	14	05	25.2	20	05	427	15	28	413	14
18	04	43	368	22	03	273	21	15	41.9	13	33	22.5	23	59	573	15	56	405	168
19 D	01	56	363	02	25	195	22	20	39.2	02	07	14.5	00	53	626	04	42	298	328
20	22	00	317	16	12	280	07	30	38.9	13	37	24.8	00	10	459	08	00	396	63
21	21	05	327	15	40	278	18	00	37.7	03	50	18.4	23	07	436	04	10	400	36
22	21	28	328	03	43	271	18	11	35.7	02	45	12.5	04	28	433	03	00	397	36
23	20	21	334	15	35	281	15	35	41.3	13	42	24.4	22	20	429	05	36	380	49
24 Q	22	23	323	15	34	277	18	50	37.6	13	30	24.4	21	00	423	09	45	410	13
25	20	25	349	15	16	290	18	29	42.3	14	00	19.3	23	00	438	16	15	401	37
26 D	03	35	403	07	12	123	07	00	53.6	03	36	10.8	23	59	452	07	10	194	258
27 D	03	28	371	06	02	036	06	28	70.4	01	06	12.6	00	35	554	06	48	161	393
28	21	06	328	15	30	261	21	42	40.2	13	25	24.9	23	50	486	09	58	393	93
29	22	07	325	08	30	195	05	03	48.4	01	43	14.7	00	14	499	08	20	253	246
30	04	48	343	23	23	265	06	38	39.5	01	43	01.1	23	26	461	06	29	368	93
31	03	45	340	15	15	276	08	50	38.1	00	01	21.5	00	50	448	09	22	386	62
Mean			338			250			42.6			16.3			456			356	100
No. days			31			31			31			31			31			31	31

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 13 Agincourt

H = 15,000 γ +

April 1944

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	296	298	306	308	304	306	305	303	307	307	311	312	309	301	292	285	283	293	303	305	309	302	313	299	302
2 D	295	276	270	287	302	301	112	-236	-288	-345	-174	-12	258	264	262	273	268	276	285	290	311	322	306	297	196
3	283	278	280	279	301	289	293	282	288	301	306	304	303	299	301	293	288	294	301	302	307	312	305	294	295
4 D	294	305	302	300	300	303	301	300	301	297	260	257	294	291	272	259	272	285	299	305	306	317	311	305	293
5 D	297	301	306	305	301	285	308	307	302	290	289	293	305	287	277	258	264	285	289	290	305	321	300	296	294
6 D	305	309	297	301	304	308	296	266	259	271	233	298	296	284	282	269	269	264	285	292	306	317	307	300	288
7	310	301	258	294	305	306	308	303	302	318	317	316	303	294	287	283	287	300	299	297	326	331	310	298	302
8	286	295	307	302	306	306	306	306	306	310	306	296	269	282	283	282	281	290	305	307	317	321	317	317	300
9	311	311	309	306	307	310	309	309	309	309	310	310	306	299	294	296	300	304	316	317	327	327	291	304	308
10	296	300	305	309	305	266	307	254	230	297	315	304	300	293	295	282	293	304	317	322	327	326	322	307	299
11	297	295	314	312	311	312	316	318	317	322	317	317	317	308	301	300	295	294	307	317	334	311	317	313	310
12	301	293	304	307	307	309	317	311	311	309	309	311	304	302	300	296	300	308	312	318	314	314	317	318	308
13 Q	317	314	316	317	315	314	316	318	319	318	318	318	317	314	305	301	302	305	308	310	315	318	318	319	314
14 Q	316	318	316	318	318	319	321	321	323	322	321	319	318	313	308	303	305	306	310	310	321	324	324	321	317
15	316	318	319	321	318	321	319	321	320	319	315	316	318	310	303	302	304	316	326	354	341	347	311	329	320
16 D	320	317	283	283	287	292	293	299	283	274	319	258	282	288	279	261	266	272	297	308	309	315	313	311	293
17	311	316	310	311	308	305	303	303	300	297	299	298	299	292	287	289	296	303	303	311	318	325	323	315	305
18	300	310	302	307	304	302	297	294	297	298	303	308	301	293	288	293	299	307	308	308	312	317	308	303	303
19 Q	307	305	312	314	312	312	309	310	310	313	315	313	311	300	288	291	307	315	322	325	324	320	319	318	312
20	316	317	315	313	315	308	308	311	310	307	312	312	309	301	295	300	309	317	324	327	323	321	318	316	313
21	318	318	317	315	319	320	320	320	325	320	320	316	307	307	297	297	302	312	319	324	330	327	322	318	316
22 Q	317	318	319	319	318	318	321	319	322	320	318	317	316	305	296	284	299	308	316	319	319	321	321	322	315
23 Q	322	323	323	324	324	326	323	322	322	321	321	320	315	299	288	285	294	309	322	330	328	326	322	321	317
24	322	337	342	341	329	300	285	285	309	309	318	317	309	295	283	285	296	301	315	329	327	332	329	314	313
25	301	300	315	316	321	317	318	315	316	316	316	314	310	301	296	294	298	309	317	329	337	337	332	326	315
26	318	306	310	312	313	322	305	311	315	318	319	315	308	300	292	293	305	304	313	331	341	341	326	322	314
27	318	323	320	315	311	318	311	320	316	312	305	313	323	318	306	303	300	309	325	329	324	334	321	318	316
28	315	317	313	325	300	310	316	310	315	323	325	321	315	308	305	304	311	323	336	327	317	318	320	321	317
29	323	323	325	323	308	300	303	312	317	317	322	321	308	302	310	307	321	329	331	334	340	336	325	328	319
30	318	317	323	319	322	307	312	303	281	287	327	326	315	303	300	304	319	326	336	338	335	334	331	316	317
31																									
Mean	308	309	308	310	310	307	302	291	288	289	297	301	305	299	292	289	295	302	312	317	322	324	318	313	304

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7° W + . . . '

April 1944

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	28.5	26.6	28.3	31.1	30.9	29.6	29.5	29.0	29.0	28.7	28.7	27.7	26.3	24.8	26.2	28.8	31.2	34.0	35.5	35.9	34.7	35.4	33.9	28.7	30.1
2 D	30.0	24.1	24.1	21.7	29.5	36.0	41.0	5.7	26.2	47.8	36.9	42.9	17.4	17.7	23.5	30.3	32.3	34.8	35.6	40.1	35.4	33.3	32.7	29.6	30.4
3	29.4	26.6	7.1	29.6	42.4	36.5	28.3	35.9	35.7	32.3	29.6	27.3	26.4	26.6	27.7	30.1	32.1	34.1	34.0	35.7	32.7	31.5	31.2	26.5	30.4
4 D	25.9	30.6	29.7	28.7	28.6	31.9	33.0	28.2	28.7	25.6	33.7	39.3	29.0	25.2	25.0	32.1	35.8	38.6	37.8	37.5	35.7	33.2	31.4	29.4	31.5
5 D	29.2	29.6	21.5	21.8	27.6	32.4	36.3	29.4	30.3	34.8	31.4	33.9	25.6	23.3	26.0	31.9	36.9	42.1	39.8	38.8	35.8	33.7	26.9	22.0	30.8
6 D	21.8	25.5	25.1	24.8	31.4	31.2	28.2	50.2	36.8	39.2	40.5	33.0	24.1	25.1	24.8	30.0	33.2	34.8	34.8	34.1	33.3	31.2	28.7	26.4	31.2
7	29.4	26.8	13.7	27.3	31.1	30.6	30.5	35.5	41.5	31.2	27.0	25.9	27.6	27.3	26.9	30.9	35.1	34.8	35.8	40.1	37.9	36.8	30.5	26.6	30.8
8	26.2	28.4	29.1	28.9	31.0	30.3	30.4	29.8	29.3	28.1	27.9	29.2	36.8	32.7	28.6	31.1	33.4	35.6	35.7	35.8	33.1	30.7	30.4	30.2	30.9
9	30.6	30.7	30.1	30.2	29.8	28.4	31.9	30.4	28.7	28.8	28.1	26.9	25.7	25.6	26.7	29.2	32.2	34.7	35.8	36.6	34.8	35.1	32.9	30.4	30.6
10	27.9	27.8	26.4	24.0	36.1	19.0	22.8	28.6	43.9	26.7	23.4	26.6	24.7	24.9	27.4	31.3	33.1	34.4	34.3	34.2	33.0	32.2	30.2	29.3	29.3
11	26.9	23.1	25.8	29.9	29.8	29.5	32.2	31.6	30.2	27.9	26.1	26.9	26.9	27.4	29.5	30.5	32.5	37.9	37.9	37.7	35.2	34.7	30.0	30.1	30.4
12	21.9	11.0	23.1	29.5	29.5	29.8	31.1	29.7	30.5	29.7	28.8	28.4	27.7	27.7	30.1	32.0	32.2	32.5	33.7	33.3	33.3	33.3	32.6	31.1	29.3
13 Q	30.6	30.1	30.1	30.4	30.2	29.8	29.5	28.8	27.9	28.6	28.5	27.9	27.4	27.6	27.4	28.6	30.6	32.9	34.3	33.8	33.5	33.1	32.3	31.8	30.2
14 Q	31.2	30.6	30.5	30.4	30.3	30.2	29.9	29.4	28.8	28.4	28.4	28.1	27.0	26.9	28.3	29.8	31.9	33.8	34.8	35.2	35.6	34.8	33.0	31.5	30.8
15	29.2	29.2	30.2	30.4	30.6	30.3	29.7	29.3	28.8	28.5	27.6	27.5	26.7	25.7	25.6	29.8	32.1	35.7	36.9	38.0	37.9	38.6	30.2	31.3	30.8
16 D	31.5	30.4	15.8	21.8	22.5	26.0	25.8	25.5	47.9	55.7	51.3	45.9	41.3	46.1	37.1	36.9	37.5	39.3	39.3	37.4	35.8	32.9	32.5	32.0	35.3
17	31.3	30.6	21.9	27.3	27.8	28.8	28.8	27.8	26.9	28.6	27.0	24.7	24.9	26.1	30.1	34.7	34.9	34.6	36.2	36.4	35.7	34.2	33.1	34.8	30.3
18	33.7	25.7	28.5	30.7	30.7	30.1	28.4	26.5	26.7	26.7	26.6	25.4	26.2	27.6	30.1	33.2	34.8	35.1	34.0	33.1	32.5	32.0	31.5	30.8	30.0
19 Q	30.6	31.9	31.4	31.5	31.3	30.4	30.2	29.6	29.1	28.4	28.5	27.8	28.3	29.4	31.3	36.5	37.8	37.5	36.8	35.8	33.8	32.4	31.1	31.0	31.8
20	30.4	29.3	29.8	29.2	28.7	30.4	28.8	29.5	28.3	27.6	26.9	24.3	24.7	27.7	31.3	34.6	36.8	37.5	36.8	34.8	33.0	31.0	29.8	30.6	30.5
21	31.3	31.0	30.7	30.2	29.6	29.6	30.3	29.2	27.7	26.5	26.4	26.6	28.6	28.6	31.3	35.7	38.3	38.6	38.6	35.7	32.2	30.3	29.5	29.6	31.3
22 Q	30.5	30.7	30.8	30.9	30.7	30.6	30.1	29.6	29.3	28.6	27.6	25.6	25.2	26.2	28.4	32.8	35.1	36.0	36.1	34.9	33.3	31.4	30.1	29.8	30.6
23 Q	30.4	30.6	30.6	30.6	30.5	30.2	29.7	29.1	29.0	29.1	27.7	26.7	25.5	25.2	26.5	32.0	35.1	36.6	36.5	35.1	33.6	31.8	31.4	30.7	30.6
24	30.6	29.8	29.7	29.1	25.7	22.0	29.7	24.7	24.0	20.4	19.5	18.4	19.9	23.7	25.9	31.0	33.4	37.6	39.5	37.9	35.6	32.9	31.5	29.8	28.4
25	23.1	30.2	32.1	30.5	28.0	29.9	29.7	31.5	31.5	29.7	28.3	26.4	25.5	26.2	28.2	31.3	34.4	37.0	37.9	37.5	34.8	34.2	33.1	32.8	31.0
26	32.5	32.7	30.2	28.3	29.4	32.4	26.9	28.5	27.7	29.2	27.3	26.1	25.8	26.9	28.0	31.9	34.6	38.2	39.8	37.5	35.5	34.3	33.8	32.2	31.2
27	31.3	29.0	28.8	28.0	32.1	28.1	29.4	30.7	27.8	27.8	29.8	28.3	24.8	24.4	27.0	30.4	34.3	37.9	39.3	38.9	36.2	34.2	34.0	31.1	31.0
28	26.6	23.7	28.8	29.1	27.7	27.7	27.8	29.5	33.6	24.8	22.5	22.4	23.7	25.6	29.0	31.5	35.6	36.1	35.0	35.8	32.8	31.4	31.6	31.0	29.3
29	30.7	30.5	30.2	29.1	22.4	27.0	26.9	33.8	26.7	25.8	22.2	22.5	22.3	26.7	30.6	32.8	33.2	33.8	35.2	34.1	32.5	32.8	32.2	31.0	29.5
30	30.9	29.6	29.3	29.1	28.6	37.9	28.4	27.9	38.6	39.8	33.3	33.0	33.4	35.9	38.6	33.8	34.5	33.6	32.8	30.6	29.7	29.8	30.7	30.2	32.5
31																									
Mean	29.1	28.2	26.8	28.5	29.8	29.9	29.8	29.5	31.0	30.5	29.2	28.6	26.7	27.2	28.6	31.8	34.2	36.0	36.4	36.0	34.3	33.1	31.5	30.1	30.7

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

Table 15 Agincourt

z = 56,000 γ +

April 1944

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	432	425	424	422	423	423	422	422	421	422	423	422	422	418	421	421	421	423	424	429	442	442	450	458	427
2 D	462	493	478	474	441	401	257	051	010	033	068	226	409	435	428	432	440	444	455	447	451	444	451	450	361
3	457	450	402	381	327	371	399	385	394	412	423	425	424	421	417	415	418	422	426	430	430	435	438	441	414
4 D	439	432	428	426	423	372	324	366	394	396	386	381	406	415	415	416	426	434	436	441	438	436	438	434	413
5 D	433	436	418	397	403	385	380	397	403	398	397	399	406	409	411	405	416	415	426	431	436	436	448	444	413
6 D	429	416	421	416	416	422	392	285	300	311	320	385	409	414	419	413	415	418	426	435	434	438	434	435	400
7	429	429	439	430	426	424	421	406	383	399	412	422	422	422	419	412	413	418	427	438	464	480	477	455	428
8	440	435	415	421	414	415	422	422	423	422	422	415	409	418	418	417	417	427	430	433	435	438	430	429	423
9	427	426	425	424	423	415	412	418	422	423	423	424	424	421	418	417	415	418	419	422	428	435	445	445	423
10	439	439	427	400	337	367	383	347	311	332	393	403	418	415	418	412	415	416	422	425	428	428	429	432	402
11	435	428	400	418	421	421	409	415	415	409	415	418	417	415	411	409	407	415	422	422	431	435	440	442	420
12	432	426	415	429	426	415	404	409	412	413	418	421	418	415	413	412	412	414	415	418	418	418	419	422	417
13 Q	418	418	420	421	421	421	421	419	416	418	418	416	418	418	418	412	412	415	419	421	418	418	418	421	418
14 Q	417	418	419	417	418	417	415	415	415	415	415	416	416	416	416	415	415	418	421	419	420	419	424	422	418
15	421	421	421	421	418	418	419	419	418	418	415	415	409	407	408	400	396	393	391	400	409	434	435	418	413
16 D	412	413	392	392	390	390	367	332	268	267	267	294	339	340	372	387	406	425	433	429	425	430	434	439	377
17	435	429	417	400	410	416	420	421	421	418	409	406	410	413	413	409	411	411	414	418	422	427	434	438	418
18	448	415	423	427	426	423	423	421	425	425	425	425	425	421	415	412	416	418	418	421	424	427	429	429	423
19 Q	430	429	425	423	423	422	422	422	422	422	422	420	419	419	418	420	422	424	424	425	426	426	425	423	423
20	421	420	422	422	422	424	424	424	422	420	413	413	416	416	415	413	419	426	430	431	429	426	424	421	422
21	422	420	420	421	422	421	420	417	415	416	419	417	410	407	407	407	412	417	419	423	427	425	422	420	418
22 Q	417	419	419	417	417	417	417	416	416	416	419	419	418	416	412	410	413	414	419	422	424	425	422	422	418
23 Q	417	417	417	417	416	414	416	415	414	415	413	413	416	416	416	410	412	416	419	422	422	419	417	417	416
24	416	416	416	413	401	375	338	366	345	413	419	413	410	406	407	403	406	411	413	419	421	423	424	429	404
25	429	429	430	423	417	418	421	420	419	420	423	424	423	424	423	423	423	423	422	423	428	431	437	441	425
26	443	449	434	420	423	397	384	407	414	420	423	421	418	418	417	415	415	423	428	428	427	431	430	433	421
27	431	426	424	413	378	399	406	410	407	415	410	398	398	400	402	404	408	414	420	426	431	436	433	437	414
28	434	415	430	399	399	402	401	405	394	411	417	413	411	408	410	410	411	413	413	423	423	424	425	424	413
29	420	418	418	418	403	404	414	394	402	418	418	416	414	412	410	407	407	408	415	419	420	420	420	420	413
30	420	420	419	417	391	308	368	358	314	358	398	405	410	413	414	420	421	420	417	414	414	417	423	431	400
31																									
Mean	430	428	422	417	409	404	397	387	380	389	395	403	412	413	413	412	415	418	422	425	428	431	433	432	413

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 16 Agincourt

April 1944

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 28	323	23 09	275	48	19 50	37.4	02 00	20.7	16.7	23 28	465	15 15	418	47	
2 D	05 36	323	09 40	-406	729	10 28	75.1	09 20	-48.3	123.4	01 18	513	09 18	-109	622	
3	04 17	334	02 15	230	104	04 08	59.7	02 30	-13.7	73.4	00 56	468	04 00	233	235	
4 D	22 02	346	11 00	209	137	11 26	42.9	00 18	23.1	19.8	19 40	446	06 47	304	142	
5 D	21 14	338	15 55	237	101	06 03	45.6	03 32	08.5	37.1	21 32	457	06 00	338	119	
6 D	21 04	326	10 20	195	131	07 27	66.7	00 42	11.8	54.9	19 35	443	07 34	295	148	
7	21 27	352	02 18	240	112	01 43	43.3	02 23	03.0	40.3	21 50	496	08 12	371	125	
8	21 10	332	12 50	246	86	12 53	41.5	00 05	19.2	22.3	00 33	445	12 48	397	48	
9	20 35	348	22 36	268	80	21 45	37.0	13 25	24.7	12.3	22 50	450	06 15	405	45	
10	22 06	338	08 18	180	158	08 43	47.5	05 50	12.0	35.5	01 13	444	08 43	297	147	
11	20 50	348	01 35	281	67	18 56	40.4	01 50	12.1	28.3	23 20	445	02 08	382	59	
12	06 10	327	01 24	260	67	06 17	34.9	01 40	00.5	34.4	00 20	447	06 25	399	48	
13 Q	21 07	323	16 00	298	25	18 45	34.6	13 00	26.7	07.9	19 03	422	15 35	409	13	
14 Q	22 06	326	15 50	302	24	19 45	35.8	13 17	26.6	09.2	02 50	426	15 35	412	14	
15	19 48	375	22 38	279	96	21 41	41.9	14 45	22.9	19.0	22 02	453	18 13	386	67	
16 D	00 13	340	11 24	231	109	09 51	59.8	02 45	14.0	45.8	23 34	441	11 14	231	210	
17	22 09	331	14 40	284	47	23 56	37.6	02 37	11.0	26.6	23 59	444	03 05	395	49	
18	01 25	335	14 50	286	49	00 01	37.7	01 17	21.2	16.5	00 50	452	01 34	395	57	
19 Q	20 10	327	15 00	282	45	16 42	37.9	11 46	27.5	10.4	00 30	430	14 00	416	14	
20	19 55	331	14 23	295	36	18 03	38.0	03 07	23.8	14.2	17 58	432	10 35	407	25	
21	21 18	331	15 30	292	39	18 08	39.1	11 15	25.6	13.5	20 00	428	12 47	403	25	
22 Q	21 46	326	15 30	281	45	17 53	37.0	11 35	24.8	12.2	21 45	427	14 50	410	17	
23 Q	19 43	332	15 12	281	51	18 02	36.9	14 10	24.3	12.6	19 50	422	15 50	408	14	
24	01 28	359	07 00	258	101	18 08	40.2	12 04	16.6	23.6	23 59	436	06 48	313	123	
25	21 28	345	01 15	290	55	19 01	38.9	00 03	20.1	18.8	23 40	444	04 50	408	36	
26	20 53	350	15 18	286	64	18 50	40.4	12 37	24.9	15.5	01 17	452	06 00	374	78	
27	21 30	346	16 23	296	50	18 18	39.7	13 05	23.4	16.3	21 29	441	04 25	363	78	
28	18 58	343	04 18	291	52	04 03	39.8	01 04	15.6	24.2	00 49	436	04 04	369	67	
29	21 02	347	07 20	290	57	07 27	39.5	04 32	19.3	20.2	21 01	425	07 47	381	44	
30	21 37	348	09 05	220	128	09 08	52.9	11 56	22.4	30.5	23 59	442	08 48	243	199	
31																
Mean		338		242	96		43.3		15.5	27.8		446		349	97	
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 1944

Day	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	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	296	316	324	323	317	328	314	294	302	296	291	277	288	258	226	265	286	330	330	323	338	326	349	302	304
2	D	299	288	304	305	284	281	299	307	310	309	292	270	296	279	299	286	297	317	328	324	326	327	321	315	303
3		316	316	311	320	304	303	314	312	313	318	313	314	304	293	295	297	307	316	321	325	322	318	320	320	312
4	D	322	324	322	318	319	320	320	322	321	322	322	312	319	319	311	295	311	312	297	335	338	312	335	335	319
5		295	287	289	309	315	319	311	318	321	321	311	303	316	293	298	308	307	309	298	326	320	329	334	331	311
6	D	302	317	309	317	324	321	323	321	319	326	314	287	311	303	294	301	312	316	326	337	339	342	331	323	317
7		323	321	316	321	330	319	306	323	311	319	317	310	306	299	288	287	289	312	320	327	319	335	342	339	316
8		323	315	324	317	324	329	318	313	301	319	323	318	306	295	291	296	303	314	323	326	327	324	326	329	316
9		322	322	321	319	322	327	327	328	321	324	327	322	315	302	283	280	289	310	324	323	328	328	318	315	316
10		323	316	320	321	324	325	323	322	320	318	319	319	319	309	302	302	312	324	331	344	342	338	332	325	322
11		317	322	325	328	331	333	330	329	330	328	326	323	317	312	303	305	310	324	338	346	346	347	331	336	327
12		329	314	318	328	330	330	331	332	334	334	331	324	318	309	305	313	320	329	336	341	340	338	326	328	327
13	Q	325	328	325	322	325	327	324	326	323	320	321	318	314	304	301	311	325	337	344	344	338	332	331	337	325
14		337	336	336	335	332	322	322	317	318	324	325	321	320	312	309	312	322	333	339	343	339	337	337	337	328
15		329	319	325	320	312	327	325	318	321	322	322	314	307	301	295	297	302	318	321	321	326	322	320	322	317
16	Q	323	328	327	323	320	323	324	324	327	323	326	324	318	309	300	297	302	312	323	329	334	332	327	330	321
17		327	323	327	327	325	322	328	328	329	328	329	328	323	315	316	321	326	334	340	345	347	343	332	332	329
18	Q	327	326	327	327	327	327	327	327	327	327	328	329	322	313	310	311	319	327	339	353	352	350	340	339	329
19		337	336	332	331	328	326	329	330	332	335	329	316	304	293	297	306	322	335	344	348	345	336	331	327	
20	Q	329	332	332	329	330	327	329	327	327	329	327	324	313	303	304	316	329	337	343	349	347	340	337	332	329
21	Q	331	332	336	334	335	334	334	332	330	327	325	320	313	300	295	289	300	313	326	336	348	347	337	329	325
22		326	331	333	334	334	331	335	331	332	329	328	325	323	313	305	301	299	300	316	338	344	342	338	341	326
23		341	342	341	330	327	320	326	328	324	326	328	324	321	313	302	304	311	316	322	326	336	338	339	351	327
24		333	311	323	328	329	327	316	308	312	315	322	323	315	308	298	293	297	312	330	346	339	335	329	326	320
25		326	327	329	329	336	320	321	320	325	320	318	314	313	305	303	313	313	320	321	339	336	336	334	337	323
26		336	310	312	318	331	331	327	329	322	329	331	329	326	317	305	301	308	312	317	322	326	326	328	333	322
27		334	336	331	326	325	346	328	326	315	326	331	326	320	316	313	306	312	321	332	338	342	336	326	326	327
28		328	328	333	333	330	331	331	329	335	329	331	328	325	318	320	315	323	326	336	344	338	346	347	356	332
29	D	321	323	324	325	327	327	344	325	332	315	321	334	323	307	306	305	308	326	344	344	349	349	353	358	329
30		326	305	310	320	325	328	323	313	328	323	324	310	303	312	321	331	336	343	348	343	338	330	328	328	325
31		329	328	325	325	320	327	326	325	324	325	327	331	321	312	307	300	311	311	339	351	355	348	342	319	326
Mean		323	321	323	324	324	324	323	322	322	323	322	317	314	305	299	301	309	320	328	336	337	335	333	331	322

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 18 Agincourt

D = 7° W + . . . ' .

