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RECORD OF OBSERVATIONS AT
AGINCOURT MAGNETIC OBSERVATORY
1962

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AGINCOURT MAGNETIC OBSERVATORY, 1962

Geographic Latitude 43° 47'N

Geomagnetic Latitude 55.0°N

Geographic Longitude 79° 16'W

Geomagnetic Longitude 347.0°E

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Introduction

Agincourt magnetic observatory was built in 1898 (1) some 13 miles northeast of the old Toronto observatory, where observations had been made continuously since 1840. It is believed that increasing industrial development will soon make it necessary to move the observatory again. While there is evidence of artificial disturbance in the magnetograms, it is unlikely that any of the values reported in this publication are significantly affected.

Absolute Instruments

Elliott magnetometer no. 48 (2) continued to be used as the standard for declination during 1962. The Agincourt Schuster-Smith electrical magnetometer (2) (3) and Quartz Horizontal Magnetometer (4) no. 258 were standards for horizontal intensity. A second QHM, no. 391, was added in December. For inclination, the earth inductor Toepfer no. 89 (2) was used until August 5, when it was replaced by earth inductor no. 1911. A proton precession magnetometer (5) (6) was used to determine total intensity.

The International Magnetic Standard corrections adopted for these instruments are as follows:

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

for H, I.M.S. = QHM 258 $+3.7\gamma$ (0.00024H)

for H, I.M.S. = QHM 391 $+0.0\gamma$

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

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

for I, I.M.S. = Earth Inductor 1911 $-0.25'$

for F, I.M.S. = Proton Precession Magnetometer
 $+0.0\gamma$ (4257.60 cps per oersted)

Variometers

The photographic three-component, normal sensitivity sets, la Cour and Ruska, were used for continuous recording.

An electrical recording magnetometer, Type T613, Dominion Observatory design (7) operating continuously, provided a visible record of the variations in H, D, and Z. It was used as a low-sensitivity set in the event of severe magnetic storms, and for determining at once the state of the magnetic field, quiet or disturbed.

The scale values of these variometers during 1962 were:

	H	D	Z
la Cour	5.1 γ	0.9'	6.1 γ
Ruska	2.1 γ	1.1'	5.3 γ
Electrical recording magnetometer, T613	9.2 γ	2.0'	8.7 γ

Absolute Observations and Base-line Values

Absolute observations were made at least once a week. Base-line values were adopted by using French curves and getting the best fit to the observed values. The r.m.s. difference of the observed minus the adopted base-line values were 1.0' in declination, 3 gammas in the horizontal component, and 2 gammas in the vertical component.

Notes on the Tables

Greenwich mean time (U.T.) is used throughout.

Table 46 lists the three-hour range indices in D, H, and Z, as well as the K-indices which are sent regularly to the International Association of Geomagnetism and Aeronomy for publication. The magnetograms were also read each month for sudden commencements, bays, and pulsations, and the results sent to the IAGA.

Annual Means

Year	D West	H	Z	I North	F
1939	7 34.0	15292	56522	74 51.7	58554
1940	32.3	281	503	52.0	533
1941	32.4	288	482	51.3	514
1942	31.4	303	460	50.1	497
1943	30.8	309	459	49.7	498
1944	30.1	313	406	48.7	454
1945	27.7	322	392	48.0	436
1946	25.5	311	361	48.1	404
1947	22.3	338	370	46.7	419
1948	22.5	355	302	44.7	358
1949	20.9	360	237	43.4	297
1950	22.0	399	236	41.2	306
1951	17.2	419	233	40.0	309
1952	15.7	444	214	38.3	297
1953	15.2	487	219	35.9	313
1954	16.0	522	209	33.8	313
1955	16.4	561	194	31.3	308
1956	16.8	601	218	29.4	343
1957	19.1	642	203	26.8	339
1958	19.7	686	196	24.2	344
1959	18.8	739	207	21.2	369
1960	19.7	797	205	18.1	383
1961	19.7	864	177	13.8	374
1962	20.6	929	147	09.7	363

References

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- (3) SMITH, F. E., *Phil. Trans. Roy. Soc.* vol. 223, pp. 175-200, 1922.
- (4) LA COUR, D. and E. SUCKSDORFF, *Le quartz-magnétomètre QHM*, Commun. Magnét. no. 15, 22 pp.; no. 16, 11 pp. Danish Meteorol. Inst. Copenhagen, 1936.
- (5) SERSON, PAUL H., *A Simple Proton Precession Magnetometer*, 13 pp. Report. Dominion Observatory, Ottawa, 1962.
- (6) Resolution No. 66, *Comptes Rendus de la XII^e Assemblée Générale de l'U.G.G.I.*, Helsinki, 1960.
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HORIZONTAL INTENSITY

Mean values for periods of sixty minutes, Universal Time

Table 1 Agincourt

H = 15,000 γ +

January 1962

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	886	887	883	886	885	886	891	890	894	895	896	896	896	893	884	871	863	866	876	887	900	902	896	889	888
2	880	881	876	874	878	887	885	890	880	881	887	900	896	893	890	877	866	866	874	886	890	897	892	895	884
3	892	890	892	894	891	890	891	892	895	895	899	900	897	897	890	881	875	875	880	890	899	903	900	895	892
4	895	895	895	895	899	901	902	903	903	902	899	901	900	899	897	890	880	877	877	885	894	901	901	899	896
5	897	896	895	895	891	891	895	895	896	900	901	905	905	905	896	896	885	880	883	890	901	907	910	907	897
6	905	904	900	894	894	899	900	900	903	904	905	905	900	905	903	894	886	884	889	893	901	905	906	905	900
7	904	904	903	904	905	907	909	910	910	913	911	911	913	910	906	903	890	887	888	894	896	900	898	896	903
8	896	891	889	889	886	889	893	896	903	904	905	906	908	907	901	894	883	886	895	900	905	906	905	901	897
9	900	900	894	898	896	897	900	903	904	904	904	903	903	903	894	886	876	864	878	887	889	894	896	892	894
10	888	882	888	888	776	888	877	878	883	891	858	884	859	889	800	830	843	852	838	836	853	868	854	853	861
11	859	849	852	858	857	852	862	864	866	869	875	878	878	874	869	855	848	844	848	862	876	880	878	872	863
12	873	870	868	873	877	873	873	873	875	879	882	880	880	874	865	851	848	852	857	869	881	885	883	880	872
13	882	879	882	879	880	887	885	882	882	888	892	889	887	883	876	864	858	863	872	854	889	896	896	897	881
14	895	898	898	893	892	892	891	888	888	887	889	893	899	895	888	861	858	886	894	896	896	896	881	888	889
15	884	882	876	883	887	888	887	885	884	892	892	893	892	892	887	878	877	884	890	888	897	900	895	899	888
16	902	900	894	898	893	893	898	897	892	897	897	891	893	894	898	881	875	878	886	891	888	886	888	888	892
17	892	889	890	893	885	888	887	888	888	888	890	890	888	887	887	873	864	868	876	878	882	892	893	893	886
18	896	895	894	891	890	889	893	893	893	894	894	892	893	889	882	869	860	869	883	889	895	900	900	900	889
19	899	904	900	901	900	894	884	874	879	891	896	900	899	882	866	851	847	850	864	880	883	887	884	882	883
20	885	885	884	883	883	884	888	890	891	895	894	894	892	891	885	876	872	879	888	890	897	900	900	897	888
21	895	894	895	889	888	892	895	893	893	892	897	899	895	889	900	895	885	886	890	889	892	891	893	897	893
22	899	895	895	894	895	897	900	901	901	901	902	903	902	899	892	881	878	880	886	894	904	906	907	906	897
23	907	905	902	899	900	900	900	900	902	902	902	902	901	895	884	872	868	874	881	886	893	902	902	902	895
24	901	901	900	897	897	900	900	900	901	903	902	900	897	892	882	870	864	870	882	892	903	908	907	906	895
25	905	905	903	903	902	903	904	906	903	903	908	912	908	900	891	877	876	882	897	907	915	923	922	918	903
26	918	912	906	906	907	908	909	912	908	911	908	912	912	904	892	873	876	878	877	890	904	915	908	908	902
27	903	900	907	908	903	903	897	900	899	892	899	913	908	905	894	882	874	878	884	897	900	896	897	903	898
28	903	904	903	902	899	897	897	901	902	903	907	907	906	902	891	877	867	872	879	889	897	901	901	897	896
29	896	897	895	892	892	894	896	897	901	902	902	903	904	903	899	891	878	872	877	885	892	902	902	892	894
30	882	892	892	883	887	892	892	904	902	899	902	899	901	897	887	877	872	876	882	892	896	899	897	899	892
31	897	897	897	899	897	897	898	898	901	902	901	897	899	894	885	876	867	862	871	882	892	899	897	899	892
Mean	894	893	892	892	887	892	893	894	894	896	897	899	897	895	886	876	870	872	879	885	894	898	896	895	890

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7° W + ...'

January 1962

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	19.2	18.6	18.5	12.1	16.8	19.0	19.9	19.6	20.0	20.1	19.8	19.9	19.2	17.6	15.9	16.8	20.2	22.8	24.1	23.4	22.1	20.6	19.4	19.9	19.4
2	18.1	18.7	17.6	15.4	17.6	18.6	19.1	20.5	21.4	25.0	23.7	19.0	19.8	18.1	16.9	17.6	21.1	24.4	25.2	23.8	22.2	20.7	20.2	19.5	20.2
3	19.3	19.0	18.8	19.1	19.5	19.4	19.6	19.9	19.9	19.8	19.9	19.6	19.4	18.9	17.9	17.6	19.5	22.0	24.2	24.2	22.3	21.0	20.4	19.9	20.1
4 Q	19.5	18.8	18.8	18.8	19.2	20.0	20.0	20.2	20.2	19.9	19.7	20.0	18.8	16.8	16.3	18.2	19.9	22.3	23.3	22.5	21.2	19.9	19.6	19.1	19.7
5 Q	18.9	18.8	18.8	18.9	19.0	19.0	19.5	19.6	19.6	19.8	19.9	19.6	19.3	17.1	15.1	14.9	16.8	20.4	23.0	23.3	22.2	20.1	19.3	18.7	19.2
6	18.1	17.8	18.2	17.3	18.1	18.9	19.4	19.1	19.0	18.9	18.9	18.3	17.6	17.5	15.9	15.9	18.2	21.0	23.2	22.1	20.3	19.6	18.8	18.4	18.8
7	18.1	18.0	18.1	18.0	18.2	18.8	18.9	19.3	19.2	18.9	18.8	18.1	18.8	17.7	16.4	16.8	19.7	22.0	22.6	23.5	23.5	23.4	22.3	20.1	19.6
8	18.9	18.3	17.2	17.8	18.6	19.2	19.7	20.3	19.9	19.4	20.0	18.8	17.5	15.7	15.7	16.9	20.4	23.5	23.5	22.4	21.6	20.6	19.7	18.9	19.4
9	18.3	18.0	17.6	17.2	18.3	19.5	19.9	20.6	20.0	19.1	18.9	19.0	21.3	17.7	16.7	19.5	20.8	23.5	24.2	26.1	26.2	23.8	20.6	19.3	20.3
10 D	17.9	17.7	15.5	12.6	40.9	12.9	20.6	18.9	18.9	16.7	22.5	44.2	46.5	41.4	34.9	28.8	27.4	26.0	28.5	31.5	28.1	26.5	23.5	17.2	25.8
11 D	12.7	17.1	13.4	13.1	15.5	19.8	24.1	20.8	22.2	22.5	21.4	20.8	20.5	20.2	18.7	17.3	20.5	22.6	24.5	25.2	23.9	22.2	20.5	19.9	20.0
12	18.8	18.8	18.0	18.3	20.2	21.0	21.2	21.2	22.5	20.2	20.2	20.2	19.2	17.3	15.9	16.9	19.5	22.7	25.2	25.5	23.6	21.2	20.2	19.4	20.3
13	18.1	18.6	17.8	18.4	19.5	21.3	22.2	21.0	21.8	20.1	19.7	19.7	19.2	16.7	16.7	19.6	21.5	23.3	24.5	24.7	23.7	21.7	20.6	19.7	20.4
14	18.9	18.3	18.1	18.4	19.3	19.9	19.8	20.0	19.9	17.7	18.7	18.0	18.4	16.3	13.5	16.9	24.5	28.8	28.0	27.2	26.3	28.3	27.2	23.5	21.0
15	18.4	17.7	16.7	18.6	20.1	20.3	20.4	21.3	21.3	21.9	22.4	21.0	19.6	18.3	17.6	19.3	20.3	21.9	23.6	23.6	22.6	21.6	18.3	19.4	20.2
16 D	20.0	19.7	16.5	19.2	19.5	19.7	20.3	18.3	18.5	18.2	18.6	20.6	26.9	18.7	18.3	19.4	21.7	23.2	21.5	22.9	23.9	23.9	21.6	18.6	20.5
17	19.6	19.3	18.8	20.6	21.8	19.6	20.1	20.3	19.5	19.7	19.9	19.5	19.7	17.2	15.5	16.6	19.5	22.4	24.0	24.4	23.9	21.9	20.6	20.3	20.2
18	19.7	19.7	19.4	19.4	19.7	19.7	20.0	20.3	19.8	19.5	19.5	20.3	19.7	17.2	15.6	17.1	20.8	22.9	24.1	23.5	23.1	21.6	20.3	19.3	20.1
19 D	18.4	18.3	17.5	18.7	18.5	18.5	17.0	17.6	17.6	19.5	20.2	20.8	19.4	20.4	21.9	20.4	25.0	28.9	27.7	26.2	24.8	21.6	20.0	19.5	20.8
20	18.9	18.6	19.1	19.1	20.8	21.6	21.2	20.8	21.5	21.1	20.1	19.9	19.9	18.6	18.4	19.6	21.3	23.2	24.3	23.7	22.3	21.4	20.3	20.0	20.7
21	19.8	18.6	17.5	19.4	19.8	20.9	21.4	21.5	21.7	19.7	18.5	18.6	19.7	21.1	16.4	18.6	20.8	22.4	22.6	22.5	22.0	22.9	21.6	20.5	20.4
22 Q	19.9	20.1	19.8	20.5	20.5	21.0	21.1	20.6	20.9	20.3	20.6	20.6	19.9	18.5	17.8	19.6	21.5	24.0	25.5	25.2	23.0	21.0	20.3	19.9	20.9
23 Q	19.7	19.7	19.8	20.2	20.7	20.8	21.2	20.8	20.4	19.9	19.9	19.9	19.7	19.0	19.0	19.8	22.4	24.5	25.0	21.8	23.1	21.5	20.6	19.9	20.9
24 Q	19.8	19.4	19.8	20.0	20.2	20.4	20.7	20.5	20.3	20.2	20.0	19.8	19.3	17.9	17.1	19.6	22.1	24.4	25.8	25.3	24.1	22.2	21.0	20.1	20.8
25	19.6	18.9	18.9	19.2	19.9	19.9	19.9	20.4	19.7	18.9	18.1	19.8	18.7	16.1	16.8	20.3	22.2	23.6	24.4	23.9	22.3	21.0	19.9	19.9	20.1
26	19.3	19.0	19.2	19.9	20.9	21.1	21.5	21.0	21.2	19.6	20.5	21.0	19.9	15.9	16.0	21.4	24.2	24.9	26.2	26.2	23.9	20.8	19.9	19.6	21.0
27 D	19.4	19.3	19.2	19.2	19.7	16.1	20.5	22.0	22.3	17.4	23.0	19.0	19.2	17.3	17.3	18.5	21.8	24.0	24.7	23.6	23.3	22.3	21.4	20.8	20.5
28	19.9	19.4	19.4	20.1	19.9	20.5	21.5	21.1	21.1	22.3	20.8	20.0	19.6	18.2	17.1	17.9	20.8	23.0	24.9	25.2	24.3	22.7	21.5	20.8	20.9
29	20.8	20.6	20.2	20.3	19.1	20.2	20.5	21.1	21.4	20.8	20.0	19.8	19.4	24.0	22.6	20.3	19.4	21.5	23.5	24.3	24.2	23.3	21.8	21.1	21.3
30	21.0	20.4	20.1	18.9	17.9	20.9	21.0	25.8	21.8	20.6	20.3	21.5	21.9	19.5	18.1	18.8	18.9	22.0	24.4	25.3	24.1	22.7	21.9	20.6	21.2
31	20.0	19.9	19.7	20.0	20.3	20.7	20.9	21.0	20.9	20.9	20.4	20.1	19.4	17.8	16.3	17.4	20.5	23.2	25.2	25.4	23.8	22.4	21.4	20.8	20.8
Mean	19.0	18.9	18.3	18.3	20.0	19.6	20.4	20.5	20.5	20.0	20.2	20.6	20.6	18.9	17.7	18.6	21.1	23.4	24.6	24.5	23.4	22.1	20.8	19.8	20.5

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

Table 3 Agincourt

$z = 56,000 \gamma +$

January 1962

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	166	163	163	153	156	161	161	161	161	161	161	161	162	160	159	155	153	159	163	167	167	165	163	161	161
2	162	163	162	162	160	158	152	137	132	140	141	152	158	160	154	149	151	160	166	170	170	166	165	162	156
3	162	162	162	160	159	159	159	160	160	160	160	160	160	160	159	158	155	158	164	166	169	167	164	164	161
4 Q	162	162	161	161	160	159	159	159	159	158	158	158	157	156	151	147	147	149	154	159	161	162	160	159	157
5 Q	159	159	159	159	158	157	158	158	159	159	159	159	159	159	157	154	154	157	163	165	166	165	164	161	159
6	158	158	157	158	158	158	156	157	158	156	157	155	156	156	155	150	146	152	158	160	161	160	157	157	156
7	155	152	155	155	152	152	152	153	154	154	153	152	152	152	150	146	155	152	159	163	163	163	162	158	155
8	158	159	160	162	161	157	157	157	157	157	156	155	156	152	151	146	146	152	155	156	157	157	156	155	155
9	157	156	155	151	151	152	152	151	151	151	151	152	152	151	148	145	145	148	154	157	157	160	159	157	152
10 D	156	156	156	144	-51	150	156	162	157	150	120	72	64	87	109	150	173	173	174	192	198	186	198	193	143
11 D	174	181	173	162	161	157	152	152	158	162	162	167	167	165	165	162	162	168	175	176	175	176	173	170	166
12	170	169	167	165	161	163	163	163	162	162	163	165	168	169	167	166	167	167	168	172	175	171	168	167	167
13	166	165	162	162	161	155	152	158	162	160	161	162	163	166	160	158	161	163	166	167	167	163	162	162	162
14	161	161	158	156	156	156	156	156	156	155	156	157	161	159	154	148	155	157	161	164	167	159	184	188	160
15	174	168	162	162	151	151	156	154	154	151	150	153	159	166	155	155	160	162	165	165	163	164	167	164	160
16 D	162	161	160	161	162	157	148	147	154	156	153	151	151	154	147	145	148	153	158	159	160	164	163	167	156
17	162	162	159	156	156	158	159	158	157	157	157	157	159	159	158	153	153	157	157	160	162	162	160	159	158
18	159	159	157	157	157	157	157	157	157	157	157	157	160	160	155	152	154	160	163	162	160	158	158	157	158
19 D	157	156	156	157	157	155	151	152	153	157	157	156	159	155	156	150	159	163	177	171	168	164	163	164	159
20	164	164	162	162	160	161	163	161	163	160	160	160	163	163	162	161	165	169	168	165	161	160	161	160	162
21	160	159	158	156	156	155	155	156	147	150	152	153	155	158	153	146	151	155	158	163	163	158	158	161	156
22 Q	160	159	159	160	159	159	156	154	158	159	158	159	160	159	158	159	164	169	166	162	162	159	159	158	160
23 Q	157	157	156	154	154	154	153	154	154	153	154	153	154	153	151	152	154	154	158	160	159	157	156	157	155
24 Q	155	155	155	155	155	155	154	154	154	154	154	154	154	153	148	145	146	152	156	160	159	155	155	154	154
25	154	154	154	153	154	152	152	154	152	152	152	152	153	153	148	153	150	147	148	152	154	153	153	154	152
26	155	155	155	155	155	154	155	152	154	153	153	150	151	148	152	149	149	155	160	163	164	162	159	157	155
27 D	156	159	156	156	152	141	148	144	149	144	144	146	153	156	155	155	161	165	166	160	164	163	161	161	155
28	159	157	156	155	155	155	154	155	155	155	153	155	156	156	155	155	158	161	163	163	164	163	159	155	157
29	155	155	155	154	150	155	155	153	153	150	153	154	154	154	150	148	148	149	150	155	157	155	155	153	153
30	156	154	156	156	154	153	150	144	143	153	153	153	151	154	153	154	151	155	155	160	163	160	157	156	154
31	156	156	156	156	155	154	153	153	154	154	153	153	154	154	149	145	149	151	156	161	162	158	156	154	154
Mean	160	160	159	157	150	155	155	154	155	155	154	153	154	155	153	152	155	158	161	164	164	162	162	161	157

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

Table 4 Agincourt

H = 15,000 γ +

February 1962

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	896	897	895	895	892	896	899	902	902	904	902	903	905	905	896	886	880	878	883	886	895	894	903	905	896	
2	902	886	884	889	889	890	890	891	895	895	894	894	891	888	883	877	878	881	884	887	892	897	900	895	890	
3	894	891	891	888	889	889	894	891	894	894	897	899	900	894	888	879	879	883	890	890	900	906	910	909	893	
4 D	910	906	908	905	905	906	905	910	911	923	935	934	915	894	892	865	868	878	880	880	892	883	884	894	899	
5	893	898	886	870	879	883	887	889	891	894	894	894	893	886	884	881	884	889	898	902	906	910	907	892		
6	903	899	893	889	889	893	893	895	897	896	893	895	895	891	884	874	868	872	881	888	893	904	903	891	891	
7 D	878	858	873	883	888	900	904	887	877	876	893	899	893	885	873	846	848	853	863	878	883	888	888	888	879	
8 Q	888	888	887	885	888	889	888	892	890	893	893	892	892	886	877	868	869	875	885	893	900	902	900	899	888	
9	899	892	888	895	899	899	899	902	897	895	893	897	891	880	873	868	858	869	880	893	899	904	903	900	891	
10 Q	893	898	899	898	897	899	898	895	896	897	897	896	892	883	868	860	861	866	873	883	891	899	899	899	889	
11	898	893	884	883	888	893	893	893	897	898	903	897	893	895	892	878	877	882	887	877	883	878	884	884	889	
12 D	900	861	854	871	874	871	869	869	874	877	877	880	879	872	868	859	855	859	855	858	860	878	886	884	870	
13	888	892	886	887	897	890	893	891	889	889	886	884	894	888	871	860	863	873	872	882	889	897	880	885		
14	878	874	884	889	885	937	894	894	894	894	893	899	901	894	889	889	890	889	900	910	903	895	905	911	896	
15	907	907	902	904	896	895	901	904	904	905	905	906	910	912	907	902	898	887	897	906	916	921	922	921	906	
16 D	924	926	926	922	926	925	920	911	906	871	856	882	910	870	841	851	885	881	885	890	898	878	881	870	893	
17	871	861	870	874	878	876	887	881	872	889	895	898	891	886	882	876	880	886	896	898	901	901	899	896	885	
18	899	897	899	897	898	899	900	900	899	903	902	897	896	892	890	886	882	883	881	881	891	895	890	896	894	
19 Q	892	892	891	893	892	893	892	891	892	896	897	897	897	896	893	890	887	887	892	899	906	912	913	913	896	
20	913	914	913	914	914	913	913	911	912	907	909	912	910	904	897	889	888	894	903	909	914	914	914	918	908	
21	915	915	915	912	913	909	905	906	907	909	913	915	913	909	893	884	885	884	894	907	911	915	915	913	906	
22	913	911	927	921	908	899	905	906	915	913	914	914	915	919	908	895	899	894	897	904	914	918	919	919	910	
23	917	919	916	910	916	911	914	915	917	916	916	911	914	907	893	892	891	895	894	904	914	916	915	911	909	
24	911	914	912	911	914	910	906	910	911	910	909	911	912	902	889	887	885	879	866	879	883	902	906	909	901	
25	910	911	908	911	905	907	908	912	912	916	916	915	912	910	906	905	898	901	903	916	908	912	914	906	909	
26 D	897	900	903	903	908	906	907	910	913	917	921	921	927	929	927	919	900	890	886	886	891	912	913	909	908	
27	909	908	917	917	918	925	923	921	912	911	913	911	907	911	909	928	931	936	938	942	947	908	914	913	920	
28 Q	912	908	908	913	913	911	912	908	910	910	912	908	909	912	906	898	890	891	896	901	912	917	920	917	908	
29																										
30																										
31																										
Mean	900	897	897	897	898	901	900	900	900	900	901	902	902	897	889	882	881	883	888	893	899	902	904	902	896	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 5 Agincourt

D = 7° W + ...'

February 1962

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	20.5	20.1	20.3	20.0	20.2	20.4	20.9	20.9	20.6	20.2	20.2	19.9	19.2	17.7	16.5	16.6	18.3	21.1	22.7	24.4	23.6	22.1	20.9	20.0	20.3	
2	20.1	20.9	19.8	20.1	20.2	20.9	21.5	21.8	21.8	19.3	19.5	19.7	19.0	17.7	16.5	17.8	21.5	24.1	24.7	24.1	23.0	22.3	21.8	21.2	20.8	
3	20.5	20.1	19.9	19.6	20.2	20.9	21.2	21.2	20.9	19.2	18.6	18.3	17.6	16.8	16.3	19.1	21.5	23.5	24.4	24.5	22.9	21.6	21.2	20.1	20.4	
4 D	19.9	19.7	19.6	19.7	20.2	20.6	21.8	22.4	21.0	18.8	13.8	15.7	16.3	32.7	18.1	28.7	32.5	32.8	30.4	30.3	27.5	23.2	23.0	21.8	22.9	
5	20.1	20.0	21.0	21.8	21.1	21.8	21.6	21.3	21.2	21.0	21.2	20.9	20.2	18.8	18.1	19.8	21.5	22.2	23.9	23.6	23.2	22.0	21.1	20.9	21.2	
6	20.9	20.7	20.9	21.0	20.4	20.9	22.1	21.5	21.1	20.9	20.9	20.3	19.6	18.3	17.8	19.4	21.5	23.3	24.1	23.8	22.6	21.1	20.1	20.5	21.0	
7 D	20.3	14.8	14.3	18.3	18.8	18.9	23.0	21.7	23.6	31.1	21.6	19.1	17.8	17.7	17.6	22.2	25.2	27.6	25.2	24.6	24.2	22.6	21.1	20.6	21.3	
8 Q	19.9	19.7	19.7	20.0	20.0	20.8	21.3	21.6	21.2	20.6	19.7	19.4	18.7	16.3	16.3	19.9	22.6	24.1	24.9	24.8	23.5	21.5	20.8	20.2	20.8	
9	19.9	19.9	16.1	18.9	20.3	21.1	21.1	21.0	20.1	20.0	18.0	18.7	17.5	16.0	16.8	20.1	22.7	24.5	25.2	24.7	23.4	21.7	20.8	20.5	20.4	
10 Q	19.4	18.9	19.4	19.2	19.6	21.5	20.8	21.0	20.9	20.5	19.9	19.1	18.0	16.5	17.1	19.5	22.6	24.3	24.7	24.5	23.6	22.5	21.3	20.5	20.6	
11	20.1	20.2	18.7	17.9	19.1	20.4	20.6	21.0	21.0	19.9	18.6	18.5	19.1	16.2	14.6	16.6	22.3	22.3	24.2	27.1	28.6	32.5	32.8	29.3	21.7	
12 D	16.3	26.1	16.6	18.2	19.4	19.2	20.1	19.9	20.2	24.4	22.7	20.0	18.7	18.1	17.4	18.7	21.4	23.9	24.7	26.3	26.5	27.7	23.6	21.8	21.4	
13	21.1	19.8	18.5	16.5	16.5	19.2	21.1	20.9	19.9	20.3	20.0	24.4	20.6	17.0	16.1	18.8	22.6	23.2	24.4	25.0	25.1	24.5	23.2	23.2	20.9	
14	20.9	21.8	21.1	19.9	19.8	19.1	23.0	22.0	18.9	18.6	17.9	18.6	18.2	16.7	17.0	17.9	20.2	21.6	23.9	24.6	25.6	25.0	24.9	24.1	20.9	
15	21.2	20.5	20.0	18.1	21.0	18.1	20.2	20.4	19.6	20.0	20.7	19.9	19.9	18.8	18.6	18.4	19.6	21.1	20.0	22.2	20.4	21.0	21.0	20.7	20.1	
16 D	20.0	19.7	19.6	19.4	18.8	19.0	18.7	17.6	15.2	9.2	17.4	31.4	30.8	29.1	30.9	32.4	32.4	28.6	27.3	33.7	33.4	25.0	22.8	16.1	23.7	
17	17.7	17.6	18.1	18.9	18.7	19.3	19.6	19.0	18.1	21.6	15.8	16.4	18.1	18.2	18.5	21.7	21.9	22.3	22.5	22.0	22.1	21.9	21.6	21.0	19.7	
18	21.1	21.1	21.1	21.1	21.0	20.9	20.7	20.7	20.5	21.9	19.5	19.6	18.8	18.1	17.9	17.9	19.8	21.6	23.5	26.5	24.4	22.7	22.1	21.6	21.0	
19 Q	21.1	21.2	21.3	21.1	21.1	21.4	21.4	19.6	19.5	19.3	19.3	19.8	19.8	18.1	19.4	20.7	22.2	23.4	24.0	23.4	22.7	21.6	21.3	21.0	21.0	
20	20.9	20.7	20.7	20.7	21.0	20.9	20.4	21.6	18.5	17.0	16.6	17.6	16.8	18.5	17.9	19.6	21.8	23.2	23.4	22.9	21.9	21.0	21.0	20.6	20.2	
21	19.9	19.9	20.1	20.2	20.4	20.6	18.7	20.2	18.7	18.8	18.5	18.3	18.6	17.0	16.8	19.9	25.4	27.0	28.7	26.4	24.4	21.6	20.4	20.1	20.8	
22	19.9	19.7	19.0	19.8	18.3	13.3	19.3	21.7	20.1	17.5	15.2	18.4	19.4	14.7	14.0	21.9	23.4	24.1	24.6	24.6	23.5	21.9	20.9	20.4	19.8	
23	20.3	19.8	20.1	20.0	18.8	20.6	20.9	20.9	20.3	19.9	22.6	19.9	17.6	13.7	18.6	19.3	22.5	23.4	27.3	28.0	25.7	23.6	21.9	21.6	21.1	
24	21.0	20.0	19.9	20.6	19.1	19.9	19.8	20.8	24.0	21.2	17.7	17.7	19.0	17.4	17.8	22.0	23.2	24.0	27.0	27.9	26.8	24.5	22.9	21.0	21.5	
25	20.8	20.1	19.9	20.2	19.5	18.9	19.6	20.4	20.4	19.9	19.5	19.5	18.8	18.2	18.4	20.0	22.0	23.3	25.4	26.0	25.0	21.7	21.1	21.2	20.8	
26 D	22.9	20.9	19.8	19.8	17.7	18.0	20.3	20.8	20.6	19.5	17.4	16.5	13.9	11.9	11.7	14.9	19.9	23.8	27.0	32.0	28.2	22.8	20.7	21.0	20.1	
27	20.9	19.6	19.8	20.3	20.4	20.5	20.8	20.3	19.9	20.8	18.2	21.7	24.4	25.6	20.8	22.4	26.0	26.6	27.4	26.3	27.2	24.0	22.3	21.5	22.4	
28 Q	21.0	20.4	20.4	20.6	21.0	20.8	20.5	20.0	22.1	20.7	20.0	20.4	19.8	17.6	17.4	18.4	20.5	22.5	24.0	24.4	23.3	21.9	21.8	21.6	20.9	
29																										
30																										
31																										
Mean	20.3	20.1	19.5	19.7	19.7	19.9	20.8	20.8	20.4	20.1	19.0	19.6	19.2	18.3	17.7	20.2	22.8	24.0	25.0	25.7	24.7	23.0	22.0	21.2	21.0	

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

Table 6 Agincourt

z = 56,000 γ +

February 1962

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	153	153	153	151	152	151	154	153	154	151	151	151	151	153	151	146	142	139	141	148	151	151	151	150	150
2	149	150	153	151	151	150	150	150	145	144	147	149	149	150	148	143	143	145	150	154	152	154	151	152	149
3	151	154	151	153	153	151	149	148	150	150	150	150	150	154	148	148	149	153	154	156	156	156	154	154	152
4 D	154	154	153	151	150	150	150	148	150	151	148	143	143	142	126	125	137	143	150	160	156	157	160	163	148
5	161	160	162	168	164	162	160	160	160	160	160	160	160	159	159	158	156	157	162	161	157	157	156	156	160
6	156	154	156	155	156	155	153	155	155	156	153	156	156	151	150	141	143	146	150	153	156	154	153	151	153
7 D	156	160	156	153	145	123	123	137	142	117	137	145	146	145	141	139	149	153	158	156	156	156	156	156	146
8 Q	154	154	153	154	152	150	150	150	150	151	151	150	151	150	148	145	148	152	153	154	154	155	151	150	151
9	150	152	151	150	150	151	148	148	148	150	148	148	153	152	147	143	143	148	152	156	157	155	153	150	150
10 Q	151	151	151	150	148	145	145	148	150	149	148	148	150	150	145	144	145	149	151	156	155	151	150	148	149
11	148	149	150	150	149	150	150	149	148	145	145	142	145	146	139	136	137	143	143	146	157	174	185	196	151
12 D	221	227	209	187	161	157	153	142	137	150	150	154	157	154	148	149	151	153	156	160	168	168	169	167	164
13	162	160	162	154	145	153	153	151	151	149	144	142	144	146	140	140	148	151	151	151	156	158	157	162	151
14	166	169	162	144	161	156	150	143	150	150	148	151	153	150	150	149	150	153	151	156	159	164	162	157	154
15	155	153	155	155	149	159	156	155	153	152	151	149	149	139	142	142	144	145	152	149	149	149	149	147	150
16 D	147	147	145	145	144	143	143	145	138	92	58	25	76	111	124	138	157	167	179	197	208	183	178	188	141
17	177	179	176	172	161	161	161	149	116	117	130	148	156	155	151	156	154	154	153	156	157	159	157	159	155
18	159	156	155	155	155	155	155	155	154	156	155	153	153	155	152	148	148	150	155	159	159	161	156	156	155
19 Q	155	155	154	155	155	152	150	150	154	155	154	155	153	147	142	147	153	156	155	155	155	154	153	153	153
20	154	153	153	153	152	152	152	149	144	150	150	153	155	153	152	149	147	149	150	152	155	156	153	154	152
21	153	153	150	150	149	149	148	148	149	153	150	150	149	148	146	142	144	150	155	159	158	154	153	153	151
22	152	149	150	147	147	136	147	146	136	142	145	142	142	142	138	139	142	148	150	151	153	154	150	152	146
23	149	149	152	152	147	147	150	153	150	150	144	147	153	153	149	149	153	153	156	159	159	159	157	156	152
24	154	153	150	144	138	144	146	142	138	138	140	141	147	143	141	142	143	149	149	154	155	160	156	155	147
25	153	151	150	150	150	147	148	146	150	150	150	150	148	145	143	137	136	137	139	145	146	150	151	154	147
26 D	157	156	152	150	145	143	147	148	148	148	143	143	143	136	131	119	124	131	143	157	160	160	155	157	146
27	157	156	157	150	150	150	150	148	148	117	100	96	113	112	119	126	135	143	148	156	159	157	157	155	140
28 Q	155	154	153	154	151	151	150	144	148	150	150	147	149	148	149	145	143	146	150	151	152	154	151	150	150
29																									
30																									
31																									
Mean	157	158	156	154	151	150	150	149	147	144	143	142	146	146	144	142	145	149	152	156	158	158	157	157	150

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

Table 7 Agincourt

H = 15,000 γ +

March 1962

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	922	921	919	918	915	915	918	920	917	913	917	916	923	920	917	903	896	903	908	914	923	923	919	916	916	
2	912	902	904	907	904	909	904	903	902	902	901	900	901	902	906	896	891	897	893	901	910	916	911	913	904	
3	915	917	915	910	910	910	907	911	913	916	918	916	916	911	895	887	890	897	910	908	905	901	901	903	908	
4	903	896	902	908	904	906	907	907	909	910	908	910	907	901	900	893	896	906	917	921	923	918	915	911	907	
5 D	912	916	913	917	915	916	917	920	911	907	912	920	905	886	918	912	875	866	892	896	907	908	901	911	906	
6 D	908	912	912	896	907	890	898	899	907	903	919	917	895	913	901	882	887	890	896	896	907	910	909	908	903	
7	905	904	900	904	906	906	906	914	909	911	910	909	903	894	885	876	874	875	892	905	912	915	915	914	902	
8 Q	913	912	912	920	912	914	913	912	912	916	914	914	911	905	895	886	884	886	896	906	914	916	920	921	909	
9 Q	919	917	914	915	914	905	916	916	918	918	916	916	913	909	904	899	896	903	910	916	921	925	925	925	914	
10	924	919	905	909	910	905	909	915	918	909	909	905	905	892	902	897	892	888	898	909	914	925	915	912	908	
11	904	909	902	905	919	898	904	900	904	909	900	903	910	904	898	892	881	886	904	913	914	918	917	919	905	
12 D	913	904	908	911	912	912	912	913	912	916	915	906	912	899	891	942	891	904	909	908	907	902	917	916	910	
13	893	902	905	907	908	908	908	907	909	915	912	914	913	914	904	895	896	907	914	921	923	923	924	922	910	
14	917	918	918	917	918	917	918	915	918	915	919	918	912	912	908	907	907	907	910	913	920	927	931	929	916	
15	926	922	911	911	906	897	902	907	914	921	922	918	915	912	908	903	902	906	912	916	925	923	914	926	913	
16 Q	928	926	922	922	922	920	924	921	921	921	925	925	920	915	909	909	907	907	912	917	927	929	926	924	920	
17	925	922	921	920	921	920	924	924	921	920	916	911	910	905	896	896	898	907	913	916	919	912	903	904	914	
18	905	913	912	915	922	925	925	913	915	921	921	915	915	924	924	912	904	904	905	911	911	915	924	925	916	
19 D	925	914	914	920	921	914	913	925	922	924	920	917	905	944	903	913	903	894	888	890	900	904	916	915	913	
20	916	916	915	914	915	915	915	918	920	920	921	920	910	904	901	903	906	898	904	917	925	924	910	905	913	
21 D	903	910	911	913	915	906	925	911	908	916	918	919	914	900	880	869	869	889	897	921	924	928	914	915	907	
22	919	920	919	920	919	920	921	920	921	925	925	925	920	913	900	888	888	899	910	919	924	937	925	915	916	
23	922	922	922	924	924	924	925	925	925	924	924	919	921	913	898	878	871	881	893	907	920	920	928	929	914	
24	926	930	906	916	920	920	920	922	919	920	921	919	914	908	894	885	884	890	900	915	925	929	929	930	914	
25	935	929	910	908	902	909	924	909	909	909	919	919	922	915	901	886	881	883	895	911	919	920	924	924	911	
26	925	915	911	910	914	918	920	921	920	920	920	920	916	908	898	889	893	900	910	921	929	932	932	929	915	
27 Q	930	930	925	929	930	929	927	929	931	930	931	930	929	921	913	900	895	900	905	915	925	932	935	934	923	
28	933	931	931	931	932	932	935	935	936	938	938	937	933	926	920	904	896	901	909	920	924	920	920	925	925	
29	912	892	899	908	909	908	908	909	920	925	927	924	919	921	913	902	897	897	901	908	919	926	932	932	913	
30 Q	931	928	928	929	930	928	929	929	929	931	933	933	931	927	918	909	912	921	932	936	936	937	936	935	929	
31	934	934	935	934	934	934	934	931	931	932	930	927	921	912	908	905	916	916	923	931	938	940	941	935	928	
Mean	918	916	914	915	916	914	916	916	917	918	919	918	914	911	904	897	893	897	905	913	919	921	920	920	913	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 8 Agincourt

D = 7° W + ...'

March 1962

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	21.2	20.7	20.4	20.4	20.4	20.4	19.9	21.0	20.5	17.8	18.0	19.8	19.7	19.7	18.9	19.6	23.0	24.5	23.9	23.5	22.7	21.6	21.8	21.4	20.9
2	21.2	20.7	19.8	19.8	20.2	21.0	20.9	18.9	19.0	18.7	18.9	19.0	17.8	17.9	18.1	18.6	21.5	23.6	25.4	25.6	22.8	21.1	21.5	21.1	20.6
3	20.4	19.8	19.7	20.1	20.1	20.2	19.9	19.8	19.6	18.5	18.6	18.4	16.5	16.2	17.7	20.3	24.1	26.0	25.8	26.2	25.4	24.2	25.7	24.3	21.2
4	24.6	23.7	21.3	19.9	19.9	20.6	20.4	20.1	19.6	18.8	18.6	19.6	18.4	16.4	18.8	22.1	23.3	24.4	24.0	21.9	21.0	20.1	20.7	20.8	20.8
5 D	20.5	20.3	20.3	20.0	20.3	20.1	19.7	18.6	20.9	22.7	17.1	14.2	15.1	26.7	24.0	21.0	25.2	29.1	29.8	27.2	23.2	21.2	20.9	20.3	21.6
6 D	19.2	19.9	19.8	20.7	17.0	15.7	18.6	21.4	25.6	25.0	21.9	18.2	34.5	22.8	25.6	24.7	26.2	28.1	26.5	25.0	22.4	20.3	19.9	20.1	22.5
7	19.4	19.7	17.9	18.7	20.3	18.5	28.5	23.2	20.3	19.5	19.2	18.3	16.4	15.6	16.3	17.7	20.8	24.8	24.9	24.3	23.0	21.5	20.5	20.1	20.4
8 Q	19.8	19.8	19.8	19.3	20.1	19.0	19.3	20.1	21.1	18.8	18.4	18.1	16.8	15.7	15.5	16.9	20.1	22.8	23.7	24.1	23.3	22.0	21.0	20.2	19.8
9 Q	19.5	19.2	19.4	19.3	19.5	19.7	19.5	19.2	18.9	18.6	18.5	18.0	17.2	16.6	16.6	17.6	20.9	23.1	23.9	23.5	22.5	21.5	20.5	19.9	19.7
10	19.2	19.0	17.8	19.7	18.1	18.1	18.9	19.8	17.4	14.2	16.9	13.9	14.9	16.2	19.1	17.7	20.8	23.6	24.4	24.1	24.5	25.5	27.5	25.2	19.8
11	20.5	20.1	17.2	17.1	16.8	14.4	16.8	17.0	17.7	16.3	17.7	20.3	17.9	15.8	16.0	18.2	21.6	26.3	26.2	25.5	24.2	23.0	21.5	20.5	19.5
12 D	19.4	16.9	18.2	18.9	18.7	17.6	16.4	17.4	16.9	16.1	15.8	21.2	22.5	19.0	19.2	23.7	25.6	24.4	25.9	27.5	27.7	24.1	21.3	20.7	20.6
13	15.7	15.9	17.3	17.5	17.8	17.8	18.3	17.5	18.6	19.7	17.0	16.2	16.7	15.7	16.2	18.0	21.4	23.5	22.6	21.1	20.7	20.4	20.0	19.8	18.6
14	19.6	19.4	19.3	18.3	18.3	18.5	18.5	17.1	16.4	16.3	17.4	16.9	16.1	16.5	16.5	18.7	21.2	22.1	22.6	23.2	22.6	21.2	20.4	19.7	19.0
15	19.4	19.7	20.0	17.2	15.4	15.0	17.3	16.3	16.8	16.0	16.0	15.8	15.6	14.8	15.0	17.3	21.2	23.2	23.9	23.3	22.1	21.0	20.7	20.1	18.5
16 Q	19.5	19.3	19.4	19.2	19.1	18.5	18.4	18.4	17.1	18.5	17.6	17.5	16.6	16.5	17.0	19.3	21.1	23.1	24.2	24.0	23.0	21.5	20.8	19.9	19.6
17	19.6	19.6	19.5	19.2	18.5	19.0	19.0	21.2	18.1	16.8	17.2	16.8	17.4	16.6	17.0	20.3	22.8	24.0	23.8	23.1	22.5	21.2	20.1	19.7	19.7
18	19.4	19.3	19.0	18.8	18.8	18.7	17.7	17.6	17.1	16.7	16.6	16.1	17.6	19.7	16.6	17.8	21.4	24.4	25.1	24.7	23.8	22.3	20.5	19.4	19.6
19 D	19.0	18.4	18.2	18.8	18.9	17.6	17.5	21.7	16.9	17.1	17.4	16.2	21.4	23.4	23.2	23.9	23.2	24.1	27.7	27.0	26.7	23.5	20.9	20.3	21.0
20	19.7	19.4	19.7	19.7	18.8	15.7	19.0	18.9	17.6	16.7	17.0	16.2	17.6	17.4	18.3	21.0	22.8	25.0	30.7	26.8	23.2	21.7	21.8	19.5	20.2
21 D	19.8	18.9	18.9	18.8	18.1	17.3	21.0	18.9	17.2	14.9	15.6	16.9	15.1	13.2	16.6	18.7	24.1	26.7	26.5	24.5	24.4	23.7	19.9	20.8	19.6
22	20.5	19.5	19.0	19.2	18.9	18.4	17.7	18.6	18.6	18.6	18.0	17.1	15.6	14.2	14.9	17.6	22.3	26.6	27.9	27.0	25.3	22.8	15.0	20.7	20.0
23	20.0	19.6	19.6	19.5	19.6	19.5	19.2	18.9	18.8	17.7	18.2	19.6	17.4	13.1	12.4	14.3	19.1	23.4	26.2	26.9	25.1	22.6	21.1	19.9	19.7
24	19.0	16.2	15.1	19.8	19.9	19.2	19.1	18.8	19.1	18.5	17.3	16.5	14.5	13.0	13.0	15.3	19.3	24.0	26.6	25.8	25.1	23.6	22.1	20.8	19.2
25	19.7	19.3	13.2	15.1	17.0	18.8	19.3	17.6	19.7	15.1	16.0	16.9	17.4	13.8	12.2	14.2	18.5	22.6	24.3	25.1	25.3	24.6	22.6	20.9	18.7
26	19.7	18.4	15.9	18.2	18.5	18.8	18.9	18.9	18.9	18.7	18.8	17.8	14.7	13.1	13.0	16.0	19.3	22.3	23.5	23.8	23.0	22.0	21.5	21.1	18.9
27 Q	20.6	19.7	19.5	19.4	19.0	18.8	19.0	19.1	17.8	17.1	17.8	16.8	15.0	13.5	14.3	15.0	19.3	23.4	24.7	24.3	24.6	22.8	21.9	20.6	19.3
28	19.8	19.4	19.5	19.1	19.0	18.6	18.3	18.1	17.9	17.7	17.7	16.9	16.1	15.9	16.2	17.0	21.1	23.4	24.4	24.4	24.7	25.5	22.6	19.8	19.7
29	19.6	19.1	17.4	17.1	15.8	16.6	16.1	13.4	16.5	18.9	18.6	18.0	17.9	18.1	16.1	16.4	18.7	21.0	23.3	24.4	24.2	23.5	21.9	20.2	18.9
30 Q	20.1	19.8	19.8	19.7	19.3	19.2	18.7	18.4	18.7	18.1	18.0	18.4	17.9	15.4	15.2	18.2	22.1	24.4	25.0	25.1	24.2	23.4	22.5	22.0	20.2
31	21.5	20.9	20.4	19.7	19.5	19.0	18.7	18.1	17.9	17.7	17.6	17.0	15.1	14.3	15.3	19.0	22.0	23.6	24.4	23.5	22.1	21.0	19.9	19.8	19.5
Mean	19.9	19.4	18.9	19.0	18.8	18.4	19.1	18.8	18.6	17.9	17.7	17.5	17.5	16.7	16.9	18.6	21.8	24.2	25.2	24.7	23.7	22.4	21.4	20.6	19.9