May 1944

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	24.7	30.2	32.1	31.3	30.1	27.9	25.1	26.7	30.3	27.0	26.0	24.9	36.2	40.4	44.2	41.0	45.9	36.1	34.3	37.9	31.9	30.7	30.2	29.7	32.3		
2 D	28.6	20.0	24.3	28.1	29.5	38.5	25.2	24.6	25.1	26.7	32.3	41.9	36.3	34.0	31.5	35.5	38.7	35.8	34.8	34.2	32.8	30.6	31.3	29.7	31.2		
3	28.6	30.3	22.9	29.2	27.7	31.4	31.5	33.1	32.5	29.5	29.2	28.3	31.6	32.8	34.8	36.5	36.9	36.5	35.4	34.1	32.9	31.3	31.0	30.7	31.6		
4 D	31.0	31.1	31.2	30.6	30.5	30.2	29.7	29.2	28.5	27.9	27.0	31.2	29.8	25.4	27.7	30.2	34.2	31.3	40.1	36.9	36.8	34.7	30.0	28.0	30.9		
5	26.5	17.6	24.9	30.1	30.7	31.7	30.6	30.7	32.4	29.7	32.8	32.0	29.8	31.3	33.7	33.0	31.3	34.2	39.7	36.8	35.9	33.5	32.5	30.6	31.3		
6 D	22.5	22.2	28.1	30.0	27.8	27.4	28.4	34.3	30.2	27.8	27.9	33.3	28.2	26.4	30.1	32.9	35.2	36.9	37.5	35.6	33.8	32.3	31.0	30.7	30.5		
7	30.4	29.8	25.7	27.4	26.7	26.9	35.8	30.7	25.2	28.8	25.2	25.0	24.8	26.2	29.1	33.8	35.6	34.1	34.9	34.8	32.2	31.0	30.2	28.6	29.8		
8	27.0	21.5	26.7	28.3	30.2	31.0	30.1	33.8	40.4	31.1	25.2	23.9	24.9	27.0	28.3	31.0	34.2	35.7	35.8	34.9	33.1	32.0	29.8	29.2	30.2		
9	29.8	30.6	30.6	29.7	28.8	29.7	31.2	29.8	27.9	26.5	24.4	23.4	23.1	24.0	24.7	30.1	33.8	35.8	36.9	38.4	35.6	32.8	30.2	28.2	29.8		
10	28.8	29.6	23.7	29.5	30.3	29.8	29.6	29.7	29.6	28.4	25.9	25.1	24.7	24.9	26.9	31.3	34.1	35.1	36.1	35.7	35.7	34.3	32.9	30.4	30.1		
11	30.7	30.6	30.7	27.1	25.3	28.2	30.8	29.3	28.6	27.0	24.7	23.3	22.3	23.7	26.6	29.9	32.8	35.1	36.2	35.2	33.9	32.2	31.5	30.1	29.4		
12	30.1	29.4	29.4	30.2	29.2	29.2	28.3	28.2	28.1	27.8	25.7	25.3	25.1	26.2	27.4	29.8	31.6	35.0	35.4	34.0	33.3	32.9	32.1	29.9	29.8		
13 Q	30.5	29.8	29.5	29.4	29.5	29.3	29.5	28.8	28.8	27.9	27.0	25.1	24.7	26.6	30.6	32.9	34.3	35.0	35.2	34.8	32.4	31.6	30.6	30.2	30.2		
14	30.4	30.7	30.3	29.5	29.3	26.7	27.7	27.8	27.8	27.8	26.7	24.9	25.2	26.8	29.8	34.0	36.2	36.0	36.0	35.6	34.2	31.5	30.5	30.3	30.2		
15	26.5	28.6	31.1	29.3	29.2	30.7	31.4	28.8	28.8	27.0	25.3	23.7	24.7	26.7	29.7	34.7	36.6	36.7	36.6	35.8	32.8	30.4	29.1	28.8	30.1		
16 Q	29.5	29.8	29.8	29.5	29.3	29.8	29.5	28.8	28.4	27.6	25.5	23.9	23.1	24.9	28.8	32.0	34.1	34.8	34.9	33.8	32.4	31.2	30.2	29.6	29.7		
17	29.6	28.4	30.2	29.5	28.7	29.5	29.5	27.9	27.1	26.0	24.9	23.9	24.2	25.1	29.1	31.9	34.3	36.5	37.3	36.6	34.9	32.5	31.3	30.0	29.9		
18 Q	30.0	30.5	30.5	30.7	31.0	30.5	30.0	28.3	28.1	27.0	25.7	24.3	24.3	26.6	29.3	31.6	33.9	34.8	35.1	34.3	33.4	32.4	32.0	31.5	30.2		
19	31.0	30.6	31.3	31.0	30.6	29.7	30.2	27.8	26.6	25.6	24.2	23.4	24.6	26.9	30.6	34.2	36.4	36.5	35.8	33.4	31.6	30.1	29.4	29.8	30.0		
20 Q	30.9	30.3	30.6	31.0	29.8	29.8	29.2	28.7	28.3	27.7	26.6	25.7	25.5	27.0	29.8	33.8	35.8	36.6	36.1	33.5	31.4	30.7	29.3	29.3	30.3		
21 Q	30.2	30.6	30.3	30.4	30.2	29.5	28.8	28.3	27.5	26.9	24.2	22.5	22.2	23.4	26.8	32.0	36.2	38.7	38.3	36.1	33.4	31.5	29.7	29.7	29.8		
22	30.2	29.8	30.4	30.4	30.1	29.2	29.5	27.5	26.7	25.2	23.1	21.5	21.6	23.4	25.6	30.2	34.3	39.5	42.3	40.2	37.9	34.8	32.2	30.6	30.2		
23	30.5	30.6	30.4	23.1	24.9	27.9	27.5	26.9	26.7	25.7	23.5	23.3	22.5	22.8	23.7	29.6	33.1	34.2	35.1	35.8	35.1	33.4	32.0	30.6	28.8		
24	32.8	27.4	28.8	29.3	26.6	27.0	27.9	31.5	30.6	25.1	25.8	22.4	22.0	23.7	27.7	31.0	35.6	37.7	37.9	37.7	37.7	36.2	31.5	30.6	30.2		
25	31.5	31.1	30.5	24.9	28.3	28.8	31.0	33.3	31.3	27.8	26.8	24.3	24.2	25.7	30.2	31.5	34.0	35.2	37.4	36.8	35.8	33.4	31.6	29.8	30.7		
26	28.8	25.8	26.7	29.4	30.4	26.9	28.8	29.4	27.9	27.6	26.7	24.0	22.0	22.8	24.6	24.7	28.3	33.1	33.8	35.7	37.7	36.0	33.8	31.5	31.0	30.6	29.8
27	29.2	28.8	28.6	26.7	26.6	29.2	28.4	29.7	31.0	26.9	23.3	24.7	24.6	24.7	28.3	33.1	33.8	35.7	37.7	36.0	33.8	31.5	31.0	30.6	29.8		
28	31.1	30.6	31.1	30.5	30.6	30.4	30.1	29.4	29.7	28.6	25.7	24.3	25.0	26.7	27.4	29.7	31.6	34.8	34.8	34.8	35.6	35.8	32.5	31.1	28.8	30.2	
29 D	23.2	28.8	29.7	26.7	25.8	31.5	30.1	27.0	27.3	28.8	35.2	32.4	32.0	32.8	28.5	28.9	34.0	35.9	34.2	34.3	33.3	28.2	26.0	21.5	29.8		
30	25.1	24.7	24.7	26.9	26.7	28.4	29.8	36.9	29.7	28.2	26.5	27.3	28.4	32.3	31.5	32.8	33.3	32.6	32.0	32.5	32.4	31.5	30.4	30.7	29.8		
31	30.3	30.6	29.5	28.8	29.4	31.0	33.3	29.7	29.3	28.8	26.1	25.1	25.3	27.9	30.1	31.1	33.5	38.9	38.0	34.8	32.6	31.6	30.7	32.1	30.8		
Mean	29.0	28.4	28.8	28.9	28.8	29.6	29.7	29.6	29.0	27.6	26.4	25.9	25.9	27.1	29.3	32.2	34.8	35.7	36.4	35.5	33.9	32.1	30.8	29.7	30.2		

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

Table 19 Agincourt

Z = 56,000 γ +

May 1944

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	436	425	421	420	419	406	391	409	396	378	379	378	376	370	382	409	412	425	438	435	447	444	457	468	414
2 D	450	432	419	412	377	285	350	394	417	421	396	376	377	399	408	414	418	421	431	433	429	433	433	433	404
3	429	425	418	407	401	401	407	415	418	420	420	420	410	412	414	415	415	422	424	430	421	430	427	425	418
4 D	424	422	420	419	421	418	419	419	421	419	415	406	394	399	400	401	402	406	412	426	455	467	443	445	420
5	448	438	442	433	421	414	399	411	412	418	412	402	404	401	409	412	409	412	418	424	428	428	422	426	418
6 D	432	422	424	424	403	389	399	383	391	406	403	386	403	407	406	405	406	432	424	427	427	428	426	424	411
7	422	422	416	402	387	397	333	337	392	410	413	413	413	412	410	409	413	419	421	428	432	437	430	430	408
8	432	407	404	413	381	393	409	397	375	396	410	413	414	413	406	404	405	407	410	419	420	425	425	422	409
9	416	416	416	416	413	410	409	409	413	418	419	419	416	413	408	405	396	401	413	422	428	430	429	429	415
10	425	424	419	419	420	419	419	419	419	421	423	423	420	413	407	399	402	406	413	421	425	425	425	425	418
11	425	426	425	420	416	407	415	413	416	417	420	419	416	410	405	395	393	396	407	415	417	417	417	418	413
12	419	423	422	419	416	414	410	413	412	413	413	414	414	415	415	409	409	409	416	419	419	422	425	425	416
13 Q	423	419	422	420	420	419	419	419	417	417	417	419	419	413	413	403	395	399	406	415	416	419	420	420	416
14	417	420	420	419	420	408	406	411	420	420	420	416	414	410	410	411	413	414	418	426	426	426	426	426	417
15	423	420	423	421	422	403	394	420	421	421	423	414	416	415	415	419	417	417	425	430	428	427	427	424	419
16 Q	421	423	422	421	423	420	421	421	420	420	422	420	418	417	417	414	414	416	420	423	426	426	426	423	421
17	421	421	423	422	420	420	417	420	421	420	420	420	417	414	411	405	407	410	411	414	417	419	420	421	417
18 Q	418	420	418	418	416	414	415	414	414	414	416	414	411	408	407	401	400	404	405	404	411	413	414	414	412
19	414	414	411	412	412	410	406	408	409	410	411	408	407	406	404	402	403	405	411	416	418	420	417	416	410
20 Q	411	413	410	411	410	410	411	411	412	413	414	414	414	412	410	404	408	410	416	420	421	421	419	417	413
21 Q	414	414	414	413	414	413	411	411	411	414	411	410	408	405	402	397	397	405	416	420	423	424	424	424	413
22	421	419	417	415	415	415	413	411	417	420	421	415	412	406	405	406	406	409	412	417	420	421	421	418	415
23	415	413	415	406	405	406	413	415	415	418	417	416	415	411	409	408	410	415	417	421	424	427	424	428	415
24	435	436	431	424	412	400	379	352	347	382	400	411	417	416	412	409	409	406	408	416	427	430	439	430	409
25	424	419	417	406	386	389	399	398	405	409	414	411	411	405	401	398	403	403	404	406	409	415	418	422	407
26	423	433	430	424	415	401	406	416	411	415	417	415	412	409	406	406	409	415	418	421	422	421	427	428	417
27	424	422	424	422	402	365	396	412	409	412	424	417	416	417	415	406	409	417	419	420	424	427	427	427	415
28	421	421	419	419	418	419	417	417	409	415	417	414	411	401	404	405	408	405	409	415	418	421	422	427	415
29 D	434	422	421	415	415	401	394	383	391	380	356	370	386	391	398	397	405	415	418	422	432	440	449	444	410
30	431	437	427	419	415	412	415	400	411	422	426	421	427	407	411	406	405	400	404	406	409	412	418	418	415
31	419	418	418	416	411	402	393	410	410	414	415	418	419	412	409	402	406	412	410	418	421	424	431	427	414
Mean	425	423	420	417	411	403	403	405	408	413	413	410	410	408	407	406	407	410	416	421	424	427	427	427	414

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 20 Agincourt

May 1944

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	22	19	382	14	35	199	183	16	48	49.8	00	33	21.0	28.8	23	35	480	13	15	360	120
2 D	21	32	335	05	04	234	101	05	24	48.3	01	33	09.5	38.8	00	01	460	05	15	241	219
3	19	38	329	13	14	286	43	15	50	37.5	02	50	16.7	20.8	20	03	431	05	08	395	36
4 D	23	35	368	15	45	280	88	18	23	42.5	13	56	22.9	19.6	21	10	494	12	08	386	108
5	19	32	345	13	51	272	73	18	37	41.3	01	41	13.4	27.9	01	00	460	06	28	391	69
6 D	19	10	356	11	31	276	80	18	20	40.3	01	05	05.8	34.5	01	00	441	07	55	362	79
7	23	26	349	16	03	265	84	06	38	46.8	02	53	19.3	27.5	21	27	439	06	39	301	138
8	04	55	337	14	21	289	48	08	25	45.0	01	35	12.2	32.8	00	43	434	08	40	364	70
9	20	40	335	15	16	276	59	19	47	39.3	12	16	22.4	16.9	23	00	432	17	08	394	38
10	19	14	347	15	00	300	47	19	08	36.8	02	25	21.3	15.5	23	20	426	15	40	398	28
11	19	39	353	15	34	292	61	18	15	36.9	12	23	22.0	14.9	00	50	426	17	00	387	39
12	19	23	346	14	15	301	45	18	05	35.9	11	39	24.0	11.9	22	15	426	17	20	404	22
13 Q	18	23	347	14	06	297	50	19	00	35.6	12	19	24.3	11.3	00	20	425	16	44	393	32
14	19	36	345	14	10	307	38	18	09	36.5	11	25	24.7	11.8	23	56	429	06	50	402	27
15	05	55	349	14	45	291	58	06	19	37.5	00	51	22.9	14.6	19	19	430	06	01	367	63
16 Q	20	17	336	14	37	296	40	18	22	35.6	12	55	22.8	12.8	21	00	427	16	04	411	16
17	20	47	351	13	56	312	39	18	40	37.7	11	00	23.5	14.2	03	00	423	16	00	403	20
18 Q	20	02	358	14	18	307	51	18	30	35.2	12	07	24.2	11.0	01	34	421	16	01	395	26
19	21	22	358	14	45	289	69	17	55	37.1	11	07	22.9	14.2	21	53	423	15	44	400	23
20 Q	19	17	350	14	00	300	50	17	50	37.7	12	25	25.0	12.7	20	43	423	16	36	404	19
21 Q	20	42	350	15	00	285	65	17	54	39.7	11	50	22.2	17.5	23	08	427	15	30	396	31
22	21	25	354	17	33	295	59	18	30	42.1	12	08	20.0	22.1	21	25	424	16	15	402	22
23	23	10	355	14	22	298	57	20	00	36.1	03	33	20.6	15.5	23	51	432	04	55	397	35
24	19	50	356	07	15	287	69	21	00	39.5	12	10	21.3	18.2	22	49	446	08	14	318	128
25	23	14	357	14	01	295	62	20	12	37.9	03	11	22.2	15.7	23	13	427	04	55	376	51
26	00	15	346	15	26	294	52	19	19	36.5	12	25	21.2	15.3	01	36	441	06	02	391	50
27	05	17	354	16	00	298	56	18	33	37.7	04	50	19.7	18.0	21	50	428	05	28	353	75
28	23	08	365	13	32	310	55	20	10	36.8	12	09	22.9	13.9	23	13	429	14	00	398	31
29 D	23	10	369	16	12	286	83	10	12	46.6	23	33	-07.8	54.4	23	26	473	10	24	344	129
30	18	08	349	07	24	294	55	07	20	44.9	00	02	18.2	26.7	00	22	438	07	22	399	39
31	22	25	369	15	39	291	78	17	48	43.1	12	17	23.7	19.4	22	35	433	06	10	380	53
Mean			352			287	65			39.8			19.5	20.3			437			378	59
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 1944

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	326	320	324	328	328	325	327	325	331	328	321	318	310	302	296	299	296	304	316	338	348	346	343	338	323	
2	333	333	332	330	332	332	333	327	327	320	320	323	321	313	308	302	307	320	332	341	346	343	339	338	327	
3 Q	330	327	330	327	327	327	326	324	325	327	330	331	330	322	321	314	322	335	341	350	357	354	345	339	331	
4	334	334	333	333	331	328	330	330	334	338	339	335	332	325	317	310	317	335	341	349	368	370	358	343	336	
5	348	343	346	345	342	343	342	341	337	335	335	335	333	321	322	312	309	320	337	346	343	347	341	339	336	
6	326	321	325	326	325	327	329	333	335	338	336	335	330	319	314	309	315	330	330	337	343	346	337	332	329	
7 Q	330	332	335	335	335	336	333	335	331	330	330	328	330	331	324	311	310	316	327	338	342	346	346	342	331	
8 Q	337	338	335	332	332	334	335	335	335	338	339	335	333	325	312	310	307	321	333	342	340	340	336	341	332	
9	339	343	342	333	337	337	337	339	334	329	330	327	325	323	306	297	308	316	326	334	336	346	343	337	330	
10 Q	334	330	330	329	329	329	325	324	322	321	324	323	319	313	309	314	323	330	336	339	345	340	339	337	328	
11	335	330	326	329	327	324	325	322	319	322	321	323	324	324	308	299	306	327	340	340	339	339	334	328	325	
12 Q	326	325	327	326	326	329	329	329	325	323	324	327	321	310	304	306	317	325	331	334	339	342	339	337	326	
13	336	334	334	333	331	335	334	333	327	327	330	329	326	326	318	316	318	326	337	346	352	351	352	347	333	
14	336	324	324	329	327	324	327	327	329	334	337	336	322	310	305	312	324	337	346	347	347	348	350	345	331	
15 D	310	311	323	306	301	303	300	299	310	310	313	303	292	293	293	296	305	319	343	346	348	350	339	325	314	
16	319	320	334	328	331	327	328	328	321	306	313	305	303	300	300	301	293	311	329	331	328	334	332	321	319	
17	323	327	324	333	323	316	315	318	323	322	322	319	311	308	303	306	322	345	350	349	350	353	339	332	326	
18	323	322	326	332	330	339	326	330	329	334	328	319	313	312	311	311	318	329	334	344	348	350	345	340	329	
19	339	337	325	327	324	327	327	325	326	321	318	313	321	324	313	312	317	330	345	346	349	334	337	331	328	
20	329	325	331	334	335	332	340	333	326	333	329	326	319	311	310	306	310	321	342	342	333	344	366	360	330	
21 D	345	343	354	338	339	332	332	337	333	340	342	333	325	317	308	305	305	323	349	355	345	338	328	336	333	
22 D	317	317	331	307	301	313	319	332	316	302	318	325	315	306	307	279	310	321	339	349	354	341	328	325	320	
23 D	322	319	315	317	317	320	323	329	328	329	325	326	317	311	313	299	323	349	354	359	364	350	335	335	328	
24	334	328	324	331	326	328	332	328	323	325	328	322	315	305	300	305	314	324	332	342	349	344	335	331	326	
25	328	332	335	330	326	328	328	325	323	323	322	323	324	323	317	313	319	338	349	343	360	352	344	339	331	
26 D	339	341	329	321	331	332	321	329	328	318	318	315	308	292	289	281	289	305	328	340	339	325	329	323	320	
27	310	313	310	318	325	330	333	335	330	323	319	310	320	315	310	302	304	309	336	341	344	343	324	329	322	
28	323	323	323	324	326	336	335	332	329	325	325	323	324	322	318	321	333	340	343	349	350	343	341	337	331	
29	328	318	323	326	330	289	308	318	321	326	330	323	313	310	309	305	310	319	326	333	333	329	329	333	321	
30	335	328	330	330	339	339	335	340	335	330	319	312	307	321	320	312	315	322	328	339	344	346	341	333	329	
31																										
Mean	330	328	329	328	328	327	328	329	327	326	326	324	320	314	310	306	312	325	337	343	346	344	340	336	328	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 22 Agincourt

D = 7° W + . . . ' .

June 1944

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean	
1	30.9	26.1	28.5	31.1	31.1	31.2	30.3	29.7	29.8	28.6	27.5	26.6	25.8	26.9	29.8	33.6	37.8	39.5	41.3	37.6	34.5	32.5	30.7	30.0	31.3	
2	30.0	29.8	30.4	29.8	30.4	30.7	30.6	29.7	30.6	33.1	31.0	27.5	24.6	24.2	26.6	29.2	33.1	36.8	37.6	36.6	34.3	32.0	29.8	28.9	30.8	
3 Q	29.8	30.6	31.0	31.1	31.1	30.4	30.9	31.6	29.3	28.0	25.3	24.1	24.2	26.5	27.5	30.2	33.8	35.0	35.9	34.9	33.5	30.3	29.3	29.3	30.2	
4	30.1	30.3	30.5	30.6	30.7	30.5	29.8	28.8	27.5	25.8	24.3	23.7	23.3	25.2	27.4	30.7	34.0	35.1	35.1	34.3	31.5	30.7	29.4	30.0	29.6	
5	30.1	29.8	29.6	30.2	30.2	29.7	29.1	28.2	28.4	27.0	25.0	22.3	25.6	28.5	28.2	30.6	32.9	35.3	36.5	37.0	35.2	32.2	29.8	28.0	29.9	
6	28.8	28.5	29.4	29.6	26.9	30.2	30.3	29.2	27.8	26.7	25.6	24.6	23.4	23.4	26.7	31.1	34.2	35.5	37.0	35.9	34.3	32.1	30.6	29.1	29.7	
7 Q	29.5	30.2	30.4	30.4	30.6	29.5	27.7	28.6	28.8	25.6	23.3	21.6	18.6	20.1	23.2	27.5	32.8	34.8	35.3	35.8	34.6	32.8	30.7	29.2	28.8	
8 Q	29.7	30.5	31.1	30.3	29.8	29.2	29.8	29.2	28.4	26.9	25.2	23.2	22.2	23.7	25.1	28.6	32.0	34.8	34.7	35.1	32.8	32.2	31.6	29.8	29.4	
9	30.2	30.1	29.2	26.7	26.6	27.0	28.2	27.3	27.0	26.5	24.7	23.4	22.7	24.4	25.8	29.7	34.2	35.8	36.8	36.0	34.5	32.8	32.2	30.7	29.3	
10 Q	28.6	22.6	28.6	30.1	30.7	29.8	29.1	28.8	28.3	27.5	26.5	25.2	22.9	25.7	29.5	32.8	35.4	37.4	38.5	37.0	34.9	33.3	31.9	30.0	30.2	
11	28.6	29.3	30.2	30.7	30.4	29.8	29.5	29.8	29.7	27.9	24.7	22.9	22.7	24.0	25.6	30.3	37.1	37.5	37.7	37.7	35.1	32.2	30.4	28.9	30.1	
12 Q	29.1	29.2	28.8	29.3	30.7	31.6	32.1	30.6	29.4	27.6	25.2	23.4	22.2	23.6	27.4	32.0	34.9	37.4	38.0	36.1	34.4	33.8	32.4	31.1	30.4	
13	30.6	31.0	31.1	30.1	30.1	30.9	30.4	30.1	28.8	27.8	25.5	22.4	22.5	23.2	23.8	27.4	31.1	32.9	34.9	34.8	33.8	32.4	30.4	28.8	29.4	
14	27.6	29.3	26.0	29.4	28.7	29.2	28.8	28.2	28.7	26.9	23.1	23.7	22.6	25.3	24.7	29.8	34.0	33.9	33.4	33.1	32.2	30.7	28.4	29.7	28.6	
15 D	26.1	25.6	20.6	22.5	24.3	25.1	26.0	29.8	40.2	26.9	21.9	20.7	22.2	25.6	29.2	36.1	38.4	38.2	35.8	36.8	35.8	33.4	30.2	28.8	29.2	
16	30.1	27.4	29.2	29.8	31.1	31.3	32.6	36.1	34.0	24.7	26.9	25.5	24.8	23.3	27.8	32.0	36.9	36.9	34.0	34.1	33.0	31.3	31.1	27.8	30.5	
17	27.8	30.6	31.0	29.8	29.8	26.1	28.6	32.2	30.7	26.7	25.1	24.2	24.3	26.1	29.3	34.5	37.9	37.2	35.0	33.8	32.5	30.8	29.3	30.2	30.1	
18	31.0	31.6	31.1	30.4	31.3	29.8	29.0	30.4	32.4	30.6	27.5	24.9	24.0	25.8	28.8	32.9	37.0	39.6	39.2	36.5	33.8	31.3	30.4	30.2	31.2	
19	30.1	29.1	28.4	28.8	28.8	31.3	28.5	28.8	27.7	26.9	23.7	25.2	23.6	25.1	26.6	33.1	37.7	39.2	37.4	34.1	33.1	32.2	31.3	31.2	30.1	
20	31.3	26.8	29.0	30.0	29.5	35.2	31.5	26.0	29.5	29.3	26.0	24.3	23.1	24.0	28.4	32.2	35.9	38.0	37.4	36.7	35.8	33.4	33.1	31.1	30.8	
21 D	30.6	30.4	25.8	28.4	20.4	22.4	24.3	31.9	35.6	32.8	23.4	18.8	18.7	21.5	25.8	31.3	35.1	37.9	35.2	34.6	35.2	34.4	32.1	30.1	29.0	
22 D	30.1	32.5	28.8	16.0	14.9	26.4	30.6	31.0	31.6	40.8	32.8	23.3	20.9	22.5	25.2	31.6	35.1	36.9	37.3	35.8	34.8	32.8	30.2	30.2	29.7	
23 D	29.1	27.5	26.6	27.4	26.9	29.4	40.4	42.8	28.8	27.8	26.6	24.1	24.2	25.2	27.4	33.6	36.5	35.5	35.2	35.2	33.3	31.9	29.7	27.9	30.6	
24	29.7	29.0	22.5	27.1	29.6	30.6	31.6	32.5	32.5	29.3	26.7	24.3	23.3	23.2	25.8	30.3	34.0	35.7	36.0	35.2	33.3	31.5	31.3	30.0	29.8	
25	30.1	30.6	30.1	30.3	30.6	30.6	30.2	29.6	29.7	28.8	27.4	24.9	23.7	22.8	23.7	28.3	34.0	36.0	38.6	38.9	34.2	32.8	32.0	31.0	30.4	
26 D	29.9	30.1	28.8	29.0	28.6	28.2	29.2	32.2	28.3	28.2	29.3	22.5	20.6	19.7	24.2	32.0	36.7	41.3	39.8	36.8	37.4	33.4	30.4	25.1	30.0	
27	28.7	29.2	25.1	25.6	28.4	29.7	30.1	33.4	33.0	29.2	34.3	29.4	24.3	23.1	24.7	27.6	29.8	34.0	35.1	34.3	33.1	31.3	30.8	28.6	29.7	
28	29.4	30.3	30.5	30.0	28.8	31.3	28.8	28.8	31.6	31.8	27.5	24.7	25.6	25.5	26.7	30.2	32.2	34.0	35.4	34.2	33.3	32.9	32.1	30.3	30.2	
29	28.1	26.4	28.3	25.1	29.6	24.4	27.5	27.6	26.4	26.1	25.2	24.3	23.7	23.5	25.0	28.0	31.9	34.8	35.8	34.7	33.6	33.8	31.9	31.3	28.7	
30	30.1	26.4	27.8	29.8	29.4	29.1	28.5	27.7	26.6	25.2	24.4	25.3	27.8	26.8	24.9	27.8	31.7	33.4	35.3	35.8	34.2	32.5	31.2	31.3	29.3	
31																										
Mean	29.5	29.0	28.6	28.7	28.7	29.3	29.8	30.4	30.0	28.4	26.2	24.0	23.3	24.3	26.5	30.8	34.6	36.4	36.5	35.7	34.0	32.3	30.8	29.7	29.9	