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

Table 9 Agincourt

z = 56,000 γ +

March 1962

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	151	150	150	150	149	151	149	138	133	143	145	145	144	141	140	138	136	140	142	145	146	147	147	148	145	
2	150	152	153	154	152	151	150	152	152	152	152	152	153	151	147	145	145	150	158	158	158	153	152	152	152	
3	152	151	151	152	150	150	147	147	147	147	149	150	149	146	146	145	152	155	155	156	159	165	165	169	152	
4	170	171	164	158	155	155	153	154	153	153	153	150	148	148	146	147	151	157	156	155	153	153	153	153	155	
5 D	153	152	152	151	152	148	151	148	144	130	134	137	140	141	129	132	139	149	149	153	156	156	154	154	146	
6 D	155	155	153	167	133	127	149	130	131	120	123	130	123	130	129	138	143	155	160	162	164	161	161	158	144	
7	158	159	158	160	158	152	136	141	149	154	154	155	155	154	154	149	149	153	160	159	160	159	157	158	154	
8 Q	157	156	156	151	151	153	154	153	155	155	156	156	156	156	153	148	148	153	155	156	156	159	156	155	154	
9 Q	155	153	154	153	153	151	150	152	151	150	153	153	155	153	154	150	148	153	155	156	155	154	151	153	153	
10	152	154	158	160	159	159	156	156	154	148	145	149	153	155	156	149	150	156	162	162	162	170	174	185	158	
11	181	178	181	175	132	129	137	138	153	156	151	156	156	152	148	145	141	146	152	156	161	161	160	159	154	
12 D	159	162	162	161	158	157	152	155	152	151	150	147	145	144	148	145	146	157	163	168	171	171	168	168	157	
13	169	171	169	164	163	161	159	157	156	150	150	155	158	157	156	151	152	157	157	157	160	162	163	161	159	
14	159	158	158	158	157	157	155	152	149	150	152	157	156	155	154	150	150	149	153	158	158	158	160	159	155	
15	157	158	161	149	147	155	161	163	162	160	157	157	155	155	153	145	146	150	152	156	155	160	161	160	156	
16 Q	157	155	155	155	155	153	152	152	153	155	154	155	158	157	155	156	155	155	160	156	158	158	157	157	156	
17	155	156	154	153	153	156	155	150	150	150	152	155	157	155	152	145	145	148	150	150	152	153	153	155	152	
18	152	152	152	151	151	151	151	150	151	150	150	152	152	153	149	146	144	149	151	157	163	163	162	161	153	
19 D	158	160	163	158	157	157	157	150	153	155	154	155	152	149	145	143	141	147	158	173	170	164	165	161	156	
20	160	157	157	157	156	146	155	157	157	157	157	157	158	157	156	155	150	150	152	158	157	154	161	167	156	
21 D	172	164	160	158	156	151	131	114	138	150	151	155	158	155	155	155	157	156	159	167	163	167	180	167	156	
22	158	157	155	155	153	152	150	152	153	154	155	157	157	155	150	147	144	149	150	156	157	163	163	162	154	
23	157	157	157	156	155	156	156	155	155	152	153	157	157	154	149	146	143	145	151	155	156	157	157	157	154	
24	157	161	161	162	158	157	156	156	153	150	154	157	157	155	155	149	146	150	153	155	156	156	156	155	155	
25	154	156	156	156	156	162	143	145	137	143	148	147	145	146	148	148	148	150	156	160	159	160	159	158	152	
26	156	156	156	157	160	160	156	154	154	153	154	156	154	151	149	149	148	150	149	150	145	150	145	148	146	153
27 Q	145	145	147	154	152	152	151	151	148	148	149	153	153	152	149	143	140	140	145	149	151	154	156	154	149	
28	150	150	149	149	149	148	148	149	150	148	148	150	153	154	150	142	142	147	148	155	159	159	161	161	151	
29	161	169	166	160	155	153	142	139	148	155	153	153	151	149	146	142	138	138	143	150	155	155	158	156	151	
30 Q	153	153	153	153	152	151	150	150	150	149	149	152	154	150	142	135	136	144	146	149	154	154	154	154	149	
31	151	148	147	146	147	146	146	146	147	145	147	148	148	146	142	139	142	148	152	153	152	148	148	148	147	
Mean	157	157	157	156	153	152	150	149	150	149	150	152	152	151	148	146	146	150	153	156	157	158	159	158	153	

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

Table 10 Agincourt

H = 15,000 γ +

April 1962

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	942	939	937	931	920	918	909	919	912	927	924	924	918	913	905	888	888	898	904	917	923	928	931	931	918	
2	929	925	923	923	933	927	924	925	929	931	929	926	919	909	902	899	899	909	915	932	924	929	930	905	920	
3	904	928	927	929	925	932	916	903	914	922	924	920	917	909	899	883	880	893	900	907	918	919	928	919	912	
4	918	916	923	920	919	908	913	916	892	928	927	924	912	903	895	892	898	901	910	923	928	931	933	903	914	
5	903	892	895	903	908	912	916	919	923	923	920	918	914	908	902	885	886	897	909	919	927	933	937	937	912	
6 D	936	943	934	934	937	937	937	943	942	937	925	911	927	907	906	891	896	903	904	930	978	935	933	931	927	
7 D	936	886	898	904	891	854	842	872	867	836	900	881	883	900	870	855	885	894	916	930	920	937	922	908	891	
8 D	874	903	899	899	899	899	908	909	912	917	919	909	894	892	894	878	843	887	908	920	917	916	922	926	902	
9	916	887	895	915	914	913	906	908	913	914	914	911	908	898	881	880	892	898	909	922	919	922	928	923	908	
10 D	918	923	928	919	911	917	923	922	918	919	896	913	907	886	853	858	903	913	901	916	911	918	923	916	909	
11	913	905	927	877	886	902	898	909	904	882	886	892	897	895	894	882	880	889	909	913	919	918	916	913	900	
12	915	919	927	904	913	917	915	915	915	914	917	913	911	906	899	896	890	897	912	922	928	925	924	918	913	
13 Q	917	913	913	913	916	915	913	914	914	914	917	919	918	912	904	893	886	892	901	909	922	928	928	928	930	913
14 Q	923	926	923	923	924	924	924	925	927	928	925	919	911	901	889	882	892	904	914	923	928	932	931	930	918	
15	933	934	931	924	925	924	925	928	929	932	931	927	918	912	904	881	887	906	923	942	948	943	940	933	924	
16	924	923	915	915	919	925	927	927	929	929	928	923	918	907	894	887	894	913	927	940	936	934	934	930	921	
17	929	927	919	922	912	913	922	927	926	921	925	924	917	906	894	892	902	917	924	933	929	933	930	934	920	
18	930	927	925	919	908	907	910	902	907	907	915	922	923	910	911	910	911	921	928	943	926	939	936	934	920	
19	929	931	900	921	922	928	927	936	930	928	928	926	922	913	906	901	902	912	923	930	937	938	932	927	923	
20	921	910	917	925	925	926	929	930	929	927	927	926	918	908	897	887	887	917	932	937	944	951	945	943	923	
21	943	947	941	945	945	941	945	936	937	936	944	940	933	917	901	896	880	878	911	926	938	936	925	902	927	
22 D	873	868	880	885	889	905	896	893	903	920	915	895	896	886	874	843	855	896	921	949	943	934	927	926	899	
23	903	893	895	900	915	910	912	920	919	920	930	922	921	907	895	896	901	927	942	954	946	939	930	923	917	
24 Q	921	922	922	923	921	921	923	924	925	925	925	924	919	916	913	909	906	906	929	951	952	948	937	930	925	
25	927	924	922	924	924	924	931	925	929	927	925	923	920	905	884	874	898	915	940	944	937	941	936	936	922	
26	929	927	925	926	932	936	927	890	895	927	929	914	913	912	899	899	903	918	926	936	939	935	924	926	920	
27	925	922	926	923	926	909	910	914	919	915	919	915	914	906	894	905	925	940	951	952	945	950	942	935	924	
28	932	931	930	927	923	934	936	928	929	925	929	926	922	908	899	899	913	928	947	951	951	947	938	933	929	
29 Q	933	938	933	932	932	930	931	928	929	931	928	923	913	901	899	918	928	935	943	948	943	934	928	928	929	
30 Q	927	933	936	934	932	930	928	923	921	925	927	925	920	918	911	917	933	950	959	956	955	942	938	932	932	
31																										
Mean	921	919	919	918	918	918	917	918	918	920	922	918	914	905	895	889	895	909	922	933	935	934	931	925	917	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 11 Agincourt

D = 7° W + ...'

April 1962

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	19.9	19.9	20.1	19.8	15.9	17.7	16.2	15.8	20.1	11.9	14.6	16.7	16.4	18.2	17.9	19.6	23.1	25.9	25.7	23.6	22.5	21.2	20.0	19.9	19.3	
2	20.0	20.1	20.1	17.9	18.1	20.4	19.1	18.7	18.1	17.9	17.3	16.7	16.3	16.2	18.4	21.3	23.7	25.8	26.7	25.8	25.8	23.7	23.5	20.1	20.5	
3	17.9	19.9	19.9	19.7	19.4	16.8	16.1	16.1	16.8	17.9	17.8	17.1	15.2	14.8	15.5	18.3	24.7	27.1	29.0	26.5	25.1	21.8	20.3	19.1	19.7	
4	18.6	17.9	19.8	19.8	18.3	17.1	26.0	18.4	25.1	23.9	15.1	13.5	13.8	12.7	14.2	18.4	21.9	24.7	25.9	25.5	24.0	22.1	20.8	19.0	19.8	
5	14.0	16.7	16.2	16.3	19.1	18.9	20.0	19.0	18.9	19.0	18.9	17.5	15.3	13.2	14.3	17.5	22.7	26.2	27.1	26.4	24.7	22.6	21.3	20.3	19.4	
6 D	19.8	19.8	19.4	19.9	19.9	19.4	19.4	9.4	16.7	21.6	17.0	13.8	13.6	12.6	15.2	20.1	24.1	26.5	31.2	31.3	31.0	29.7	23.9	23.9	20.8	
7 D	12.0	16.1	18.9	13.9	12.8	27.4	30.1	20.7	13.0	22.8	21.4	20.1	27.8	26.7	19.8	21.3	21.6	25.3	26.5	28.2	24.6	26.4	20.1	7.5	21.1	
8 D	6.2	17.0	13.8	16.1	13.8	18.1	20.4	23.4	22.5	20.2	20.0	16.6	17.2	20.0	21.3	23.1	25.1	28.1	29.9	30.3	28.1	20.4	21.9	22.1	20.6	
9	15.4	14.9	21.2	20.1	19.9	20.1	22.7	20.7	16.6	17.5	17.9	17.3	16.1	16.4	21.1	25.1	24.5	27.6	28.2	27.6	26.4	23.6	22.4	20.3	21.0	
10 D	20.1	20.2	21.0	18.4	18.2	19.3	18.5	17.8	17.0	18.0	15.9	17.3	14.4	12.4	20.4	19.0	21.2	18.9	19.0	19.7	17.2	24.4	13.7	20.9	18.5	
11	19.9	13.7	11.9	13.0	14.6	19.2	27.4	25.9	16.2	15.6	19.9	19.9	19.9	16.8	17.5	21.1	26.4	27.0	25.2	25.6	25.3	22.7	21.8	19.6	20.3	
12	20.8	19.7	17.3	18.8	20.4	20.0	19.8	19.6	19.7	19.5	19.1	18.8	18.0	18.8	18.0	19.2	20.8	23.9	25.0	25.3	25.1	26.1	25.4	20.8	20.8	
13 Q	17.1	20.9	20.3	20.1	19.7	19.6	19.6	19.2	19.1	19.7	19.1	18.2	17.3	16.9	17.8	17.4	21.5	25.6	26.3	25.4	24.5	23.4	22.3	20.8	20.5	
14 Q	17.7	17.9	19.9	20.3	20.2	19.9	19.8	19.3	19.1	18.6	17.9	17.1	15.8	15.7	16.6	19.0	23.0	26.4	27.1	27.2	25.4	23.8	22.2	21.4	20.5	
15	20.5	20.0	19.1	12.4	14.2	18.6	18.4	18.3	17.8	17.1	16.2	15.4	14.0	12.3	13.3	14.6	21.5	29.0	29.6	27.1	26.6	25.7	23.6	21.4	19.4	
16	19.0	19.1	17.5	19.5	18.8	18.8	19.1	18.7	18.5	18.0	17.1	14.4	13.1	14.4	17.0	20.5	25.2	28.2	29.3	27.1	24.6	22.7	21.3	20.3	20.1	
17	20.2	19.4	15.5	13.9	11.6	16.9	18.5	18.0	17.9	17.3	17.0	15.0	14.5	14.5	16.2	20.6	22.5	24.6	26.3	25.6	25.0	23.7	22.6	21.6	19.1	
18	21.8	20.6	19.7	17.9	15.0	17.2	16.8	15.1	17.8	14.3	11.7	11.3	12.2	12.7	19.9	19.1	22.3	25.4	24.9	24.7	25.2	23.6	21.8	20.2	18.8	
19	20.4	19.6	11.3	14.4	18.0	19.7	19.5	20.1	17.4	16.4	16.0	15.0	14.5	15.0	16.2	18.3	20.8	23.3	24.4	24.3	23.2	21.9	20.9	19.6	18.8	
20	20.0	18.7	20.0	21.0	18.9	19.2	19.7	19.1	18.3	18.0	16.9	15.7	14.6	14.0	16.3	19.1	22.6	28.4	28.4	26.9	24.6	22.2	20.6	19.7	20.1	
21	18.2	18.9	18.2	19.1	17.2	15.9	18.1	18.2	18.6	18.2	15.2	12.9	12.7	13.9	16.0	19.8	20.4	28.1	31.9	32.9	25.8	21.9	20.8	19.5	19.7	
22 D	10.8	12.0	13.1	6.0	15.7	21.2	20.1	18.2	24.6	18.9	18.2	22.9	21.5	16.8	24.2	25.7	33.0	31.3	28.0	25.5	24.4	22.1	18.2	18.2	20.4	
23	18.2	15.5	14.2	13.4	17.5	23.6	18.1	25.0	15.5	19.2	20.2	17.8	17.7	16.5	18.1	21.9	26.4	27.5	26.3	24.9	23.0	21.0	20.1	19.9	20.1	
24 Q	19.5	15.1	20.4	20.4	20.3	20.5	20.8	20.5	19.3	19.3	18.1	16.5	15.6	17.3	17.5	18.7	21.9	23.5	25.5	24.7	23.1	22.6	21.2	20.3	20.3	
25	19.9	20.2	19.9	19.9	19.5	19.3	21.9	19.9	19.2	17.1	19.0	18.1	13.0	13.5	14.1	20.4	28.6	30.6	31.3	30.3	27.3	23.8	21.3	20.0	21.2	
26	19.3	19.3	18.1	19.2	19.3	20.8	17.3	15.4	30.2	14.5	13.5	14.8	16.0	18.5	19.7	22.0	22.9	24.7	24.9	24.4	23.4	22.3	21.0	20.1	20.1	
27	19.7	20.3	19.3	19.9	21.7	17.1	17.2	17.1	16.5	19.1	17.5	15.4	14.9	16.2	18.8	24.1	25.8	25.9	25.8	25.9	24.9	23.0	22.1	21.6	20.4	
28	20.8	20.3	20.0	19.6	20.3	21.1	21.7	18.2	18.3	17.3	15.5	14.6	14.8	15.7	19.1	22.5	25.9	27.4	25.7	25.9	24.8	23.6	21.8	21.2	20.7	
29 Q	20.6	20.3	18.7	18.1	19.9	19.6	18.8	18.2	17.1	17.1	16.5	15.4	14.7	17.5	23.6	24.9	25.6	26.6	27.4	27.3	26.6	24.5	22.1	21.3	20.9	
30 Q	19.0	21.5	20.9	20.4	19.4	18.8	18.2	17.6	17.0	17.7	17.3	15.6	15.5	16.5	18.2	22.7	26.4	27.3	26.0	25.7	24.1	23.0	21.9	21.3	20.5	
31																										
Mean	18.2	18.7	18.2	17.6	17.9	19.4	20.0	18.7	18.8	18.1	17.3	16.4	15.9	15.9	17.9	20.5	24.0	26.4	27.0	26.4	24.9	23.3	21.4	20.1	20.1	

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

Table 12 Agincourt

Z = 56,000 γ +

April 1962

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	146	139	138	143	138	145	145	147	130	102	134	136	135	139	137	139	140	144	145	152	153	155	153	150	141
2	146	145	145	144	133	139	144	145	145	145	145	145	145	144	140	139	146	152	152	153	155	158	164	176	148
3	169	152	146	144	144	130	104	119	143	144	145	149	147	144	143	137	136	139	145	153	155	157	160	154	144
4	150	154	148	144	143	132	113	115	103	89	100	126	137	139	138	139	140	148	150	150	149	151	156	162	136
5	162	158	160	157	155	151	151	150	150	149	150	150	150	149	146	141	139	139	140	141	143	147	147	144	149
6 D	142	142	141	143	134	141	119	117	130	121	94	118	125	135	137	137	136	139	149	161	181	210	180	174	142
7 D	158	155	167	154	134	63	19	44	56	45	113	112	105	105	117	138	142	147	147	159	177	182	211	186	127
8 D	173	154	149	111	132	141	143	140	138	140	144	141	134	133	132	127	160	178	169	171	171	173	164	164	149
9	166	165	160	156	154	148	133	130	142	148	149	148	148	143	139	137	139	141	146	151	155	154	154	155	148
10 D	152	150	152	152	153	157	154	149	137	74	62	76	103	125	128	138	141	149	166	193	202	208	204	179	146
11	171	149	99	110	139	143	117	110	123	117	110	122	132	137	139	141	146	150	153	152	154	160	162	166	138
12	159	154	139	146	151	150	150	148	147	147	147	146	145	140	141	140	139	145	153	154	159	164	170	177	150
13 Q	164	163	154	153	150	150	150	148	149	149	152	152	150	147	147	145	142	147	154	158	158	154	153	154	152
14 Q	154	149	150	149	148	148	148	148	148	148	149	151	149	146	139	136	140	141	146	149	148	149	149	147	147
15	146	146	148	141	135	140	143	148	147	146	147	146	143	140	135	131	130	127	129	140	142	141	144	140	141
16	142	146	150	146	146	143	143	146	143	142	142	141	141	141	141	141	136	133	135	143	149	154	152	151	144
17	147	146	143	121	119	137	142	143	141	141	141	141	140	135	131	129	123	129	134	137	140	146	144	143	137
18	144	143	142	142	138	135	130	130	128	123	124	130	134	134	134	129	130	128	131	142	143	146	148	151	136
19	149	145	149	135	142	143	142	133	137	142	144	144	140	134	127	123	125	133	141	147	149	148	148	149	140
20	149	150	149	136	136	141	143	143	142	142	142	143	142	141	136	128	129	133	130	134	143	145	147	149	141
21	148	143	142	143	137	138	140	139	142	143	143	142	139	137	135	137	133	150	168	184	199	189	172	173	151
22 D	183	167	148	129	131	95	101	115	70	107	119	110	126	135	136	140	149	164	179	186	188	197	195	187	144
23	186	179	156	139	115	129	132	109	132	131	124	129	134	143	144	145	145	148	151	157	159	160	160	157	144
24 Q	157	155	152	152	152	152	153	153	152	155	157	154	150	149	149	149	146	147	151	153	155	158	157	157	153
25	154	152	151	151	151	151	143	141	143	151	144	133	140	143	138	141	150	156	157	159	166	163	162	157	150
26	157	157	156	155	154	130	110	119	90	126	144	138	141	134	133	140	146	151	154	155	157	161	165	166	143
27	163	158	157	157	139	133	138	151	161	154	152	155	153	143	136	140	149	156	157	158	163	164	164	165	153
28	163	162	162	161	161	149	122	136	151	151	152	151	150	144	140	139	144	147	146	149	151	157	163	163	151
29 Q	157	157	151	147	151	152	152	151	151	151	151	151	151	148	144	140	139	140	144	149	155	158	158	158	151
30 Q	157	152	151	151	151	151	151	151	151	151	149	147	147	145	139	145	148	150	152	157	163	161	163	158	152
31																									
Mean	157	153	148	144	142	139	132	134	134	132	136	138	139	139	137	138	140	145	149	155	159	162	162	160	145