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

Table 23 Agincourt

Z = 56,000 γ +

June 1944

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	424	420	419	416	418	416	417	417	417	416	417	416	416	415	416	415	410	410	412	422	425	423	426	423	418
2	422	418	416	416	413	413	413	410	416	409	399	404	409	411	410	412	416	415	416	422	422	422	422	422	415
3 Q	425	419	418	418	417	413	404	404	414	423	425	425	424	420	419	418	410	415	413	416	416	419	421	421	418
4	419	418	416	416	417	417	416	416	418	418	418	418	419	410	406	399	399	402	409	413	419	422	428	427	415
5	422	416	413	411	410	411	409	410	409	410	409	409	412	415	416	416	409	414	419	428	434	439	433	430	417
6	430	425	423	418	416	417	419	419	420	422	422	420	418	415	414	409	410	416	418	425	423	423	426	425	420
7 Q	422	420	418	418	417	415	413	415	416	416	422	418	416	411	409	409	405	402	407	412	419	424	423	419	415
8 Q	416	414	413	412	412	410	411	410	413	416	416	416	413	406	407	406	404	405	409	418	418	418	418	419	413
9	416	411	413	415	411	409	412	411	411	412	413	412	410	410	412	404	405	409	408	410	416	425	422	418	412
10 Q	422	416	413	416	416	416	416	416	416	416	417	416	418	412	406	399	393	394	400	405	410	412	415	418	412
11	419	417	419	417	417	417	414	414	417	417	419	420	419	414	414	408	406	405	411	414	421	429	430	429	417
12 Q	423	419	414	409	413	413	411	407	411	414	417	414	413	412	414	411	407	406	408	411	417	419	420	419	413
13	413	411	411	411	411	408	405	407	408	411	410	410	410	406	407	404	396	400	405	410	420	421	423	423	410
14	423	424	421	414	414	411	411	413	414	413	412	412	409	404	406	402	400	398	395	401	413	417	424	430	411
15 D	435	430	404	404	407	395	401	374	352	394	414	416	411	409	411	408	400	404	417	421	429	434	449	458	411
16	448	434	405	413	417	412	405	379	379	386	396	401	410	410	413	416	411	408	414	419	423	424	428	437	412
17	430	423	424	414	410	412	419	414	411	418	423	420	420	420	416	413	411	406	407	413	420	426	430	431	418
18	431	429	425	405	384	389	410	411	417	411	414	414	414	417	420	419	420	420	417	417	419	423	424	423	416
19	420	419	420	419	419	416	417	417	419	414	417	412	412	409	408	411	403	393	394	401	406	412	423	426	413
20	423	423	414	414	411	387	395	402	403	403	411	411	408	407	408	410	413	412	411	409	411	419	433	432	411
21 D	423	417	410	401	359	371	379	325	354	342	387	401	401	404	404	400	403	410	412	420	423	429	429	396	
22 D	431	433	423	403	397	408	402	410	406	371	390	419	417	413	420	416	420	424	421	423	423	431	440	441	416
23 D	435	438	430	424	420	417	370	318	381	412	420	423	420	414	417	418	417	413	414	421	424	425	431	430	414
24	424	421	416	411	413	414	408	408	408	414	417	419	418	414	408	408	417	419	416	417	419	420	417	417	415
25	417	417	417	415	415	414	413	411	413	417	418	417	417	414	413	400	395	400	403	404	409	411	413	415	411
26 D	412	414	419	419	410	398	406	396	406	413	411	405	409	413	412	414	415	418	425	438	457	459	453	453	420
27	443	432	420	411	417	419	411	400	400	404	401	401	409	409	409	411	416	419	413	411	417	423	424	430	414
28	429	424	421	417	416	403	402	407	407	403	411	414	413	411	414	416	414	411	414	414	410	414	417	423	414
29	425	426	423	409	342	357	382	394	411	420	423	417	413	412	414	416	413	414	408	408	419	419	423	423	409
30	424	423	420	417	414	412	412	402	402	409	417	411	413	414	413	411	407	412	408	410	416	420	421	423	414
31																									
Mean	425	422	417	414	409	407	407	401	406	408	413	414	414	412	412	410	408	409	411	415	420	423	427	427	414

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 24 Agincourt

June 1944

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 00	350	16 30	294	56	18 02	41.9	01 57	23.3	18.6	22 50	426	18 23	409	17
2	20 42	354	15 48	302	52	18 55	38.3	12 45	23.3	15.0	19 43	428	10 28	395	33
3 Q	20 42	370	15 38	312	58	18 08	35.8	12 04	23.1	12.7	00 01	425	06 45	399	26
4	20 43	409	15 30	309	100	19 18	35.8	12 55	23.1	12.7	20 50	433	16 03	395	38
5	00 23	362	16 26	305	57	19 43	38.0	11 35	21.5	16.5	21 19	440	11 00	404	36
6	21 07	349	15 52	305	44	18 35	38.3	12 52	22.8	15.5	00 01	430	15 40	409	21
7 Q	23 02	349	15 58	301	48	19 20	36.8	12 46	17.3	19.5	21 30	426	17 00	400	26
8 Q	19 50	350	16 05	304	46	19 20	35.8	12 49	21.8	14.0	23 35	422	16 39	402	20
9	21 55	356	15 15	292	64	19 00	37.2	12 37	21.0	16.2	21 55	425	15 27	403	22
10 Q	20 39	347	15 13	308	39	18 23	38.9	01 30	21.1	17.8	00 30	426	16 45	391	35
11	21 04	347	15 55	291	56	16 54	39.5	12 20	22.4	17.1	21 43	431	16 30	404	27
12 Q	21 06	346	15 39	299	47	18 30	38.8	12 42	21.5	17.3	00 05	426	18 28	404	22
13	21 14	361	16 13	311	50	18 35	35.6	11 48	21.6	14.0	22 40	425	16 25	396	29
14	22 45	385	14 27	298	87	17 06	35.1	12 45	20.9	14.2	22 42	436	18 00	393	43
15 D	21 04	367	15 38	286	81	08 17	46.8	03 06	13.4	33.4	23 30	459	08 14	342	117
16	22 05	340	16 09	288	52	07 54	39.9	01 42	20.4	19.5	00 01	454	07 50	364	90
17	21 34	361	15 15	296	65	16 57	38.9	11 45	22.5	16.4	23 40	436	04 08	400	36
18	21 36	354	15 17	306	48	18 10	40.4	12 15	22.9	17.5	00 01	437	05 13	375	62
19	19 00	349	15 52	307	42	14 15	39.5	11 00	22.2	17.3	23 30	428	18 25	389	39
20	22 53	398	15 10	303	95	05 37	39.8	12 57	21.8	18.0	22 52	440	05 40	375	65
21 D	18 53	366	14 48	297	69	08 58	52.2	04 20	13.9	38.3	23 35	432	07 34	296	136
22 D	20 52	371	15 23	259	112	09 18	45.0	04 20	-02.4	47.4	23 02	447	09 18	359	88
23 D	21 01	380	15 31	289	91	07 25	52.0	12 00	22.8	29.2	01 18	440	07 33	305	135
24	20 55	356	14 40	297	59	19 02	36.5	02 30	18.7	17.8	00 10	424	08 10	403	21
25	20 50	368	15 30	311	57	19 04	40.6	13 33	22.2	18.4	00 20	420	16 41	393	27
26 D	04 57	350	14 06	262	88	17 26	44.2	13 20	18.2	26.0	20 53	473	05 00	388	85
27	21 57	349	17 00	294	55	10 21	36.6	02 50	12.2	24.4	00 01	449	11 08	390	59
28	22 56	359	15 17	317	42	18 54	36.0	11 07	23.9	12.1	00 20	430	09 10	393	37
29	04 17	355	05 28	281	74	04 31	36.0	04 02	17.5	18.5	00 35	432	05 11	331	101
30	22 10	350	12 36	302	48	19 32	36.4	01 56	22.2	14.2	23 59	427	08 11	395	32
31															
Mean		360		297	63		39.6		19.9	19.7		434		383	51
No. days		30		30	30		30		30	30		30		30	30

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 25 Agincourt

H = 15,000 γ +

July 1944

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	328	328	338	323	324	330	332	330	332	332	332	327	322	315	306	304	307	316	332	340	338	343	334	340	327	
2	335	332	338	327	324	319	319	324	327	326	326	317	318	319	304	297	308	312	323	335	339	338	343	340	325	
3	335	338	336	337	335	332	335	338	331	327	330	324	320	309	299	301	311	327	346	351	351	364	356	337	332	
4	340	331	331	335	331	328	326	325	324	324	325	325	324	309	306	307	308	324	342	353	340	353	345	340	329	
5	334	332	327	327	327	327	332	332	332	332	331	327	322	311	301	291	296	308	324	334	344	347	348	345	326	
6	344	340	338	343	344	342	337	335	332	335	335	330	323	308	292	291	303	322	338	354	358	355	348	348	333	
7	338	322	302	305	312	327	324	319	315	319	320	315	309	302	302	306	308	322	332	340	340	338	329	328	320	
8	332	333	335	334	328	325	316	321	316	331	337	338	332	322	315	308	317	327	345	354	353	345	340	342	331	
9 D	337	325	332	325	303	307	324	327	322	312	320	319	309	296	294	287	294	312	327	334	334	335	332	332	318	
10	328	333	322	321	326	326	326	326	323	324	326	324	319	305	290	301	311	331	336	346	337	326	333	328	324	
11	331	331	324	321	329	331	324	323	326	328	326	321	313	306	302	308	319	327	333	334	338	339	343	342	326	
12	337	337	339	335	336	338	339	337	339	338	337	334	331	326	322	311	307	324	339	339	347	350	343	339	334	
13	334	336	337	333	334	334	344	333	334	333	331	328	326	319	309	307	313	329	337	343	349	342	343	338	332	
14	337	334	333	331	327	327	331	328	334	321	331	328	323	315	305	307	316	331	345	350	349	354	343	342	331	
15 D	334	331	330	329	328	321	329	316	314	313	309	308	310	311	305	291	292	306	318	336	341	350	349	336	321	
16	327	331	328	324	324	323	321	313	318	321	319	321	319	309	306	300	301	315	327	339	333	334	339	338	322	
17	336	340	340	321	297	279	295	311	318	319	321	312	306	302	296	294	306	315	318	326	329	331	328	329	316	
18	326	327	330	324	324	333	327	330	326	326	327	326	326	322	315	308	316	323	326	328	343	347	352	333	328	
19 D	315	305	316	325	325	331	326	329	329	326	331	321	324	323	319	319	325	333	339	344	352	346	340	333	328	
20 D	337	334	334	337	323	333	333	331	332	302	313	326	319	311	306	301	305	312	317	323	326	333	339	334	323	
21 D	333	338	334	327	334	331	334	326	330	311	321	321	315	317	316	309	313	324	329	327	349	344	326	326	326	
22	321	319	324	326	324	327	331	326	323	326	319	315	312	307	307	306	314	321	331	344	344	339	328	326	323	
23	328	327	327	327	327	328	329	328	330	325	330	329	325	315	307	310	322	333	345	343	335	330	330	325	327	
24 Q	328	327	327	327	326	328	328	329	325	326	325	325	318	312	306	304	300	309	318	329	335	336	332	330	323	
25 Q	327	325	325	325	320	320	324	327	327	327	330	325	320	313	306	302	304	314	325	330	330	330	331	335	323	
26 Q	336	336	338	339	336	336	336	337	333	330	330	330	327	316	302	293	305	315	328	335	341	333	333	332	328	
27 Q	333	335	335	335	333	334	335	336	336	335	333	332	323	312	302	306	312	325	337	345	346	346	341	336	331	
28 Q	336	331	330	325	326	328	330	328	330	330	330	330	325	309	290	289	308	327	342	348	347	343	336	335	327	
29	338	331	330	331	333	333	333	331	330	329	330	336	326	315	306	309	318	333	338	352	345	343	333	333	330	
30	330	330	329	325	328	333	330	330	330	330	325	325	325	314	302	302	317	328	335	336	336	335	335	333	327	
31	330	325	324	323	326	330	320	318	323	327	328	322	318	315	311	309	317	328	339	346	341	345	333	321	326	
Mean	333	330	330	328	326	327	328	327	327	325	327	324	320	312	305	303	309	322	333	340	342	342	340	335	326	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

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

July 1944

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	30.5	30.2	29.8	29.8	30.2	31.1	30.3	30.0	29.2	28.1	25.7	23.1	21.5	23.4	26.7	27.7	30.7	33.2	35.2	34.0	35.2	33.6	31.7	30.5	29.7
2	29.8	26.8	25.8	23.3	27.7	27.5	26.6	27.6	27.4	26.5	24.4	25.2	24.6	24.0	27.5	31.4	32.4	34.3	34.4	35.1	33.8	33.1	32.5	30.5	28.8
3	30.7	30.9	31.1	30.5	29.3	27.9	26.2	25.8	26.0	24.0	23.2	23.5	20.7	22.5	26.7	33.4	36.1	38.6	37.3	36.1	34.3	32.8	31.6	32.2	29.7
4	32.2	31.9	30.3	27.8	28.2	29.8	29.8	29.1	28.4	27.0	25.1	23.2	22.1	21.9	24.7	29.5	33.1	35.8	36.0	34.3	33.5	31.3	29.6	29.2	29.3
5	29.2	24.5	26.6	26.7	28.8	29.2	29.5	31.3	31.3	28.9	26.1	22.6	21.6	21.0	23.8	27.0	32.1	36.0	37.8	38.8	37.0	35.1	31.6	29.4	29.4
6	29.2	29.8	28.2	28.4	28.5	29.7	29.5	30.6	30.0	29.2	24.9	22.5	21.8	22.0	23.5	29.7	33.3	37.1	39.6	39.5	37.6	34.8	29.7	29.8	29.9
7	29.7	26.7	19.1	23.7	25.1	29.2	29.1	29.3	28.6	27.8	24.8	22.5	20.7	22.2	26.9	31.9	35.9	38.3	40.0	39.7	38.2	34.8	32.5	30.5	29.5
8	29.7	30.4	30.9	30.8	31.0	29.5	30.4	30.6	29.0	26.9	24.1	21.6	21.7	23.8	26.2	29.5	32.5	34.8	35.8	36.6	34.3	32.3	31.1	30.1	29.8
9 D	29.5	22.4	26.5	27.0	26.4	20.4	32.7	31.5	38.0	29.2	24.8	21.3	11.5	10.6	15.5	29.7	33.0	34.6	35.7	35.7	34.0	32.3	31.4	27.8	
10	30.9	29.8	28.0	27.8	30.3	29.8	31.1	31.3	30.9	29.7	27.9	25.0	23.0	21.3	23.3	28.2	33.3	34.3	37.0	37.0	36.0	36.9	34.8	32.8	30.5
11	31.3	30.5	27.5	30.5	31.6	32.7	31.3	28.8	29.2	29.8	27.8	25.8	24.3	25.5	28.1	31.5	32.4	32.5	34.2	35.2	35.8	34.3	33.3	32.4	30.7
12	31.3	30.6	30.2	28.8	29.2	29.5	28.6	28.3	28.5	27.3	26.0	24.9	24.5	24.9	25.8	28.0	31.3	33.9	35.6	36.7	36.0	34.9	34.0	31.5	30.0
13	27.8	30.1	30.0	28.8	27.0	28.6	32.2	28.4	28.8	28.6	26.5	25.6	23.0	23.1	24.5	27.4	29.8	32.9	35.1	34.8	33.4	33.3	32.2	31.9	29.3
14	31.3	29.6	30.3	30.6	30.5	30.2	31.3	29.8	28.8	33.5	26.1	24.0	24.0	24.7	26.7	30.4	34.0	37.0	37.6	36.0	34.2	32.5	31.3	31.3	30.7
15 D	32.5	30.9	25.8	25.8	27.0	26.1	34.9	27.5	26.9	29.8	27.8	24.1	24.2	22.7	25.6	29.6	34.3	38.4	38.9	36.1	34.7	31.5	30.2	29.6	29.8
16	30.4	30.7	30.2	30.8	30.4	30.6	29.5	27.4	29.1	27.0	22.8	21.3	20.7	23.2	25.6	29.8	35.0	38.6	39.4	36.7	35.8	33.3	31.3	30.6	30.0
17	30.4	30.3	30.1	27.0	18.0	24.5	27.7	30.7	29.9	29.7	26.9	23.0	20.9	22.5	27.6	31.6	32.4	33.3	35.7	35.8	35.2	33.7	31.2	29.5	29.0
18	27.5	27.4	28.4	30.1	29.3	30.2	30.2	29.7	28.8	27.9	26.0	25.6	25.1	25.5	27.6	33.1	37.3	38.5	39.6	38.4	36.0	33.4	31.2	26.3	30.6
19 D	29.3	30.6	31.2	31.2	30.6	29.7	29.4	30.3	28.7	26.6	24.8	23.6	22.1	24.2	26.0	31.2	35.1	38.3	38.5	37.0	34.2	33.1	33.2	29.4	30.3
20 D	32.4	33.1	26.4	28.7	31.0	30.5	29.4	26.8	29.7	33.7	30.5	25.2	25.1	29.7	31.2	33.8	34.7	35.5	34.8	33.6	32.9	32.1	30.8	30.1	30.9
21 D	30.6	31.2	29.7	26.8	26.1	28.7	34.0	28.4	27.8	26.0	27.2	27.7	31.2	29.0	29.7	32.4	34.0	33.7	34.7	35.7	32.9	31.5	32.4	31.3	30.6
22	31.9	31.4	31.4	30.5	30.0	31.4	30.5	29.4	35.7	29.2	25.9	25.0	24.9	24.8	26.4	29.6	32.2	34.1	35.2	33.7	32.2	32.4	32.2	31.2	30.5
23	29.7	30.5	31.2	31.2	30.3	30.2	31.8	30.6	35.1	30.7	26.8	24.6	24.3	25.0	27.8	32.8	35.7	35.9	35.8	34.7	33.0	31.5	30.0	29.5	30.8
24 Q	29.7	30.2	30.1	30.4	30.1	30.0	29.4	28.7	29.0	27.9	26.9	25.6	24.6	23.8	25.6	29.1	33.2	35.7	35.8	35.1	34.8	33.9	32.1	30.9	30.1
25 Q	30.5	30.1	30.3	28.5	25.6	26.9	28.5	29.4	29.4	28.7	26.6	24.9	24.2	24.6	26.3	28.4	31.5	34.2	35.2	34.3	34.5	33.0	31.8	31.2	29.6
26 Q	31.4	30.3	29.6	29.1	29.3	28.3	28.8	28.7	28.5	27.7	26.4	24.8	23.8	22.8	25.1	29.2	32.3	33.7	33.9	33.4	33.1	33.0	32.1	31.1	29.4
27 Q	30.8	30.4	30.0	29.6	29.4	29.2	28.9	29.0	28.3	27.5	25.6	22.8	21.4	22.3	23.7	28.1	31.3	34.9	36.6	35.1	34.4	32.7	31.8	30.5	29.4
28 Q	30.2	31.1	30.4	30.1	30.6	29.3	29.0	28.6	28.4	27.8	26.8	25.8	24.9	25.9	26.8	30.2	33.6	35.6	35.4	34.0	33.0	32.0	32.3	32.7	30.2
29	31.3	31.7	30.3	30.5	30.2	29.3	29.0	28.6	28.1	28.4	26.4	22.7	21.9	23.7	26.7	29.3	32.9	35.3	35.4	33.6	32.0	30.9	30.4	30.5	29.6
30	30.1	30.4	29.6	27.7	30.5	29.9	28.9	28.6	28.6	27.4	24.5	22.9	24.1	26.7	29.8	33.7	36.8	34.7	33.6	32.6	31.2	30.8	30.0	29.5	29.7
31	29.5	28.6	24.4	26.8	28.6	30.0	27.5	26.5	27.2	25.9	22.9	22.2	22.9	25.0	28.4	32.4	35.0	35.7	34.7	33.8	32.3	31.9	32.7	32.9	29.1
Mean	30.4	29.7	28.7	28.7	28.7	29.0	29.8	29.0	29.4	28.3	25.8	23.9	22.9	23.6	26.1	30.3	33.5	35.4	36.2	35.6	34.4	33.0	31.7	30.7	29.8

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

Table 27 Agincourt

z = 56,000 γ +

July 1944

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	427	424	406	419	420	417	412	415	418	420	420	417	414	414	413	410	409	411	405	409	414	420	424	422	416
2	420	416	406	394	392	395	398	407	415	418	418	412	409	405	408	407	403	405	410	415	421	424	424	420	410
3	416	416	415	414	414	414	406	408	412	415	418	415	409	405	408	409	412	403	398	406	418	424	425	421	412
4	420	417	418	408	404	410	412	414	416	415	418	418	414	412	410	408	408	408	406	412	412	418	416	415	413
5	415	411	410	411	410	411	412	408	408	412	414	415	415	414	413	409	410	406	410	413	418	422	419	419	412
6	417	415	412	406	397	398	407	408	408	412	414	414	414	412	414	411	408	405	407	414	418	424	430	430	412
7	430	434	424	406	418	421	415	418	419	424	424	421	418	415	417	410	400	404	407	410	416	418	422	421	417
8	415	413	414	414	416	414	414	414	420	425	428	420	409	411	413	409	400	406	412	412	412	415	418	420	414
9 D	418	417	413	415	380	371	390	383	350	358	388	407	415	417	415	408	409	407	410	413	416	418	420	425	403
10	427	409	418	415	405	409	412	414	418	418	417	418	421	415	412	412	412	407	411	416	420	414	416	417	415
11	418	412	411	412	400	381	392	395	406	414	414	412	408	407	411	409	405	407	405	407	410	411	414	414	407
12	415	412	408	405	409	407	404	408	410	411	410	409	411	408	405	403	401	411	405	407	411	412	417	419	409
13	421	415	415	415	412	409	394	401	406	408	411	411	412	415	411	408	412	418	417	409	409	415	424	418	412
14	416	412	412	412	412	411	405	396	395	389	391	405	411	412	409	405	400	402	404	412	418	419	418	416	408
15 D	413	414	412	404	404	390	357	371	382	386	390	388	395	400	405	409	417	421	421	424	427	427	422	418	404
16	414	415	417	418	417	411	404	406	414	414	417	414	411	409	414	421	417	405	414	426	428	427	423	421	416
17	415	414	414	417	408	375	360	393	405	415	418	415	412	409	405	400	401	400	404	411	418	421	421	418	407
18	415	411	410	410	409	398	400	405	410	411	414	414	412	415	418	414	410	411	411	415	418	422	424	429	413
19 D	428	427	419	412	410	401	405	411	411	411	412	410	402	399	399	402	401	401	395	399	402	412	414	418	408
20 D	412	411	410	405	411	418	412	404	388	385	391	405	405	405	405	406	410	414	412	416	420	422	421	417	408
21 D	414	414	412	416	405	412	394	395	400	397	405	401	398	399	301	397	402	404	407	415	428	435	434	429	409
22	423	419	417	416	414	405	399	402	404	404	410	410	409	408	405	405	409	411	410	412	418	422	421	420	411
23	420	416	413	411	411	411	403	399	399	405	412	411	411	410	412	412	407	407	408	411	412	415	418	418	411
24 Q	416	416	415	415	413	413	412	408	413	416	419	418	416	413	409	410	410	405	402	410	416	421	420	422	413
25 Q	418	414	415	409	405	406	406	411	413	413	415	415	414	416	416	406	407	405	408	413	418	418	418	418	412
26 Q	413	413	412	406	407	405	407	409	409	410	412	412	407	406	403	400	402	402	400	402	413	413	416	413	408
27 Q	410	410	412	410	412	412	411	410	409	413	413	413	413	411	410	405	407	410	409	412	413	413	416	415	411
28 Q	415	410	410	412	412	412	412	412	410	412	413	413	409	406	406	405	402	402	404	410	411	417	418	415	410
29	410	408	408	408	408	408	406	406	406	406	407	408	408	405	404	403	403	408	408	412	413	413	418	421	409
30	416	413	412	409	409	409	408	403	401	403	404	408	407	406	400	400	401	406	412	418	421	415	413	416	409
31	417	411	405	400	405	395	399	403	407	402	408	410	408	408	403	409	406	410	411	419	424	431	429	429	410
Mean	417	415	413	410	408	405	402	404	406	408	411	412	410	409	409	407	407	407	408	412	417	419	420	420	411

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 28 Agincourt

July 1944

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	19	50	356	16	04	299	57	20	13	36.0	12	43	20.7	15.3	23	30	427	02	14	396	31
2	22	05	346	15	15	294	52	19	51	36.0	03	41	19.6	16.4	22	06	428	04	01	389	39
3	22	03	371	14	10	292	79	17	38	39.6	12	37	19.5	20.1	22	07	428	17	36	396	32
4	19	28	377	15	47	304	73	18	06	36.6	12	58	21.2	15.4	00	30	424	04	13	399	25
5	22	05	352	16	05	286	66	19	17	39.5	13	27	20.7	18.8	22	00	423	08	20	405	18
6	20	51	361	15	00	284	77	19	34	40.6	13	04	21.2	19.4	22	45	432	05	08	391	41
7	19	42	350	02	31	275	75	18	58	41.1	02	45	11.8	29.3	02	22	447	03	00	397	50
8	19	02	356	15	05	307	49	19	38	37.6	12	00	21.1	16.5	23	20	421	16	56	400	21
9 D	20	04	356	15	56	276	80	08	22	40.4	14	25	08.6	31.8	23	45	427	09	17	335	92
10	20	27	348	14	53	283	65	19	48	37.9	13	47	20.1	17.8	00	20	428	04	42	397	31
11	22	35	347	14	50	300	47	20	32	35.9	02	18	23.7	12.2	00	01	418	05	27	379	39
12	22	45	354	16	18	305	49	19	41	37.5	12	20	24.1	13.4	23	59	421	17	15	398	23
13	20	30	361	15	25	303	58	19	03	36.1	13	15	21.9	14.2	22	41	425	07	04	389	36
14	21	33	367	15	34	303	64	18	17	38.9	11	49	22.5	16.4	23	00	422	10	05	382	40
15 D	21	50	362	16	14	287	75	06	16	39.7	13	17	21.4	18.3	21	54	428	06	32	342	86
16	20	57	346	15	34	295	51	18	14	40.4	12	07	19.7	20.7	01	25	429	07	00	395	34
17	01	05	342	05	35	254	88	19	00	36.6	04	29	15.1	21.5	22	36	423	06	05	346	77
18	22	00	370	15	26	308	62	18	25	40.1	23	27	22.4	17.7	23	26	435	05	20	394	41
19 D	20	14	357	01	40	302	55	18	18	39.1	12	33	19.1	20.0	01	05	430	18	20	395	35
20 D	22	40	348	09	41	275	73	09	43	43.8	09	20	21.9	21.9	22	15	424	09	03	369	55
21 D	20	55	367	09	45	300	67	06	39	37.5	09	22	23.6	13.9	21	19	443	06	27	382	61
22	20	27	354	15	22	300	54	08	38	41.0	13	05	23.6	17.4	21	50	424	06	16	394	30
23	19	10	346	15	05	302	44	08	14	39.4	12	15	23.9	15.5	22	40	420	08	20	396	24
24 Q	21	17	341	16	00	300	41	17	46	36.7	13	10	23.3	13.4	23	00	424	18	15	400	24
25 Q	23	41	337	15	15	299	38	18	10	35.6	12	20	23.6	12.0	00	01	419	05	10	401	18
26 Q	20	48	345	15	00	293	52	17	58	34.2	13	24	22.4	11.8	22	25	419	17	49	397	22
27 Q	20	03	354	14	20	300	54	18	05	37.4	12	40	20.8	16.6	22	00	416	15	50	402	14
28 Q	21	15	362	15	25	281	81	18	03	36.5	12	07	24.3	12.2	22	22	421	16	35	399	22
29	19	26	357	14	40	302	55	18	35	35.8	12	06	20.7	15.1	22	51	422	14	50	399	23
30	23	59	349	14	15	294	55	16	13	37.2	11	32	22.0	15.2	20	36	424	15	20	396	28
31	21	20	349	15	33	307	42	17	03	36.8	11	28	21.7	15.1	22	50	435	05	44	387	48
Mean			354			294	60			38.1			20.8	17.3			426			389	37
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 1944