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

Table 13 Agincourt

H = 15,000 γ +

May 1962

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	943	920	926	932	932	929	923	923	923	926	928	927	922	914	908	909	922	928	947	953	960	956	943	928	928	
2	930	933	926	920	918	922	932	928	928	923	921	923	925	913	901	905	907	916	932	940	947	948	945	929	925	
3	931	927	928	921	917	921	922	927	918	919	922	922	916	908	896	895	896	907	919	927	937	947	947	942	921	
4 Q	937	936	936	934	932	932	938	937	931	932	932	930	926	918	906	902	907	917	928	940	944	945	944	943	930	
5	941	939	936	936	936	936	936	936	935	936	936	936	933	928	926	921	922	930	947	962	972	981	982	969	942	
6 D	946	967	956	956	953	951	947	949	947	942	928	918	927	903	860	865	871	882	895	915	921	945	936	912	925	
7	916	918	905	912	909	911	912	912	914	908	905	906	902	902	895	891	895	906	920	931	926	932	937	927	912	
8	926	918	921	920	926	925	926	925	923	921	922	926	925	915	909	908	902	894	898	909	924	934	928	936	919	
9	930	924	921	919	914	915	915	916	914	914	916	917	917	912	905	904	911	921	930	940	939	935	931	932	920	
10	931	929	924	922	922	921	926	929	927	927	923	922	920	917	916	905	915	923	930	929	924	927	929	927	924	
11	925	925	924	925	930	931	930	932	934	932	934	935	932	916	911	901	896	901	908	915	929	938	928	927	923	
12	921	924	925	923	924	924	925	923	923	921	920	920	915	910	907	912	924	935	937	939	935	931	930	930	924	
13 D	929	930	934	932	923	919	914	922	922	924	920	917	904	915	909	921	938	942	945	947	951	946	945	938	929	
14 D	915	895	902	899	903	922	925	930	932	936	936	930	930	929	924	925	924	927	929	935	950	945	939	932	925	
15 D	929	925	940	945	925	930	935	933	937	940	935	925	921	916	895	907	904	916	931	931	948	951	946	939	929	
16	935	938	939	939	938	921	909	913	928	911	918	926	923	914	904	911	921	930	941	944	950	959	951	936	929	
17	934	936	935	935	937	935	935	938	934	934	930	928	920	914	913	909	910	924	939	955	954	954	945	939	933	
18 Q	939	938	938	936	933	934	936	934	935	939	939	938	926	910	897	904	918	934	944	945	947	945	947	946	934	
19	946	950	951	941	941	943	939	929	923	934	929	934	934	935	926	920	935	946	960	962	960	952	949	946	941	
20	945	946	939	938	943	938	937	940	936	937	935	935	934	926	918	915	922	935	949	955	951	949	947	944	938	
21	937	948	938	937	936	937	935	936	935	936	938	934	924	913	917	918	924	929	935	943	949	951	952	950	935	
22	947	938	938	938	937	935	934	938	938	941	943	942	936	924	911	915	922	938	944	949	950	950	939	939	937	
23 Q	941	943	945	943	934	942	943	936	934	938	939	936	934	932	931	929	928	933	934	939	939	940	940	944	937	
24 Q	945	945	946	941	936	934	940	939	941	943	944	945	936	925	918	924	930	936	945	954	959	956	951	948	941	
25 Q	950	950	950	951	949	950	951	951	951	950	948	944	931	919	911	914	925	940	951	964	963	958	952	952	945	
26	954	955	955	951	955	951	952	952	955	952	951	946	929	911	909	915	933	954	967	968	966	975	970	957	949	
27	945	950	948	951	970	966	937	926	924	921	920	918	919	912	884	878	902	926	937	956	953	960	944	940	933	
28	936	935	936	936	938	933	928	931	927	926	922	922	921	907	901	907	916	927	938	951	963	961	936	936	931	
29	941	940	940	931	926	931	936	926	939	931	931	922	917	910	910	921	941	957	971	973	971	958	948	937	938	
30	936	940	941	939	938	936	937	936	937	937	937	938	936	933	926	921	921	926	943	951	953	953	953	954	961	940
31 D	957	959	958	958	964	958	941	915	925	924	915	912	880	880	894	890	896	924	926	936	957	948	942	941	929	
Mean	937	936	936	934	934	933	932	931	931	931	930	928	923	915	908	908	916	926	936	944	948	949	944	940	931	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7° W +'

May 1962

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	20.0	14.3	20.7	20.8	20.5	22.2	18.1	19.2	18.3	17.8	17.4	14.8	11.7	15.3	18.3	22.2	26.6	28.6	27.7	29.4	25.7	24.8	25.7	23.8	20.9	
2	22.1	22.1	22.0	21.9	18.2	20.2	17.3	18.1	18.0	16.5	14.8	13.6	13.6	14.2	17.1	20.4	24.0	29.3	30.6	29.9	28.2	26.0	25.6	24.5	21.2	
3	21.2	21.6	20.5	17.6	18.4	19.3	18.2	18.2	15.8	17.6	17.7	13.8	12.8	13.7	16.5	20.2	22.8	25.0	26.6	26.5	24.0	22.1	21.1	20.3	19.6	
4 Q	20.0	20.4	18.5	19.9	19.3	19.2	19.4	18.5	17.4	16.9	15.0	14.5	12.6	11.7	15.8	19.4	23.1	25.1	25.7	25.1	24.1	22.8	21.7	20.8	19.4	
5	20.4	20.3	20.1	20.1	19.8	19.3	19.1	17.6	17.6	17.4	16.2	15.0	14.7	15.0	15.6	17.6	19.9	22.0	23.9	25.6	25.2	24.0	23.1	24.0	19.7	
6 D	23.9	21.9	20.1	19.9	19.0	18.2	17.7	16.3	15.3	14.6	15.4	16.3	20.5	21.1	22.2	28.4	33.8	25.0	29.7	29.2	26.4	24.8	24.0	20.3	22.0	
7	18.3	19.4	16.2	19.3	18.2	19.1	20.2	20.7	20.3	18.9	16.7	16.1	15.5	15.8	17.6	19.2	22.0	23.9	24.7	25.5	25.5	24.6	23.1	23.1	20.1	
8	22.0	20.6	20.8	20.3	20.1	19.3	20.2	19.8	19.4	18.4	16.7	15.3	14.7	13.7	14.9	15.8	18.7	22.0	24.5	24.8	24.7	23.6	21.7	20.8	19.7	
9	20.8	21.1	20.6	21.1	20.4	19.2	19.5	19.4	19.3	19.1	18.1	15.7	15.5	14.7	15.2	17.4	20.4	22.4	23.7	23.8	23.7	23.7	22.3	21.0	19.9	
10	20.1	18.4	18.8	12.1	17.5	18.2	18.6	20.0	20.1	19.8	16.2	14.8	13.7	14.5	17.2	20.2	24.0	23.4	23.8	24.2	23.0	21.7	20.8	19.8	19.2	
11	19.5	19.6	20.0	20.1	18.8	19.1	18.5	19.6	19.2	18.1	16.2	14.9	14.8	16.3	18.3	18.6	24.4	26.8	28.3	27.7	23.2	22.1	20.7	18.3	20.1	
12	19.2	19.5	19.5	19.5	19.4	18.1	18.6	19.4	19.9	19.7	18.2	16.6	16.4	17.4	19.3	21.8	25.8	26.8	26.4	25.1	23.6	22.4	20.8	19.5	20.6	
13 D	20.1	20.1	20.1	19.5	18.6	15.6	16.6	18.3	17.7	17.5	17.4	17.0	21.4	19.3	16.8	20.0	22.9	24.0	24.0	21.8	20.9	21.8	18.4	18.3	19.6	
14 D	18.6	15.6	14.9	11.4	11.4	17.7	20.1	19.4	21.1	23.3	16.8	16.0	13.9	13.1	16.0	17.2	20.2	23.0	24.3	24.0	22.3	20.6	20.6	17.0	18.3	
15 D	19.0	20.0	13.9	18.7	15.9	18.5	20.0	22.4	19.2	17.7	15.9	15.6	14.1	15.4	16.8	23.0	26.1	26.9	26.6	26.9	23.8	21.9	21.3	21.2	20.0	
16	20.8	20.3	20.4	20.4	19.0	14.3	15.9	16.9	17.7	22.2	24.6	17.0	13.8	14.8	17.2	21.1	24.4	25.1	24.6	24.1	23.6	21.1	19.4	20.7	20.0	
17	21.1	20.9	21.0	20.7	20.4	19.6	19.8	19.6	19.5	20.6	19.5	17.3	15.7	16.8	18.1	20.8	22.9	24.3	26.3	25.2	23.9	21.1	19.6	19.1	20.6	
18 Q	19.5	20.4	20.3	19.3	19.5	20.5	20.4	19.9	19.5	18.4	16.1	12.3	13.1	13.6	16.5	23.3	27.7	28.5	27.7	26.1	23.8	21.9	20.3	19.2	20.3	
19	19.7	19.7	20.4	20.7	20.2	20.6	17.4	16.9	21.6	13.9	13.3	12.5	13.8	13.9	17.3	19.0	23.1	24.9	25.8	24.2	21.9	21.9	20.5	19.6	19.3	
20	19.7	20.1	20.4	19.6	19.8	19.4	19.7	19.6	18.2	18.0	15.0	13.5	11.5	11.3	12.8	17.7	25.8	26.6	25.2	23.2	22.1	20.2	19.7	18.7	19.2	
21	19.6	20.2	19.7	20.5	20.6	20.4	19.8	19.6	18.8	17.9	16.1	13.1	13.9	13.9	16.4	19.6	22.1	25.4	26.2	26.0	24.3	22.3	20.1	19.0	19.9	
22	18.5	18.4	18.4	20.5	20.8	20.5	20.2	19.6	19.2	17.8	16.5	13.6	13.1	13.1	15.6	20.7	24.2	26.6	27.8	27.0	25.9	22.1	20.8	19.5	20.1	
23 Q	18.7	19.5	19.8	19.8	19.7	19.7	19.7	20.2	19.8	18.1	16.3	14.2	12.4	12.5	14.9	18.2	22.1	25.4	27.2	26.3	23.9	22.3	21.0	19.6	19.6	
24 Q	19.8	19.7	18.8	18.2	18.4	24.4	19.8	19.7	19.2	18.6	16.9	15.7	15.2	15.9	17.2	19.2	23.0	25.2	26.2	26.2	24.4	22.6	20.6	19.8	20.2	
25 Q	19.9	20.6	20.7	20.4	19.9	19.7	18.9	18.7	18.2	17.2	15.2	12.2	12.2	13.4	16.5	20.6	24.4	26.7	26.9	24.1	22.4	20.4	18.9	18.7	19.5	
26	19.8	20.5	20.4	20.3	19.9	19.7	18.7	18.0	17.4	16.5	14.0	11.8	10.3	12.8	18.0	22.5	26.4	27.2	27.0	25.9	23.8	20.4	19.2	19.5	19.6	
27	21.2	21.6	21.5	20.5	18.9	17.7	11.5	14.1	15.2	12.6	9.1	9.3	11.2	11.0	12.9	21.2	29.9	28.7	29.5	27.4	26.3	23.2	19.8	19.3	19.0	
28	20.8	21.7	21.5	20.7	19.4	20.6	20.6	19.7	18.6	18.6	16.9	14.5	15.1	18.6	22.2	26.0	26.9	25.5	26.2	24.0	22.4	20.3	18.7	19.5	20.8	
29	20.4	21.5	19.8	21.0	19.6	20.9	20.6	20.2	20.9	14.1	14.0	13.1	15.3	17.9	22.2	26.8	29.0	30.0	28.1	25.4	22.2	20.4	19.7	19.5	20.9	
30	20.7	21.1	21.5	20.9	21.4	19.9	19.7	19.0	18.1	17.6	16.3	14.3	13.5	15.4	18.7	24.2	28.8	30.2	29.0	27.1	24.2	21.9	19.9	19.0	20.9	
31 D	20.4	20.4	20.7	20.3	19.8	18.6	12.6	15.0	17.0	15.5	14.9	8.7	21.6	20.7	21.0	22.7	26.9	29.6	29.6	29.0	26.2	23.5	21.7	20.3	20.7	
Mean	20.2	20.1	19.7	19.6	19.1	19.4	18.6	18.8	18.6	17.8	16.2	14.3	14.4	15.1	17.3	20.8	24.6	25.9	26.6	25.8	24.1	22.3	21.0	20.2	20.0	

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

Table 15 Agincourt

Z = 56,000 γ +

May 1962

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	158	156	157	159	155	151	145	151	152	152	154	151	151	149	142	139	143	144	151	152	155	167	175	169	153
2	167	164	168	168	168	155	138	132	146	149	152	152	149	144	141	138	133	136	143	152	162	174	183	189	154
3	186	175	170	165	158	155	149	143	143	152	150	152	152	153	150	146	144	147	152	155	158	157	158	157	155
4 Q	155	151	148	149	149	150	144	137	145	151	151	150	149	146	140	138	142	143	144	144	146	149	150	150	146
5	150	149	148	148	147	146	145	143	144	146	146	144	143	142	140	132	131	132	132	132	132	133	139	145	142
6 D	142	141	139	140	143	143	143	143	142	143	145	143	131	126	127	132	137	156	193	221	215	194	201	193	156
7	177	151	152	152	150	152	153	150	145	148	150	148	146	144	140	137	139	140	147	153	156	161	162	161	151
8	160	160	156	152	151	149	146	145	150	153	154	153	152	147	138	137	138	139	139	140	149	156	162	166	150
9	160	155	154	154	151	150	150	150	150	151	154	154	150	143	143	143	145	145	143	145	146	147	146	145	149
10	148	150	153	154	148	148	148	145	138	136	143	145	143	138	132	126	131	134	134	139	143	148	150	145	142
11	145	146	144	146	145	145	143	144	143	145	145	144	143	134	121	118	124	135	143	146	155	153	159	160	143
12	154	151	148	148	148	143	139	139	145	148	148	146	144	142	136	131	132	134	137	139	142	143	148	149	144
13 D	147	145	144	143	138	125	140	145	148	148	144	142	135	128	127	131	132	134	141	147	163	174	189	188	146
14 D	194	192	167	145	138	141	131	137	147	148	151	149	148	146	145	139	140	143	146	154	167	178	173	173	154
15 D	164	160	143	115	137	149	150	139	135	149	149	150	149	150	148	155	148	153	167	168	161	162	156	152	150
16	151	150	150	148	145	118	126	139	145	132	119	121	130	130	134	137	140	146	149	154	156	154	156	153	141
17	151	150	150	149	148	146	148	145	144	148	145	143	144	144	139	136	139	142	143	147	151	156	155	154	147
18 Q	152	151	151	146	146	147	148	148	150	151	151	150	147	146	144	135	130	133	140	144	149	153	151	150	146
19	149	149	146	146	149	146	137	133	121	128	140	145	143	142	135	130	137	143	143	147	155	152	152	151	143
20	150	149	150	149	144	143	144	141	143	144	144	144	140	143	143	144	143	146	144	144	144	149	152	155	147
21	152	152	151	150	150	150	149	150	151	152	153	153	152	145	144	144	147	150	156	158	158	158	158	156	152
22	152	152	150	148	148	148	148	150	151	152	155	152	146	144	137	137	139	138	140	145	145	147	151	152	147
23 Q	150	147	147	146	146	146	147	147	146	149	152	151	146	139	131	126	122	127	135	139	143	145	145	147	142
24 Q	148	148	148	147	146	149	149	149	148	151	150	147	146	146	136	124	124	128	135	142	146	150	151	149	144
25 Q	146	148	146	147	147	146	146	146	146	148	151	152	148	145	140	139	139	145	147	151	153	152	148	145	147
26	144	145	145	145	145	145	146	146	146	146	148	146	146	143	139	131	135	135	140	146	145	146	151	154	144
27	153	152	148	146	148	126	120	140	146	148	151	148	145	140	135	137	146	147	157	172	173	186	188	171	152
28	163	158	154	153	147	149	153	154	153	150	144	141	140	139	138	135	129	135	149	166	177	179	171	160	151
29	155	152	152	147	149	152	153	147	124	136	149	149	147	143	138	143	147	149	155	158	160	158	154	149	
30	150	148	150	149	149	143	148	149	152	154	154	152	152	149	152	154	147	142	146	147	147	155	158	155	150
31 D	149	147	147	147	147	146	117	143	154	146	107	78	68	88	105	130	153	160	166	171	178	180	186	191	142
Mean	156	153	151	148	148	145	143	144	145	147	147	145	143	141	138	136	138	141	147	152	156	159	161	159	148

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

Table 16 Agincourt

H = 15,000 γ +

June 1962

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	943	936	936	937	935	928	931	924	922	930	916	915	921	915	905	894	896	906	926	936	944	939	952	951	927
2	942	942	936	937	941	941	933	932	931	932	937	933	923	914	906	898	903	918	932	942	950	947	952	946	932
3	938	937	938	940	938	937	936	933	933	932	936	936	932	927	916	908	919	944	964	977	972	965	952	944	940
4	942	918	920	918	935	936	936	937	934	922	919	920	920	916	903	899	913	925	940	964	959	959	947	933	930
5	931	931	931	933	927	933	934	922	919	926	925	926	921	911	912	916	924	938	966	967	974	973	959	966	936
6	928	915	905	911	918	906	897	911	917	916	919	918	916	907	905	902	909	930	942	941	960	951	952	941	922
7	944	947	945	941	945	952	962	947	937	938	935	935	938	930	917	914	927	939	950	952	952	950	941	937	941
8	933	930	931	933	938	938	932	936	935	936	937	936	932	926	922	925	937	950	962	965	962	957	963	965	941
9	952	959	947	941	926	908	925	947	946	952	949	946	931	925	912	924	924	924	933	934	950	943	957	954	938
10	936	926	929	920	912	897	912	915	931	913	922	924	924	919	918	922	929	937	942	952	954	952	948	927	
11	950	945	947	941	952	947	939	940	943	943	944	941	933	922	918	918	926	931	936	940	947	951	958	946	940
12	941	947	944	942	946	947	947	952	944	947	945	941	943	934	932	936	947	955	954	952	948	952	946	945	945
13	949	947	948	947	941	943	945	942	941	942	941	945	939	932	919	925	929	938	956	963	963	958	954	952	944
14	949	950	950	942	947	936	941	944	942	944	947	942	930	926	926	929	930	938	943	950	966	968	967	941	944
15	952	946	940	947	949	940	946	946	939	932	928	927	926	913	910	906	917	942	952	959	961	960	955	946	939
16	955	937	939	944	942	940	942	941	943	941	941	940	932	927	922	919	931	939	951	963	970	960	955	944	943
17	936	942	945	945	946	948	946	944	941	940	941	939	935	932	928	921	929	935	945	956	963	963	958	960	944
18	959	947	947	945	949	950	949	948	947	950	949	942	942	921	913	916	929	946	962	971	964	956	951	951	946
19	953	953	951	949	951	949	948	951	953	951	952	948	933	932	930	931	930	943	955	961	966	967	965	956	949
20	955	956	956	956	955	954	957	960	965	953	946	944	938	925	908	901	909	928	937	952	964	976	974	967	947
21	962	959	958	961	965	963	965	964	961	962	958	941	942	930	912	920	940	955	964	957	954	970	976	968	955
22	955	934	933	944	943	943	938	942	940	936	935	937	934	920	913	911	918	936	962	978	976	978	965	963	943
23	947	945	941	937	946	927	942	940	952	944	944	936	927	924	923	919	916	927	941	962	967	977	966	956	942
24	950	941	939	941	941	945	943	943	934	932	932	936	932	921	916	913	931	941	945	961	967	967	972	962	942
25	955	946	947	948	948	943	928	928	937	938	938	937	934	929	925	922	922	924	928	938	955	961	958	953	939
26	944	944	945	945	943	944	945	947	947	952	953	947	934	927	929	928	938	959	969	970	963	963	935	953	947
27	964	955	950	959	954	948	929	928	905	902	900	903	911	937	938	913	914	928	928	945	975	980	954	961	937
28	947	938	939	938	942	942	942	929	925	919	932	933	928	918	923	913	926	934	950	958	968	982	952	948	938
29	948	941	947	948	939	944	952	946	935	940	932	928	922	930	916	910	909	934	946	951	967	964	969	961	940
30	953	950	951	948	940	934	934	937	921	935	936	932	924	918	920	914	916	919	939	949	960	959	956	949	937
31																									
Mean	947	942	941	941	942	939	939	939	937	937	936	934	930	924	918	915	923	935	947	955	961	962	957	952	940

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 17 Agincourt

D = 7° W + ...'

June 1962

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	19.5	19.1	18.8	18.7	19.6	20.7	21.0	23.3	29.1	20.9	20.1	16.8	12.2	13.2	15.9	19.9	24.3	26.8	27.7	26.9	24.7	22.5	20.7	20.5	21.0	
2	20.6	21.5	20.7	21.6	20.7	19.9	20.1	20.0	19.6	19.9	17.9	15.3	14.3	14.2	16.2	19.1	23.0	26.3	26.4	27.1	26.2	24.4	20.7	20.7	20.7	
3	20.7	20.5	20.9	21.0	20.9	20.9	19.9	19.4	18.9	18.0	16.0	13.2	12.1	12.1	14.4	19.7	25.4	29.9	29.1	27.1	24.5	22.5	21.0	20.7	20.4	
4	19.9	14.5	18.0	19.7	21.6	21.4	21.3	24.4	19.8	18.5	15.7	10.8	11.1	14.1	16.4	22.1	28.4	28.9	27.1	24.5	24.1	21.0	21.0	17.9	20.1	
5	19.9	20.9	21.3	21.2	21.6	21.5	20.1	21.8	25.3	18.0	14.4	12.9	11.4	13.5	16.5	20.3	25.6	26.4	26.5	25.8	23.2	22.2	22.2	20.2	20.5	
6	21.2	17.0	16.9	18.3	18.3	19.0	23.2	18.5	18.0	16.2	15.9	12.5	12.5	13.8	16.0	18.7	24.0	17.8	18.8	18.7	25.6	23.9	22.6	22.7	18.8	
7	21.4	20.4	20.3	20.9	20.9	19.8	17.4	19.9	17.8	18.8	15.9	15.6	16.4	16.4	15.9	20.2	24.5	24.9	24.9	25.3	24.4	22.6	22.2	21.6	20.3	
8 Q	21.6	21.6	21.4	21.0	20.7	20.4	19.6	19.5	18.8	18.3	15.3	13.2	12.9	13.3	16.5	20.2	23.5	24.9	24.5	23.9	23.6	22.5	20.9	18.5	19.8	
9 D	20.4	20.6	18.7	17.6	7.2	13.6	15.2	15.5	16.6	22.8	11.1	8.2	9.9	12.4	14.9	19.2	20.9	24.0	23.9	27.2	26.2	25.3	21.5	15.9	17.8	
10 D	12.5	17.9	17.8	9.1	17.2	17.9	16.1	21.5	21.6	28.3	19.8	12.9	14.2	14.2	14.3	18.2	21.3	23.9	25.1	25.3	24.3	23.2	21.3	20.6	19.1	
11	20.7	20.8	20.9	19.0	15.9	18.6	19.5	20.2	23.5	18.0	15.3	12.4	12.3	13.9	18.7	22.4	24.3	25.1	24.5	23.9	23.0	21.0	19.2	19.0	19.7	
12	18.0	18.6	18.6	19.4	20.5	20.1	19.3	24.5	21.2	16.8	15.1	15.0	15.4	14.2	17.7	20.3	21.9	24.4	24.1	24.5	24.5	22.1	21.5	20.7	19.9	
13	19.9	19.5	19.1	20.2	19.5	19.8	18.9	21.4	22.9	17.8	16.8	15.2	14.8	15.9	17.7	20.2	22.8	25.1	24.6	24.0	23.2	21.9	20.9	20.5	20.2	
14	20.6	20.4	20.2	20.3	18.7	18.9	19.0	19.9	19.2	9.4	15.9	13.8	12.4	12.9	16.9	20.9	23.3	24.1	24.6	25.5	22.8	21.6	20.4	21.3	19.3	
15	20.9	17.4	17.4	14.9	19.7	19.0	19.7	19.4	19.5	16.6	15.2	11.6	8.9	9.5	14.0	20.7	25.7	29.5	28.3	27.6	25.5	22.8	20.9	19.7	19.5	
16	18.8	15.5	18.2	20.6	21.8	21.5	21.2	20.6	20.5	19.1	16.3	13.3	11.9	12.2	14.6	19.0	22.5	25.9	27.9	27.9	25.2	23.3	20.9	18.6	19.9	
17 Q	18.7	20.6	20.6	21.1	20.9	20.9	20.8	19.9	18.6	16.9	14.3	13.6	12.0	12.9	16.5	21.5	26.9	28.8	29.0	27.1	24.7	21.9	20.0	18.8	20.3	
18 Q	18.7	19.6	20.1	20.3	20.9	20.7	20.2	19.7	18.6	16.5	15.0	13.0	12.5	14.3	18.5	24.4	27.7	27.0	26.0	24.1	22.4	21.1	20.1	20.1	20.0	
19 Q	20.0	20.0	20.0	19.8	18.8	18.5	18.5	17.9	18.5	16.6	14.1	12.6	11.0	11.2	13.2	17.2	21.3	25.4	26.1	25.6	24.2	21.9	20.3	19.3	18.9	
20 Q	18.9	19.7	20.1	19.8	19.3	19.7	20.2	20.1	19.7	18.0	13.7	11.6	8.8	9.6	13.9	18.3	23.1	26.0	27.8	27.8	26.4	23.4	21.2	19.7	19.5	
21	19.1	19.9	19.9	20.5	19.8	19.0	19.0	18.5	17.5	16.0	14.2	11.1	8.6	7.1	9.8	17.6	25.3	25.0	25.8	29.5	30.7	27.1	23.0	20.5	19.4	
22	20.1	19.0	18.3	19.4	13.7	12.9	17.4	18.8	18.0	16.3	14.0	11.5	10.8	12.0	16.7	21.9	26.4	28.8	29.6	27.7	26.2	23.8	21.3	18.6	19.3	
23 D	17.9	18.6	18.1	16.7	15.2	18.6	19.9	20.6	26.0	20.7	14.1	12.0	10.9	12.9	14.5	15.8	19.5	25.7	28.5	27.8	24.2	25.2	23.2	19.6	19.4	
24	18.6	21.3	22.0	21.4	21.4	20.8	20.9	19.8	18.4	18.9	18.6	15.5	13.7	14.9	17.1	21.1	26.0	28.1	28.3	27.1	26.0	25.1	21.9	18.1	21.0	
25	18.4	18.0	20.8	20.9	19.8	15.4	17.6	16.7	17.7	17.3	15.0	21.4	11.6	11.0	12.2	15.6	19.6	22.7	26.8	29.4	27.1	24.7	22.0	20.5	19.3	
26	20.4	20.9	20.6	20.2	19.6	19.8	20.1	20.6	19.9	17.8	15.9	13.4	12.5	13.2	16.3	20.3	24.2	26.8	25.7	26.1	26.0	25.6	25.4	22.0	20.6	
27 D	15.8	16.4	19.1	13.6	17.9	16.7	17.3	14.6	15.5	13.2	7.0	10.0	7.8	11.3	15.3	17.1	23.0	26.6	30.1	30.1	26.0	23.7	23.5	20.8	18.0	
28 D	21.4	21.7	18.6	17.2	14.7	18.9	20.8	16.6	16.4	25.3	17.0	12.0	10.7	10.1	16.6	19.7	22.4	25.6	27.5	28.1	26.6	23.7	21.0	20.8	19.7	
29	20.8	17.7	15.0	13.9	20.4	20.6	19.6	19.0	24.5	17.6	13.6	15.9	15.5	16.0	15.5	19.4	26.2	29.7	31.1	31.4	28.0	23.8	20.5	18.3	20.6	
30	17.7	19.9	20.1	14.7	14.6	17.5	20.3	17.2	21.9	22.0	14.1	10.9	11.6	10.4	12.7	17.8	25.1	28.1	28.8	26.3	24.9	23.7	22.4	21.1	19.3	
31																										
Mean	19.4	19.3	19.4	18.8	18.7	19.1	19.5	19.7	20.1	18.4	15.2	13.2	12.0	12.8	15.5	19.6	23.9	26.1	26.6	26.4	25.2	23.2	21.5	19.9	19.7	

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

Table 18 Agincourt

Z = 56,000 γ +

June 1962

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	165	159	155	128	146	142	141	146	135	146	144	144	148	149	149	148	149	154	159	161	167	170	179	178	153	
2	172	158	155	155	152	142	149	153	156	159	159	156	150	148	151	148	149	149	151	156	162	161	165	162	155	
3	159	156	155	155	155	155	156	155	155	156	157	156	154	150	145	142	147	147	140	144	153	156	162	166	153	
4	173	173	162	160	155	155	153	139	143	143	136	136	142	153	153	153	151	137	147	157	161	174	178	184	155	
5	174	167	162	161	161	158	150	153	151	148	154	151	151	150	143	142	144	155	165	173	177	178	179	186	161	
6	185	190	188	175	168	164	131	123	147	157	156	158	160	154	147	143	151	157	161	162	166	166	166	160	160	
7	158	155	154	154	154	154	149	138	142	138	142	145	150	149	148	149	154	160	164	167	169	168	162	158	153	
8 Q	155	155	154	154	153	150	145	148	150	155	155	150	149	148	148	149	154	156	154	155	150	150	150	155	152	
9 D	154	152	155	155	127	99	127	137	137	115	132	138	137	136	133	141	143	142	156	165	174	171	179	191	146	
10 D	187	174	167	144	121	100	110	113	135	108	100	128	127	132	135	143	150	153	160	161	161	157	155	155	141	
11	155	155	155	151	132	131	141	150	141	149	150	146	144	146	146	143	144	144	145	150	150	157	163	163	148	
12	160	152	150	150	149	149	150	134	133	146	149	146	142	144	143	144	146	144	155	155	150	154	158	157	148	
13	156	152	152	152	144	142	136	137	143	149	150	150	150	145	144	143	143	142	144	151	151	149	147	150	147	
14	150	149	150	150	144	127	144	150	150	150	150	148	144	139	142	139	142	145	152	158	164	167	169	169	150	
15	164	165	157	139	126	139	146	148	148	147	146	140	138	134	129	126	132	137	139	149	153	158	156	152	145	
16	153	154	151	148	147	147	147	147	146	147	151	154	152	156	149	141	139	144	151	156	154	152	154	154	150	
17 Q	149	147	147	147	146	145	145	146	147	149	150	148	147	147	147	145	139	135	139	139	140	143	144	145	145	
18 Q	151	152	148	149	147	146	146	146	146	150	151	149	146	146	148	152	145	144	139	141	146	146	148	147	147	
19 Q	147	146	147	147	143	140	144	146	148	150	151	149	151	148	144	140	143	146	146	149	152	155	155	151	147	
20 Q	148	148	148	145	145	146	146	143	139	140	144	141	136	137	138	145	143	140	138	140	148	155	157	153	144	
21	149	146	146	146	143	144	144	145	146	146	147	145	141	140	144	143	139	137	140	143	151	159	162	162	146	
22	172	172	170	160	130	87	129	149	151	153	152	150	149	149	149	149	149	154	157	156	153	151	153	159	150	
23 D	161	160	154	155	134	145	147	148	123	127	144	148	149	149	141	138	146	153	156	187	186	191	178	173	154	
24	161	158	155	153	150	146	139	138	147	151	153	154	153	149	149	143	142	142	142	148	155	153	158	160	150	
25	157	154	153	143	142	139	120	143	150	153	154	153	147	145	148	137	137	142	143	143	150	153	154	154	146	
26	148	147	146	147	147	147	147	146	148	148	148	145	142	144	145	142	140	142	147	156	154	154	150	153	147	
27 D	159	148	153	130	102	96	119	64	68	75	93	103	101	108	121	130	140	144	152	156	164	173	167	167	126	
28 D	162	165	155	144	132	141	88	129	128	112	126	135	138	133	141	144	147	151	151	155	160	171	185	174	144	
29	169	158	146	140	151	141	140	141	134	140	146	141	134	130	130	137	140	143	151	154	157	160	166	167	147	
30	162	155	152	149	135	101	116	131	132	141	143	143	143	145	147	143	140	134	133	140	150	152	155	155	142	
31																										
Mean	161	157	155	150	143	137	138	140	141	142	144	145	144	143	143	143	144	146	149	154	158	160	162	162	148	

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

Table 19 Agincourt

H = 15,000 γ +

July 1962

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	946	946	951	955	960	952	950	950	949	952	944	938	944	939	931	934	936	943	956	970	980	976	970	960	951
2	950	946	946	952	953	953	952	954	945	938	940	945	936	931	922	916	920	932	943	954	973	985	973	944	946
3	926	934	937	939	940	943	945	950	947	947	947	943	941	936	923	911	917	938	959	970	969	966	961	956	944
4 D	953	952	944	942	945	961	961	962	953	956	956	946	926	921	931	927	941	952	955	965	997	961	962	972	952
5 D	936	944	944	957	954	907	915	961	945	942	946	942	940	925	929	932	937	952	959	978	960	959	954	958	945
6	967	953	958	940	921	933	950	962	953	945	925	940	941	938	930	933	939	942	945	955	963	966	952	953	946
7	954	952	953	954	955	956	956	956	958	953	954	957	951	941	940	938	940	948	955	959	966	971	962	964	954
8	964	959	953	951	941	947	955	952	960	957	952	945	940	935	931	929	924	925	934	937	950	948	963	963	946
9 Q	956	956	951	948	951	945	955	954	955	951	946	945	943	940	939	943	941	947	956	955	951	954	953	957	950
10	957	954	957	955	953	954	951	955	957	958	957	955	945	931	940	943	946	957	978	983	975	966	961	957	956
11	955	959	957	953	950	958	954	961	955	955	955	953	943	937	938	938	937	948	970	982	976	976	960	952	955
12	953	955	956	954	951	956	962	954	961	960	954	954	949	935	925	939	950	961	965	970	975	977	974	964	956
13	962	951	954	941	937	944	953	955	950	951	949	944	945	949	940	930	919	930	954	959	952	958	959	949	947
14	945	942	935	942	946	948	946	939	949	946	943	942	938	933	918	921	924	942	960	964	963	954	956	953	944
15	949	940	936	948	951	953	953	952	949	948	947	946	941	931	928	932	938	947	959	970	971	967	970	964	950
16 Q	947	948	948	948	948	948	950	950	947	948	948	946	940	933	926	930	940	948	958	967	967	967	964	959	949
17 Q	956	956	955	954	953	957	955	955	955	955	955	952	940	933	926	927	937	947	960	967	970	969	968	957	952
18 C	958	956	949	949	952	952	955	953	955	954	952	947	938	933	931	935	944	961	969	969	967	967	964	964	953
19	962	963	970	967	966	962	957	958	952	951	947	946	947	940	946	943	942	946	951	968	967	967	966	977	957
20	971	952	951	934	936	929	929	916	943	940	939	931	934	930	915	914	920	921	933	950	961	973	965	968	940
21	952	942	939	945	951	953	950	949	948	944	944	945	939	929	915	920	924	924	935	960	958	970	962	960	944
22	936	932	944	944	944	938	945	936	934	938	939	939	939	920	909	900	907	917	932	950	981	963	960	956	938
23	950	951	950	945	949	948	937	933	931	941	941	941	933	930	928	923	923	929	940	948	953	952	951	949	941
24	939	928	933	943	945	947	949	949	949	952	953	949	939	924	914	917	920	935	924	953	955	958	943	936	940
25	915	908	892	902	915	908	917	918	931	942	941	937	937	935	928	923	927	940	957	968	968	965	963	972	934
26 D	979	983	998	980	978	947	879	786	904	897	851	891	922	895	876	872	895	927	932	952	948	943	947	948	922
27 D	960	942	920	934	944	937	932	929	927	934	931	929	921	912	891	887	918	930	947	947	945	933	936	950	931
28 D	975	943	952	931	926	932	930	917	942	936	932	926	916	917	908	896	907	939	944	955	958	948	947	937	934
29	936	949	945	929	936	941	939	934	936	933	936	931	927	921	911	904	908	924	941	949	951	945	947	947	934
30 Q	949	953	960	945	937	945	943	942	937	937	937	935	932	927	914	904	907	918	930	935	944	949	953	952	937
31	946	946	946	943	949	949	950	948	948	948	948	948	943	930	925	924	930	941	954	961	978	948	967	967	947
Mean	952	948	948	946	946	945	944	942	946	945	942	942	938	930	923	922	928	939	950	960	964	961	959	957	945

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 20 Agincourt

D = 7° W + ...'

July 1962

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1	20.8	20.4	20.8	18.2	18.4	20.2	20.4	20.6	23.1	22.0	16.3	16.8	16.1	13.9	17.2	23.9	28.6	30.0	29.5	27.5	24.8	22.7	20.7	19.9	21.0
2	18.9	18.2	19.4	19.9	19.7	19.3	19.8	19.7	17.7	16.7	13.3	11.8	9.4	9.5	12.8	18.4	23.7	26.7	29.8	30.5	28.2	24.6	22.7	21.9	19.7
3	21.5	20.5	20.4	20.1	20.7	20.7	21.3	25.8	23.0	18.7	14.6	12.1	8.6	9.6	13.1	18.4	23.4	27.9	28.4	26.2	24.8	18.6	20.9	19.2	20.1
4 D	18.9	18.5	17.0	13.9	13.9	21.8	18.3	18.6	17.6	17.5	13.1	13.8	12.1	11.8	17.2	19.6	25.2	25.9	26.7	25.6	23.0	19.7	19.9	18.9	18.7
5 D	19.9	19.8	19.4	10.3	13.7	12.2	27.9	18.3	18.1	23.5	16.0	11.1	11.6	15.0	15.1	17.8	21.5	22.8	23.7	22.5	23.1	21.3	23.1	21.8	18.7
6	20.2	15.6	11.4	14.7	13.5	14.2	13.9	19.9	19.6	18.4	24.0	19.8	14.2	14.1	16.3	19.4	21.8	23.7	26.1	24.0	23.7	22.1	22.0	21.0	18.9
7	20.1	20.6	20.3	18.7	18.7	19.0	19.1	19.4	18.5	21.2	19.2	16.0	14.9	15.6	17.2	19.5	22.4	25.0	27.1	28.4	25.8	23.2	22.5	19.4	20.5
8	20.2	19.5	18.6	13.1	16.2	20.0	23.9	24.5	20.6	16.6	14.9	13.9	13.0	13.3	14.0	16.5	20.5	22.6	23.5	23.8	23.9	23.8	20.5	19.5	19.0
9 Q	19.4	19.3	17.6	15.9	16.6	16.6	20.3	19.8	21.1	18.5	17.9	19.3	16.0	16.0	17.8	20.0	21.6	22.9	23.6	23.8	23.8	22.6	22.1	21.4	19.6
10	21.0	20.8	20.7	20.3	19.5	19.4	19.6	20.4	20.8	18.0	16.0	15.3	15.6	16.4	19.0	20.9	22.2	24.0	25.0	25.5	24.0	22.6	21.3	20.3	20.4
11	19.3	18.9	18.0	18.1	17.0	16.8	18.0	19.1	17.0	20.1	14.7	13.4	11.9	12.9	15.2	17.9	21.0	24.8	25.6	26.1	24.1	20.9	20.4	20.6	18.8
12	20.0	20.1	19.8	18.5	17.8	22.6	21.2	19.2	21.1	19.5	15.5	14.4	14.0	14.9	17.7	22.6	27.4	28.5	28.4	27.1	24.4	21.7	19.9	19.4	20.6
13	18.1	18.8	14.4	17.7	17.4	19.1	20.6	18.3	18.7	18.0	15.7	14.8	14.1	13.9	13.4	15.7	19.3	26.3	26.8	27.4	26.1	22.4	20.5	17.7	19.0
14	18.8	14.6	17.1	16.3	17.5	16.8	20.5	17.2	18.8	16.8	15.6	15.0	15.1	15.6	16.4	22.0	25.6	28.7	26.4	24.9	23.7	21.4	19.2	19.8	19.3
15	17.1	14.3	18.0	19.6	20.2	20.0	19.2	19.1	18.6	17.2	15.1	13.4	12.9	13.1	16.5	19.2	22.8	25.4	26.3	25.6	23.2	21.4	20.4	20.2	19.2
16 Q	19.8	19.2	19.0	16.6	17.1	18.8	19.1	19.1	18.2	16.9	15.1	22.4	13.1	13.4	14.7	18.7	21.2	22.9	23.2	23.1	22.4	21.1	20.1	20.0	19.0
17 Q	20.2	20.5	20.2	20.1	19.6	19.3	19.0	18.7	18.0	17.4	15.1	14.2	13.2	13.3	14.1	17.9	22.5	24.6	25.5	24.6	22.6	21.1	19.6	20.5	19.2
18 Q	19.9	19.6	20.5	20.3	20.1	20.2	19.9	19.2	18.5	17.1	14.7	12.8	11.6	12.5	14.4	19.4	23.6	23.7	23.9	23.2	22.5	21.3	20.8	20.3	19.1
19	20.3	20.3	20.3	19.9	19.3	19.1	17.4	17.7	17.9	16.2	12.9	11.9	12.0	9.8	14.5	18.7	21.0	24.8	27.5	27.9	28.5	24.9	22.8	20.5	19.4
20	20.7	20.3	19.1	15.3	14.3	10.1	16.9	29.1	22.7	18.6	11.6	7.9	7.7	8.7	12.4	17.9	20.6	23.9	27.1	25.4	22.3	21.5	21.3	20.3	18.2
21	19.8	19.4	17.3	19.4	18.2	18.7	17.9	18.5	18.0	18.0	16.0	15.0	13.5	13.4	16.3	19.0	21.1	23.5	25.9	25.3	25.1	23.7	19.8	20.1	19.3
22	19.2	19.5	20.7	18.2	17.4	17.2	19.8	14.1	14.3	15.9	15.4	13.3	11.4	12.6	14.4	16.3	20.4	25.0	26.8	26.4	25.1	22.6	17.9	18.6	18.4
23	20.1	20.6	20.5	19.9	18.3	14.3	11.9	15.5	17.8	22.5	15.4	13.7	13.1	14.3	16.5	18.9	20.6	22.5	23.5	22.3	23.7	23.7	21.2	19.8	18.8
24	18.6	18.4	17.8	20.2	20.0	19.3	19.6	18.9	18.5	16.7	14.8	13.0	11.5	12.6	16.9	21.5	24.9	22.9	27.3	23.4	23.7	23.5	22.4	18.8	19.4
25	13.2	11.8	12.6	13.2	13.2	13.4	19.0	15.7	18.8	17.9	17.0	18.3	18.8	16.6	18.2	21.5	23.7	23.6	22.5	21.2	21.0	19.2	19.5	20.2	17.9
26 D	21.1	20.8	20.6	20.6	19.1	.4	14.4	12.4	16.8	10.5	10.6	14.1	9.5	10.8	20.6	23.6	27.1	28.3	25.8	24.3	23.6	21.9	15.3	20.4	18.0
27 D	9.1	8.5	13.2	19.4	23.3	19.4	22.4	23.2	22.6	16.7	14.2	14.1	14.3	18.5	23.4	26.1	27.1	26.8	23.4	22.4	21.3	21.2	20.1	20.0	19.6
28 D	14.3	16.6	16.2	14.6	16.8	21.4	17.8	25.7	17.7	16.5	15.5	16.1	18.5	18.9	19.2	22.3	25.4	25.8	25.4	24.1	22.7	19.3	18.9	18.9	19.5
29	19.6	12.8	17.7	19.2	21.1	20.2	19.3	24.3	17.9	16.5	15.0	13.6	12.6	12.8	15.6	20.5	25.0	27.0	27.7	25.2	22.5	20.9	19.9	20.1	19.5
30 Q	20.6	21.0	15.8	17.7	19.5	20.0	22.9	19.0	18.4	17.4	16.3	14.4	14.1	15.3	17.7	21.8	25.7	27.0	26.3	21.0	22.1	20.2	19.3	18.7	19.9
31	19.6	20.0	19.7	19.2	18.9	19.5	18.9	18.8	18.3	17.4	16.6	14.4	14.0	14.2	17.0	19.8	22.1	25.9	26.9	27.8	24.0	26.5	20.4	19.5	20.0
Mean	19.0	18.4	18.2	17.7	18.0	17.7	19.4	19.7	19.0	17.9	15.4	14.5	13.2	13.6	16.3	19.9	23.2	25.3	26.0	25.0	23.9	22.0	20.5	19.9	19.3