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	323	330	330	333	325	330	322	321	325	312	317	316	322	322	311	309	316	326	336	347	341	336	328	326	325
2 D	325	325	332	330	330	336	330	327	330	328	331	332	320	320	325	328	333	343	354	372	388	355	353	335	337
3 D	290	266	166	191	227	183	-3	197	210	224	256	289	302	300	296	293	290	301	314	325	320	327	325	323	259
4	307	312	310	314	315	316	316	316	315	315	312	306	301	289	289	300	307	315	322	323	325	325	320	322	312
5	316	312	318	322	323	323	321	317	315	311	310	312	306	295	284	282	293	297	310	320	327	320	327	330	307
6	321	326	321	328	325	326	325	322	323	317	317	315	303	290	285	280	289	307	327	336	335	340	333	332	318
7	324	326	324	319	321	324	325	321	321	319	321	314	308	296	293	291	299	306	318	332	337	344	334	331	319
8	334	332	328	324	324	325	325	324	319	319	322	320	319	306	295	288	307	321	329	334	248	245	243	247	324
9	325	317	313	319	321	320	319	321	320	322	322	321	315	310	308	305	303	306	321	321	324	334	337	332	319
10	335	332	335	334	332	329	327	321	319	324	322	334	321	305	293	298	311	314	322	329	329	330	337	319	323
11	311	307	316	311	313	319	320	326	322	321	319	319	317	314	314	309	312	315	321	332	342	337	339	335	320
12	326	321	316	324	309	306	310	305	314	316	319	314	308	299	295	303	311	324	321	324	324	325	332	325	316
13	321	326	323	324	324	324	324	314	314	306	309	311	305	296	293	293	298	309	321	335	335	334	329	326	317
14	326	327	326	329	327	325	326	326	326	325	327	324	318	303	296	299	316	331	345	361	345	344	341	344	327
15	337	335	336	337	335	324	324	325	326	319	313	313	306	299	293	299	304	319	334	337	337	334	329	326	323
16	322	325	326	327	329	330	329	330	329	329	328	325	319	304	286	293	303	313	332	340	335	337	340	336	324
17	329	319	314	327	321	325	321	324	326	324	321	320	314	309	293	291	306	322	337	345	345	342	339	344	323
18 D	332	329	335	339	339	337	341	322	275	309	299	311	293	281	270	269	273	285	303	324	337	335	327	320	313
19	317	308	301	314	298	281	309	309	314	319	314	311	306	296	285	284	296	306	311	314	315	322	326	327	308
20 Q	316	309	314	320	320	329	324	321	319	316	319	316	306	291	283	286	294	306	314	326	329	325	322	324	314
21 Q	324	326	327	324	322	324	329	329	327	326	324	324	317	308	299	296	303	306	314	322	325	334	329	328	320
22	324	322	319	319	322	321	321	320	320	325	326	320	315	304	296	295	301	316	327	336	339	342	334	320	320
23	306	301	314	324	326	321	324	309	317	311	311	316	305	304	292	295	298	314	329	339	333	331	334	329	316
24	326	324	314	309	316	310	334	324	322	329	330	329	305	295	293	290	293	301	304	311	317	322	321	316	314
25 Q	319	317	314	314	309	316	319	320	321	319	319	314	314	309	301	291	303	314	326	332	335	332	325	324	317
26 Q	320	320	321	319	319	321	320	322	320	320	320	316	308	294	285	294	314	331	346	345	350	348	336	324	321
27	319	327	327	324	319	309	309	317	319	319	319	316	306	295	291	299	311	329	345	352	335	331	340	335	321
28 D	332	330	326	329	327	325	332	275	306	314	311	303	304	306	285	280	286	304	322	329	329	322	321	318	313
29 Q	318	317	317	319	318	318	317	317	318	319	318	315	304	288	286	301	315	331	342	348	344	342	332	320	319
30	313	315	316	314	309	316	326	322	322	324	324	313	303	300	296	301	304	319	329	331	345	329	331	333	318
31 D	324	317	316	317	329	322	322	313	308	320	314	309	309	301	296	302	296	303	321	329	336	325	326	319	316
Mean	321	319	316	319	318	317	313	315	315	316	316	316	309	301	293	294	303	314	326	334	336	334	332	328	317

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 30 Agincourt

D = 7° W + . . . °

August 1944

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	32.2	32.0	27.6	28.1	27.8	29.2	27.8	32.8	28.7	29.3	30.4	27.3	25.5	25.9	28.6	32.6	33.7	35.0	33.6	31.8	30.9	30.4	29.9	30.2	30.1
2 D	30.7	30.9	30.4	29.8	30.2	28.6	26.5	27.6	26.5	24.9	23.2	22.5	22.8	24.9	26.5	29.9	31.8	32.3	31.4	31.1	34.7	31.8	29.3	28.4	28.6
3 D	15.1	16.4	31.1	16.3	20.2	34.5	67.5	37.5	28.9	44.8	20.8	19.5	19.9	23.2	26.9	30.6	34.3	36.9	36.7	34.1	33.3	32.3	31.5	27.5	27.4
4	27.7	28.7	28.2	30.8	31.4	31.1	30.3	30.3	29.9	28.3	26.3	25.5	24.8	26.7	30.0	34.0	36.7	38.4	38.3	36.5	34.1	32.2	31.1	30.4	30.9
5	30.2	29.1	30.2	29.9	29.3	30.6	29.9	29.6	29.3	29.2	27.6	25.0	23.6	24.5	27.1	31.1	35.0	36.7	39.1	38.7	37.6	35.5	32.0	30.8	30.9
6	32.0	31.4	27.8	26.3	27.7	30.4	29.5	28.5	32.2	27.7	22.3	21.0	20.5	22.7	27.0	34.1	38.6	41.4	38.7	35.8	33.5	32.6	30.4	29.6	30.1
7	30.1	30.3	24.7	28.1	29.6	30.8	29.6	28.5	28.4	27.6	25.0	22.0	19.7	20.2	24.0	28.3	33.1	35.6	36.8	36.0	34.9	32.9	31.4	30.5	29.1
8	31.3	31.2	31.0	30.3	29.9	29.0	27.5	27.5	27.3	28.3	25.0	21.2	20.7	21.1	24.3	30.1	35.4	36.6	36.6	35.5	33.6	33.7	32.6	31.5	29.6
9	31.3	27.5	28.5	29.5	32.2	29.5	27.3	28.4	27.8	27.5	26.6	24.9	23.1	22.2	23.2	25.8	28.9	32.5	33.7	35.3	35.7	34.5	33.5	30.3	29.2
10	29.4	31.0	30.7	29.4	29.9	29.5	32.2	25.9	24.5	22.8	28.3	24.1	23.0	24.8	27.1	31.2	32.6	33.5	35.6	35.6	34.6	32.6	30.7	29.8	29.5
11	27.5	27.4	19.2	26.4	28.0	28.6	30.4	30.9	31.0	29.0	27.3	24.5	23.4	24.2	27.4	30.3	33.4	36.6	38.5	37.2	34.9	33.0	32.0	25.2	29.5
12	27.4	30.3	25.2	27.0	25.8	24.7	26.6	26.3	29.2	26.3	25.3	24.9	24.6	26.0	27.4	31.2	34.1	34.8	34.6	33.1	32.8	33.0	31.7	28.5	28.8
13	29.8	26.0	29.4	31.0	29.9	29.7	27.4	26.8	25.5	24.5	25.9	24.5	23.3	24.4	28.9	33.5	36.7	27.6	36.9	35.4	33.5	31.3	30.4	30.3	29.7
14	31.2	31.1	30.2	30.7	30.3	30.0	29.3	28.5	28.0	26.3	25.5	23.9	23.1	25.1	27.5	33.4	37.2	28.1	26.4	34.0	33.9	32.0	30.6	31.5	30.4
15	33.1	32.0	32.0	31.0	28.5	28.8	28.3	26.7	25.7	26.0	25.2	21.9	22.5	23.6	27.4	32.8	35.8	37.3	37.2	34.4	30.1	28.3	27.6	29.2	29.4
16	30.0	30.5	30.1	27.9	29.0	29.4	29.0	27.5	27.5	26.7	25.0	23.1	21.2	21.9	23.7	25.6	32.5	37.3	38.5	38.4	36.6	33.9	31.9	30.7	29.5
17	31.2	29.5	30.5	27.5	29.2	29.6	29.4	29.2	29.5	27.7	27.2	26.4	24.9	24.4	24.8	33.2	36.9	39.0	38.5	36.5	33.1	31.2	30.0	30.5	30.5
18 D	28.3	20.1	20.5	21.5	20.9	16.2	14.3	13.7	34.2	17.9	16.5	16.6	16.7	21.9	26.4	31.3	31.5	37.6	38.5	36.0	33.3	31.3	30.8	30.0	25.3
19	26.7	26.4	24.6	23.7	24.9	20.3	28.3	28.1	32.6	29.3	25.5	23.4	22.6	24.5	27.6	33.7	36.5	37.1	36.5	34.9	33.0	31.8	30.2	29.5	28.8
20 Q	28.8	28.3	30.1	29.7	29.9	31.2	29.8	29.3	29.4	27.1	25.2	23.4	23.8	23.5	28.2	32.3	35.8	38.1	37.2	34.8	33.0	31.9	31.1	30.6	30.1
21 Q	30.4	29.4	26.1	29.7	28.4	29.4	29.4	29.1	28.4	27.6	27.1	25.6	24.7	25.0	27.4	31.8	33.7	34.5	35.8	35.5	34.1	32.6	31.1	29.8	29.9
22	29.8	29.2	29.2	28.3	28.2	26.7	28.3	28.0	27.4	30.9	27.2	22.5	21.0	21.6	25.1	31.0	34.9	36.4	35.8	34.6	32.8	31.2	31.1	31.0	29.3
23	25.8	17.6	28.3	28.5	28.4	26.7	26.5	20.4	28.6	19.5	18.1	16.4	24.4	25.7	27.4	31.5	35.5	39.6	40.1	39.2	38.3	33.6	30.7	29.0	28.4
24	30.0	30.0	27.8	26.9	28.5	28.4	27.6	23.1	28.6	31.1	23.9	19.9	20.5	28.8	30.5	32.2	36.5	37.0	38.5	38.5	37.3	35.0	32.7	31.3	30.2
25 Q	30.9	30.4	30.2	30.7	25.8	29.4	30.5	30.6	30.2	29.6	29.4	27.6	24.4	23.2	24.1	27.5	37.1	38.3	38.2	35.8	32.9	31.1	30.0	29.8	30.4
26 Q	30.4	30.4	29.7	29.3	29.3	29.1	29.3	29.3	28.5	27.5	26.6	26.0	24.6	26.0	29.4	34.9	39.6	40.5	38.2	36.0	33.4	31.3	31.4	31.4	30.9
27	30.9	31.2	31.7	31.1	29.1	27.6	31.3	31.1	28.4	27.6	27.0	25.7	24.8	25.7	30.0	33.1	35.1	35.4	33.7	33.1	33.9	32.2	32.6	33.2	30.6
28 D	33.4	32.7	32.1	31.9	30.9	23.9	17.5	20.9	19.3	22.9	22.3	22.4	24.7	28.9	32.7	35.8	40.2	40.1	36.8	33.9	31.9	29.0	29.3	30.9	29.4
29 Q	31.6	31.0	31.4	31.2	31.1	30.0	29.2	28.4	27.8	27.4	25.7	24.7	24.4	26.5	31.8	37.5	38.2	32.9	31.1	28.7	27.3	27.3	28.0	24.3	29.4
30	30.5	30.5	33.1	28.5	29.4	30.4	28.4	27.6	28.2	26.0	25.8	26.3	30.2	31.1	32.1	34.9	35.7	35.7	34.9	33.8	32.4	32.6	32.1	31.3	30.9
31 D	28.5	25.4	26.8	33.3	32.1	27.4	28.4	33.3	36.0	25.7	23.3	24.9	22.7	23.6	26.0	30.5	35.4	38.5	36.4	34.3	32.0	30.9	27.5	28.0	29.6
Mean	29.5	28.6	26.6	28.5	28.5	28.5	29.3	27.9	28.6	27.4	25.2	23.4	23.1	24.6	27.5	31.8	35.3	36.8	36.6	35.1	33.6	32.1	30.8	29.8	29.5

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

Table 31 Agincourt

Z = 56,000 γ +

August 1944

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	421	415	412	405	406	407	405	405	394	405	403	393	402	408	406	402	401	400	405	410	416	414	413	412	412	406	
2 D	411	411	409	413	410	397	399	408	411	410	410	410	410	407	406	405	401	404	408	416	429	474	484	505	419		
3 D	439	442	301	255	340	320	234	260	261	277	328	354	384	410	415	419	424	423	419	422	429	436	442	442	370		
4	432	415	422	416	417	415	416	416	415	416	416	412	412	408	410	410	412	416	418	421	425	425	426	423	417		
5	421	418	417	415	410	406	412	413	416	416	415	413	411	412	414	410	409	407	408	412	419	421	425	427	415		
6	425	419	408	376	400	409	410	410	393	393	406	409	410	408	412	410	408	406	411	412	419	422	422	422	409		
7	416	416	409	413	413	406	403	410	413	415	414	413	411	412	415	409	412	413	413	417	422	425	421	416	413		
8	413	413	413	413	413	412	411	411	411	409	405	407	407	405	405	405	408	408	411	421	426	423	419	419	412		
9	416	415	419	418	408	402	408	410	410	413	415	415	413	411	409	401	402	402	404	412	412	413	415	415	410		
10	414	413	413	411	414	406	332	348	374	391	408	408	408	402	406	409	414	419	418	422	422	420	423	423	405		
11	424	426	407	407	417	414	400	389	401	412	416	416	414	411	409	402	402	403	406	407	414	419	419	426	411		
12	422	420	406	366	393	400	398	394	411	414	416	418	418	415	416	411	409	408	407	410	410	414	419	422	409		
13	424	414	407	413	410	407	396	394	394	407	412	411	409	409	407	408	413	414	416	414	416	417	416	413	410		
14	410	410	410	409	409	409	409	409	409	409	410	408	404	403	401	397	402	408	414	421	420	423	418	415	410		
15	410	410	413	401	399	409	412	411	413	407	407	407	409	405	404	401	403	408	414	416	417	417	415	415	409		
16	412	413	411	409	411	411	413	410	410	408	408	405	403	403	401	401	402	404	409	412	417	419	419	420	410		
17	423	422	422	406	410	414	411	412	412	412	413	414	413	413	413	410	410	409	412	416	417	417	414	415	414		
18 D	416	407	406	412	411	412	407	394	296	352	378	396	397	401	403	399	406	413	420	423	423	423	422	422	401		
19	417	408	414	404	385	372	393	396	404	407	412	414	412	408	411	408	409	407	412	415	419	420	419	420	408		
20 Q	418	419	420	417	416	406	403	407	410	410	413	416	409	406	401	403	403	407	412	417	419	417	414	414	411		
21 Q	414	412	407	407	409	412	410	411	411	412	413	413	411	408	409	414	413	413	417	423	426	424	422	422	414		
22	421	419	418	414	396	405	410	412	415	413	409	413	413	413	412	411	411	415	419	423	425	421	426	427	415		
23	428	417	420	424	421	408	395	389	378	372	394	398	406	408	401	393	385	387	388	397	404	405	400	398	401		
24	393	394	398	399	377	353	352	373	376	351	356	363	365	362	365	376	381	388	394	399	400	400	399	397	380		
25 Q	394	393	392	389	388	391	392	393	392	391	393	395	394	394	393	395	397	400	401	401	400	399	398	397	395		
26 Q	393	392	392	391	392	391	391	390	391	391	387	388	386	382	381	379	383	389	391	393	394	394	397	397	390		
27	395	391	388	386	385	380	382	383	388	387	390	389	388	388	387	386	385	387	393	394	395	392	393	391	388		
28 D	388	391	388	389	388	354	308	271	351	368	385	382	381	371	377	379	386	393	395	400	407	404	401	395	377		
29 Q	395	393	393	393	393	392	392	392	392	392	393	393	392	392	392	392	392	392	392	389	389	388	388	389	391		
30	389	391	389	362	368	374	382	387	387	386	387	388	386	386	386	388	392	391	392	397	402	395	392	394	387		
31 D	394	394	389	360	358	387	392	375	344	380	382	381	385	382	380	380	385	397	400	398	405	402	405	405	386		
Mean	413	410	404	397	399	396	390	390	390	390	394	400	401	402	401	401	400	401	404	407	411	414	416	416	416	403	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 32 Agincourt

August 1944

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	19 35	354	14 19	305	49	17 15	35.6	12 45	24.0	11.6	00 03	422	08 29	388	34
2 D	20 31	405	23 59	290	115	22 49	41.9	23 59	06.5	35.4	23 56	570	06 11	389	181
3 D	00 25	337	06 30	-091	428	06 39	79.3	02 47	-39.3	118.6	00 37	488	06 18	090	398
4	21 10	330	14 21	281	49	17 55	39.3	00 55	13.4	25.9	00 52	440	01 15	407	33
5	23 04	338	15 43	274	64	19 15	39.6	12 13	23.2	16.4	23 00	429	18 28	405	24
6	21 17	346	15 45	277	69	17 20	42.4	12 18	19.6	22.8	23 00	425	03 17	364	61
7	21 40	349	15 14	283	66	18 41	37.0	12 50	18.8	18.2	21 45	426	06 13	400	26
8	20 20	356	15 30	286	70	16 53	38.5	11 46	20.0	18.5	20 23	431	10 18	400	31
9	00 04	342	16 50	298	44	20 07	36.3	14 00	21.6	14.7	03 25	421	18 17	398	23
10	03 05	342	14 20	285	57	06 20	39.8	09 20	21.9	17.9	23 59	425	06 36	305	120
11	21 00	363	02 18	296	67	18 25	39.0	02 35	10.6	28.4	23 44	433	07 18	384	49
12	22 14	341	16 10	288	53	16 56	35.7	00 01	18.5	17.2	23 59	423	03 04	329	94
13	20 20	344	16 07	290	54	17 48	37.8	01 33	18.9	18.9	01 02	434	08 25	387	47
14	19 40	371	14 35	292	79	17 22	39.2	12 19	22.8	16.4	19 40	426	15 30	393	33
15	03 55	345	15 00	290	55	17 30	37.8	11 30	20.4	17.4	21 00	420	03 56	388	32
16	21 02	348	14 31	283	65	19 27	40.3	12 55	19.4	20.9	23 59	426	15 00	398	28
17	19 50	351	15 10	287	64	13 27	39.5	14 07	23.9	15.6	00 03	426	03 44	391	35
18 D	06 05	363	08 24	211	152	08 33	56.5	08 07	11.9	44.6	19 50	426	08 55	220	206
19	23 04	332	05 06	270	62	17 35	37.6	05 13	15.0	22.6	00 28	426	05 27	356	70
20 Q	20 54	342	14 35	279	63	17 46	39.2	13 15	22.3	16.9	02 10	420	06 00	398	22
21 Q	21 30	339	14 59	291	48	18 34	36.1	02 25	23.0	13.1	21 30	427	02 35	402	25
22	21 40	346	15 30	294	52	17 44	36.6	13 05	20.4	16.2	23 58	429	04 32	387	42
23	20 58	352	14 33	287	65	19 16	41.0	01 03	13.4	27.6	00 50	434	08 41	355	79
24	06 13	339	15 00	280	59	18 23	39.4	12 20	17.2	22.2	22 00	404	06 23	340	64
25 Q	19 47	340	15 40	288	52	17 50	38.6	13 03	22.9	15.7	19 00	403	03 56	383	20
26 Q	21 23	356	14 40	280	76	17 35	41.3	12 17	24.2	17.1	21 50	399	14 57	375	24
27	19 00	363	14 03	286	77	17 20	35.8	12 23	24.7	11.1	22 19	397	05 37	373	24
28 D	06 27	366	07 47	243	123	16 47	42.7	02 20	07.7	35.0	20 00	411	07 19	216	195
29 Q	19 58	350	14 14	284	66	16 13	39.1	23 47	23.8	15.3	01 30	395	15 35	385	10
30	20 45	357	16 02	289	68	16 04	36.5	11 04	23.6	12.9	20 37	407	03 45	346	61
31 D	04 12	355	17 07	275	80	08 04	46.4	10 52	20.9	25.5	23 45	409	08 19	303	106
Mean		350		270	80		40.8		17.2	23.6		428		357	71
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 1944

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	313	323	323	315	323	323	323	321	319	320	321	309	305	294	288	293	300	305	315	320	325	325	328	329	315	
2 D	287	310	308	298	292	253	283	283	318	316	301	284	305	300	288	273	279	287	303	310	323	326	318	308	298	
3	302	302	316	320	318	318	319	310	318	314	308	309	303	292	282	270	279	295	308	323	325	326	324	326	308	
4	323	323	312	313	319	318	319	320	323	323	321	318	311	298	292	289	296	308	323	334	330	319	324	311	315	
5	303	308	319	325	326	331	325	323	322	320	319	315	305	298	289	286	294	312	321	328	334	330	328	321	316	
6	321	323	324	323	323	323	323	321	323	324	323	319	308	295	294	298	307	322	335	341	343	355	342	336	323	
7	336	332	332	329	330	325	321	322	312	318	313	311	299	286	275	269	276	294	318	334	340	336	330	328	315	
8	328	328	325	323	323	323	323	322	324	324	323	324	318	302	299	300	295	299	305	315	323	316	315	318	317	
9 Q	308	319	320	321	323	323	324	323	322	323	319	316	312	304	301	300	298	303	316	326	327	328	329	328	317	
10	329	328	325	320	319	323	318	315	318	320	321	320	320	309	304	303	309	319	331	341	334	330	335	326	321	
11	325	324	319	322	323	323	321	326	324	323	324	318	308	294	285	290	294	307	318	328	334	318	326	313	316	
12	328	333	324	327	324	318	313	321	323	321	312	309	303	299	299	293	294	304	312	316	323	324	330	325	316	
13	323	323	324	324	325	324	323	321	321	326	328	324	315	305	303	300	305	314	326	338	347	345	320	312	322	
14	316	316	315	332	331	315	315	319	319	328	328	321	314	300	297	294	302	313	326	332	334	338	331	333	319	
15 Q	331	334	334	333	341	323	326	319	321	319	321	323	318	310	306	304	311	326	335	339	336	335	331	332	325	
16 Q	328	328	323	314	312	308	312	317	321	321	323	319	318	307	303	304	308	316	325	332	331	329	324	324	319	
17 Q	326	328	324	321	321	323	323	327	325	328	331	326	319	313	306	304	310	316	331	341	342	335	333	335	324	
18	327	312	293	308	314	318	305	309	321	320	323	321	318	310	304	302	309	321	334	331	327	322	323	324	317	
19 Q	326	323	323	324	325	327	324	326	328	330	328	323	317	306	297	295	298	307	320	330	333	333	332	334	321	
20	333	331	330	331	330	330	331	332	336	336	336	331	323	314	305	301	304	316	321	342	351	347	361	324	329	
21 D	319	323	292	308	319	325	316	318	318	312	309	313	313	299	290	282	288	299	310	326	331	331	330	320	312	
22	319	319	319	316	315	321	323	321	323	326	325	322	318	308	302	293	295	308	324	328	335	330	316	284	316	
23	301	305	306	331	317	317	317	320	320	321	324	326	319	301	291	284	289	311	332	348	345	344	318	320	317	
24 D	314	289	292	297	303	307	314	304	265	301	319	315	303	281	277	290	291	299	311	309	314	320	301	313	301	
25	315	321	314	313	316	321	317	319	318	319	319	319	316	304	295	291	296	304	310	304	313	313	320	322	312	
26	291	307	319	319	314	319	320	316	319	323	320	316	314	306	296	293	305	313	317	320	321	321	319	324	314	
27 D	325	323	318	311	311	314	319	319	315	325	324	317	313	314	310	303	300	293	301	309	316	315	321	320	314	
28	321	319	324	324	319	309	316	313	319	321	324	321	314	306	296	303	311	323	324	325	324	321	320	322	318	
29	321	318	321	319	316	305	315	320	324	321	324	325	313	305	298	293	299	308	311	318	322	323	328	329	316	
30 D	326	329	329	328	327	328	325	323	322	329	334	334	314	293	252	259	319	320	327	298	304	304	323	286	314	
31																										
Mean	319	320	318	319	320	318	318	318	319	321	321	318	312	302	294	292	299	308	319	326	330	327	326	321	316	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 34 Agincourt