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

Table 21 Agincourt

$z = 56,000 \gamma +$

July 1962

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	152	151	150	146	135	136	141	143	142	131	139	144	141	144	147	149	147	145	143	145	151	159	162	161	146
2	161	156	155	151	147	143	144	132	141	147	151	154	145	144	142	147	146	144	145	150	160	173	179	185	152
3	179	170	163	157	153	152	150	136	133	144	150	152	150	146	142	140	142	136	130	137	145	153	152	154	149
4 D	152	154	152	144	138	126	125	134	140	143	144	138	134	134	133	134	133	141	147	156	170	194	191	187	148
5 D	180	163	158	126	102	103	84	124	120	130	144	142	144	146	145	141	138	135	139	150	152	161	158	155	139
6	155	153	140	123	122	109	123	128	123	136	134	136	145	147	148	148	152	155	154	156	152	156	156	156	142
7	156	155	153	149	147	145	145	145	145	144	139	144	144	140	135	131	135	146	153	157	151	154	157	163	147
8	157	154	153	143	145	137	121	103	127	142	145	141	139	138	134	134	132	127	132	134	142	150	162	168	140
9 Q	162	156	152	145	140	139	135	134	140	144	145	145	145	146	144	140	136	133	137	141	145	146	146	149	144
10	151	149	148	145	144	142	144	144	140	144	145	145	144	146	146	142	139	145	146	144	148	147	148	148	145
11	151	151	150	146	143	137	135	128	132	138	142	145	140	140	139	138	137	142	145	146	145	151	156	155	143
12	152	148	146	146	146	130	116	137	135	135	145	145	141	141	141	147	153	149	147	149	153	153	153	152	144
13	152	152	141	141	143	147	141	146	147	148	147	142	134	132	133	135	135	144	152	154	165	169	175	177	148
14	171	160	147	150	148	127	109	123	141	147	150	150	149	145	143	143	149	150	143	147	156	158	165	164	147
15	163	158	155	155	153	152	150	149	152	152	152	153	149	146	139	135	140	141	147	154	156	154	157	160	151
16 Q	158	154	148	147	146	148	148	148	149	150	152	151	147	145	145	141	145	144	145	146	146	148	152	152	148
17 Q	149	148	146	147	147	146	146	146	146	147	149	150	148	146	148	149	152	157	154	151	153	157	156	150	149
18 Q	150	150	150	149	147	147	146	146	147	147	149	147	144	143	147	146	147	141	139	141	148	151	149	147	147
19	146	144	145	143	142	142	144	146	141	141	135	134	125	122	129	135	133	130	134	147	155	165	163	160	142
20	159	165	164	159	134	123	136	108	97	122	144	144	147	146	147	143	146	150	151	157	160	155	157	144	
21	162	165	166	154	135	135	147	149	150	147	147	147	148	148	145	141	145	144	154	158	159	165	169	169	152
22	165	160	154	152	151	150	135	125	135	147	153	154	152	146	135	133	132	135	146	152	147	152	160	158	147
23	155	152	149	147	147	133	113	116	133	123	133	139	138	141	147	152	152	147	147	158	171	172	170	164	146
24	161	160	160	157	153	150	150	146	148	149	150	147	144	143	142	141	146	155	158	177	188	196	203	204	160
25	208	161	160	157	115	135	97	110	132	138	140	145	148	152	153	149	147	145	148	157	158	160	157	153	147
26 D	149	147	147	145	144	93	24	8	32	99	73	99	134	136	144	152	160	165	171	174	165	175	183	170	129
27 D	175	143	140	127	124	127	134	143	143	154	156	155	154	149	147	148	164	161	166	160	166	171	177	179	153
28 D	149	147	119	135	86	94	110	108	146	152	154	152	143	143	139	141	149	149	151	160	168	177	179	177	143
29	169	152	144	157	157	152	142	136	146	153	154	152	152	148	146	144	145	146	146	152	157	160	161	159	151
30 Q	156	156	146	139	149	139	123	142	148	151	151	154	153	153	149	146	151	152	153	157	159	162	162	157	150
31	152	151	151	149	148	149	149	149	149	149	149	150	150	149	145	134	130	134	140	149	167	169	164	153	149
Mean	160	154	150	146	140	135	129	130	135	142	144	145	144	143	143	142	144	145	147	152	157	162	164	163	146

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

Table 22 Agincourt

H = 15,000 γ +

August 1962

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	971	922	902	923	948	897	929	908	918	836	906	935	922	904	897	903	912	928	943	949	968	962	963	949	924
2	937	932	935	937	954	941	938	941	942	941	941	934	924	922	907	898	903	915	929	938	947	948	947	947	933
3	945	937	942	939	933	928	940	942	942	937	937	929	908	908	913	913	918	928	951	958	955	947	958	948	936
4	948	946	943	943	946	942	939	947	950	942	942	937	932	923	911	913	927	941	949	954	954	953	951	945	941
5	945	947	945	943	944	945	947	953	954	948	932	927	937	927	919	907	921	932	942	960	960	955	953	951	941
6	954	946	944	948	958	944	933	925	944	952	948	933	924	942	929	904	915	934	949	959	953	958	948	956	942
7	942	944	944	946	949	939	951	952	946	942	945	940	925	934	933	939	938	929	949	976	956	970	953	953	946
8 D	949	922	930	932	942	950	959	938	897	950	950	934	917	902	905	913	908	934	950	957	963	989	953	947	937
9	945	921	924	930	944	946	946	951	939	939	934	936	930	909	903	910	909	925	936	946	960	954	957	948	935
10	937	944	945	950	943	934	939	952	951	936	931	934	925	925	915	915	917	935	950	956	960	957	956	950	940
11 Q	944	946	945	947	947	948	947	946	947	946	946	940	929	914	908	920	936	951	959	959	959	954	951	949	943
12 Q	951	954	952	952	951	951	951	950	950	950	949	941	932	919	912	925	940	950	956	961	962	961	954	952	947
13 Q	956	960	960	961	957	956	956	954	954	952	950	944	931	917	909	914	928	945	957	971	986	976	981	955	951
14	962	965	965	963	954	956	975	956	958	960	956	950	936	936	923	920	936	950	966	967	958	964	958	953	954
15	958	957	947	953	957	929	901	930	914	947	941	943	930	914	899	899	906	923	952	966	976	968	967	969	939
16	931	911	922	942	946	936	931	946	946	944	943	939	932	922	922	933	942	961	976	973	965	1004	972	972	946
17 D	933	943	947	941	941	947	944	936	947	936	937	935	926	917	899	892	900	931	946	977	965	982	965	927	938
18	939	926	936	946	952	984	934	939	931	933	940	940	928	912	905	910	911	926	943	955	962	957	948	957	938
19	935	948	947	952	941	926	941	933	940	940	936	942	933	916	899	905	910	925	934	952	963	962	956	953	937
20 Q	948	950	952	951	951	951	951	951	948	947	947	943	931	916	906	907	921	932	947	958	964	963	967	955	944
21	949	953	953	952	952	952	951	951	952	956	956	952	943	929	919	930	943	957	972	981	989	979	987	962	955
22 D	960	934	927	949	944	939	937	937	944	945	942	936	926	912	919	916	927	940	947	969	949	949	957	960	940
23	952	944	954	954	947	947	940	939	940	941	935	936	929	922	916	906	918	937	941	953	953	958	962	951	941
24	951	947	962	952	940	945	952	931	944	932	932	935	931	902	927	936	941	938	948	959	965	963	939	949	943
25	952	951	950	962	960	953	947	941	941	947	952	947	936	924	918	923	931	942	969	975	973	956	957	957	949
26	945	946	953	954	952	957	958	951	947	949	952	942	934	930	926	926	934	948	962	962	961	958	953	952	948
27	957	952	958	954	956	961	956	954	955	954	954	951	939	922	913	910	918	931	944	952	957	959	959	957	947
28 Q	957	962	955	957	961	957	958	957	956	956	957	952	941	918	915	921	926	932	943	953	961	965	967	967	950
29	964	963	962	957	961	957	937	933	956	953	955	950	936	917	915	915	921	936	952	976	971	973	962	943	949
30	947	940	941	944	944	948	941	931	946	943	948	945	928	915	900	916	919	941	945	962	963	963	958	961	941
31 D	954	935	913	920	878	917	902	915	887	935	946	946	916	925	923	916	915	924	940	954	958	961	956	946	928
Mean	949	943	944	947	947	945	943	942	941	942	943	940	929	919	913	915	922	936	950	961	962	963	959	953	942

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 23 Agincourt

D = 7° W + ...'

August 1962

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	17.4	3.7	6.1	12.2	12.0	15.2	14.1	24.5	27.8	38.9	17.9	14.7	10.5	13.1	17.7	17.8	27.9	28.0	27.7	26.3	20.7	19.1	18.0	13.8	18.5	
2	15.6	19.6	19.5	17.6	20.0	19.5	17.7	18.4	17.8	17.7	14.9	13.1	11.8	11.8	14.8	19.5	21.8	25.8	27.5	25.3	23.4	21.2	19.3	18.3	18.8	
3	18.5	18.2	18.7	18.5	21.3	19.4	17.5	22.5	19.5	17.4	15.4	13.2	14.9	16.6	19.0	22.1	25.9	28.0	27.5	25.9	24.5	21.4	18.1	18.8	20.1	
4	19.2	19.6	18.8	16.1	17.7	18.0	20.5	23.5	19.2	17.6	15.9	15.3	13.7	13.7	17.2	23.7	28.0	29.5	27.6	25.2	22.8	20.5	18.8	18.5	20.0	
5	19.2	19.4	16.0	18.4	18.9	19.6	22.6	23.3	17.5	16.4	19.4	16.5	14.1	13.9	17.7	22.6	26.6	28.0	26.7	23.3	21.1	19.1	18.3	19.1	19.9	
6	18.6	18.7	18.6	18.8	17.6	10.4	8.6	13.6	26.0	15.4	14.1	13.0	18.8	19.0	15.5	20.5	25.2	25.3	24.2	21.4	23.0	22.1	20.8	19.3	18.7	
7	11.9	14.1	19.9	17.9	18.4	15.5	18.8	18.3	18.7	18.8	19.1	17.6	17.6	17.0	18.8	19.9	27.3	25.7	26.5	25.2	25.1	22.2	17.6	18.8	19.6	
8 D	18.9	11.6	17.1	14.8	18.4	26.4	24.0	16.4	40.0	19.8	13.8	12.9	13.9	16.5	17.6	21.6	28.0	27.1	27.1	24.7	22.8	20.3	18.4	17.4	20.3	
9	18.5	6.5	7.8	17.3	18.8	19.3	28.0	21.3	25.7	22.1	21.4	15.9	13.4	14.9	17.2	18.7	21.0	22.8	24.0	24.5	23.2	19.0	19.3	18.3	19.1	
10	13.8	17.1	19.4	19.7	21.5	15.6	17.1	26.1	19.3	17.1	20.0	20.2	16.3	16.8	17.6	17.6	25.5	27.1	28.2	25.6	23.5	22.1	20.9	18.7	20.2	
11 Q	19.4	19.6	18.7	18.7	19.7	19.7	19.5	18.5	18.7	17.7	16.5	14.8	13.9	14.8	18.1	23.3	25.1	25.9	25.0	23.1	21.1	19.9	19.8	20.4	19.7	
12 Q	21.1	20.9	20.4	20.2	19.0	20.2	19.5	18.4	17.6	16.8	15.8	14.4	15.0	16.3	21.0	26.5	30.6	30.9	27.8	24.5	21.4	19.2	18.2	18.8	20.6	
13 Q	20.0	20.6	20.5	20.5	19.9	19.5	18.1	17.6	17.2	16.5	15.2	14.1	11.2	11.9	15.3	21.1	25.2	28.0	28.9	26.1	22.8	20.4	18.4	19.2	19.5	
14	20.1	20.5	20.2	21.4	17.0	18.6	18.5	16.4	16.2	15.2	13.2	11.5	12.2	14.5	17.4	22.7	26.0	29.2	29.5	29.4	28.4	25.2	22.9	20.1	20.3	
15	20.9	21.0	17.9	21.0	20.6	31.0	14.9	26.2	33.9	17.3	12.9	10.9	11.1	13.7	17.7	23.5	26.6	29.9	29.0	27.3	25.2	24.1	22.1	22.3	21.7	
16	15.1	9.5	10.3	19.5	19.7	16.3	23.5	23.3	15.4	15.0	13.8	12.0	12.0	13.6	16.8	20.0	22.9	24.6	24.9	25.8	25.5	25.2	21.1	20.7	18.6	
17 D	20.9	19.3	16.7	14.3	20.6	20.4	18.5	22.5	21.4	14.4	13.3	12.2	12.3	10.0	12.5	20.7	26.6	27.5	28.9	28.9	27.1	26.2	19.6	22.4	19.9	
18	20.9	14.9	16.3	17.2	20.5	30.5	28.2	21.4	17.0	17.6	13.9	10.9	9.9	11.5	17.8	22.2	27.0	29.7	29.8	28.9	25.7	22.8	20.0	18.1	20.6	
19	5.1	14.8	17.9	18.7	15.4	24.9	24.7	24.8	25.2	21.6	22.4	13.2	9.7	9.6	15.0	21.3	25.4	27.8	28.3	26.6	24.4	23.0	19.3	16.9	19.9	
20 Q	17.7	19.4	17.8	19.8	19.8	20.1	19.7	19.6	19.5	18.7	17.0	14.3	12.1	12.5	14.5	18.7	22.5	26.5	27.4	25.6	23.1	21.0	19.9	19.8	19.4	
21	20.9	20.8	20.3	20.8	20.9	20.2	19.4	19.3	18.7	17.7	15.7	13.8	12.8	13.8	16.5	20.7	23.4	25.1	25.4	25.1	23.4	22.6	22.4	23.9	20.2	
22 D	16.8	15.7	15.9	13.5	20.8	17.7	20.4	34.2	14.4	11.0	9.5	9.1	8.4	12.2	17.6	21.5	23.8	25.1	25.9	25.4	27.1	24.0	25.4	19.9	19.0	
23	14.0	20.9	17.1	17.9	18.0	20.6	20.9	18.4	19.7	15.1	14.8	17.0	11.5	14.9	16.5	20.2	23.2	25.9	25.9	24.3	23.7	21.9	21.5	20.6	19.4	
24	20.1	19.6	17.8	16.0	14.2	19.3	20.9	33.0	14.7	15.6	16.8	17.6	17.5	20.2	22.6	25.4	25.5	27.7	28.3	25.3	23.1	21.5	19.7	19.7	20.9	
25	10.1	17.0	20.3	21.9	20.5	19.9	17.9	20.8	23.1	20.2	16.7	14.4	14.3	15.4	19.1	24.0	26.3	27.7	25.9	24.5	22.8	21.4	20.9	18.7	20.2	
26	20.3	20.8	20.2	18.3	20.4	22.1	23.9	20.0	21.4	19.4	16.8	16.2	17.2	16.9	18.4	22.4	25.5	27.0	25.5	24.2	21.7	19.9	19.6	20.2	20.8	
27	18.0	17.0	20.2	20.2	20.9	23.4	23.1	20.6	18.5	17.6	16.7	15.0	13.7	14.3	17.9	21.3	26.8	29.8	29.8	27.5	24.2	21.5	19.9	19.5	20.8	
28 Q	20.3	20.2	19.2	18.4	20.8	20.1	19.6	19.1	18.6	17.1	16.2	14.0	12.8	13.3	18.7	22.7	26.0	28.2	28.1	26.9	23.7	21.1	19.7	19.7	20.2	
29	20.3	20.2	19.7	17.7	15.9	19.9	18.0	16.3	14.5	10.9	9.5	9.1	9.4	10.3	15.9	22.4	25.4	29.4	29.7	28.8	28.0	26.8	23.9	21.7	19.3	
30	20.2	16.6	18.3	17.8	20.7	24.1	18.4	21.4	17.4	16.6	15.3	13.4	13.3	16.2	22.0	25.9	29.2	29.4	27.9	23.5	20.9	17.9	17.2	18.7	20.1	
31 D	16.3	4.4	12.8	8.0	7.3	17.6	20.0	29.0	31.7	23.6	11.4	10.3	19.5	21.6	22.6	25.4	27.9	28.6	27.1	24.8	21.7	19.0	19.1	19.8	19.6	
Mean	17.7	16.8	17.4	17.8	18.6	20.2	19.9	21.6	20.8	18.0	15.7	13.9	13.4	14.5	17.6	21.8	25.7	27.5	27.3	25.6	23.7	21.7	20.0	19.4	19.9	

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

Table 24 Agincourt

z = 56,000 γ +

August 1962

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	157	185	157	139	46	89	92	59	43	7	31	96	146	135	142	145	146	151	156	162	175	178	187	189	126
2	176	169	164	156	126	134	146	151	151	153	154	153	155	154	154	151	153	157	159	164	164	165	163	160	155
3	156	156	154	150	126	122	132	143	146	151	151	148	150	157	157	150	151	152	154	156	160	166	170	161	151
4	154	152	151	145	140	142	134	134	133	145	149	151	147	146	145	145	145	145	145	146	149	153	156	153	146
5	150	148	145	144	144	144	132	114	131	143	133	132	126	128	130	139	145	145	144	151	156	158	155	151	141
6	152	152	155	155	144	109	94	113	118	130	136	135	122	124	130	131	141	141	143	150	153	163	169	173	139
7	173	158	158	147	123	140	126	139	142	144	145	140	137	140	142	139	139	147	161	168	161	172	169	161	148
8 D	158	157	133	141	141	107	106	96	21	76	132	138	140	133	132	130	132	133	146	155	156	172	185	177	133
9	162	160	138	149	146	124	76	92	112	124	134	141	138	138	138	137	136	143	150	155	159	163	158	159	139
10	157	149	147	125	119	132	131	110	106	124	135	132	139	148	146	146	149	152	149	149	150	150	151	149	139
11 Q	149	149	146	143	144	146	146	146	146	147	149	149	149	147	144	141	139	141	146	149	149	147	147	144	146
12 Q	144	143	143	144	143	141	139	142	143	144	144	145	147	145	139	137	138	142	149	154	155	155	155	149	145
13 Q	147	144	143	143	143	143	143	143	143	143	144	143	138	137	139	136	137	143	149	148	149	147	151	148	144
14	143	142	140	129	124	137	142	142	142	142	142	142	140	135	134	132	127	130	139	143	145	150	153	155	140
15	150	154	157	154	140	43	56	82	63	124	143	151	147	148	147	146	148	150	154	155	161	167	168	192	138
16	196	177	155	156	148	126	101	96	143	150	150	148	148	143	142	140	137	135	143	154	156	177	185	204	151
17 D	193	160	154	145	154	148	142	125	123	137	157	151	148	144	144	147	149	150	154	160	167	178	202	173	154
18	159	161	154	146	135	67	28	86	112	141	153	153	149	143	142	134	142	148	148	148	154	157	159	160	137
19	156	146	146	121	107	82	81	93	103	123	130	142	143	142	142	143	147	148	152	154	159	158	161	160	135
20 Q	152	149	146	144	144	145	145	144	143	145	148	148	149	149	148	143	143	145	150	154	154	154	154	154	148
21	153	150	148	148	148	148	148	148	147	146	148	148	149	151	145	142	143	148	148	149	154	148	161	173	150
22 D	218	202	182	148	124	150	143	33	97	145	148	145	140	140	139	144	144	146	156	166	166	184	172	172	149
23	162	175	140	118	148	147	129	124	131	145	147	145	136	135	138	138	146	150	156	160	157	154	154	154	145
24	154	158	136	130	137	149	137	75	106	135	143	146	139	149	151	145	144	149	157	157	159	164	167	167	144
25	161	148	148	123	112	132	137	143	141	148	147	142	144	148	149	152	151	154	161	161	167	167	167	164	149
26	154	154	148	142	146	135	122	141	142	144	144	144	146	146	147	143	144	148	154	158	155	154	154	150	147
27	149	145	145	145	146	132	133	137	141	143	146	148	144	142	141	137	139	142	147	148	151	153	150	148	144
28 Q	146	146	144	142	141	142	143	143	142	143	146	146	144	143	143	143	143	143	148	154	158	156	153	148	146
29	144	143	143	144	136	107	111	130	148	143	137	142	143	137	134	142	148	148	150	157	167	185	193	179	146
30	161	156	149	149	147	123	117	135	150	153	154	149	142	137	145	150	148	151	154	163	166	161	154	151	149
31 D	163	143	119	76	58	56	34	57	45	89	112	129	129	122	131	142	148	155	161	165	165	164	160	155	120
Mean	160	156	148	140	132	124	118	117	121	133	140	143	142	141	142	141	143	146	151	155	158	162	164	162	143

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

Table 25 Agincourt

H = 15,000 γ +

September 1962

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	941	940	943	949	950	940	932	901	908	900	940	943	939	926	907	899	916	920	946	956	984	940	940	939	933
2 D	946	951	950	934	935	922	916	930	899	956	950	941	920	906	909	913	928	926	939	962	950	966	946	953	935
3 D	949	940	930	910	908	935	945	935	935	938	910	944	958	930	915	928	928	929	936	935	966	972	966	955	937
4 D	921	925	926	966	921	891	894	943	909	919	895	933	937	921	905	897	896	939	953	961	970	966	955	946	929
5	947	946	944	940	939	942	932	933	912	926	935	941	932	921	905	880	890	915	938	946	949	947	940	936	931
6	910	925	924	915	901	916	910	947	953	952	939	924	933	930	917	909	909	918	924	946	952	951	936	928	928
7	933	940	933	935	927	938	942	940	948	942	943	946	936	929	919	914	916	922	935	946	946	950	947	944	936
8	934	945	924	911	928	939	944	944	924	922	925	933	930	929	920	918	919	929	937	950	955	955	955	953	934
9	949	939	939	942	945	950	949	948	949	949	945	935	939	942	924	919	929	943	954	957	954	950	950	948	944
10	935	942	937	934	941	930	939	950	941	945	950	945	935	925	915	919	931	945	958	967	967	964	965	964	943
11	962	954	956	955	955	955	957	951	944	929	938	947	935	918	907	904	916	932	950	967	980	966	957	956	945
12 D	965	965	959	960	964	970	925	671	834	864	842	935	939	913	904	896	875	901	913	981	980	949	965	925	916
13	927	941	935	934	939	939	925	919	922	937	939	933	922	908	897	887	893	897	919	929	961	950	954	946	927
14	945	929	934	939	946	944	946	939	948	946	945	940	930	914	904	903	912	930	946	955	955	951	950	950	938
15	950	950	950	966	949	937	929	939	948	949	945	946	938	923	913	910	918	934	950	953	950	962	960	950	942
16	945	950	950	955	953	947	949	948	950	950	946	945	933	924	915	909	919	926	944	962	955	946	954	948	943
17 Q	950	949	953	951	949	958	957	954	951	953	953	947	931	918	918	918	922	934	949	949	956	962	956	948	945
18 Q	949	953	953	952	953	954	954	954	954	952	952	950	944	934	924	923	929	938	948	958	965	977	968	969	950
19 D	961	964	964	957	946	938	893	870	884	929	935	925	919	913	897	892	898	916	939	944	949	963	934	912	927
20	919	913	938	944	946	944	940	937	940	940	940	928	928	922	913	911	914	923	939	949	950	953	951	935	
21	953	944	940	943	944	938	948	942	944	944	943	941	934	927	924	920	924	948	954	964	958	950	954	954	943
22	955	940	937	948	944	939	944	932	941	944	933	934	940	927	918	935	933	952	957	954	959	954	954	953	943
23	952	953	964	954	931	934	944	934	939	944	940	938	940	934	929	929	940	951	963	964	960	955	948	949	945
24 Q	949	949	944	940	948	944	949	949	949	949	948	943	935	928	924	928	934	944	952	960	960	943	949	952	944
25 Q	953	952	950	950	950	952	953	953	954	957	956	952	947	934	926	919	934	950	959	965	969	964	965	969	951
26	951	908	884	871	914	914	923	908	923	937	942	937	933	925	928	910	897	931	949	948	941	944	940	944	925
27	944	949	955	947	944	941	933	932	936	939	938	938	937	934	928	922	928	944	955	954	951	951	941	948	941
28 Q	949	948	949	944	948	948	947	947	949	949	949	948	945	944	938	943	938	953	969	966	965	963	942	928	949
29	929	930	930	940	937	934	922	938	936	944	936	953	953	934	928	924	928	943	934	944	953	956	930	923	937
30	928	914	898	891	883	879	884	903	906	933	938	943	933	936	933	941	949	958	963	964	958	957	950	954	929
31																									
Mean	943	942	940	939	938	937	934	926	931	938	936	940	936	926	916	914	919	933	946	955	959	956	951	946	938

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

D = 7° W + ...'

September 1962

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	18.6	17.2	19.0	20.5	20.2	19.7	26.0	18.4	25.0	15.6	8.9	9.5	9.9	14.6	19.6	28.7	31.7	34.2	31.9	28.5	23.2	22.6	20.8	19.6	21.0
2 D	19.7	20.2	16.7	-4.1	15.2	15.7	23.6	15.6	30.0	27.5	15.0	11.5	14.0	22.6	24.2	32.0	31.3	30.6	31.2	28.5	23.3	21.1	20.2	18.6	21.0
3 D	19.2	15.6	6.0	10.9	27.5	22.5	17.9	21.9	26.8	25.0	31.6	20.5	10.7	11.3	17.0	20.7	25.4	26.6	27.5	29.8	23.9	23.2	19.5	8.3	20.4
4 D	19.9	20.4	14.2	14.3	12.8	29.0	29.4	29.3	21.0	27.1	31.8	22.1	17.1	14.3	15.7	21.3	24.3	24.2	25.5	24.3	20.1	20.3	19.0	20.7	21.6
5	19.0	18.9	18.9	17.1	16.3	17.8	17.8	19.1	21.5	28.3	14.9	12.4	13.9	15.2	19.8	26.8	30.5	32.0	29.0	27.0	23.3	21.6	20.4	18.1	20.8
6	11.1	17.5	17.3	16.7	21.4	16.6	17.5	17.0	16.5	18.0	22.8	24.6	20.1	17.0	19.5	20.7	23.8	26.3	26.4	23.9	22.4	21.8	21.6	21.3	20.1
7	18.3	19.9	15.5	11.2	17.0	18.6	19.2	23.1	25.6	17.1	18.9	14.8	14.0	17.6	18.6	20.8	24.5	25.9	25.9	24.4	22.1	19.5	19.0	19.2	19.6
8	19.9	19.9	15.1	14.0	19.1	20.1	20.5	20.3	13.2	14.9	17.0	16.0	13.3	14.7	18.0	22.2	23.9	25.2	25.5	23.2	21.3	20.2	19.0	19.0	19.0
9	18.8	19.0	19.4	19.7	17.2	20.0	18.1	18.5	18.3	18.3	17.4	16.5	20.0	20.6	21.0	24.3	27.5	28.4	25.7	23.4	21.0	20.7	16.6	19.2	20.4
10	21.2	19.9	20.9	25.0	22.2	18.6	13.2	16.0	17.9	15.9	16.5	12.5	12.0	14.3	17.7	21.5	24.8	26.7	25.8	23.6	21.7	20.2	19.9	20.3	19.5
11	20.6	20.5	20.5	20.6	19.9	19.5	18.0	15.1	13.1	18.9	19.8	10.9	11.5	13.9	18.2	23.2	26.9	28.0	26.8	24.2	21.3	20.1	20.1	20.0	19.6
12 D	20.2	20.2	20.4	20.6	20.4	19.6	16.7	65.6	12.7	7.6	12.3	7.3	10.1	13.4	19.4	24.3	27.8	32.5	34.1	31.6	26.6	24.5	25.7	17.5	22.1
13	20.1	24.5	23.5	21.9	20.1	23.0	17.4	15.3	18.7	17.0	16.7	14.5	14.4	16.0	18.9	24.5	27.6	30.8	30.2	28.5	20.8	21.4	20.4	20.5	21.1
14	20.4	14.7	16.8	21.0	26.5	21.6	22.8	28.0	21.3	15.9	15.9	14.7	13.9	15.3	19.2	23.3	26.8	28.0	27.1	25.2	23.3	21.1	19.2	19.7	20.9
15	18.7	17.0	20.5	19.9	24.1	18.9	27.7	29.5	16.9	15.6	14.8	14.8	13.6	14.6	17.2	20.4	23.8	26.3	28.0	27.5	25.9	22.2	19.6	19.6	20.7
16	19.2	21.0	21.4	19.6	21.0	20.5	20.4	19.7	18.3	18.5	19.0	15.0	12.9	13.2	16.3	20.2	23.6	27.0	27.3	25.7	22.5	19.4	22.0	21.6	20.2
17 Q	19.3	20.2	21.1	20.9	20.5	23.4	24.1	19.7	18.8	19.0	18.3	17.2	15.9	17.4	19.5	22.2	25.5	28.9	29.0	26.9	23.7	21.4	19.8	18.7	21.3
18 Q	19.9	20.8	20.6	20.7	21.1	20.3	20.5	20.1	19.4	18.8	18.2	17.1	15.7	15.0	16.5	19.7	23.2	26.7	26.9	25.6	23.3	22.3	21.4	22.4	20.7
19 D	23.3	21.6	21.0	20.4	18.6	15.5	14.9	21.9	21.5	18.8	14.4	15.9	15.1	15.5	19.4	23.1	25.8	31.9	31.2	27.3	25.0	24.4	20.9	5.8	20.6
20	-1.4	12.9	20.0	22.8	23.0	21.6	21.5	23.1	21.2	21.6	18.4	19.7	15.5	16.0	19.0	21.3	23.5	25.3	25.6	25.0	22.5	21.2	21.1	21.3	20.1
21	20.5	21.4	20.3	20.6	20.1	20.5	21.4	16.8	16.8	17.6	17.0	17.0	16.9	16.5	20.8	24.3	27.6	27.8	25.3	23.8	22.8	20.4	20.6	21.2	20.8
22	19.4	20.6	23.0	18.5	21.0	20.5	19.1	18.1	22.1	15.6	14.1	19.0	17.5	17.9	23.0	24.4	25.1	25.7	24.5	23.0	18.4	19.5	20.3	20.5	20.4
23	19.9	15.0	16.4	23.4	26.7	23.5	18.7	18.8	21.7	18.4	17.7	19.8	17.9	18.4	20.7	22.8	24.5	24.9	23.4	21.9	20.4	20.4	20.8	20.4	20.7
24 Q	19.9	19.6	19.5	19.5	22.9	21.1	18.7	18.9	18.6	18.9	18.9	18.4	17.6	17.7	19.8	22.5	24.5	25.4	24.8	23.5	23.8	23.5	22.1	21.4	20.9
25 Q	20.8	20.6	20.5	20.0	19.8	19.4	19.3	19.1	18.9	18.1	17.6	17.6	16.1	16.8	18.8	20.6	25.1	26.3	25.6	22.9	20.4	19.8	19.9	20.6	20.2
26	22.7	14.7	14.8	20.6	17.8	17.7	17.7	17.8	20.5	17.1	16.8	17.9	18.5	17.9	22.4	24.4	28.7	29.7	26.0	24.4	23.1	21.2	21.4	20.8	20.6
27	18.5	14.2	18.4	20.7	21.2	21.8	17.9	18.1	18.9	18.8	19.0	20.0	19.5	19.0	20.3	23.3	27.7	28.1	26.1	24.0	21.6	20.4	20.0	19.8	20.7
28 Q	20.3	20.4	16.6	19.5	20.9	20.6	20.0	19.9	19.6	19.3	19.0	18.9	19.4	18.2	20.8	22.3	23.6	27.7	25.4	23.9	21.5	20.6	20.7	17.8	20.7
29	20.7	20.6	20.5	18.2	18.0	16.0	18.3	17.0	17.0	14.9	21.3	23.3	18.1	18.9	22.3	24.2	26.2	26.8	27.2	25.9	24.2	20.2	23.3	24.7	21.2
30	26.3	23.2	17.7	19.2	16.0	14.6	13.9	15.1	14.9	17.0	18.0	23.5	26.6	23.6	19.6	23.8	22.7	24.2	24.0	22.7	22.1	20.6	20.8	20.5	20.4
31																									
Mean	19.2	19.1	18.6	18.5	20.3	19.9	19.7	21.2	19.6	18.5	18.1	16.8	15.7	16.6	19.4	23.1	25.9	27.7	27.1	25.3	22.5	21.2	20.5	19.3	20.6

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

Table 27 Agincourt

$z = 56,000 \gamma +$

September 1962

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	157	153	146	149	149	138	65	50	35	96	151	155	149	146	143	145	151	159	172	170	181	181	173	163	141	
2 D	157	155	150	124	89	106	82	68	58	105	124	124	131	132	135	136	139	141	152	163	186	186	172	166	133	
3 D	156	157	131	121	46	89	138	138	128	113	77	95	117	122	126	140	140	140	155	186	186	202	221	198	138	
4 D	193	176	166	114	88	46	16	60	76	82	54	96	121	135	141	146	155	161	161	168	174	173	173	156	126	
5	154	150	150	137	140	131	129	135	111	100	125	145	148	145	143	144	149	151	157	161	162	162	161	166	144	
6	175	168	168	148	103	93	32	103	141	150	142	130	131	138	138	145	153	157	164	175	188	196	186	176	146	
7	168	163	162	133	141	138	145	116	95	108	122	150	145	144	147	150	156	158	161	163	163	163	164	163	147	
8	160	159	152	150	164	163	159	135	69	103	131	148	144	148	152	152	158	164	166	165	162	163	163	164	150	
9	163	164	164	160	150	135	148	155	155	155	151	150	147	137	138	139	144	149	152	163	169	173	181	179	155	
10	178	174	180	123	95	137	134	148	131	131	144	153	151	151	151	150	150	153	156	161	162	158	156	153	149	
11	153	155	156	153	152	151	150	149	144	134	125	144	147	147	146	145	145	150	155	158	159	157	155	154	149	
12 D	154	150	151	154	155	150	108	-121	88	107	77	151	163	155	156	161	167	181	199	269	266	197	212	202	152	
13	201	191	170	164	158	144	130	148	152	168	163	159	163	162	163	167	168	173	188	194	185	166	163	161	167	
14	162	162	163	157	149	133	134	112	133	151	153	156	156	155	156	152	152	156	162	163	163	166	165	161	153	
15	158	155	154	143	122	147	117	111	150	152	150	157	153	150	148	149	150	155	161	166	163	163	163	162	150	
16	162	157	156	148	145	150	153	153	153	154	156	152	152	148	145	148	152	155	159	164	167	173	169	159	155	
17 Q	158	156	155	153	152	141	141	148	150	151	152	155	151	145	147	146	147	149	156	162	163	162	158	158	152	
18 Q	156	155	155	152	153	151	151	149	150	151	151	153	150	145	141	137	139	143	150	155	156	156	152	155	150	
19 D	154	155	155	155	155	128	100	52	99	150	160	155	155	151	149	149	152	157	165	212	185	174	203	183	152	
20	165	161	158	128	134	150	155	149	150	149	146	150	155	150	150	151	151	152	155	155	154	153	152	152	151	
21	155	155	155	155	155	151	141	153	155	152	152	152	150	147	144	143	150	149	151	155	156	155	155	155	152	
22	159	166	144	133	133	146	152	152	144	138	135	151	144	143	144	144	147	154	158	161	167	160	155	154	149	
23	154	151	138	121	113	107	135	143	144	144	141	145	144	148	144	145	149	152	156	155	153	152	151	154	143	
24 Q	152	150	152	151	149	143	150	149	150	149	149	149	150	149	149	149	150	152	155	157	158	155	155	154	151	
25 Q	152	149	149	149	149	150	149	150	149	149	149	147	143	142	142	142	148	149	151	154	154	149	149	149	149	
26	156	164	153	100	149	143	142	147	148	150	153	151	154	154	150	149	162	170	161	166	167	167	163	162	153	
27	162	153	143	148	139	138	137	143	142	139	149	151	151	147	143	141	149	154	159	159	159	156	155	156	149	
28 Q	154	154	142	144	150	150	150	151	149	148	149	149	151	150	149	148	149	154	153	155	154	155	161	165	151	
29	162	160	160	147	142	123	117	108	130	120	128	121	128	134	139	139	146	155	166	174	185	203	214	212	151	
30	204	194	172	172	160	153	147	136	135	135	134	135	135	140	144	143	143	148	151	155	154	155	154	154	152	
31																										
Mean	163	160	155	143	136	134	127	120	127	134	136	144	146	145	145	147	150	155	160	169	170	168	168	165	149	

AGINCOURT MAGNETIC OBSERVATORY, 1962

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

Table 28 Agincourt

H = 15,000 γ +

October 1962

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	948	934	935	936	953	919	893	888	920	914	934	916	944	943	911	904	888	877	913	934	937	931	919	938	922
2	939	932	957	928	929	933	933	909	951	953	938	938	918	903	896	904	887	891	913	933	943	944	941	937	927
3	939	940	946	947	950	935	944	944	945	952	956	955	941	924	914	918	913	920	929	941	952	952	945	944	939
4 Q	935	929	924	916	916	930	935	954	949	955	959	958	945	931	923	923	919	913	923	934	945	949	945	943	936
5	950	952	951	952	952	955	950	956	962	963	965	961	952	939	926	929	934	945	944	958	955	929	950	950	949
6	945	930	909	895	904	894	912	943	950	951	952	946	934	915	899	914	922	930	936	945	947	949	945	939	929
7	950	951	946	935	932	930	944	948	949	945	955	955	950	939	933	928	925	925	933	949	945	982	950	960	944
8 D	960	981	955	936	939	939	935	952	953	944	938	933	929	925	919	925	929	930	925	944	950	950	952	935	941
9 D	960	894	925	939	958	940	930	940	949	946	951	946	916	910	925	921	921	939	946	951	960	955	946	945	938
10	956	946	947	951	950	955	949	950	943	946	935	931	926	945	932	921	915	930	940	935	951	960	956	946	942
11	948	951	946	934	935	924	935	934	933	946	944	949	940	924	924	920	917	933	947	964	955	940	946	951	939
12 Q	961	950	954	952	946	951	949	947	945	940	950	951	946	935	928	926	931	942	955	965	966	964	962	961	949
13	962	961	960	959	956	956	955	953	951	948	940	956	939	926	911	920	926	931	940	952	965	955	951	943	946
14	930	924	935	937	940	955	934	928	946	936	904	936	940	920	905	909	920	920	914	916	934	943	946	945	930
15 Q	951	951	948	941	946	935	948	947	945	948	947	950	939	921	905	900	909	926	940	945	952	957	960	951	940
16	945	950	950	948	949	950	950	951	955	955	952	899	939	927	913	914	924	931	930	938	951	955	956	951	941
17 Q	955	955	955	952	950	948	950	949	944	949	955	952	942	929	916	914	924	935	950	956	957	960	959	959	946
18	945	934	900	918	934	943	949	950	952	952	954	952	944	934	924	919	921	921	930	949	954	962	960	960	940
19	960	959	959	956	955	959	957	956	929	924	959	959	931	914	923	904	931	936	945	951	949	938	949	949	944
20	945	951	950	948	947	949	952	954	955	955	956	955	950	939	921	914	929	935	944	949	958	958	959	954	947
21	951	952	960	956	956	950	949	950	954	954	959	957	946	939	926	928	935	923	929	939	945	955	950	945	946
22	948	952	950	935	919	919	923	934	942	941	959	974	960	948	954	946	934	929	934	932	939	938	920	955	941
23	958	945	930	923	939	950	946	952	950	951	950	939	949	937	924	909	920	925	936	945	946	929	950	954	940
24	957	947	936	928	946	941	943	954	953	953	954	954	944	939	929	920	920	909	908	930	928	925	936	925	936
25 D	923	940	942	942	935	961	939	918	924	946	955	936	924	934	944	922	889	924	928	934	931	917	923	935	932
26 D	939	950	934	933	949	949	946	939	934	924	930	924	925	903	862	893	910	919	915	920	913	915	930	936	925
27	934	944	941	929	935	945	943	934	939	934	943	941	923	919	889	895	919	928	925	937	934	937	941	937	931
28	936	948	939	951	949	939	939	940	941	945	938	942	935	927	910	908	910	922	930	934	937	939	941	950	936
29	950	939	928	939	946	946	945	946	944	947	951	940	932	920	919	913	910	933	938	940	945	954	941	938	
30	944	946	950	941	945	933	941	940	945	949	945	936	945	944	929	919	924	930	931	942	941	945	953	951	940
31 Q	946	945	942	940	939	950	939	944	946	939	951	946	952	939	926	920	919	924	922	934	948	950	945	950	940
Mean	947	945	942	939	942	941	941	942	945	946	948	945	939	929	918	916	919	924	932	942	946	946	946	946	939

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 29 Agincourt

D = 7°W + ...'

October 1962

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	21.8	16.6	18.5	18.7	14.0	16.6	21.5	15.3	7.1	21.5	30.7	32.4	28.1	28.7	20.5	21.8	25.3	25.9	27.5	23.7	19.1	19.7	14.4	20.7	21.2	
2	20.6	15.5	18.2	19.2	18.6	21.1	17.7	25.9	20.0	18.6	24.3	21.3	24.5	20.9	21.6	20.2	21.0	24.1	25.6	25.2	23.6	21.6	20.4	19.2	21.3	
3	19.2	19.8	20.5	20.1	21.0	19.5	18.4	20.0	25.9	19.5	21.4	21.3	17.8	19.2	21.1	18.5	21.6	24.8	24.8	24.4	23.1	22.2	20.5	19.2	21.0	
4 Q	19.7	18.9	18.0	16.6	17.6	19.2	22.7	20.9	20.0	21.5	22.1	20.0	18.3	16.9	17.3	20.2	23.1	26.4	28.2	27.7	26.9	25.1	21.6	20.8	21.3	
5	20.5	20.2	20.7	20.8	20.8	18.4	18.4	17.9	19.0	18.6	18.8	19.9	18.2	15.6	14.3	15.6	19.6	24.6	25.4	26.0	28.8	29.7	24.2	21.5	21.6	20.9
6	21.0	19.1	8.7	15.1	12.9	15.8	22.2	22.6	20.1	19.7	20.0	18.6	16.5	16.9	23.3	22.5	22.3	24.8	25.5	24.5	22.4	21.0	21.5	20.8	19.9	
7	21.2	20.6	18.2	16.7	19.5	20.2	20.0	20.2	21.2	20.1	20.0	17.8	15.9	15.5	16.2	18.4	21.4	24.1	25.7	24.4	21.5	21.4	23.8	21.1	20.2	
8 D	25.1	10.2	17.4	21.4	20.8	20.0	16.8	18.4	15.6	13.6	16.0	20.2	17.3	15.3	14.3	19.6	23.6	24.8	28.4	27.4	28.2	22.6	20.8	24.1	20.1	
9 D	10.1	6.3	16.7	21.4	23.1	17.0	19.6	28.5	24.1	18.1	17.5	16.2	19.1	25.3	21.3	23.7	22.6	23.1	23.2	23.1	22.4	23.2	21.3	19.1	20.3	
10	15.8	18.1	19.7	19.6	26.1	22.1	19.7	19.0	16.8	20.2	20.6	21.0	29.2	19.7	18.8	22.4	25.8	27.1	26.7	23.9	22.6	22.3	22.5	21.4	21.7	
11	21.3	18.2	16.8	27.2	32.3	16.6	17.0	21.8	22.1	20.7	20.0	18.0	16.7	18.8	17.3	20.0	23.5	27.1	25.5	24.2	24.6	21.8	21.8	21.8	21.5	
12 Q	18.8	16.5	20.0	21.8	20.5	20.8	20.7	20.6	29.1	25.3	21.0	16.9	15.8	15.3	16.1	19.1	22.5	23.8	24.5	24.4	23.6	22.2	21.4	21.2	20.5	
13	20.8	20.6	20.7	20.5	20.3	20.0	19.9	19.1	17.9	20.1	23.7	20.0	19.0	19.2	21.0	21.9	25.4	28.1	27.7	26.1	24.8	24.5	23.8	20.9	21.9	
14	12.0	14.1	19.1	17.8	16.8	27.7	27.3	10.1	17.5	18.6	24.6	23.7	17.3	14.2	17.2	19.0	22.0	24.3	28.5	26.1	24.5	20.4	23.2	20.0	20.2	
15 Q	19.8	18.6	19.4	18.9	17.8	20.8	23.1	19.0	17.6	19.3	19.4	18.6	15.8	15.6	17.1	21.8	24.4	25.6	26.1	25.4	23.9	22.4	21.7	22.4	20.6	
16	22.4	21.2	20.3	19.6	19.9	20.3	20.1	20.0	18.9	17.9	17.6	32.0	25.1	17.9	19.4	20.8	23.6	21.4	26.5	21.4	23.9	21.3	22.8	22.8	22.0	
17 Q	14.7	18.9	20.4	20.2	19.2	19.9	20.8	20.4	21.5	22.9	20.1	18.9	17.1	15.9	17.8	21.1	25.2	26.4	26.2	25.0	23.2	22.2	21.4	21.3	20.9	
18	19.8	14.4	7.0	14.7	17.6	20.0	21.6	20.7	20.0	19.5	19.4	18.0	15.5	16.0	17.8	20.8	25.4	27.6	27.5	26.0	24.4	22.6	22.5	21.4	20.0	
19	20.5	20.2	20.2	20.2	20.2	20.0	19.1	19.9	27.3	30.1	15.4	15.1	19.0	23.2	21.7	25.9	26.0	25.3	25.4	25.0	25.3	21.8	22.6	21.8	22.1	
20	20.4	20.0	20.2	20.4	19.6	20.8	20.6	20.2	19.5	18.7	19.1	19.0	17.8	15.9	17.2	20.1	23.3	24.4	24.7	23.5	21.9	21.8	21.7	21.8	20.5	
21	21.3	19.0	17.1	20.3	23.6	19.5	17.8	20.0	20.6	21.7	20.8	19.8	19.8	19.1	19.0	24.4	24.1	26.0	27.1	26.7	26.3	22.8	21.5	20.2	21.6	
22	21.0	19.9	16.8	19.0	17.5	14.5	18.7	16.6	18.9	21.0	31.6	21.4	18.8	24.9	27.1	22.4	23.2	21.7	24.5	24.3	24.4	23.6	17.9	20.7	21.2	
23	20.5	19.7	-1.1	15.3	20.4	20.3	19.5	21.6	19.2	20.9	20.8	23.2	20.8	19.8	21.0	24.5	26.8	26.8	27.0	26.3	26.1	24.0	21.9	20.2	21.1	
24	20.0	21.0	20.6	15.5	20.6	19.1	20.3	20.7	19.2	19.3	21.0	22.8	24.6	20.8	21.0	21.5	24.3	26.1	27.1	26.7	26.7	17.2	18.5	20.6	21.5	
25 D	15.5	15.6	19.5	19.7	19.7	20.9	16.9	15.7	27.5	27.0	19.0	20.8	30.5	31.0	21.8	22.5	26.3	29.9	27.3	22.0	25.5	15.4	21.5	21.8	22.2	
26 D	16.9	17.0	15.1	19.4	23.3	20.3	21.1	20.1	20.9	21.1	20.3	24.9	29.2	27.2	30.8	33.0	31.0	29.2	23.2	27.4	24.9	21.3	18.1	20.8	23.2	
27	19.2	18.2	14.0	16.7	20.6	27.2	20.7	18.6	20.6	20.9	21.2	21.0	23.7	20.4	22.7	24.9	25.4	25.1	25.6	24.7	22.0	20.8	20.2	13.7	21.2	
28	19.1	16.3	19.2	18.6	22.6	19.9	22.9	26.4	26.6	24.5	21.6	20.8	18.3	17.8	16.5	19.6	22.8	23.8	24.9	24.5	21.6	20.6	17.7	21.6	21.2	
29	20.5	19.0	17.3	17.1	20.2	21.3	22.3	22.0	21.1	22.1	23.2	20.0	19.0	19.5	19.2	20.1	23.7	25.1	24.1	23.9	23.2	22.8	21.5	21.8	21.3	
30	19.7	20.1	20.7	17.3	16.0	19.5	22.8	25.8	28.1	21.8	21.2	24.3	24.2	20.2	21.1	24.6	26.2	24.4	25.5	24.8	25.0	21.4	21.7	21.9	22.4	
31 Q	19.5	19.1	18.8	19.6	19.9	19.6	21.3	21.0	19.5	20.5	21.8	21.9	21.3	19.4	21.2	23.2	25.3	25.7	27.1	26.5	24.6	23.3	21.4	21.4	21.8	
Mean	19.3	17.8	17.4	19.0	20.1	20.0	20.4	20.3	20.7	20.8	21.1	20.9	20.4	19.5	19.8	21.9	24.2	25.4	26.1	25.1	24.2	21.8	21.1	20.9	21.2	