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

September 1944

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	28.7	16.7	25.9	30.5	31.2	30.2	30.2	27.9	28.0	27.6	26.3	25.6	25.6	26.3	30.4	34.3	36.6	38.4	37.8	35.9	32.1	29.4	28.4	28.3	29.7
2 D	24.2	22.6	23.9	24.3	26.7	41.7	50.6	33.6	35.4	25.4	26.3	35.1	29.3	24.7	28.7	34.8	38.1	39.2	40.0	39.3	32.9	30.7	24.6	27.4	31.6
3	27.0	25.2	29.8	30.3	30.3	30.2	29.6	36.9	28.4	26.3	26.1	25.6	20.9	22.0	25.3	28.7	32.9	35.7	36.5	34.8	32.0	29.4	28.7	28.8	29.3
4	29.3	29.6	29.4	29.6	28.5	29.5	29.5	29.3	28.5	27.6	26.1	24.2	22.8	23.6	26.6	31.4	35.4	38.8	38.6	37.5	36.1	34.1	33.9	31.2	30.4
5	26.1	27.1	30.6	30.5	30.3	31.5	29.6	28.2	27.8	28.2	27.3	26.3	25.4	26.4	28.6	33.0	35.4	36.7	36.7	35.4	32.5	30.9	30.5	30.9	30.3
6	29.6	29.9	30.8	30.3	30.3	30.3	30.2	29.9	29.0	28.5	27.5	24.7	21.8	22.4	25.8	30.8	35.1	38.2	38.4	36.0	34.5	32.0	31.7	31.9	30.4
7	31.5	30.8	30.2	30.4	29.9	24.6	29.7	28.3	27.4	27.7	24.5	24.7	23.7	23.5	27.2	31.4	35.3	39.0	39.4	37.7	34.2	31.0	29.9	30.1	30.1
8	30.6	30.5	29.6	29.2	30.4	30.2	29.8	29.2	30.5	31.1	30.4	30.4	30.8	29.9	30.0	32.6	33.8	36.0	37.2	36.3	36.1	33.8	32.9	30.9	31.7
9 Q	24.4	28.3	29.9	29.6	31.1	29.3	28.3	27.8	27.5	26.8	26.3	24.6	23.6	24.0	25.6	28.3	31.1	33.2	33.6	33.3	32.0	30.8	30.7	31.7	28.8
10	31.3	31.3	28.4	29.6	29.4	31.0	30.8	33.5	31.4	26.9	26.5	23.7	23.2	25.5	27.8	32.3	33.2	33.8	34.6	33.5	32.9	31.9	32.0	31.6	30.3
11	30.8	28.3	29.3	30.1	30.8	30.0	29.9	28.1	24.7	24.8	25.4	24.5	24.6	25.2	28.1	31.8	34.4	35.9	36.4	34.4	32.4	30.8	28.2	26.4	29.3
12	29.3	28.4	24.4	30.4	32.1	33.3	36.7	28.6	29.5	23.2	23.5	26.5	26.7	25.7	29.7	32.6	36.1	36.6	35.3	33.7	31.5	29.9	29.6	29.2	30.1
13	28.5	29.6	30.3	30.3	30.2	29.9	29.3	28.9	28.9	27.9	26.5	25.5	25.6	27.2	29.5	32.2	34.5	36.1	36.3	34.1	31.8	30.4	31.1	29.9	30.2
14	29.2	26.9	24.0	33.1	32.6	28.2	29.2	28.6	27.2	27.1	26.4	26.1	25.5	26.4	31.0	33.3	35.6	38.4	38.3	36.0	32.3	30.4	29.5	30.3	30.3
15 Q	31.5	31.1	30.8	29.6	31.5	31.0	27.7	25.9	27.2	28.3	28.4	26.4	25.6	26.8	28.3	31.4	34.2	35.2	34.1	31.9	30.2	29.0	28.9	29.3	29.7
16 Q	29.9	29.9	29.9	29.6	27.0	28.7	28.3	28.3	26.6	26.2	26.9	26.2	26.0	27.8	29.6	32.9	33.2	32.0	32.3	31.3	30.1	29.4	30.2	30.1	29.3
17 Q	30.1	30.1	29.6	29.3	27.9	28.3	28.3	27.7	27.3	27.6	29.0	26.1	25.5	25.8	27.2	27.9	30.3	32.6	32.0	31.6	31.0	30.5	30.2	29.9	29.0
18	30.1	26.9	24.5	27.8	32.1	31.0	24.7	31.1	29.1	25.8	25.5	25.6	25.6	26.4	28.3	29.5	33.3	35.3	34.7	33.2	31.3	30.2	29.4	30.0	29.3
19 Q	29.4	29.8	29.4	30.1	29.5	29.6	29.3	28.3	28.1	27.5	26.7	25.6	25.0	25.0	26.8	30.9	33.8	36.5	37.0	36.5	34.4	32.3	30.2	29.6	30.1
20	29.6	29.3	29.8	29.3	29.3	29.1	28.7	28.9	27.7	27.2	26.5	25.0	24.6	25.2	26.7	30.4	32.7	36.1	37.8	36.9	34.7	32.6	32.5	39.9	30.4
21 D	30.1	29.4	-2.0	26.9	29.3	30.1	28.2	32.5	28.6	26.2	29.9	27.8	24.6	24.4	27.0	30.5	33.3	36.1	37.3	36.5	34.7	32.9	31.3	28.3	28.9
22	27.4	28.3	28.3	30.0	29.6	30.5	31.1	30.8	29.7	29.0	27.7	26.2	24.6	23.9	25.1	27.8	32.6	35.3	36.5	36.6	34.2	33.0	33.2	26.2	29.9
23	28.1	28.9	26.2	23.8	29.6	29.0	31.3	34.0	28.4	27.4	26.4	25.2	22.9	22.3	24.8	28.5	31.4	34.0	35.2	34.4	35.1	38.7	39.2	37.7	30.1
24 D	14.8	14.7	17.8	20.2	19.7	23.7	22.6	19.2	39.4	36.7	25.2	24.7	24.7	28.3	31.9	30.4	32.6	34.7	35.6	35.5	34.3	33.4	30.2	30.2	27.5
25	27.8	23.8	26.8	28.7	35.6	35.8	31.7	29.6	27.9	28.0	27.6	27.3	26.4	25.3	28.1	30.1	33.7	35.3	36.1	36.7	34.4	33.3	31.1	29.6	30.4
26	19.2	26.4	32.0	31.1	30.1	30.2	29.2	31.1	31.0	28.3	27.2	27.2	25.8	25.5	27.5	32.3	33.5	34.1	34.3	33.8	32.9	32.9	31.9	31.8	30.0
27 D	31.0	30.4	29.6	27.2	27.9	35.6	30.6	27.4	33.9	27.4	27.3	27.3	29.0	29.3	29.0	30.5	31.6	35.5	38.3	36.0	35.8	31.6	31.9	31.7	31.1
28	30.5	29.7	28.6	27.3	30.1	28.3	29.9	29.1	31.9	30.6	28.3	27.8	27.3	26.2	27.9	31.7	34.7	35.6	34.4	32.9	31.1	30.6	29.8	29.9	30.2
29	30.1	29.3	30.2	28.3	26.5	27.7	29.9	29.6	26.5	27.3	30.3	28.3	26.8	25.7	28.7	30.1	33.0	35.5	35.7	34.8	33.8	31.9	31.1	30.9	30.1
30 D	31.1	30.2	30.0	29.6	29.5	29.5	29.3	29.0	31.0	28.3	27.4	26.6	24.9	30.0	35.6	41.1	40.7	36.3	34.3	37.2	38.3	35.5	33.8	26.2	31.9
31																									
Mean	28.3	27.8	27.3	28.9	29.6	30.3	30.1	29.3	29.3	27.7	27.0	26.3	25.2	25.7	28.3	31.4	34.1	35.9	36.2	35.1	33.3	31.8	30.9	30.3	30.0

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

Table 35 Agincourt

z = 56,000 γ +

September 1944

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	408	392	383	393	396	395	391	392	393	389	391	389	388	387	388	389	395	394	398	401	400	398	394	399	393	
2 D	411	388	393	372	370	310	251	310	353	380	382	352	351	365	373	381	389	396	404	411	413	412	414	414	375	
3	415	409	398	397	394	392	388	369	386	393	389	398	399	398	392	391	396	396	396	402	402	398	396	392	395	
4	396	393	392	392	388	392	392	390	390	388	387	387	385	382	383	380	381	384	393	400	406	416	425	392		
5	413	402	396	391	389	379	380	387	388	388	389	390	388	389	388	383	383	385	391	395	396	394	392	390	390	
6	388	387	387	386	386	386	386	386	386	385	385	386	385	380	380	380	377	376	386	389	384	383	382	383	384	
7	382	383	383	383	384	372	373	384	376	366	379	389	386	383	383	382	381	383	387	391	393	389	386	384	383	
8	384	382	383	388	386	386	383	383	377	369	369	363	360	363	366	377	380	388	394	401	408	412	409	404	384	
9 Q	401	395	390	388	379	379	388	388	387	386	388	388	386	382	379	379	384	387	392	393	390	388	387	388	387	
10	384	385	385	380	386	388	385	380	371	375	380	381	380	377	378	379	377	375	377	384	387	389	389	386	382	
11	389	387	384	385	386	386	371	376	381	381	386	386	386	383	387	387	387	386	386	391	396	397	399	399	387	
12	394	391	381	387	393	384	368	374	375	375	381	384	381	375	381	387	387	387	387	393	396	394	394	394	386	
13	393	392	391	387	387	388	390	390	389	388	387	387	387	384	380	383	384	384	388	389	387	391	392	396	388	
14	393	391	381	366	364	376	384	385	387	388	387	384	384	383	384	388	389	389	386	390	389	389	389	388	385	
15 Q	385	384	388	382	360	372	372	380	383	383	384	386	386	384	385	382	381	384	390	395	395	390	385	388	384	
16 Q	387	388	389	391	390	390	390	389	389	388	388	389	388	388	389	389	390	393	394	396	393	393	391	392	390	
17 Q	390	390	390	389	390	389	389	387	386	385	384	383	384	384	387	385	383	383	384	386	386	386	387	388	387	
18	388	393	401	395	372	364	370	378	373	376	382	386	388	384	386	385	382	378	381	387	391	394	393	391	384	
19 Q	387	388	388	387	385	384	384	384	383	381	381	384	387	387	385	383	380	378	383	384	388	390	390	389	385	
20	386	385	384	382	383	383	382	380	380	381	382	384	383	380	378	372	370	375	376	377	378	383	396	446	384	
21 D	411	397	408	390	391	388	387	365	381	370	377	383	383	385	387	385	388	397	402	401	399	396	393	396	390	
22	390	391	390	382	387	386	389	388	388	387	388	391	390	388	389	390	390	393	394	396	400	402	410	435	393	
23	420	410	399	372	374	383	383	380	382	385	387	391	387	382	378	376	378	381	382	384	390	402	429	470	392	
24 D	483	426	411	403	402	390	376	377	348	331	375	388	385	383	390	394	394	390	394	397	395	403	412	406	394	
25	396	381	383	382	357	355	373	380	383	384	388	383	387	384	384	383	385	387	389	394	399	402	400	400	385	
26	401	397	395	390	390	385	371	382	385	383	387	384	386	386	384	384	384	385	387	390	390	391	394	391	387	
27 D	390	390	390	389	390	376	374	378	374	381	386	383	384	384	381	383	379	383	389	396	404	409	399	393	387	
28	391	389	382	382	384	388	388	384	378	381	384	388	387	389	386	389	392	394	394	394	394	390	390	391	388	
29	390	387	389	384	376	380	383	387	383	381	379	381	382	382	383	377	374	378	384	389	390	393	391	388	384	
30 D	389	389	384	384	384	384	384	383	376	377	382	383	383	384	388	385	396	384	393	412	420	401	409	443	391	
31																										
Mean	398	392	390	386	383	380	378	380	380	380	384	384	384	383	384	384	384	386	389	393	395	396	397	402	387	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 36 Agincourt

September 1944

Day	Horizontal Intensity					Declination					Vertical Intensity				
	Maximum 15,000 γ +		Minimum 15,000 γ +		Range γ	Maximum 7° W +		Minimum 7° W +		Range '	Maximum 56,000 γ +		Minimum 56,000 γ +		Range γ
	h. m.	γ	h. m.	γ		h. m.	'	h. m.	'		h. m.	γ	h. m.	γ	
1	01 30	339	14 27	276	63	17 55	38.8	01 24	05.1	33.7	01 03	419	01 52	373	46
2 D	21 05	334	05 43	225	109	06 12	<u>61.6</u>	01 00	16.3	45.3	01 00	436	06 02	<u>206</u>	230
3	19 46	329	15 20	266	63	07 17	<u>44.7</u>	12 15	20.2	24.5	00 32	425	07 35	355	70
4	19 58	347	15 03	286	61	14 23	39.1	13 11	21.4	17.7	23 40	430	15 10	379	51
5	05 34	337	15 10	283	54	17 47	<u>37.5</u>	00 45	17.4	20.1	00 01	424	05 50	369	55
6	21 00	362	14 55	287	75	21 50	39.6	12 38	20.8	18.8	00 10	390	15 30	376	14
7	20 33	342	15 56	268	74	18 10	39.6	05 37	19.7	19.9	20 30	395	09 18	358	37
8	11 15	330	17 00	290	40	18 17	39.6	13 37	27.0	12.6	22 00	416	11 54	358	58
9 Q	22 14	341	15 00	290	51	18 55	34.2	13 15	21.5	12.7	00 12	408	05 00	369	39
10	22 26	357	15 32	300	57	08 08	37.2	12 02	22.1	15.1	22 29	399	09 00	366	33
11	20 42	341	14 36	280	61	18 15	37.2	12 47	14.4	22.8	22 20	401	06 20	367	34
12	02 19	339	15 50	288	51	06 17	40.4	10 08	20.1	20.3	00 15	398	06 36	361	37
13	21 35	359	15 24	296	63	17 35	38.6	11 50	23.8	14.8	23 14	399	14 35	379	20
14	03 55	356	14 30	288	68	17 45	39.9	02 02	13.5	26.4	00 01	396	04 03	340	56
15 Q	04 31	354	15 39	302	52	17 27	35.5	07 05	24.6	10.9	19 50	397	04 40	347	50
16 Q	21 12	338	15 35	302	<u>36</u>	15 33	34.2	12 02	25.2	<u>09.0</u>	19 00	396	04 31	384	<u>12</u>
17 Q	20 34	347	15 30	302	<u>45</u>	17 03	33.0	13 03	23.4	<u>09.6</u>	01 00	393	10 53	379	<u>14</u>
18	18 45	342	02 16	280	62	17 34	35.8	02 25	22.2	13.6	02 37	409	04 52	355	54
19 Q	23 35	334	16 20	294	40	19 05	37.4	13 53	23.9	13.5	01 38	390	17 00	376	14
20	22 26	<u>379</u>	16 03	293	86	23 30	44.6	12 55	23.7	20.9	23 37	466	16 48	370	96
21 D	01 02	341	02 38	266	75	18 55	38.4	02 27	<u>-18.3</u>	<u>56.7</u>	02 25	472	10 07	348	124
22	20 02	340	23 32	266	74	19 13	37.4	13 23	21.2	16.2	23 32	449	03 29	377	72
23	19 55	363	15 54	283	80	23 33	41.2	03 02	18.6	22.6	23 58	509	04 02	354	155
24 D	01 08	347	08 36	244	103	07 53	51.1	01 08	02.1	49.0	01 09	<u>574</u>	09 04	305	<u>269</u>
25	01 02	334	19 45	285	49	05 25	40.0	00 58	19.2	20.8	00 01	406	04 50	341	65
26	21 19	333	00 31	277	56	08 03	35.9	00 53	14.4	21.5	00 48	405	06 28	364	41
27 D	10 17	332	17 53	286	46	05 25	41.4	03 45	25.5	15.9	21 25	412	05 34	361	51
28	19 35	331	14 30	294	37	16 45	37.1	03 18	22.2	14.9	18 58	396	08 35	373	23
29	23 45	332	15 15	291	41	18 20	36.7	08 55	25.1	11.6	21 23	393	04 35	368	25
30 D	11 23	337	15 13	<u>218</u>	<u>119</u>	16 06	43.8	23 55	16.0	27.8	23 45	455	08 59	367	88
31															
Mean		343		280	63		39.7		18.4	21.3		422		358	64
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 1944

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	294	306	306	308	313	311	309	308	310	314	320	288	299	294	284	281	278	278	296	306	314	298	301	308	301
2	317	319	316	317	317	316	315	318	319	321	316	313	306	304	298	296	301	310	319	322	320	321	307	306	313
3	310	318	316	313	326	310	318	317	310	325	315	310	297	286	279	278	283	301	317	324	313	314	313	290	308
4	296	309	312	314	315	318	316	315	316	316	316	314	308	298	288	283	291	308	313	314	313	319	324	323	310
5 Q	322	319	303	308	318	319	319	320	321	320	318	314	308	300	292	284	288	298	308	314	319	323	326	325	312
6	324	321	327	329	327	339	335	324	324	324	323	321	317	310	299	296	305	315	319	316	319	313	320	303	319
7	313	317	319	328	324	319	319	319	321	321	320	317	311	303	289	283	284	293	303	308	317	327	325	321	312
8 Q	319	322	321	322	322	323	324	324	324	325	325	323	315	305	293	288	290	297	306	315	322	325	324	325	316
9 Q	313	312	305	311	314	316	322	325	328	325	326	325	318	307	300	294	294	300	305	313	318	324	329	330	315
10	330	330	327	327	330	328	326	325	325	324	327	326	322	313	302	297	304	307	310	314	320	325	311	309	319
11 D	294	282	274	248	290	299	314	318	320	323	327	326	314	302	299	288	300	322	312	316	316	292	298	301	303
12	304	304	316	307	304	305	310	309	309	306	307	302	299	300	299	297	299	301	311	310	312	309	307	316	306
13	308	309	315	315	316	317	319	319	320	320	320	318	308	295	288	282	299	305	308	312	312	307	307	303	309
14 D	309	314	310	304	306	315	325	319	312	309	312	319	320	321	308	292	306	314	307	319	310	312	300	322	312
15 D	298	320	268	273	290	299	297	294	289	282	294	295	298	284	280	280	281	291	298	307	308	300	260	284	290
16	294	304	302	301	304	302	301	314	312	309	312	311	302	302	276	276	279	284	293	305	315	314	309	301	301
17	304	302	304	312	314	308	308	310	320	315	320	314	306	297	289	287	289	301	309	320	325	321	309	309	308
18	312	309	326	312	314	311	315	314	311	309	309	302	304	304	300	301	296	300	312	320	326	330	328	321	312
19 Q	317	316	318	315	316	318	318	318	315	312	318	313	307	301	296	295	300	305	310	319	319	321	322	322	313
20	320	320	320	318	319	321	323	323	321	321	322	318	309	301	296	293	292	295	306	318	327	321	306	311	313
21 Q	316	316	312	315	316	319	320	321	319	321	319	314	306	296	294	293	293	300	316	324	326	326	326	326	314
22	323	322	318	316	316	320	315	312	321	324	319	319	311	303	295	291	287	291	300	306	311	321	322	322	312
23	321	321	318	321	324	320	326	328	326	326	326	322	317	307	301	282	293	300	307	311	324	316	291	290	313
24 D	302	315	323	311	301	300	310	317	321	315	316	309	310	309	305	309	309	308	311	306	306	320	322	317	311
25	311	316	316	315	317	313	314	310	312	310	314	314	308	303	295	295	296	302	311	307	321	326	333	330	312
26	298	302	309	316	321	295	295	315	315	307	317	315	308	296	287	285	286	290	297	312	315	321	321	321	306
27	320	323	323	332	318	321	317	322	321	321	320	317	309	297	291	286	282	298	308	317	317	322	322	326	314
28	324	321	322	320	315	314	313	312	318	316	310	310	309	307	287	291	290	294	305	309	309	318	318	323	311
29	322	322	321	318	322	318	320	320	320	320	321	321	317	316	314	316	317	322	322	321	329	327	326	320	320
30	322	325	322	316	313	314	319	319	316	318	321	319	314	303	295	292	291	298	308	317	323	325	332	328	314
31	327	319	306	297	301	302	299	298	306	307	314	312	312	307	297	295	295	294	301	309	315	315	315	320	307
Mean	312	315	313	312	314	314	316	316	317	316	318	314	309	302	294	290	294	301	308	314	318	318	315	315	311

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 38 Agincourt

D = 7° W + . . . ' .

October 1944

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	31.4	31.9	30.2	30.1	28.6	29.1	29.0	27.4	29.3	31.0	29.9	30.4	28.1	23.8	27.0	29.9	32.9	37.2	36.0	36.0	35.3	29.0	30.8	29.3	30.5
2	27.4	28.4	30.8	31.1	30.5	30.4	30.1	30.3	30.0	30.3	29.7	29.3	27.1	27.3	27.4	29.9	33.2	35.3	34.4	33.8	32.7	32.0	32.0	30.9	30.6
3	30.4	23.2	29.1	27.8	30.0	28.3	28.1	28.1	33.2	28.6	26.2	24.7	26.0	28.1	29.6	31.7	33.7	35.6	36.4	35.0	32.6	30.6	26.1	27.3	29.6
4	27.4	30.2	29.2	31.3	31.1	31.4	31.0	30.5	30.1	29.3	29.3	27.7	25.2	24.7	27.3	31.6	35.6	36.4	35.6	33.9	32.9	31.7	31.4	31.1	30.6
5 Q	31.0	29.1	26.4	29.6	30.5	31.1	30.6	30.1	29.6	28.7	28.3	27.8	24.3	23.7	25.1	28.8	32.3	34.7	35.0	34.7	33.5	32.6	31.6	30.6	30.0
6	30.1	29.4	27.8	30.0	30.7	32.9	33.0	29.6	28.4	27.5	28.1	26.5	24.7	24.2	26.9	29.2	32.0	36.1	37.9	40.2	37.8	36.3	36.4	33.8	31.3
7	30.8	30.0	28.8	30.1	27.2	30.1	29.3	29.2	29.0	28.7	28.4	27.4	26.5	24.9	24.7	28.5	32.6	34.7	36.3	35.3	32.9	32.0	31.7	31.9	30.1
8 Q	31.0	30.2	30.2	29.9	29.3	29.3	30.2	30.0	29.9	29.7	29.2	27.9	25.9	24.7	25.1	28.4	31.1	33.7	34.4	33.9	32.9	31.9	31.3	30.8	30.1
9 Q	29.4	29.3	28.1	28.1	29.0	29.5	31.1	30.3	29.2	30.2	30.3	28.2	25.0	23.9	25.0	27.7	30.5	32.0	33.3	33.6	32.9	32.2	31.2	30.8	29.6
10	30.1	30.1	29.9	29.9	30.1	30.2	30.2	30.6	29.5	29.3	29.9	27.6	25.6	24.7	25.7	28.8	31.6	33.3	34.4	34.7	34.6	35.3	35.5	34.1	30.6
11 D	25.3	20.8	20.2	2.3	27.8	29.3	31.9	31.0	29.2	27.0	26.4	25.1	23.7	22.3	27.4	31.7	37.1	38.1	37.0	35.5	34.9	33.8	32.3	32.4	28.4
12	31.1	30.1	26.6	31.0	30.6	33.5	32.1	30.8	29.6	29.1	29.2	29.5	28.1	26.6	27.7	31.4	33.8	34.9	34.6	33.4	31.4	31.9	28.4	30.7	30.7
13	29.9	28.1	30.8	31.4	31.1	31.3	31.0	30.1	29.3	29.3	29.0	28.3	26.2	29.0	30.8	34.4	35.3	35.3	35.8	35.5	33.8	32.1	31.3	25.3	31.0
14 D	28.8	30.5	30.5	30.2	28.9	30.8	34.7	29.3	26.8	31.4	33.1	38.2	28.3	29.9	32.3	34.2	39.0	35.6	37.5	34.7	37.4	34.3	33.3	26.1	32.3
15 D	9.4	14.4	27.2	19.9	27.5	30.8	32.9	31.4	28.9	34.4	35.3	23.8	24.7	24.2	27.1	32.6	35.3	37.0	35.3	34.8	33.7	31.4	18.1	28.7	28.3
16	31.0	29.3	29.9	30.2	31.1	30.5	43.2	34.0	27.8	27.8	28.3	25.3	24.4	25.3	28.3	33.0	35.5	36.9	37.4	35.5	31.9	29.8	30.2	26.6	31.0
17	21.9	27.0	29.0	29.7	31.3	29.1	30.9	31.1	29.6	26.2	25.3	25.3	24.8	24.4	27.4	31.0	34.1	35.5	35.3	33.9	32.5	31.7	34.4	35.1	29.9
18	31.1	29.2	26.4	29.4	28.7	28.2	27.4	27.5	26.4	26.5	27.2	28.2	28.1	27.2	29.7	32.3	34.6	35.5	34.6	33.2	30.8	29.9	29.9	30.1	29.7
19 Q	29.8	28.9	29.2	29.0	29.4	31.1	30.2	29.0	27.7	31.4	29.1	26.8	26.4	27.3	29.0	32.0	33.8	34.1	33.1	32.4	31.5	30.5	30.1	30.2	30.1
20	29.6	29.4	29.4	29.4	30.3	30.3	30.1	29.3	28.6	28.1	27.3	27.0	25.6	24.7	26.2	29.2	32.4	35.5	37.3	34.6	31.5	31.1	32.5	30.8	30.0
21 Q	29.9	29.0	27.8	29.3	30.1	29.6	29.8	28.6	29.5	29.0	26.5	26.9	26.3	26.3	27.3	31.7	33.4	36.0	36.1	35.5	32.6	31.5	30.6	28.8	30.1
22	28.3	28.7	29.0	29.2	28.7	27.9	28.9	29.5	31.1	28.3	27.6	26.4	25.9	25.0	28.1	30.2	33.4	35.5	35.0	34.7	32.9	31.0	30.1	29.0	29.8
23	29.3	29.1	28.3	28.8	29.2	29.3	29.1	28.3	27.4	27.4	27.7	27.2	26.5	25.9	26.1	29.9	38.5	39.1	41.9	43.1	36.0	37.0	30.2	26.8	30.9
24 D	27.9	22.2	24.7	23.2	27.5	29.1	38.0	33.7	27.4	28.1	27.9	30.1	29.2	26.4	28.3	32.5	32.4	33.9	35.1	37.2	34.6	31.0	30.2	30.0	30.1
25	26.2	29.0	29.6	29.2	29.9	28.7	28.4	29.0	27.8	26.9	27.9	27.3	25.9	24.8	27.3	30.3	32.3	33.7	33.8	33.4	30.6	30.3	30.3	29.7	29.3
26	28.6	22.4	30.4	27.7	26.9	34.4	41.1	28.6	25.1	28.1	28.9	27.4	26.2	25.6	27.5	30.1	31.7	32.8	34.4	32.9	32.4	31.0	30.1	28.1	29.7
27	24.4	28.7	29.0	28.0	30.2	30.5	29.3	29.3	28.6	28.3	28.3	26.8	25.5	25.5	27.4	29.9	32.8	33.8	33.6	32.6	31.1	30.1	30.1	29.3	29.3
28	29.3	27.8	26.4	27.6	29.1	32.9	32.4	27.4	27.3	24.8	24.4	23.8	21.9	24.1	27.5	30.8	33.5	35.9	35.3	34.6	32.8	30.4	30.1	29.0	29.2
29	27.9	28.3	28.6	29.3	28.6	28.6	29.2	29.2	29.3	29.0	28.6	28.2	26.9	26.3	27.4	30.1	31.3	31.9	32.4	33.4	32.4	31.7	31.6	31.0	29.6
30	30.5	29.6	29.1	29.5	28.5	34.3	33.8	29.0	28.3	28.3	27.2	27.0	26.2	25.8	26.8	29.3	31.6	33.2	33.3	31.9	30.5	29.6	29.9	30.0	29.7
31	29.3	27.8	24.6	28.3	27.8	24.2	36.9	26.4	28.3	24.1	25.1	24.5	24.4	23.8	27.8	29.4	31.7	34.4	35.3	33.5	31.4	30.1	29.6	29.1	28.7
Mean	28.3	27.8	28.3	28.1	29.3	30.3	31.7	29.6	28.8	28.6	28.3	27.4	25.9	25.5	27.4	30.6	33.5	35.1	35.4	34.8	33.1	31.7	30.7	29.9	30.0

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

Table 39 Agincourt

z = 56,000 γ +

October 1944

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	419	405	400	391	387	380	386	383	389	388	387	376	398	389	385	380	383	394	398	396	402	411	411	408	394	
2	398	390	387	389	387	388	388	388	386	383	384	383	383	383	381	376	376	377	376	383	387	393	393	396	386	
3	396	387	386	387	357	343	360	375	367	377	379	381	381	377	379	379	386	383	380	389	401	404	399	406	382	
4	408	397	393	388	387	384	386	386	386	386	388	387	388	386	383	376	381	380	381	386	389	389	388	388	387	
5 Q	386	386	387	390	388	386	387	383	384	383	382	385	383	379	375	369	376	381	382	383	386	388	387	386	383	
6	386	385	383	384	383	369	363	376	380	380	382	383	381	381	376	370	375	380	385	389	393	396	418	416	384	
7	403	394	387	376	381	381	383	387	386	385	388	388	388	387	385	379	376	379	386	393	397	398	394	393	387	
8 Q	392	392	390	390	388	386	386	386	386	386	386	388	389	386	385	378	375	376	382	387	389	390	388	389	386	
9 Q	389	392	393	392	389	384	380	378	382	383	383	387	388	388	384	380	381	384	386	386	386	386	386	386	386	
10	382	384	385	383	383	381	380	375	375	374	376	378	381	380	377	372	373	377	379	383	388	393	400	416	382	
11 D	448	431	408	360	399	392	393	387	388	388	386	386	382	377	373	368	375	379	376	381	388	394	400	396	390	
12	393	396	381	384	390	386	385	391	392	390	391	390	389	383	379	376	377	386	393	396	402	402	396	394	389	
13	393	389	389	389	389	387	387	386	387	386	386	385	384	381	380	380	383	386	386	389	394	396	399	399	388	
14 D	395	390	389	388	387	380	366	375	375	366	347	343	352	358	354	363	383	387	393	403	414	436	484	599	393	
15 D	513	554	449	285	344	402	406	403	394	369	369	376	393	395	400	395	398	405	409	414	422	432	457	438	409	
16	421	409	404	400	398	394	376	375	395	395	400	401	399	394	390	389	398	405	410	410	410	408	403	409	400	
17	403	406	408	402	395	375	384	389	390	396	398	399	399	392	385	382	390	394	395	403	400	403	409	419	396	
18	426	431	395	400	400	388	369	383	395	398	396	394	399	392	387	388	388	395	396	396	399	399	394	395	396	
19 Q	396	399	396	395	395	395	393	393	392	393	393	396	396	394	392	387	389	392	395	400	400	398	394	395	395	
20	393	395	393	393	393	393	393	393	393	393	392	393	394	394	392	392	393	394	396	395	399	398	405	404	395	
21 Q	399	398	396	396	396	394	393	392	386	383	385	391	390	390	387	384	382	386	392	394	395	395	396	392	392	
22	394	394	392	393	393	388	392	392	390	388	390	393	394	394	389	384	386	392	395	395	395	399	395	396	392	
23	394	394	395	394	395	395	394	389	392	390	390	391	390	390	385	381	392	394	403	401	406	411	426	415	396	
24 D	410	388	372	373	383	391	369	362	384	385	387	388	391	385	379	375	379	382	393	399	397	398	399	395	386	
25	400	399	399	397	394	393	394	392	394	395	397	398	397	397	395	389	391	393	397	399	403	398	394	397	396	
26	405	405	410	402	386	356	329	368	380	388	394	393	392	389	385	381	383	387	391	395	398	398	398	397	388	
27	393	392	392	383	391	392	392	392	392	391	391	391	390	389	385	381	386	392	392	394	394	394	391	392	391	
28	392	392	390	386	391	379	370	380	390	391	389	389	389	385	383	386	387	387	389	397	399	399	395	395	389	
29	393	393	391	387	384	388	392	392	391	391	392	392	391	388	384	380	376	379	385	385	391	391	392	394	388	
30	394	392	391	391	392	381	375	385	389	392	392	392	392	391	388	385	386	387	390	393	393	391	391	391	389	
31	391	391	389	393	388	368	352	368	360	375	392	389	392	391	384	382	383	386	391	395	399	399	394	395	385	
Mean	403	402	394	386	388	384	381	384	386	386	387	387	389	387	383	380	384	388	390	394	397	400	402	406	390	

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 40 Agincourt

October 1944

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	04 43	327	17 47	264	63	17 37	40.4	00 01	15.5	24.9	00 31	425	11 25	372	53
2	21 13	331	14 48	292	39	17 51	35.6	00 54	24.6	11.0	00 01	401	16 00	372	29
3	04 35	348	15 52	267	81	08 40	39.0	01 32	19.8	19.2	23 59	413	05 19	333	80
4	23 00	324	15 10	281	43	17 12	36.5	00 15	22.5	14.0	00 08	421	16 50	376	45
5 Q	23 59	328	15 22	283	45	18 02	35.5	13 57	23.5	12.0	03 03	391	15 20	369	22
6	05 57	350	15 21	291	59	19 25	41.3	13 33	22.6	18.7	22 58	429	06 15	356	73
7	03 23	338	15 48	278	60	18 15	36.5	04 24	23.3	13.2	00 01	412	03 45	367	45
8 Q	23 25	330	15 40	286	44	18 16	35.1	13 48	24.4	10.7	21 20	392	16 25	372	20
9 Q	23 05	331	16 18	293	38	06 57	34.7	13 50	23.8	10.9	02 52	393	07 00	375	18
10	21 27	332	15 14	295	37	23 12	36.7	13 25	24.0	12.7	23 59	428	09 00	371	57
11 D	16 53	333	03 49	233	100	16 47	41.8	03 27	-18.3	60.1	02 08	500	02 52	330	170
12	02 40	328	15 27	293	35	05 40	36.7	02 31	19.7	17.0	20 50	404	02 43	366	38
13	08 28	323	15 32	274	49	19 00	36.3	23 50	19.2	17.1	22 55	401	15 30	375	26
14 D	23 55	612	16 04	273	339	16 25	43.5	23 59	04.4	39.1	23 50	701	11 25	337	364
15 D	00 01	499	02 48	192	307	03 28	42.6	02 56	-18.3	60.9	00 01	566	03 27	199	367
16	21 00	320	15 45	270	50	06 46	47.2	23 57	19.7	27.5	00 01	428	06 48	363	65
17	09 02	332	15 35	284	48	23 30	36.4	00 12	19.4	17.0	23 40	422	05 00	371	51
18	02 18	349	17 02	290	59	17 34	36.4	02 12	12.6	23.8	01 52	438	06 22	360	78
19 Q	23 05	324	15 25	293	31	17 10	34.7	11 32	26.1	08.6	19 40	403	16 30	387	16
20	20 00	330	15 50	290	40	18 50	38.4	12 05	23.6	14.8	22 40	411	14 30	389	22
21 Q	20 47	329	15 27	287	42	17 48	36.7	13 04	25.6	11.1	00 01	404	16 05	380	24
22	00 21	327	16 30	285	42	17 30	36.3	13 30	24.1	12.2	21 55	402	15 39	381	21
23	20 49	343	15 48	275	68	19 21	45.4	22 57	23.7	21.7	22 36	436	15 20	377	59
24 D	02 25	339	00 55	293	46	07 01	42.8	02 02	16.8	26.0	00 53	415	07 05	342	73
25	23 25	339	14 40	289	50	19 23	35.0	13 14	24.3	10.7	20 20	405	16 00	388	17
26	04 48	330	05 50	275	55	06 13	47.2	01 19	16.2	31.0	02 45	410	06 20	321	89
27	03 05	339	16 24	272	67	17 00	34.9	14 13	21.3	13.6	00 01	395	03 43	381	14
28	03 20	327	14 13	285	42	17 23	36.4	12 11	20.9	15.5	20 45	401	06 33	363	38
29	20 27	332	14 03	311	21	20 03	33.8	13 14	25.6	08.2	23 10	395	16 00	374	21
30	22 48	335	16 30	291	44	06 01	39.2	13 25	25.7	13.5	00 19	395	06 00	371	24
31	21 00	323	17 10	289	34	06 13	42.5	05 21	20.2	22.3	20 53	405	06 08	342	63
Mean		347		280	67		38.6		18.6	20.0		427		360	67
No. days		31		31	31		31		31	31		31		31	31

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 41 Agincourt

H = 15,000 γ +

November 1944

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	323	322	319	321	321	319	321	321	323	323	323	322	315	304	296	294	298	305	313	322	325	327	326	322	317
2	325	324	323	314	313	319	320	320	321	322	322	322	316	302	295	289	290	296	310	320	325	329	329	330	316
3	327	327	327	326	324	325	327	322	325	325	327	322	317	315	301	291	292	299	308	316	321	327	329	330	319
4 D	329	324	319	317	318	322	312	315	326	318	323	328	320	326	305	288	288	304	313	319	328	330	328	326	318
5 D	327	325	305	275	300	304	305	295	307	302	312	312	302	299	298	287	290	276	287	292	311	277	277	276	297
6 D	277	284	290	276	261	246	281	295	283	308	317	320	312	296	292	292	292	299	309	319	319	321	318	319	297
7	317	314	315	313	314	317	317	318	319	320	319	319	317	307	296	290	298	303	307	303	305	305	308	316	311
8	316	305	293	300	299	296	310	313	305	305	314	321	312	310	305	300	305	309	313	317	323	325	328	328	311
9	326	324	312	318	318	318	324	320	315	310	319	324	318	310	306	308	309	315	323	320	313	321	325	328	318
10 D	326	326	323	323	322	323	328	333	329	333	334	333	317	320	326	318	303	314	317	317	323	323	323	321	323
11	321	319	317	315	317	317	314	318	319	319	319	319	314	308	304	304	305	304	318	323	328	328	326	324	316
12	323	320	324	324	322	325	325	325	326	326	325	325	320	311	302	297	299	305	313	321	326	329	330	329	320
13 Q	328	327	326	325	322	325	325	327	329	329	330	329	323	313	304	298	301	309	316	323	329	330	332	331	322
14	329	329	325	327	329	330	330	329	327	329	329	332	329	320	310	305	300	309	319	324	328	329	327	323	324
15 Q	319	319	319	323	324	326	326	326	329	330	330	329	324	315	309	307	307	311	318	321	322	327	323	324	321
16	321	318	317	316	318	318	318	318	324	327	324	326	327	324	319	318	321	325	329	334	334	330	330	330	324
17	328	328	325	325	325	325	326	329	328	329	329	329	325	319	313	313	314	319	326	326	331	334	330	324	325
18	312	323	329	324	324	325	324	325	334	328	326	327	322	316	306	306	311	319	324	329	334	336	338	333	324
19	326	318	309	325	322	318	322	324	322	320	323	328	324	316	303	296	301	308	316	319	322	324	325	324	318
20 D	324	323	316	308	316	307	303	307	310	309	319	318	315	311	311	278	271	293	313	316	316	314	303	303	309
21	312	312	314	311	311	311	311	312	311	315	315	315	311	308	303	301	305	312	314	318	322	321	321	322	313
22	319	319	319	318	318	318	318	318	318	319	320	321	320	318	311	302	299	313	319	325	325	326	323	320	318
23	316	316	314	314	312	309	310	311	312	312	317	320	319	315	308	302	301	304	310	315	320	326	327	325	314
24 Q	321	318	317	316	313	312	313	314	317	319	319	321	320	319	316	312	313	315	321	323	328	330	330	328	319
25 Q	324	323	322	323	325	325	326	328	330	330	330	328	326	325	320	314	312	314	317	323	332	333	330	328	325
26	316	300	305	309	315	315	314	316	316	321	322	322	319	317	309	305	305	310	315	321	325	330	327	326	316
27 Q	322	319	314	307	309	311	313	318	316	318	320	323	320	317	319	311	311	315	319	324	330	332	334	335	319
28	332	330	328	326	325	325	324	323	323	320	323	323	320	313	304	298	301	310	325	331	338	341	338	333	323
29	330	327	324	325	330	328	325	325	326	328	330	330	330	325	319	318	316	320	323	326	328	330	330	325	326
30	321	317	314	317	320	324	327	326	326	329	330	334	334	335	329	320	313	320	322	326	330	326	328	325	325
31																									
Mean	322	320	317	315	316	316	318	319	320	321	323	324	320	315	308	302	303	309	316	321	325	325	322	324	318

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 42 Agincourt

D = 7° W + . . . '

November 1944

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	29.3	28.3	28.3	28.7	29.0	29.2	29.3	29.3	28.9	27.9	28.0	27.5	26.6	26.2	26.3	29.5	32.5	34.3	34.6	33.3	31.3	31.0	30.6	29.3	29.5	29.3	
2	29.0	28.4	29.2	26.4	27.9	30.8	29.9	29.3	29.2	29.3	28.5	27.6	26.0	25.0	24.8	27.4	31.0	32.9	34.3	33.3	31.9	30.7	29.9	29.2	29.3	29.3	
3	29.2	28.5	28.9	29.4	29.4	29.3	29.2	30.8	27.8	27.8	26.5	26.5	29.6	27.4	25.2	30.2	32.5	34.7	35.0	34.3	32.6	30.8	29.6	29.0	29.7	29.7	
4 D	28.4	28.3	25.9	25.8	25.5	28.6	32.9	40.2	29.9	26.4	30.1	28.7	32.6	29.2	27.4	29.6	32.5	31.7	34.0	33.7	32.8	31.5	30.8	29.1	30.3	30.3	
5 D	28.1	27.6	27.2	7.3	30.4	26.8	27.1	37.9	27.7	26.0	29.1	27.4	28.9	27.8	29.0	28.1	30.2	35.1	36.2	39.2	34.6	26.0	29.2	29.6	29.0	29.0	
6 D	25.9	23.2	22.0	23.4	22.2	24.2	29.1	32.5	49.0	32.0	27.6	25.7	26.8	28.6	30.0	29.2	31.4	32.9	33.7	32.8	31.5	31.0	30.8	29.9	29.3	29.3	
7	29.3	29.2	29.1	29.2	29.0	29.3	29.5	29.3	29.0	29.0	29.0	28.6	27.7	26.9	28.8	33.3	34.6	34.4	33.7	32.6	32.0	31.4	30.7	29.0	30.2	30.2	
8	28.7	28.4	27.8	28.3	27.7	27.6	31.4	33.8	29.2	26.7	27.4	26.0	25.2	25.2	27.1	29.9	31.9	33.8	33.2	31.3	29.9	29.5	29.5	29.1	29.2	29.2	
9	28.9	28.7	23.2	27.9	29.7	29.8	29.3	30.2	31.7	26.9	26.5	27.3	27.4	27.7	28.1	30.5	32.9	34.1	33.5	32.9	31.4	29.9	29.2	28.7	29.4	29.4	
10 D	28.4	28.3	28.6	28.7	29.0	29.0	29.5	27.8	27.0	27.3	27.0	26.5	28.8	31.4	29.5	29.5	32.0	36.0	36.4	33.3	31.5	30.5	29.3	28.6	29.7	29.7	
11	28.3	28.2	28.3	28.2	29.3	29.3	29.3	31.1	30.2	28.6	28.3	27.7	27.2	27.0	25.4	27.9	31.1	34.2	34.4	32.8	31.1	30.1	29.2	28.1	29.3	29.3	
12	28.1	27.6	28.3	28.3	28.7	30.5	30.2	31.4	29.5	27.8	27.4	27.8	27.3	26.2	26.6	28.7	31.9	33.3	33.1	31.7	30.1	29.5	29.3	29.0	29.3	29.3	
13 Q	28.3	28.2	28.3	28.5	28.7	29.1	28.8	29.3	29.1	28.7	28.2	28.3	27.4	26.7	26.6	28.6	31.8	32.9	33.2	31.9	30.1	29.2	28.8	28.4	29.2	29.2	
14	28.1	27.9	28.2	29.0	29.6	29.2	29.9	28.8	28.3	27.3	27.0	27.4	26.5	25.9	25.6	29.3	33.2	34.7	35.1	33.3	31.8	30.2	29.5	29.3	29.3	29.3	
15 Q	29.4	28.4	28.3	28.1	28.3	30.1	29.5	29.2	28.6	28.3	28.1	27.5	27.0	26.7	27.0	28.3	31.0	32.4	32.0	30.8	30.2	29.8	29.3	29.3	29.1	29.1	
16	28.9	28.8	27.9	26.5	28.6	28.7	28.9	28.0	32.1	25.9	27.4	29.3	28.4	27.5	27.7	28.7	31.3	32.9	32.9	31.6	30.2	29.5	28.8	28.4	29.2	29.2	
17	28.1	28.1	28.6	28.7	29.2	29.5	29.6	29.3	29.1	28.4	27.8	27.9	27.3	26.3	26.8	30.0	31.9	33.1	32.9	31.7	30.2	28.9	28.6	28.7	29.2	29.2	
18	26.8	25.8	27.4	28.2	27.8	30.1	30.1	30.2	31.1	27.4	27.1	26.5	26.4	25.6	28.3	33.3	34.6	34.6	34.7	32.8	30.8	29.6	28.3	28.1	29.4	29.4	
19	28.1	28.3	19.3	27.8	29.3	29.9	32.5	31.7	28.6	26.3	25.5	26.3	25.1	25.5	27.3	31.1	32.9	33.7	34.7	33.0	30.8	29.8	29.0	27.8	29.0	29.0	
20 D	26.7	27.5	28.4	22.8	27.4	27.3	27.0	31.2	27.9	24.9	25.5	25.6	29.6	38.5	38.1	35.3	37.1	43.2	40.3	36.0	33.9	32.1	29.8	28.1	31.0	31.0	
21	28.4	28.2	28.2	28.7	28.8	29.2	29.1	29.1	28.7	28.3	27.7	28.2	27.7	27.3	28.2	29.8	31.6	32.7	32.7	31.6	30.3	29.9	29.2	28.7	29.2	29.2	
22	28.5	28.2	28.2	28.2	28.6	29.2	29.2	29.1	28.7	28.6	28.6	28.0	26.9	25.8	26.1	27.8	31.3	33.6	33.5	32.3	30.7	29.4	28.2	28.2	29.1	29.1	
23	28.2	25.9	26.5	28.1	28.9	28.2	29.2	29.9	27.8	27.0	27.2	27.2	26.9	25.9	26.1	28.0	31.6	33.2	33.7	32.7	31.6	30.4	28.9	28.2	28.8	28.8	
24 Q	28.0	27.4	27.5	27.6	28.4	28.2	28.3	28.2	28.7	28.1	28.0	27.6	27.4	27.3	27.3	28.0	29.6	30.9	31.2	30.5	29.9	29.5	28.6	28.1	28.5	28.5	
25 Q	28.0	28.2	28.3	28.4	28.9	28.6	29.0	29.0	29.0	28.2	28.0	27.7	27.6	26.5	26.4	27.7	29.3	30.4	30.9	30.1	29.1	28.5	28.2	28.2	28.5	28.5	
26	28.0	25.4	29.2	27.3	28.5	28.7	28.2	28.5	28.2	28.2	27.8	27.6	27.1	26.4	28.1	30.4	31.8	32.7	32.2	31.4	30.1	29.4	28.7	28.2	28.9	28.9	
27 Q	28.2	27.8	29.1	28.1	28.2	27.8	27.9	28.0	28.2	28.2	28.2	28.0	28.0	26.5	26.1	28.2	31.2	32.6	32.4	31.4	30.1	28.7	28.2	27.8	28.7	28.7	
28	28.0	28.2	28.2	28.2	28.2	28.0	28.1	28.2	28.2	28.3	28.2	28.4	28.1	27.4	27.6	30.4	32.6	33.0	32.2	30.5	29.8	28.5	28.2	27.8	28.9	28.9	
29	27.7	27.8	27.9	27.3	27.3	29.2	28.9	28.5	28.2	27.7	27.7	28.9	28.6	27.7	27.3	29.5	31.0	31.9	31.8	30.1	28.6	28.4	27.8	27.7	28.6	28.6	
30	28.0	28.0	27.9	27.7	28.6	29.5	28.9	28.3	27.2	26.0	26.3	25.7	28.2	30.1	29.5	31.0	32.0	32.7	33.0	32.3	31.0	30.0	29.0	28.6	29.2	29.2	
31																											
Mean	28.3	27.8	27.5	27.1	28.4	28.9	29.3	30.3	29.6	27.8	27.7	27.5	27.6	27.4	27.6	29.7	32.1	33.6	33.7	32.5	31.0	29.8	29.2	28.6	29.3	29.3	

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 43 Agincourt

z = 56,000 γ +

November 1944

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	392	393	393	391	393	392	392	391	391	391	389	389	391	391	388	387	388	391	392	392	393	392	392	392	391
2	392	392	391	389	392	392	392	389	389	389	391	391	391	392	388	385	387	391	392	394	394	395	391	392	391
3	391	388	388	388	388	387	384	387	387	389	389	388	391	387	380	380	379	382	386	391	394	394	392	391	388
4 D	391	392	392	392	389	387	381	358	368	374	385	380	381	379	379	379	386	394	398	399	399	399	397	395	387
5 D	394	392	394	391	391	374	356	336	344	374	382	384	387	389	391	392	392	394	404	402	404	444	442	435	391
6 D	428	418	404	392	371	351	340	332	318	356	379	385	384	384	389	387	385	388	389	392	394	394	392	392	381
7	391	392	392	392	391	391	391	391	391	391	391	391	392	392	392	392	394	399	399	401	401	404	403	399	394
8	397	394	396	394	391	391	387	375	369	381	382	381	388	391	392	387	386	384	393	395	396	394	393	390	389
9	390	388	391	391	391	391	388	377	367	378	390	390	391	391	390	384	385	391	393	394	394	394	393	391	388
10 D	391	388	388	388	390	390	389	387	388	390	388	387	386	386	381	378	379	388	391	391	392	393	391	391	388
11	390	391	391	390	390	390	391	391	390	390	390	389	390	388	386	382	384	388	391	391	391	391	388	387	389
12	391	390	390	386	388	385	386	385	387	388	387	386	388	391	390	388	390	393	397	397	397	392	390	390	390
13 Q	388	387	387	387	387	386	386	387	385	385	385	385	389	391	388	384	386	390	393	396	392	390	388	386	388
14	386	386	386	386	385	381	382	383	386	386	386	385	385	384	384	380	383	390	393	392	392	393	392	391	386
15 Q	393	393	392	387	385	381	384	387	387	387	387	386	385	383	381	375	380	384	386	387	388	390	390	390	386
16	388	387	387	386	387	385	385	379	374	372	381	384	381	380	377	376	377	381	385	388	390	385	385	384	383
17	383	383	383	383	383	383	383	383	382	382	383	384	384	383	380	377	380	384	386	387	387	385	385	385	383
18	389	390	383	383	380	383	383	380	375	376	381	381	381	380	378	374	379	383	385	389	387	386	381	381	382
19	382	385	383	377	380	383	378	373	380	385	384	383	383	381	380	381	384	386	390	391	390	390	389	385	383
20 D	384	383	384	375	349	365	371	365	355	372	377	372	375	371	368	378	392	395	397	396	394	396	400	400	380
21	395	391	391	390	391	390	390	388	389	388	389	388	389	389	389	389	389	390	390	392	389	389	388	388	389
22	386	386	386	386	385	385	385	385	385	385	387	388	388	389	389	382	385	389	394	395	392	391	390	389	388
23	387	384	383	384	384	385	386	385	388	389	389	388	388	389	388	384	385	388	393	394	394	393	390	390	388
24 Q	388	387	389	389	389	390	389	389	389	389	388	387	385	383	382	379	379	382	385	388	388	385	382	382	386
25 Q	380	380	381	381	381	380	379	380	380	380	380	379	380	377	376	374	377	380	384	387	386	381	382	379	380
26	380	386	390	389	387	383	383	384	387	386	383	384	383	381	382	378	381	383	387	389	389	387	384	382	384
27 Q	383	381	382	383	386	384	384	386	386	386	386	383	382	380	375	370	369	373	379	382	386	383	383	381	382
28	377	377	378	379	379	379	379	379	379	381	381	380	379	378	376	378	382	385	386	385	381	380	377	380	380
29	376	377	379	377	374	374	376	378	378	379	379	379	377	375	374	373	375	379	382	383	382	381	380	379	378
30	382	384	385	382	382	376	373	371	377	377	376	375	373	373	372	373	374	375	377	381	382	382	382	381	378
31																									
Mean	389	388	388	386	385	383	382	379	379	383	385	385	385	385	383	381	383	387	390	392	392	392	390	389	386

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 44 Agincourt

November 1944

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	22	10	330	15	23	287	43	18	00	35.3	13	57	25.5	09.8	00	01	394	15	05	385	9	
2	23	07	332	16	14	286	46	18	18	34.6	03	35	23.7	10.9	20	25	397	03	48	385	12	
3	21	47	331	15	27	284	47	17	42	36.0	14	37	22.9	13.1	21	50	395	15	31	376	19	
4 D	08	26	336	16	09	283	53	07	29	43.7	04	08	19.5	24.2	20	15	400	07	40	348	52	
5 D	01	19	333	21	47	254	79	07	30	44.5	03	31	-06.3	50.8	21	47	474	07	37	325	149	
6 D	21	10	328	05	11	240	88	08	18	56.6	04	04	20.2	36.4	00	14	433	08	26	297	136	
7	11	39	323	15	23	288	35	17	15	35.3	13	17	26.5	08.8	22	14	404	07	30	390	14	
8	23	42	330	02	25	288	42	07	56	36.8	13	37	24.6	12.2	02	53	401	08	20	364	37	
9	00	01	331	20	22	304	27	17	55	34.6	02	23	19.9	14.7	21	23	394	08	30	358	36	
10 D	10	59	341	16	47	287	54	18	11	37.4	12	04	25.5	11.9	21	09	394	16	36	373	21	
11	20	18	329	14	08	293	36	17	40	35.5	14	15	21.2	14.3	20	00	391	14	13	376	15	
12	22	00	330	16	04	296	34	18	02	34.2	13	43	25.6	08.6	19	15	400	06	00	383	17	
13 Q	20	58	334	15	40	297	37	18	00	33.7	13	38	26.2	07.5	19	34	396	16	00	383	13	
14	11	30	334	16	20	299	35	17	40	35.8	14	05	25.1	10.7	18	50	393	15	35	378	15	
15 Q	11	00	330	16	15	305	25	17	50	33.2	13	07	26.5	06.7	01	15	393	15	35	374	19	
16	19	23	336	08	05	313	23	08	25	34.4	03	08	24.2	10.2	20	20	391	09	06	367	24	
17	22	08	334	15	50	312	22	17	55	33.8	13	58	25.2	08.6	20	25	388	15	20	374	14	
18	22	04	342	14	30	296	46	17	35	35.5	00	58	22.3	13.2	01	08	392	08	45	371	21	
19	03	33	332	15	26	294	38	07	01	37.4	02	45	13.1	24.3	19	52	393	07	16	367	26	
20 D	04	30	326	16	13	261	65	17	16	45.5	03	33	19.1	26.4	22	54	402	04	25	339	63	
21	23	33	322	15	25	300	22	17	47	33.2	13	25	27.2	06.0	00	01	397	23	55	386	11	
22	21	32	330	16	21	295	35	18	27	33.9	13	27	25.4	08.5	19	07	396	15	41	382	14	
23	23	30	327	15	57	297	30	18	13	34.3	01	53	22.3	12.0	20	15	396	21	58	376	20	
24 Q	21	05	330	15	33	311	19	18	32	31.6	03	02	27.2	04.4	06	00	391	16	05	375	16	
25 Q	21	13	335	16	35	311	24	17	55	31.2	13	48	25.4	05.8	19	56	387	15	30	374	13	
26	23	23	329	01	46	294	35	18	00	33.2	01	33	22.2	11.0	02	10	392	00	24	377	15	
27 Q	23	00	335	03	45	302	33	17	45	33.1	14	30	25.4	07.7	20	33	386	15	50	366	20	
28	21	00	349	15	35	297	52	17	45	33.4	14	06	27.2	06.2	20	14	391	15	25	375	16	
29	05	00	333	16	21	312	21	17	25	32.4	04	18	25.9	06.5	18	53	383	15	15	373	10	
30	13	00	339	16	10	307	32	17	40	33.1	11	30	25.4	07.7	02	50	385	07	14	369	16	
31																						
Mean			332			293	39			36.1			22.8	13.3			398			369	29	
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 1944

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	320	315	319	321	321	320	325	329	329	331	332	331	331	324	316	314	311	310	313	316	315	318	323	321	321
2	311	298	315	322	322	315	316	314	317	319	330	332	327	320	315	309	295	302	318	308	305	316	313	316	315
3	310	293	302	306	311	313	320	325	321	320	323	321	316	306	302	306	307	306	313	317	320	324	317	318	313
4	318	321	313	308	321	313	315	314	318	321	322	326	321	316	310	301	300	300	306	310	317	321	319	319	315
5	318	317	315	308	308	310	315	317	311	316	322	324	326	326	324	313	308	307	312	316	321	324	317	311	316
6	303	295	301	310	307	305	302	310	315	320	324	327	329	323	316	305	306	310	314	318	318	321	321	322	314
7 Q	318	315	317	321	319	320	321	324	326	326	326	326	326	322	316	310	310	313	320	321	323	326	327	327	321
8	326	326	325	324	323	323	326	326	326	329	331	332	331	328	324	321	315	315	318	323	331	336	331	322	326
9	314	310	298	305	310	310	313	319	324	325	324	326	326	318	313	309	305	310	315	319	327	327	326	323	316
10 Q	316	308	309	309	312	319	319	321	322	321	325	327	327	327	317	308	302	309	319	325	332	329	329	327	319
11 Q	323	319	316	319	321	325	324	325	324	327	327	329	322	318	316	308	304	311	318	323	324	328	332	330	322
12	325	321	317	313	313	321	322	327	328	332	332	332	332	329	326	321	318	320	325	324	328	332	329	329	325
13 D	326	321	321	316	314	324	319	322	324	327	335	348	351	347	335	310	279	290	296	311	310	309	301	300	318
14	298	285	273	260	251	274	276	280	283	296	305	303	301	301	296	293	292	294	301	308	313	314	313	312	293
15	312	310	312	312	312	314	314	312	309	313	316	320	317	311	307	295	294	297	306	325	329	327	312	303	312
16 D	322	318	321	325	328	330	317	316	321	334	343	311	294	170	-125	81	203	270	255	259	256	263	270	266	264
17 D	265	270	265	268	260											224	211	224	255	280	260	266	280	252	
18 D	278	281	274	275	245	250	263	268	273	283	285	275	276	273	267	260	261	265	277	291	296	297	299	299	276
19	299	300	298	297	300	290	293	286	290	290	298	297	293	288	281	271	266	279	288	293	295	297	302	302	292
20	304	307	299	297	296	296	299	299	298	297	294	294	290	284	274	269	271	283	288	287	295	308	311	295	293
21	288	295	297	298	316	302	298	295	295	298	299	298	297	294	289	281	277	281	294	303	303	307	304	298	296
22	295	295	298	302	302	302	300	303	303	305	307	310	305	299	294	288	283	295	302	302	300	310	302	299	300
23	297	300	300	300	300	299	297	300	300	302	303	304	303	298	288	278	283	292	298	302	310	309	307	308	299
24 Q	308	307	308	304	303	304	307	307	308	309	308	308	307	300	292	286	290	295	297	304	311	314	313	310	304
25 Q	307	307	305	305	303	302	300	300	302	305	307	307	308	308	303	295	290	299	308	315	321	320	318	315	307
26	313	312	313	312	308	311	308	308	309	312	317	312	319	318	312	310	310	313	312	318	317	318	318	314	313
27 D	310	299	280	298	310	314	311	304	310	324	324	311	314	310	260	270	264	279	269	264	272	270	253	234	290
28	230	283	289	288	286	288	293	295	302	305	308	318	329	318	313	302	290	294	298	301	308	308	305	306	298
29	302	298	293	295	299	298	291	293	298	301	309	309	310	304	302	293	287	288	293	282	291	303	309	301	298
30	289	283	283	302	303	289	302	298	304	313	313	308	313	315	295	286	288	293	306	310	314	296	291	300	300
31	301	299	303	311	308	304	303	306	309	311	312	313	313	311	308	302	308	314	314	314	315	303	301	297	308
Mean	306	305	303	305	306	306	307	308	310	313	316	316	315	307	289	290	290	297	303	307	310	312	310	307	306

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 46 Agincourt

D = 7° W + . . . ' .

December 1944

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	28.3	27.7	27.1	28.2	28.4	28.3	29.2	29.2	27.5	27.3	27.0	28.2	29.4	30.3	28.9	31.6	33.3	33.6	33.2	32.2	32.2	31.0	29.1	28.5	29.6
2	27.7	23.1	26.7	27.3	28.2	28.5	25.6	32.7	30.9	28.7	28.9	25.4	26.1	25.9	25.6	29.1	33.7	37.9	35.0	35.9	33.4	30.0	30.0	27.7	29.3
3	27.7	25.9	25.8	25.8	27.2	30.4	37.4	30.9	28.9	26.9	28.0	28.0	27.7	27.8	29.1	30.7	32.5	33.7	33.8	32.8	31.0	29.8	29.2	28.2	29.5
4	27.4	25.9	27.2	28.2	26.4	29.0	30.0	29.6	30.0	29.0	29.1	29.2	27.9	26.5	26.4	27.5	29.8	31.8	32.2	31.8	30.9	30.7	29.5	29.0	29.0
5	27.7	26.8	24.3	25.1	27.6	28.2	29.5	30.0	30.6	35.9	30.9	29.3	28.2	27.7	28.2	29.2	30.1	31.3	31.9	31.8	31.0	29.7	29.2	29.2	29.3
6	28.2	28.8	28.5	27.3	26.1	26.2	26.8	28.0	28.6	30.5	28.6	27.8	28.0	27.2	27.4	30.0	32.5	32.7	32.6	31.3	30.4	29.6	28.8	28.6	29.0
7 Q	27.8	27.3	28.0	28.2	28.7	29.4	29.4	29.4	31.0	28.7	28.6	28.5	28.1	27.6	27.7	28.3	29.9	31.0	31.3	30.7	30.1	29.6	28.8	28.2	29.0
8	28.2	28.1	28.0	28.1	28.6	29.0	29.0	29.0	28.2	28.0	27.6	27.3	28.2	28.9	28.2	29.2	30.9	31.9	33.1	32.2	30.9	29.6	29.5	29.7	29.2
9	30.0	28.2	25.9	21.8	26.1	28.2	28.2	28.2	28.2	27.3	27.8	28.0	27.7	26.9	26.1	27.7	29.8	31.8	31.9	31.8	29.6	28.7	28.2	28.2	28.2
10 Q	28.6	28.5	27.7	26.8	27.5	29.2	28.2	28.5	27.7	27.4	27.9	27.9	27.6	27.7	27.8	29.2	30.4	32.2	32.5	32.4	30.9	29.4	28.5	28.2	28.9
11 Q	28.2	27.8	26.3	27.7	27.7	28.9	28.9	28.6	30.1	29.1	27.7	27.2	28.2	27.9	27.2	28.2	30.1	30.9	31.0	30.1	29.4	28.8	28.0	27.8	28.5
12	27.5	28.0	28.2	27.9	27.7	28.2	28.5	28.9	28.2	28.2	28.2	28.0	27.7	26.8	26.1	26.1	27.7	28.9	30.5	30.5	29.4	28.6	27.8	27.4	28.2
13 D	26.9	26.1	26.8	28.2	28.2	30.1	28.5	28.0	28.4	28.2	30.0	27.2	26.7	27.3	28.7	28.2	36.3	37.4	38.6	35.9	33.7	31.0	30.1	27.2	29.7
14	28.2	25.6	25.4	27.5	16.7	18.2	22.8	30.9	29.5	28.0	28.2	29.5	32.3	33.7	33.1	33.1	33.5	33.4	32.5	31.3	30.5	29.6	29.1	29.2	28.8
15	29.0	29.0	28.7	29.6	29.8	29.7	29.6	30.5	29.5	29.4	28.2	27.4	27.2	27.1	26.3	28.9	30.9	32.6	32.9	31.4	29.9	29.2	29.5	28.0	29.3
16 D	26.8	26.6	26.4	27.8	27.3	29.1	27.3	28.6	27.3	26.1	25.8	46.4	34.0	35.2	96.2	63.7	42.3	41.0	37.6	35.8	32.7	31.8	31.4	30.9	35.8
17 D																32.9	37.3	36.6	43.7	40.6	31.9	34.5	29.5	26.1	
18 D	27.6	26.3	26.7	28.7	41.9	40.1	28.5	34.5	33.6	31.1	30.4	31.3	28.4	26.7	26.6	28.2	29.9	32.1	33.1	32.6	30.9	29.9	29.7	29.5	30.8
19	29.1	28.1	28.1	27.2	28.8	29.4	30.0	29.1	28.4	33.0	29.1	29.0	28.4	27.6	27.2	30.0	33.2	33.6	34.6	33.1	33.1	31.3	31.8	31.3	30.1
20	28.1	28.0	29.1	29.0	29.3	31.7	34.2	30.0	29.1	29.1	28.4	29.7	28.1	27.2	27.1	29.9	34.5	37.0	35.8	34.1	32.5	31.7	30.9	26.8	30.4
21	23.6	28.6	29.3	25.8	26.7	30.9	30.0	30.3	29.5	29.3	31.0	29.1	27.0	24.4	25.8	28.5	31.9	34.4	34.2	32.6	30.8	30.3	30.0	28.6	29.2
22	27.2	26.3	28.1	29.4	29.9	30.0	29.5	29.2	29.1	28.8	28.1	28.0	27.3	27.2	26.7	29.1	32.1	32.7	32.7	33.2	34.1	32.7	30.8	30.2	29.7
23	29.9	28.4	28.1	28.8	27.7	29.7	27.8	28.5	27.1	28.1	28.6	29.1	27.9	25.8	25.1	29.1	30.8	31.6	31.7	31.7	30.9	30.1	29.1	28.4	28.9
24 Q	28.1	28.2	28.1	29.0	29.3	29.0	28.5	28.1	28.1	28.4	28.1	28.8	27.8	26.9	27.0	29.1	31.5	32.7	33.2	33.1	31.7	30.9	29.0	28.4	29.2
25 Q	28.0	27.8	28.0	28.4	28.7	28.2	28.0	27.8	27.9	28.0	28.5	28.9	27.5	26.2	25.9	28.5	30.5	32.7	32.6	31.9	30.2	29.8	29.7	28.9	28.9
26	28.9	28.0	27.8	27.8	28.0	28.7	28.0	28.0	28.4	28.7	28.7	26.9	26.6	22.4	24.8	27.4	28.5	30.2	31.6	30.5	29.8	28.4	27.5	26.5	28.0
27 D	26.1	24.8	22.9	27.0	28.2	28.0	27.6	28.1	22.1	25.0	41.7	40.2	46.7	36.7	39.1	41.5	44.0	39.7	37.5	34.9	36.4	32.6	29.3	23.5	32.7
28	13.5	28.9	30.7	31.0	31.2	30.4	29.6	30.0	31.0	31.9	29.6	30.2	27.9	24.3	26.2	29.4	30.8	31.5	31.7	30.3	29.9	29.4	29.0	28.8	29.0
29	28.4	28.3	29.0	24.3	28.4	29.3	29.4	29.1	29.0	31.6	30.8	30.5	27.5	25.3	26.1	28.7	30.5	33.6	34.3	32.6	30.8	32.1	29.3	28.7	29.5
30	28.9	26.9	26.5	20.3	28.0	28.9	31.6	27.1	33.5	27.0	27.0	30.2	31.8	27.1	28.9	28.9	31.7	33.5	32.7	31.7	30.7	30.6	30.0	28.3	29.2
31	27.3	26.7	28.0	29.0	29.4	29.8	29.3	29.8	28.3	28.9	29.0	28.7	27.4	25.2	29.0	33.2	35.3	35.0	33.7	33.1	30.7	29.0	28.3	25.7	29.6
Mean	27.4	27.3	27.4	27.4	28.3	29.2	29.0	29.4	28.9	28.9	29.0	29.5	28.8	27.6	30.0	30.8	32.3	33.4	33.3	32.5	31.3	30.2	29.4	28.3	29.6

AGINCOURT MAGNETIC OBSERVATORY 1942-1943-1944

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

Table 47 Agincourt

z = 56,000 γ +

December 1944

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	380	381	381	380	379	379	377	374	376	378	376	374	373	374	375	381	381	381	383	386	388	390	389	388	380
2	388	394	397	392	390	385	381	382	365	361	356	362	373	380	385	384	387	394	396	399	407	400	397	394	385
3	391	391	388	382	385	367	348	367	376	378	379	378	378	379	380	380	378	380	381	382	384	384	384	385	380
4	384	380	380	382	366	372	377	379	379	379	379	377	378	378	375	371	377	378	383	386	387	386	384	385	379
5	385	385	380	380	383	383	381	383	379	372	373	377	378	377	375	369	371	374	378	385	386	385	383	384	380
6	387	394	396	392	389	383	378	379	380	374	374	378	378	377	376	374	377	378	380	381	384	383	381	380	381
7 Q	380	380	382	380	379	379	379	380	376	375	377	380	379	378	374	372	375	377	380	382	383	383	381	378	379
8	376	377	377	377	377	377	375	372	373	376	377	376	376	376	376	372	372	374	378	381	382	384	383	382	377
9	382	385	393	385	387	383	383	383	382	381	378	379	378	375	374	371	371	374	379	387	385	381	381	379	381
10 Q	379	383	384	385	382	381	379	379	379	378	378	377	379	376	375	369	373	375	377	377	377	377	377	375	378
11 Q	376	377	377	376	377	376	375	374	372	373	373	372	372	375	375	373	371	373	374	372	376	377	375	374	374
12	374	374	375	376	377	377	375	374	373	373	371	371	372	372	372	368	365	367	369	368	369	373	371	368	372
13 D	372	372	371	372	370	358	361	370	370	370	365	357	357	357	359	354	363	376	381	383	382	382	389	392	370
14	388	386	368	332	360	348	333	335	342	357	368	374	380	384	380	377	381	380	382	384	386	384	386	382	370
15	382	382	381	380	381	379	375	373	378	380	380	379	379	377	379	376	376	377	383	386	383	383	382	383	380
16 D	382	379	379	377	375	372	367	376	380	373	376	353	339	370	408	427	451	444	389	405	409	409	409	405	390
17 D	405	406	406	403	398											426	429	474	450	456	462	448	474	438	
18 D	433	414	411	390	352	309	361	360	372	390	393	395	400	402	396	391	388	393	399	402	399	397	394	392	389
19	391	391	390	391	391	387	387	388	390	388	386	391	391	391	388	384	390	395	394	392	393	395	394	395	391
20	392	391	390	390	389	384	371	387	390	387	386	387	387	386	385	386	383	386	392	392	393	393	390	395	388
21	397	401	400	393	387	385	387	385	385	384	385	385	385	381	378	375	380	387	391	392	390	390	389	387	387
22	387	387	387	387	387	386	385	385	384	384	384	384	384	385	383	381	385	389	390	387	391	391	391	393	387
23	392	390	389	385	383	384	386	387	383	383	383	382	383	383	379	377	385	388	386	384	388	387	384	384	385
24 Q	383	384	382	383	384	383	385	384	384	383	382	382	383	382	380	378	385	388	386	385	384	385	383	383	383
25 Q	384	383	384	383	385	384	383	384	383	383	383	383	382	380	373	372	376	377	379	378	378	379	380	380	380
26	379	378	379	379	378	378	378	378	378	377	376	375	376	376	372	371	371	369	371	372	375	376	377	376	376
27 D	375	373	378	379	375	368	364	343	346	335	332	315	336	353	358	375	408	434	426	432	446	449	455	464	384
28	464	424	395	388	390	388	385	378	376	370	372	380	376	369	367	377	381	380	382	384	383	383	382	385	
29	380	380	380	375	376	377	376	376	371	375	378	381	380	378	371	366	372	381	385	392	398	390	384	384	380
30	391	387	393	381	381	380	379	372	352	354	365	374	376	369	372	375	382	386	390	388	388	390	396	395	380
31	389	385	385	375	376	379	379	380	379	379	379	379	379	379	377	373	366	374	376	379	380	380	382	383	379
Mean	388	386	385	381	380	376	375	376	375	375	376	375	376	377	377	376	381	385	385	387	389	388	388	388	381

DAILY EXTREMES OF MAGNETIC ELEMENTS

Table 48 Agincourt

December 1944

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	12 23	336	14 42	307	29	18 02	35.1	02 14	25.9	09.2	20 55	391	12 34	370	21
2	11 47	336	19 56	285	51	17 15	39.2	01 47	18.9	20.3	20 25	410	10 35	351	59
3	06 57	332	01 45	288	44	06 05	40.2	02 19	17.3	22.9	01 50	396	06 14	341	55
4	04 09	330	16 55	300	30	18 10	32.7	01 43	24.5	08.2	21 00	390	04 30	357	33
5	21 19	328	08 58	301	27	09 25	38.9	03 00	22.6	16.3	19 59	389	09 41	363	26
6	12 25	331	01 04	292	39	17 01	33.4	04 05	24.9	08.5	01 23	396	09 58	370	26
7 Q	21 40	327	16 41	308	19	08 11	32.3	01 27	26.5	05.8	21 05	383	15 25	370	13
8	21 35	337	17 27	311	26	18 28	33.6	10 50	27.2	06.4	21 00	386	16 15	368	18
9	20 35	332	02 50	288	44	19 31	33.2	03 12	18.2	15.0	03 00	401	15 40	369	32
10 Q	20 00	333	16 30	301	32	19 23	34.1	03 27	26.8	07.3	02 55	385	16 00	369	16
11 Q	22 10	332	16 35	303	29	18 03	32.0	02 27	24.6	07.4	21 25	379	08 25	368	11
12	21 20	334	04 15	309	25	18 30	31.3	15 20	25.8	05.5	04 55	378	16 50	363	15
13 D	13 00	357	16 06	266	91	17 18	40.0	15 43	23.1	16.9	22 55	396	15 44	348	48
14	03 10	324	03 27	211	113	03 20	50.5	04 51	13.2	37.3	00 50	390	03 19	285	105
15	19 24	342	17 20	291	51	19 30	35.0	23 49	24.5	10.5	19 24	392	06 45	370	22
16 D	00 45	365	14 26	-254	619	14 43	113.5	00 33	21.3	92.2	14 20	511	15 00	272	239
17 D															
18 D	01 05	311	05 19	203	108	04 57	66.4	00 05	13.4	53.0	00 01	464	05 03	236	228
19	22 16	304	16 30	263	41	09 18	35.7	03 26	26.5	09.2	17 50	397	10 00	378	19
20	18 58	314	15 55	261	53	06 15	37.7	23 59	23.1	14.6	23 40	397	06 11	362	35
21	04 10	328	15 43	268	60	17 50	35.0	03 50	15.5	19.5	01 10	403	15 45	372	31
22	20 55	313	16 20	282	31	20 22	35.4	01 10	24.4	11.0	23 58	396	15 00	379	17
23	21 12	313	16 00	277	36	19 00	32.1	14 10	24.4	07.7	00 35	395	15 00	376	19
24 Q	21 47	315	15 23	286	29	18 55	33.6	13 50	26.5	07.1	18 00	388	15 15	377	11
25 Q	21 00	322	16 45	290	32	17 35	33.9	14 07	25.7	08.2	07 00	386	15 30	370	16
26	22 50	326	16 20	303	23	18 05	32.1	13 43	21.1	11.0	10 30	379	14 40	363	16
27 D	10 54	347	23 44	210	137	12 15	53.4	23 55	09.6	43.8	23 08	497	11 29	303	194
28	12 17	339	00 25	202	137	09 19	33.2	00 35	10.5	22.7	00 40	490	10 05	360	130
29	12 15	314	19 45	271	43	21 13	35.2	03 45	17.1	18.1	20 14	404	15 29	364	40
30	20 20	321	03 02	268	53	08 20	38.1	03 14	0.5	37.6	22 50	398	09 00	339	59
31	20 44	317	23 22	293	24	16 45	36.1	13 40	24.0	12.1	00 01	390	15 35	366	24
Mean		329		260	69		39.7		20.9	18.8		405		352	53
No. days		30		30	30		30		30	30		30		30	30

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)																									
Table 49 Agincourt																								1944	
January	-2	0	+1	-1	+3	+3	+3	+1	+2	+5	+9	+9	+8	+4	-5	-17	-18	-13	-4	+1	+4	+8	+4	+2	
February	+4	+3	+1	-1	-2	-4	-5	-2	-3	+2	+6	+4	-2	-4	-8	-10	-8	-2	+2	+6	+7	+9	+6		
March	+6	+2	+1	+5	+2	-2	-8	-7	-2	-3	+1	+6	+2	0	-11	-20	-16	-9	-2	+8	+15	+17	+12	+9	
April	+4	+5	+4	+6	+6	+3	-2	-13	-16	-15	-7	-3	+1	-5	-12	-15	-9	-2	+8	+13	+18	+20	+14	+9	
May	+1	-1	+1	+2	+2	+2	+1	0	0	+1	0	-5	-8	-17	-23	-21	-13	-2	+6	+14	+15	+13	+11	+9	
June	+2	0	+1	0	0	-1	0	+1	-1	-2	-2	-4	-8	-14	-18	-22	-16	-3	+9	+15	+18	+16	+12	+8	
July	+7	+4	+4	+2	0	+1	+2	+1	+1	-1	+1	-1	-1	-2	-6	-14	-21	-23	-17	-4	+7	+14	+16	+14	+9
August	+4	+2	-1	+2	+1	0	-4	-2	-2	-1	-1	-1	-8	-16	-24	-23	-14	-3	+9	+17	+19	+17	+15	+11	
September	+3	+4	+2	+3	+4	+2	+2	+2	+3	+5	+5	+2	-4	-14	-22	-24	-17	-8	+3	+10	+14	+11	+10	+5	
October	+1	+4	+2	+1	+3	+3	+5	+5	+6	+5	+7	+3	-2	-9	-17	-21	-17	-10	-3	+3	+7	+7	+4	+4	
November	+4	+2	-1	-3	-2	-2	0	+1	+2	+3	+5	+6	+2	-3	-10	-16	-15	-9	-2	+3	+7	+7	+4	+6	
December	0	-1	-3	-1	0	0	+1	+2	+4	+7	+10	+10	+9	+1	-17	-16	-16	-9	-3	+1	+4	+6	+4	+1	
Year	+2.8	+2.0	+1.0	+1.4	+1.5	+0.6	-0.3	-1.2	-0.4	0.0	+2.5	+2.3	-0.8	-7.4	-15.3	-18.8	-14.8	-6.7	+2.2	+6.4	+11.9	+12.1	+9.4	+6.6	
Winter	+1.5	+1.0	-0.5	-1.0	0.0	-0.2	0.0	-0.2	+1.5	+3.0	+6.5	+7.8	+5.8	0.0	-9.0	-14.2	-14.8	-9.8	-2.8	+1.8	+5.2	+7.0	+5.2	+3.8	
Equinox	+3.5	+3.8	+2.2	+3.8	+3.8	+1.5	-0.8	-3.2	-2.2	-2.0	+1.5	+2.0	-0.8	-7.0	-15.5	-20.0	-14.8	-7.2	+1.5	+6.5	+13.5	+13.8	+10.0	+6.8	
Summer	+3.5	+1.2	+1.2	+1.5	+0.8	+0.5	-0.2	0.0	-0.5	-0.8	-0.5	-3.0	-7.5	-15.2	-21.5	-22.2	-15.0	-3.0	+7.8	+15.0	+17.0	+15.5	+13.0	+9.2	
DECLINATION (minutes) (All Days)																									
Table 50 Agincourt																								1944	
January	+2.4	+3.4	+3.2	+2.9	+1.3	+0.3	-0.5	-0.8	-1.1	-1.0	-0.5	+0.5	+1.4	+2.9	+2.9	-0.5	-2.7	-4.2	-4.2	-3.5	-2.5	-1.1	+0.2	+0.9	
February	+1.1	+2.0	+2.2	+1.5	+1.9	+1.4	+0.4	-0.3	0.0	-0.6	-0.2	+1.2	+0.8	+0.7	+1.2	+0.2	-1.4	-3.0	-3.6	-3.4	-2.2	-0.5	-0.4	+0.3	
March	+2.0	+2.2	+3.8	+3.7	+1.9	+2.1	-0.7	-2.0	-0.3	+1.0	+0.5	+1.4	+1.8	+3.7	+2.9	-0.4	-2.9	-4.8	-5.5	-4.6	-3.2	-2.2	-0.8	+0.9	
April	+1.6	+2.5	+3.9	+2.2	+0.9	+0.8	+0.9	+1.2	-0.3	+0.2	+1.5	+2.1	+4.0	+3.5	+2.1	-1.1	-3.5	-5.3	-5.7	-5.3	-3.6	-2.4	-0.8	+0.6	
May	+1.2	+1.8	+1.4	+1.3	+1.4	+0.6	+0.5	+0.6	+1.2	+2.6	+3.8	+4.3	+4.3	+3.1	+0.9	-2.0	-4.6	-5.5	-6.2	-5.3	-3.7	-1.9	-0.6	+0.5	
June	+0.4	+0.9	+1.3	+1.2	+1.2	+0.6	+0.1	-0.5	-0.1	+1.5	+3.7	+5.9	+6.6	+5.6	+3.4	-0.9	-4.7	-6.5	-6.6	-5.8	-4.1	-2.4	-0.9	+0.2	
July	-0.6	+0.1	+1.1	+1.1	+1.1	+0.8	0.0	+0.8	+0.4	+1.5	+4.0	+5.9	+6.9	+6.2	+3.7	-0.5	-3.7	-5.6	-6.4	-5.8	-4.6	-3.2	-1.9	-0.9	
August	0.0	+0.9	+2.9	+1.0	+1.0	+1.0	+0.2	+1.6	+0.9	+2.1	+4.3	+6.1	+6.4	+4.9	+2.0	-2.3	-5.8	-7.3	-7.1	-5.6	-4.1	-2.6	-1.3	-0.3	
September	+1.7	+2.2	+2.7	+1.1	+0.4	-0.3	-0.1	+0.7	+0.7	+2.3	+3.0	+3.7	+4.8	+4.3	+1.7	-1.4	-4.1	-5.9	-6.2	-5.1	-3.3	-1.8	-0.9	-0.3	
October	+1.7	+2.2	+1.7	+1.9	+0.7	-0.3	-1.7	+0.4	+1.2	+1.4	+1.7	+2.6	+4.1	+4.5	+2.6	-0.6	-3.5	-5.1	-5.4	-4.8	-3.1	-1.7	-0.7	+0.1	
November	+1.0	+1.5	+1.8	+2.2	+0.9	+0.4	0.0	-1.0	-0.3	+1.5	+1.6	+1.8	+1.7	+1.9	+1.7	-0.4	-2.8	-4.3	-4.4	-3.2	-1.7	-0.5	-0.1	+0.7	
December	+2.2	+2.3	+2.2	+2.2	+1.3	+0.4	+0.6	+0.2	+0.7	+0.6	+0.6	+0.1	+0.8	+2.0	-0.4	-1.2	-2.7	-3.8	-3.7	-2.9	-1.7	-0.6	+0.2	+1.3	
Year	+1.2	+1.8	+2.4	+1.8	+1.2	+0.6	0.0	+0.1	+0.2	+1.1	+2.0	+3.0	+3.6	+3.6	+2.0	-0.9	-3.5	-5.1	-5.4	-4.6	-3.2	-1.7	-0.6	+0.3	
Winter	+1.7	+2.3	+2.4	+2.2	+1.4	+0.6	+0.1	-0.5	-0.2	+0.2	+0.4	+0.9	+1.2	+1.9	+1.4	-0.5	-2.4	-3.8	-4.0	-3.2	-2.0	-0.7	0.0	+0.8	
Equinox	+1.8	+2.3	+3.0	+2.2	+1.0	+0.6	-0.4	+0.1	+0.3	+1.2	+1.7	+2.4	+3.7	+4.0	+2.3	-0.9	-3.5	-5.3	-5.7	-5.0	-3.3	-2.0	-0.8	+0.3	
Summer	+0.2	+0.9	+1.7	+1.2	+1.2	+0.8	+0.2	+0.6	+0.6	+1.9	+4.0	+5.6	+6.0	+5.0	+2.5	-1.4	-4.7	-6.2	-6.6	-5.6	-4.1	-2.5	-1.2	-0.1	
VERTICAL INTENSITY (gammas) (All Days)																									
Table 51 Agincourt																								1944	
January	+9	+8	+5	+1	-4	-5	-6	-8	-8	-9	-9	-7	-3	-3	-5	-7	-2	+3	+5	+6	+7	+8	+8	+8	
February	+7	+7	+5	+3	-2	-5	-10	-11	-9	-9	-9	-5	-3	-2	-3	-4	-1	+2	+4	+7	+8	+9	+7	+8	
March	+21	+17	+6	-4	-10	-13	-19	-22	-20	-18	-12	-5	-2	0	+1	0	+2	+3	+8	+11	+13	+15	+16	+18	
April	+17	+15	+9	+4	-4	-9	-16	-26	-33	-24	-18	-10	-1	0	-1	-1	+2	+5	+9	+12	+15	+18	+20	+19	
May	+11	+9	+6	+3	-3	-11	-11	-9	-6	-1	-1	-4	-4	-6	-7	-8	-7	-4	+2	+7	+10	+13	+13	+13	
June	+11	+8	+3	0	-5	-7	-7	-13	-8	-6	-1	0	0	-2	-2	-4	-6	-5	-3	+1	+6	+9	+13	+13	
July	+6	+4	+2	-1	-3	-6	-9	-7	-5	-3	0	+1	-1	-2	-2	-4	-4	-4	-3	+1	+6	+8	+9	+9	
August	+10	+7	+1	-6	-4	-7	-13	-13	-13	-9	-3	-2	-1	-2	-2	-3	-2	-1	+4	+8	+11	+13	+13	+13	
September	+11	+5	+3	-1	-4	-7	-9	-7	-7	-7	-3	-3	-3	-4	-3	-3	-3	-1	+2	+6	+8	+9	+10	+15	
October	+13	+12	+4	-4	-2	-6	-9	-6	-4	-4	-3	-3	-1	-3	-7	-10	-6	-2	0	+4	+7	+10	+12	+16	
November	+3	+2	+2	0	-1	-3	-4	-7	-7	-3	-1	-1	-1	-1	-3	-5	-3	-1	+4	+6	+6	+6	+4	+3	
December	+7	+5	-4	0	-1	-5	-6	-5	-6	-6	-5	-6	-5	-4	-4	-5	0	+4	+4	+6	+8	+7	+7	+7	
Year	+10.5	+8.2	+3.5	-0.4	-3.6	-7.0	-9.9	-11.2	-10.5	-8.2	-5.4	-3.8	-2.1	-2.4	-3.1	-4.5	-2.5	+0.2	+3.0	+6.2	+8.8	+10.4	+11.0	+11.9	
Winter	+6.5	+5.5	+2.0	+1.0	-2.0	-4.5	-6.5	-7.8	-7.5	-6.8	-6.0	-4.8	-3.0	-2.5	-3.8	-5.2	-1.5	+2.5	+4.2	+6.2	+7.2	+7.5	+6.5	+6.8	
Equinox	+15.5	+12.2	+5.5	-1.2	-5.0	-8.8	-13.2	-15.2	-16.0	-13.2	-9.0	-5.2	-1.8	-1.8	-2.2	-3.5	-1.2	+1.2	+4.8	+8.2	+10.8	+13.0	+14.5	+17.0	
Summer	+9.5	+7.0	+3.0	-1.0	-3.8	-7.8	-10.0	-10.5	-8.0	-4.8	-1.2	-1.2	-1.5	-3.0	-3.2	-4.8	-4.8	-3.0	0.0	+4.2	+8.2	+10.8	+12.0	+12.0	

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

Hour Month Season	U. T. 0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 52 Agincourt HORIZONTAL INTENSITY (gammas) (Quiet Days) 1944																								
January	+1	+2	+2	-2	-1	0	-1	+1	+1	+1	+3	+2	+3	-2	-8	-14	-13	-8	-2	+3	+7	+9	+9	+8
February	+4	+2	+2	0	0	0	0	+1	+1	+2	+1	+2	+1	-3	-6	-12	-11	-9	-4	+2	+4	+9	+8	+7
March	+6	+4	+2	-2	-3	0	-2	+2	+4	+5	+6	+6	+2	-3	-12	-19	-19	-13	-4	+3	+10	+12	+9	+8
April	+2	+2	+4	+5	+4	+4	+4	+4	+5	+4	+4	+3	+1	-9	-18	-22	-14	-7	0	+3	+6	+6	+5	+4
May	+4	+5	+6	+3	+3	+3	+3	+2	+2	0	0	-3	-10	-20	-24	-22	-12	-2	+8	+15	+16	+12	+6	+5
June	+4	+2	+4	+2	+2	+2	+1	0	-1	-2	0	-1	-3	-10	-16	-19	-15	-5	+3	+10	+13	+13	+9	+7
July	+6	+5	+6	+4	+2	+3	+4	+5	+4	+4	+4	+2	-4	-14	-25	-28	-21	-8	+3	+11	+13	+10	+7	+6
August	+2	0	+1	+2	0	+4	+4	+4	+3	+2	+2	-1	-9	-20	-28	-25	-13	-1	+10	+16	+18	+17	+10	+5
September	+5	+7	+5	+3	+5	+1	+2	+2	+3	+3	+3	0	-6	-13	-19	-21	-17	-9	+3	+11	+11	+9	+6	+7
October	+6	+5	0	+2	+5	+6	+8	+8	+8	+7	+8	+4	-3	-12	-19	-24	-22	-15	-6	+2	+5	+8	+9	+9
November	+3	+1	-1	-2	-2	-1	0	+2	+3	+4	+5	+5	+1	-3	-8	-13	-13	-9	-4	+1	+6	+8	+8	+7
December	+2	-1	-2	-1	-1	+1	+1	+2	+2	+4	+4	+5	+4	0	-6	-13	-16	-10	-3	+2	+6	+8	+8	+6
Year	+3.8	+2.8	+2.4	+1.2	+1.2	+1.9	+2.0	+2.8	+2.9	+2.8	+3.3	+2.0	-1.9	-9.1	-15.8	-19.3	-15.5	-8.0	+0.3	+6.6	+9.6	+10.1	+7.8	+6.6
Winter	+2.5	+1.0	+0.2	-1.2	-1.0	0.0	0.0	+1.5	+1.8	+2.8	+3.2	+3.5	+2.2	-2.0	-7.0	-13.0	-13.2	-9.0	-3.2	+2.0	+5.8	+8.5	+8.2	+7.0
Equinox	+4.8	+4.5	+2.8	+2.0	+2.8	+2.8	+3.0	+4.0	+5.0	+4.8	+5.2	+3.2	-1.5	-9.2	-17.0	-21.5	-18.0	-11.0	-1.8	+4.8	+8.0	+8.8	+7.2	+7.0
Summer	+4.0	+3.0	+4.2	+2.8	+1.8	+3.0	+3.0	+2.8	+2.0	+1.0	+1.5	-0.8	-6.5	-16.0	-23.2	-23.5	-15.2	-4.0	+6.0	+13.0	+15.0	+13.0	+8.0	+5.8

Table 53 Agincourt DECLINATION (minutes) (Quiet Days) 1944																								
January	+0.9	+1.2	+1.1	+1.3	+0.9	+0.7	+0.3	0.0	+0.2	+0.4	+0.5	+1.0	+1.7	+2.4	+2.9	+0.8	-1.2	-2.7	-3.6	-3.3	-2.7	-1.4	-1.2	-0.4
February	+0.3	+0.3	+0.6	+0.4	+0.4	+0.5	+0.5	+0.5	+0.9	+1.1	+0.9	+0.9	+1.9	+2.8	+2.6	+0.6	-1.6	-3.2	-3.8	-3.2	-1.9	-1.0	-0.4	-0.3
March	+0.3	+0.7	+1.4	+1.7	+1.4	+1.3	+0.3	-0.3	+0.6	+1.1	+1.7	+1.9	+3.0	+4.0	+3.9	+0.6	-2.4	-4.4	-5.3	-4.7	-3.3	-1.9	-0.9	-0.6
April	+0.1	0.0	+0.1	0.0	+0.2	+0.6	+0.9	+1.5	+2.0	+2.2	+2.7	+3.6	+4.1	+3.7	+2.4	-1.1	-3.3	-4.6	-4.9	-4.2	-3.1	-1.9	-0.8	-0.1
May	-0.3	-0.2	-0.2	-0.2	0.0	+0.2	+0.6	+1.4	+1.8	+2.6	+4.2	+5.7	+6.1	+4.4	+1.0	-2.4	-4.8	-5.9	-5.8	-4.4	-2.5	-1.3	-0.2	+0.1
June	+0.2	+1.0	-0.4	-0.6	-0.9	-0.4	-0.2	0.0	+0.9	+2.6	+4.7	+6.3	+7.8	+5.9	+3.3	-0.4	-3.9	-6.0	-6.6	-5.9	-4.0	-2.5	-1.2	+0.2
July	-1.0	-0.9	-0.6	0.0	+0.7	+0.8	+0.7	+0.7	+0.9	+1.8	+3.2	+4.9	+6.0	+5.9	+4.3	+0.8	-2.6	-5.0	-5.5	-4.5	-4.1	-3.0	-2.1	-1.3
August	0.0	+0.5	+0.9	+0.2	+1.4	+0.5	+0.6	+0.9	+1.4	+2.4	+3.4	+4.7	+5.7	+5.3	+1.9	-2.8	-6.9	-6.9	-6.1	-4.2	-2.2	-0.9	-0.4	+0.6
September	0.0	-0.7	-0.8	-0.5	-0.2	-0.2	+0.8	+1.7	+1.9	+2.0	+1.9	+3.6	+4.2	+3.5	+2.0	-0.8	-3.0	-4.4	-4.3	-3.3	-1.9	-0.8	-0.4	-0.4
October	+0.1	+1.0	+1.9	+1.0	+0.5	0.0	-0.2	+0.5	+0.9	+0.2	+1.3	+2.5	+4.3	+4.7	+3.6	+0.1	-2.4	-4.3	-4.6	-4.3	-3.0	-2.1	-1.3	-0.6
November	+0.5	+0.9	+0.6	+0.7	+0.3	+0.1	+0.1	+0.1	+0.1	+0.5	+0.7	+1.0	+1.3	+2.0	+2.1	+0.6	-1.8	-3.1	-3.2	-2.2	-1.1	-0.4	+0.1	+0.3
December	+0.8	+1.0	+1.3	+0.9	+0.5	0.0	+0.3	+0.4	0.0	+0.6	+0.7	+0.7	+1.1	+1.7	+1.8	+0.2	-1.6	-3.0	-3.2	-2.7	-1.5	-0.6	+0.1	+0.6
Year	+0.2	+0.4	+0.5	+0.4	+0.4	+0.3	+0.4	+0.6	+1.0	+1.5	+2.2	+3.1	+3.9	+3.9	+2.6	-0.3	-3.0	-4.5	-4.7	-3.9	-2.6	-1.5	-0.7	-0.2
Winter	+0.6	+0.8	+0.9	+0.8	+0.5	+0.3	+0.3	+0.2	+0.2	+0.6	+0.7	+0.9	+1.5	+2.2	+2.4	+0.6	-1.6	-3.0	-3.2	-2.8	-1.8	-0.8	-0.4	0.0
Equinox	+0.1	+0.2	+0.6	+0.6	+0.5	+0.4	+0.4	+0.8	+1.4	+1.4	+1.9	+2.9	+3.9	+4.0	+3.0	-0.3	-2.8	-4.4	-4.8	-4.1	-2.8	-1.7	-0.8	-0.4
Summer	-0.3	+0.1	0.0	-0.2	+0.3	+0.3	+0.4	+0.8	+1.2	+2.4	+3.9	+5.4	+6.4	+5.4	+2.6	-1.2	-4.6	-5.9	-6.0	-4.8	-3.2	-1.9	-1.0	-0.1

Table 54 Agincourt VERTICAL INTENSITY (gammas) (Quiet Days) 1944																								
January	+2	+4	+3	+2	+2	0	+1	+1	-1	-1	-1	0	-2	-4	-7	-3	-1	0	+1	+1	+1	+2	+2	
February	+1	+2	+2	+2	+1	0	0	0	-1	-1	-1	-1	-1	-2	-4	-6	-5	0	+2	+4	+4	+3	+1	+1
March	+1	+2	+1	+2	+2	-2	-1	-3	-2	-1	-1	-1	-1	0	-1	-5	-4	-2	0	+2	+4	+4	+2	+2
April	+1	+1	+1	0	0	0	-1	-1	-2	-2	-1	-2	-2	-1	-2	-5	-4	-1	+2	+4	+4	+4	+4	+3
May	+3	+3	+2	+2	+2	+1	0	0	0	+1	+2	+1	0	-4	-5	-11	-12	-8	-2	+2	+5	+6	+6	+6
June	+6	+2	0	-1	0	-2	-4	-4	-1	+3	+5	+4	+3	-2	-5	-10	-9	-6	0	+3	+6	+7	+7	+7
July	+3	+1	+1	-1	-2	-2	-2	-1	0	+2	+3	+3	+1	-1	-2	-5	-5	-6	-6	-1	+4	+6	+7	+6
August	+2	+1	0	-1	-1	-2	-3	-2	-1	-1	0	+1	-2	-4	-5	-4	-4	0	+3	+5	+6	+5	+4	+4
September	+2	+1	+1	0	-7	-5	-3	-1	-1	-2	-2	-1	0	-1	-1	-2	-2	0	+3	+5	+5	+4	+3	+4
October	+2	+4	+3	+3	+2	0	-1	-2	-2	-3	-3	+1	+1	-1	-3	-8	-7	-3	0	+3	+4	+5	+4	+4
November	0	0	0	0	0	-1	-1	+1	+1	+1	0	0	0	-1	-3	-7	-6	-2	+2	+5	+5	+3	+2	+1
December	0	+1	+2	+2	+2	+1	+1	+1	0	-1	0	0	0	-1	-3	-6	-2	0	+1	+1	+1	+2	+1	0
Year	+1.9	+1.8	+1.3	+0.8	+0.1	-1.0	-1.2	-0.9	-0.7	-0.4	+0.2	+0.3	-0.1	-1.7	-2.9	-5.9	-5.4	-2.7	-0.1	+2.6	+3.8	+4.1	+3.6	+3.3
Winter	+0.8	+1.8	+1.8	+1.5	+1.2	0.0	+0.2	+0.8	+0.2	-0.5	-0.2	-0.5	-0.2	-1.5	-3.5	-6.5	-4.0	-0.8	+1.2	+2.8	+2.8	+2.2	+1.5	+1.0
Equinox	+1.5	+2.0	+1.5	+1.2	-0.8	-1.8	-1.5	-1.8	-1.8	-2.0	-1.8	-0.8	-0.5	-0.8	-1.8	-5.0	-4.2	-1.5	+1.2	+3.5	+4.2	+4.2	+3.2	+3.2
Summer	+3.5	+1.8	+0.8	-0.2	+0.2	-1.2	-2.2	-1.8	-0.5	+1.2	+2.5	+2.2	+0.5	-2.8	-3.5	-6.2	-7.8	-5.8	-2.8	+1.5	+4.5	+5.8	+6.0	+5.8

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

Hour Month Season	HORIZONTAL INTENSITY (gammas) (Disturbed Days)																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 55 Agincourt																								
January	-5	+4	+4	-4	+12	+9	+8	+4	+8	+16	+22	+16	+6	+6	-7	-19	-25	-38	-16	-5	0	+6	-3	0
February	+12	+14	+4	+6	-2	-8	-20	-20	-16	-20	+3	+16	+6	-4	-1	-4	-6	-8	+2	+6	+5	+2	+4	+17
March	+11	+3	-4	+19	+3	-6	-44	-52	-15	-19	-10	-1	+1	+9	-7	-23	-5	0	+7	+22	+30	+33	+28	+20
April	+29	+28	+18	+22	+26	+24	-11	-66	-82	-95	-68	-35	+14	+10	+2	-9	-5	+4	+10	+25	+48	+47	+30	
May	-5	0	+3	+4	+1	+2	+6	0	+3	0	-6	-18	-7	-22	-28	-24	-12	+5	+10	+17	+23	+16	+22	
June	-1	-1	+4	-8	-8	-5	-6	+1	-1	-4	0	-3	-11	-18	-20	-29	-15	+2	+22	+29	+30	+21	+13	
July	+6	+2	+5	+4	-2	0	+5	+2	+1	-11	-5	-5	-8	-12	-15	-22	-17	-6	+4	+10	+18	+19	+15	
August	+8	+1	-16	-10	0	-10	-44	-22	-23	-10	-6	+1	-1	-5	-12	-11	-10	+2	+19	+32	+38	+30	+28	
September	+2	+2	-4	-3	0	-5	+1	0	-2	+6	+9	+5	+2	-10	-23	-25	-11	-6	+5	+6	+13	+15	+6	
October	+2	+6	-5	-13	-2	+2	+9	+8	+8	+6	+11	+4	+5	-2	-9	-14	-10	-2	0	+6	+6	-1	-10	
November	+4	+6	-1	-12	-8	-10	-4	-1	+1	+5	+12	+13	+4	+2	-2	-15	-19	-10	+1	+6	+13	+7	+4	
December	+7	+5	0	+6	+3	+9	+8	+10	+16	+27	+33	+24	+22	-10	-99	-52	-30	-4	-5	+4	+7	+10	+7	
Year	+5.8	+5.8	+0.7	+1.1	+1.9	+0.2	-7.7	-11.3	-8.5	-8.8	-0.9	+1.9	+3.6	-4.7	-18.4	-20.6	-13.8	-5.1	+5.6	+13.2	+18.2	+17.2	+14.2	
Winter	+4.5	+7.0	+1.8	0.0	+1.2	0.0	-2.0	-1.8	+2.2	+4.9	+6.0	+18.8	+12.0	-2.0	-27.2	-22.5	-20.0	-15.0	-4.5	+2.8	+6.2	+6.2	+5.5	
Equinox	+11.0	+9.8	+1.2	+6.2	+6.8	+4.2	-11.2	-27.5	-22.8	-25.0	-14.5	-6.8	+5.5	+1.8	-9.2	-17.8	-7.8	-1.0	+7.5	+14.8	+21.0	+23.8	+17.5	
Summer	+2.0	+0.5	-1.0	-2.5	-2.2	-3.2	-9.8	-4.8	-5.0	-6.2	-4.2	-6.2	-6.8	-14.2	-18.8	-21.5	-13.5	+0.8	+13.8	+22.0	+27.2	+21.5	+19.5	

Hour Month Season	DECLINATION (minutes) (Disturbed Days)																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 56 Agincourt																								
January	+6.0	+9.0	+7.9	+5.6	+0.4	-1.3	-2.6	-2.6	-4.6	-4.4	-1.1	+0.9	+1.3	+2.8	-0.8	-2.9	-5.9	-4.7	-4.3	-1.9	-0.3	+3.4	+3.0	
February	+4.3	+6.5	+4.0	+0.8	+5.9	+4.7	+2.1	+1.1	+0.3	-4.1	-3.5	0.0	-5.2	-8.2	-3.5	-1.7	-1.9	-3.5	-2.3	-2.9	-0.5	+3.9	+2.5	
March	+7.0	+5.2	+11.9	+7.4	+1.7	+6.3	-6.9	-10.3	-2.8	0.0	-0.6	+0.2	-0.5	+2.4	-0.3	-2.9	-3.6	-4.3	-3.9	-3.6	-2.6	-1.7	-0.5	
April	+4.0	+3.6	+8.5	+7.9	+3.8	+0.2	-1.1	+4.0	-2.2	-8.8	-7.0	-7.2	+4.4	+4.4	+4.6	-0.3	-3.2	-6.0	-5.5	-5.6	-3.2	-0.9	+1.6	
May	+5.0	+4.5	+1.9	+1.7	+2.2	-0.1	+3.3	+2.6	+2.7	+3.3	+1.3	-1.8	-1.6	-0.9	-1.4	-2.8	-6.7	-4.3	-5.3	-4.9	-2.8	-0.4	+1.2	
June	+0.9	0.0	+3.9	+5.3	+6.9	+3.6	-0.2	-3.7	+8.1	-1.5	+2.9	+7.8	+8.4	+6.8	+3.2	-3.3	-6.8	-8.5	-7.2	-6.4	-5.9	-3.8	-1.2	
July	-1.3	+0.8	+1.7	+1.7	+1.5	+2.6	-2.3	+0.9	-0.4	+0.7	+2.8	+6.5	+7.1	+6.7	+4.4	-1.3	-4.2	-6.1	-6.4	-5.5	-3.9	-2.3	-1.6	
August	+1.6	+3.6	+12.9	+2.0	+1.7	+2.3	-2.5	+1.7	-0.7	+1.0	+6.9	+6.9	+6.6	+3.4	+0.2	-3.8	-6.9	-9.4	-6.3	-6.3	-5.5	-3.6	-2.3	
September	+4.6	+5.2	+10.8	+5.0	+4.0	-1.6	-1.8	+2.1	-3.3	+1.5	+3.0	+1.9	+3.7	+2.8	+0.3	-3.4	-5.3	-6.4	-7.2	-7.1	-5.4	-3.1	-0.6	
October	+4.9	+5.5	+3.0	+8.4	+1.5	-0.1	-3.6	-0.8	+1.5	-0.6	-0.7	+0.4	+3.1	+4.7	+1.6	-2.1	-5.2	-6.2	-6.0	-5.4	-4.9	-1.6	+1.5	
November	+2.2	+2.7	+3.3	+8.1	+2.8	+2.6	+0.7	-4.1	-2.5	+2.5	+2.0	+3.1	+0.5	-1.2	-0.9	-9.4	-2.7	-5.8	-6.1	-5.0	-2.9	-0.2	+1.0	
December	+4.9	+6.0	+6.2	+3.6	+2.2	-1.2	+3.2	+1.1	+3.9	+3.7	-2.9	-1.9	-2.8	+0.7	-0.6	-1.8	-6.0	-5.7	-5.8	-3.9	-3.2	-0.7	+0.7	
Year	+3.7	+4.4	+6.3	+4.8	+2.6	+1.4	-1.0	-0.7	-0.8	-0.6	0.0	+1.2	+2.0	+1.9	+0.8	-2.0	-4.6	-6.0	-5.7	-5.1	-3.6	-1.2	+0.4	
Winter	+4.4	+6.0	+5.4	+4.5	+2.0	+1.2	+0.4	-1.1	-0.2	-0.6	-2.2	0.0	-1.6	-1.8	-0.6	-1.2	-3.4	-5.2	-4.7	-4.0	-2.1	+0.7	+1.7	
Equinox	+4.0	+4.9	+8.6	+7.2	+2.8	+1.0	-3.4	-1.2	-1.7	-2.0	-1.3	-1.2	+2.7	+3.8	+1.4	-3.2	-4.3	-5.7	-5.6	-5.4	-4.0	-1.8	+0.5	
Summer	+1.6	+2.2	+5.1	+2.7	+3.1	+2.1	-0.4	+0.4	-0.4	+0.9	+3.5	+4.6	+5.1	+4.0	+1.6	-2.8	-6.2	-7.1	-6.8	-5.8	-4.5	-2.5	-1.0	

Hour Month Season	VERTICAL INTENSITY (gammas) (Disturbed Days)																							
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
Table 57 Agincourt																								
January	+18	+10	+4	-2	-19	-14	-26	-23	-22	-25	-26	-16	-7	-5	-3	-5	+3	+15	+24	+22	+23	+23	+21	
February	+20	+19	+14	+3	-12	-19	-47	-40	-34	-38	-28	-11	-8	-2	0	+6	+12	+17	+21	+23	+30	+31	+22	
March	+63	+45	-5	-44	-44	-26	-61	-82	-72	-42	-26	-10	+1	+6	+13	+19	+24	+24	+30	+32	+33	+39	+39	
April	+43	+46	+35	+29	+22	+2	-48	-106	-122	-112	-105	-56	+1	+10	+16	+18	+28	+34	+42	+44	+43	+43	+47	
May	+26	+15	+11	+8	-4	-31	-20	-13	-8	-10	-21	-28	-24	-19	-14	-7	-4	+4	+12	+16	+25	+29	+28	
June	+21	+20	+10	+3	-9	-11	-18	-45	-30	-24	-6	+2	0	-2	0	-1	-3	-1	+3	+6	+15	+19	+24	
July	+11	+10	+7	+4	-4	-8	-15	-14	-20	-19	-9	-4	-4	-2	-2	-2	+1	+2	+2	+6	+12	+16	+15	
August	+24	+22	-8	-22	-6	-14	-41	-47	-57	-32	-13	-6	+1	+3	+5	+4	+8	+13	+15	+18	+24	+34	+36	
September	+24	+6	+6	-4	-3	-21	-36	-27	-23	-21	-8	-10	-10	-7	-2	0	+4	+5	+12	+20	+23	+21	+23	
October	+38	+35	+6	-38	-17	-8	-13	-14	-10	-16	-20	-21	-11	-13	-15	-17	-9	-3	+2	+7	+14	+23	+40	
November	+14	+11	+8	+4	-6	-11	-17	-29	-30	-12	-3	-4	-3	-4	-4	-3	+1	+6	+10	+10	+10	+19	+18	
December	+18	+11	+11	+4	-8	-25	-15	-16	-13	-14	-15	-28	-26	-14	-6	0	+15	+23	+9	+15	+18	+17	+19	
Year	+26.7	+20.8	+8.2	-4.6	-9.2	-15.5	-29.8	-38.0	-36.8	-30.4	-23.3	-16.0	-7.5	-3.9	-1.0	+1.0	+6.7	+11.6	+15.2	+18.4	+22.5	+26.2	+27.8	
Winter	+17.5	+12.8	+9.2	-2.5	-11.2	-17.2	-26.2	-27.0	-24.8	-22.2	-18.0	-14.8	-11.0	-6.2	-3.2	-0.5	+7.8	+15.2	+16.0	+17.5	+20.2	+22.5	+20.0	
Equinox	+42.0	+33.0	+10.5	-14.2	-10.5	-13.2	-39.5	-57.2	-56.8	-47.8	-39.8	-24.2	-4.8	-0.5	+3.0	+5.0	+11.8	+15.0	+21.5	+25.8	+28.2	+31.5	+37.5	
Summer	+20.5	+16.8	+5.0	-1.8	-5.8	-16.0	-23.5	-29.8	-28.8	-21.2	-12.2	-9.0	-6.8	-5.0	-2.8	-1.5	+0.5	+4.5	+8.0	+12.0	+19.0	+24.5	+25.8	