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

Table 30 Agincourt

z = 56,000 γ +

October 1962

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	160	163	157	159	130	119	45	13	25	58	78	90	117	129	138	143	153	167	179	178	241	219	201	174	135
2	162	158	129	132	144	116	110	73	116	133	134	140	141	149	147	147	151	164	165	160	159	159	159	158	142
3	158	156	152	152	138	132	142	138	110	110	112	122	137	143	148	151	152	152	152	154	157	159	160	159	144
4 Q	159	162	159	143	133	146	129	122	129	127	127	140	146	149	152	152	152	157	163	165	165	165	160	160	149
5	157	153	152	152	152	146	146	150	149	147	149	151	151	146	146	141	141	146	154	160	195	174	163	160	153
6	158	165	146	142	133	115	122	149	158	155	155	158	158	154	152	146	147	148	152	157	159	158	158	158	150
7	156	153	152	146	144	133	139	141	140	140	146	151	148	146	142	141	145	148	152	153	153	160	159	165	148
8 D	169	228	184	173	157	152	152	152	148	134	134	138	147	146	142	138	137	144	158	158	160	168	163	176	157
9 D	147	175	177	161	123	130	139	98	102	116	141	145	139	144	145	140	145	152	151	151	152	158	163	169	144
10	145	152	160	152	139	138	140	150	142	149	129	129	138	139	140	145	151	159	159	162	158	156	158	156	148
11	162	151	148	124	59	88	133	140	141	143	145	151	151	148	151	143	143	147	153	158	163	164	162	163	143
12 Q	158	159	159	155	151	150	146	144	135	133	135	147	148	147	146	139	139	141	145	145	146	146	145	145	146
13	145	145	144	145	145	145	145	146	145	134	123	116	132	140	140	144	144	148	153	156	159	155	157	170	145
14	175	187	183	163	146	79	61	76	131	123	108	139	139	140	143	145	145	147	157	172	177	181	165	160	143
15 Q	159	157	157	153	147	134	133	133	141	148	148	154	152	150	148	146	146	149	152	155	153	154	153	157	149
16	160	159	153	151	152	150	147	146	146	146	140	113	126	128	137	140	141	146	142	151	152	152	154	160	145
17 Q	158	154	155	152	146	146	144	147	141	140	146	151	152	151	150	147	148	152	152	152	147	148	148	148	149
18	150	148	142	148	152	153	154	152	151	147	147	148	148	147	146	137	135	140	149	153	151	151	149	148	148
19	146	146	146	146	146	146	144	139	93	56	112	127	129	140	140	138	141	142	146	151	154	163	158	158	138
20	159	153	152	150	146	146	144	146	146	146	145	146	146	141	145	141	151	153	154	154	154	152	152	153	149
21	156	156	138	134	120	132	139	141	140	140	139	141	145	145	142	139	134	139	152	156	152	151	151	150	143
22	147	146	144	134	135	123	126	134	143	134	115	115	128	126	126	127	132	139	145	150	158	164	181	161	139
23	153	153	147	141	134	133	136	136	139	139	129	133	143	135	139	134	138	140	142	146	152	156	153	150	142
24	147	151	151	153	139	140	144	146	145	145	139	134	132	134	140	143	146	151	171	172	175	179	173	172	151
25 D	171	160	157	149	131	99	120	120	128	109	126	134	132	131	134	138	146	157	157	170	174	194	170	165	145
26 D	163	134	144	145	131	144	144	109	75	70	113	125	130	131	143	145	152	163	187	189	187	189	177	163	144
27	157	150	139	146	127	107	90	107	129	138	146	139	143	151	145	152	141	144	149	152	157	157	157	161	141
28	157	149	149	132	124	137	143	135	126	130	132	143	149	150	150	149	144	148	149	156	161	158	157	151	145
29	149	149	146	137	143	144	138	129	137	138	141	143	145	148	145	141	139	145	149	150	151	149	150	151	144
30	151	152	149	147	143	139	139	136	127	129	137	138	143	145	143	141	143	150	154	157	157	157	154	154	145
31 Q	152	151	151	151	144	124	130	130	132	138	137	140	144	143	143	137	137	143	149	155	156	155	155	151	144
Mean	156	157	152	147	137	132	131	128	129	129	132	137	141	142	144	142	144	149	155	158	162	163	160	159	145

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

Table 31 Agincourt

H = 15,000 γ +

November 1962

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	950	945	939	937	939	947	950	954	952	950	955	955	951	942	930	924	924	930	936	945	957	955	939	939	944	
2	942	945	939	939	954	954	955	958	959	955	957	960	948	945	925	924	929	934	930	934	945	941	947	929	944	
3	929	939	937	942	945	945	952	945	949	950	940	944	950	939	930	930	934	942	950	950	945	943	941	939	942	
4	945	945	949	948	950	950	951	945	947	940	945	941	947	939	917	915	932	930	935	941	941	928	949	958	942	
5	959	957	958	957	954	950	947	940	937	938	945	947	944	937	934	930	928	930	939	946	955	960	960	961	946	
6 D	957	961	946	956	971	957	951	946	954	955	957	960	955	950	936	936	938	937	927	940	952	921	940	952	948	
7	955	940	941	950	951	958	952	956	956	952	937	950	941	933	929	931	933	936	945	952	956	961	960	951	947	
8	953	956	957	956	956	952	956	955	954	955	955	951	950	947	935	936	940	946	951	955	956	956	960	962	952	
9	962	956	953	957	956	957	956	957	958	959	958	957	951	944	936	938	943	946	949	956	961	961	952	950	953	
10 Q	957	962	958	956	961	960	959	960	962	962	962	961	952	944	936	937	944	947	956	962	964	967	963	964	957	
11	965	966	966	962	961	966	957	962	961	951	952	952	943	939	935	931	937	945	952	956	962	955	958	959	954	
12 Q	956	963	958	957	957	957	954	956	957	958	958	953	948	937	932	932	935	944	952	962	965	968	967	963	954	
13 Q	958	961	962	960	959	959	961	962	962	963	964	963	957	948	942	938	947	956	965	968	969	968	972	968	960	
14	963	959	958	958	959	961	962	963	964	965	964	964	959	950	937	929	933	947	958	968	958	963	967	968	957	
15 D	968	965	963	963	962	957	942	963	958	959	962	945	926	969	946	918	917	922	927	927	962	932	938	945	947	
16 D	924	933	937	936	932	929	931	937	928	934	931	924	935	938	921	902	907	901	916	927	936	947	948	940	929	
17	949	949	947	948	948	948	947	947	949	949	949	949	951	949	938	926	929	930	933	938	945	951	955	958	957	945
18 Q	957	955	954	953	953	953	954	954	956	956	957	955	953	948	942	942	942	948	954	958	958	957	959	958	953	
19	956	956	955	955	956	956	957	957	959	958	957	956	952	946	937	935	937	946	955	957	952	951	950	956	952	
20 Q	962	962	961	961	958	958	953	958	966	967	967	966	960	952	946	943	945	955	966	971	971	966	963	964	960	
21	966	956	947	936	941	943	951	946	940	943	958	963	960	953	943	932	923	927	941	953	961	965	963	951	948	
22 D	953	946	947	942	926	917	915	909	927	930	938	947	937	941	943	926	922	931	928	941	941	920	946	947	934	
23	940	936	955	960	951	933	939	941	928	938	936	935	945	930	922	927	935	945	954	955	951	955	944	942	942	
24	941	946	949	951	955	950	950	942	946	954	956	947	936	944	948	945	949	950	945	956	952	948	951	946	948	
25	945	937	945	940	949	941	938	961	956	946	939	965	950	941	940	933	925	936	950	956	955	947	957	956	946	
26	944	940	950	950	950	954	954	955	954	955	955	953	950	935	928	921	924	932	944	953	956	956	956	957	947	
27	952	947	946	950	945	945	949	949	954	955	956	959	955	948	945	941	934	950	955	961	954	956	960	953	951	
28	944	944	944	946	946	953	954	949	949	949	951	949	951	946	939	935	933	934	948	954	959	956	954	952	947	
29	949	949	947	949	950	950	955	958	958	960	960	964	966	954	944	937	935	945	946	940	953	963	969	972	953	
30 D	967	947	913	933	914	894	904	894	922	923	933	970	958	940	934	935	933	935	945	949	950	944	940	947	934	
31																										
Mean	952	951	949	950	950	949	949	949	951	951	952	953	949	944	935	931	933	939	945	951	955	952	954	954	948	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 32 Agincourt

D = 7°W + . . . '

November 1962

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	20.3	19.6	20.1	19.0	18.9	21.0	21.9	21.7	21.0	24.0	23.1	20.2	18.4	16.8	18.0	19.7	23.6	26.6	27.2	26.6	24.1	23.1	24.1	23.6	21.8	
2	21.0	20.4	19.2	19.3	21.5	21.9	22.4	22.2	21.0	19.9	22.4	20.8	17.2	19.8	17.7	21.5	24.3	27.6	28.0	27.6	27.7	26.1	27.1	22.3	22.5	
3	20.5	20.7	19.5	20.6	22.0	21.8	24.1	22.8	24.1	22.4	21.8	25.0	24.2	21.4	22.1	24.3	26.9	26.7	26.4	26.7	26.0	24.4	23.4	17.7	23.1	
4	17.9	20.3	20.5	20.5	19.0	20.8	22.7	22.3	25.4	21.6	22.2	23.2	22.2	21.7	22.2	23.9	26.5	27.2	27.1	27.0	27.0	28.6	23.5	21.6	23.1	
5	21.1	20.9	20.9	20.9	20.5	20.3	22.8	24.0	17.6	17.7	18.9	19.3	19.1	18.1	17.7	19.6	22.3	23.8	24.8	24.9	24.1	24.0	23.4	22.3	21.2	
6 D	21.4	21.4	17.7	19.7	21.6	20.3	20.2	21.1	20.6	20.8	20.0	19.6	18.6	18.1	17.7	21.7	22.9	25.2	28.0	23.5	25.3	21.8	22.8	23.4	21.4	
7	20.9	18.8	11.4	21.4	21.5	23.7	21.2	21.8	20.9	20.1	24.1	25.8	22.3	23.7	22.4	20.4	22.7	25.2	25.9	24.9	23.6	23.1	23.3	21.8	22.1	
8	21.3	21.3	21.8	21.7	21.1	21.9	22.5	21.7	20.4	20.2	20.1	21.7	20.3	20.8	20.2	21.7	24.5	25.0	25.7	24.7	24.2	23.9	23.5	22.0	22.2	
9	21.8	20.5	20.7	21.4	21.7	22.1	22.2	22.0	21.6	21.2	21.0	20.6	20.2	19.7	20.1	21.9	24.4	25.7	25.7	24.6	23.5	23.0	23.0	21.0	22.1	
10 Q	20.1	20.1	19.6	22.6	22.5	22.6	22.3	21.9	21.7	21.4	21.2	21.7	20.3	19.9	20.7	23.4	25.4	26.6	26.4	24.9	23.1	22.3	22.6	22.0	22.3	
11	21.6	21.0	21.1	21.4	21.1	22.1	25.7	27.9	20.9	17.3	19.4	19.1	18.3	18.4	18.9	23.3	25.3	27.4	27.4	25.4	25.1	23.9	22.5	22.1	22.4	
12 Q	20.4	18.0	20.5	21.3	22.0	22.4	22.1	21.9	21.7	21.3	21.2	20.9	19.4	18.2	18.7	21.6	24.8	26.9	27.6	25.9	23.9	22.8	22.4	21.9	22.0	
13 Q	21.5	21.4	21.2	21.6	22.1	22.3	22.4	22.3	22.1	21.8	21.2	20.7	20.0	18.8	18.8	21.3	24.4	26.7	27.3	25.9	24.0	22.9	22.3	22.0	22.3	
14	21.5	21.4	21.0	20.8	22.0	22.3	22.7	22.3	22.2	21.8	21.0	21.0	20.0	18.3	18.2	21.3	26.5	28.4	28.9	28.4	25.0	23.1	21.9	21.3	22.6	
15 D	20.9	20.8	20.9	20.8	20.5	22.7	19.1	21.3	20.3	21.4	18.6	19.2	48.1	40.2	20.4	19.6	22.9	25.9	28.6	31.0	30.5	33.0	29.6	26.6	25.1	
16 D	24.8	17.4	19.5	15.7	21.1	22.3	25.6	20.5	20.2	22.0	22.7	24.5	21.2	17.8	18.3	21.3	23.9	25.7	27.9	29.4	26.8	24.3	23.1	22.3	22.4	
17	17.5	21.1	20.5	19.6	20.6	22.3	22.3	23.0	22.5	22.2	22.1	21.6	20.4	18.6	20.3	22.8	23.9	25.3	26.2	25.4	24.5	23.8	22.8	22.2	22.1	
18 Q	21.7	21.4	21.8	21.8	22.2	22.3	22.4	22.4	22.2	22.1	21.9	21.6	21.0	20.7	21.2	22.1	23.3	24.5	24.9	23.9	23.2	23.0	22.4	22.0	22.3	
19	21.8	21.8	21.9	22.0	22.1	22.3	22.5	22.4	22.3	22.0	21.9	21.6	21.3	21.1	20.4	22.6	24.9	26.8	26.3	24.2	23.8	23.7	23.2	21.8	22.7	
20 Q	21.4	21.5	21.6	22.0	22.3	21.5	21.2	23.3	20.0	20.1	20.1	20.0	20.1	19.2	19.3	21.4	23.0	23.9	23.9	22.9	22.3	22.2	22.1	22.0	21.6	
21	21.5	21.9	21.8	20.5	21.6	22.2	26.8	17.4	21.1	21.6	17.5	18.2	22.1	21.9	23.3	25.2	27.3	27.7	28.5	31.6	28.3	25.6	21.9	21.6	23.2	
22 D	19.9	20.5	18.6	21.9	24.2	30.4	21.0	29.3	28.5	12.5	21.3	27.4	34.4	38.6	30.2	27.9	26.7	27.6	27.2	25.8	26.0	18.5	22.2	18.8	25.0	
23	17.4	18.7	18.9	22.4	25.3	22.0	28.2	25.8	26.9	24.3	25.1	25.9	22.9	21.2	22.4	24.3	27.1	26.2	26.9	25.8	24.8	22.1	23.8	22.1	23.8	
24	20.9	20.4	22.0	22.4	23.0	22.9	22.4	22.5	25.2	20.3	18.5	22.8	27.3	26.2	23.7	24.1	27.8	27.7	27.3	24.9	23.9	22.3	21.6	21.3	23.3	
25	19.4	19.5	18.5	20.5	22.1	24.6	29.4	29.1	22.1	21.7	21.6	21.5	21.0	20.9	20.2	22.5	25.6	27.4	26.5	24.9	22.9	22.2	21.9	21.5	23.9	
26	19.1	18.0	21.3	21.5	22.0	22.9	23.1	23.0	22.4	21.7	21.6	21.5	21.0	20.9	20.2	22.5	25.6	27.4	26.5	24.9	22.9	22.2	21.9	21.5	22.3	
27	21.0	20.1	21.0	20.4	21.4	22.5	23.9	28.3	25.2	21.0	20.4	19.9	20.7	20.6	21.5	24.0	27.0	30.7	29.4	25.5	23.9	23.4	22.0	21.6	23.1	
28	21.0	21.8	22.0	21.6	22.2	23.9	24.3	23.9	22.8	20.1	20.1	24.1	21.1	19.2	20.5	24.8	27.0	29.4	28.5	25.5	23.1	22.2	22.1	21.7	23.0	
29	20.4	20.3	21.7	22.1	22.3	22.2	22.4	22.4	22.2	22.0	20.6	18.3	16.6	19.0	20.9	22.8	24.7	26.1	27.1	26.6	23.8	22.9	22.1	21.4	22.1	
30 D	21.8	21.0	14.5	20.4	21.1	35.4	21.8	35.1	15.7	22.3	34.0	21.9	26.6	30.2	27.5	23.6	24.6	25.8	25.5	24.5	23.1	23.1	22.2	21.9	24.3	
31																										
Mean	20.7	20.4	20.1	20.9	21.7	22.9	23.0	23.5	22.0	21.0	21.5	21.6	22.2	21.7	20.8	22.6	25.0	26.6	26.9	25.9	24.7	23.6	23.0	21.8	22.7	

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

Table 33 Agincourt

Z = 56,000 γ +

November 1962

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	149	149	149	146	146	148	147	145	143	143	138	145	149	149	147	143	141	145	149	150	151	154	154	157	147
2	156	154	150	151	145	142	143	143	143	143	139	138	147	144	141	137	134	137	143	149	154	168	174	201	149
3	172	157	152	148	143	142	133	125	129	137	136	136	137	132	134	134	136	137	142	144	148	151	155	156	142
4	154	151	148	146	139	128	134	131	125	128	132	133	135	136	137	142	144	144	148	153	156	165	154	149	142
5	148	145	144	143	143	143	113	99	129	141	144	146	147	145	141	130	126	134	141	143	144	144	143	143	138
6 D	141	141	149	145	120	130	138	141	138	138	138	139	141	140	138	143	138	143	149	156	157	165	162	156	144
7	151	155	155	150	142	125	142	145	145	143	135	129	131	142	143	142	138	139	137	144	145	148	145	148	142
8	148	145	144	144	143	143	145	149	147	145	143	141	143	142	142	142	143	148	152	154	150	149	149	148	146
9	148	147	149	146	145	145	145	145	144	144	143	143	145	146	146	138	132	136	142	143	144	143	144	145	144
10 Q	145	143	139	143	143	143	141	141	141	141	139	139	139	139	138	137	137	140	145	144	143	142	139	139	141
11	139	139	139	140	139	129	120	107	125	133	139	136	139	139	138	138	142	144	146	145	146	145	145	147	137
12 Q	149	145	144	144	142	142	142	143	143	142	141	143	143	141	140	139	140	144	140	147	146	144	144	143	143
13 Q	144	144	141	140	140	139	139	139	140	140	140	140	143	143	140	138	138	138	144	145	144	142	142	141	141
14	140	142	143	140	139	139	139	139	139	139	138	138	139	137	136	131	134	139	139	140	150	144	143	140	139
15 D	140	139	139	139	139	123	123	141	134	140	140	128	139	170	158	111	120	127	142	146	157	178	191	195	144
16 D	201	176	143	151	151	132	114	123	125	145	139	129	147	145	138	143	146	152	155	155	156	156	151	155	147
17	153	151	148	146	146	146	146	146	146	146	146	146	146	146	143	142	143	145	148	151	150	150	146	146	147
18 Q	144	144	144	142	143	142	142	143	142	142	142	141	141	141	142	140	141	141	142	144	143	141	142	141	142
19	142	141	142	142	142	142	142	141	141	141	141	141	142	142	141	140	141	141	143	145	145	147	149	147	143
20 Q	144	141	140	140	141	140	140	137	141	141	139	139	141	141	139	136	135	136	140	141	138	136	138	139	139
21	138	136	140	142	143	141	110	83	98	116	120	116	122	134	132	134	136	147	153	153	153	151	148	155	133
22 D	156	160	167	160	106	57	63	32	65	102	110	127	118	117	123	134	149	153	158	158	158	165	160	159	127
23	153	155	141	127	127	128	142	134	129	128	130	130	135	134	133	133	135	141	147	147	147	149	151	152	139
24	153	150	148	142	137	138	143	135	131	123	137	131	136	142	138	141	143	146	148	150	151	153	153	153	143
25	152	150	148	144	137	142	142	154	140	131	129	135	133	140	138	138	140	146	147	149	151	151	151	148	143
26	148	149	148	147	146	144	146	144	145	143	143	143	146	147	144	141	142	143	148	148	148	143	143	143	145
27	142	142	143	142	137	142	141	139	133	137	138	138	139	135	137	135	135	142	142	143	143	145	143	143	140
28	143	142	143	142	141	135	130	137	138	141	138	138	142	140	136	137	137	142	144	146	143	143	142	142	140
29	141	141	142	142	142	142	142	140	139	136	126	120	124	126	126	129	131	135	142	148	150	143	142	141	137
30 D	139	142	167	145	139	28	62	44	80	93	82	111	120	127	125	127	134	138	142	144	145	146	150	148	120
31																									
Mean	149	147	146	144	139	132	132	129	132	135	135	135	138	140	138	137	138	141	145	148	148	150	150	151	141

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

Table 34 Agincourt

H = 15,000 γ +

December 1962

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	951	944	934	942	945	948	949	948	949	945	950	956	950	947	939	933	939	954	955	949	956	955	957	956	948
2 Q	954	954	954	952	948	948	950	950	952	953	950	955	952	945	935	932	941	945	950	954	955	955	959	956	950
3	959	954	951	949	951	950	954	955	957	959	959	960	960	957	952	947	944	944	945	958	968	972	973	972	956
4	970	968	964	971	975	974	975	969	969	971	977	981	985	974	949	946	928	928	939	954	963	959	959	959	963
5	943	948	947	946	949	949	947	948	953	954	958	956	953	945	938	938	938	940	944	949	956	961	959	959	949
6 Q	955	958	955	953	953	950	954	955	955	958	960	962	964	959	954	949	944	945	950	954	960	965	964	964	956
7 Q	965	964	960	957	955	958	963	962	961	963	965	967	970	966	961	960	955	957	959	959	958	965	970	971	961
8	971	969	967	966	961	960	960	964	964	967	972	972	970	962	953	953	947	952	959	959	956	953	960	958	961
9	957	957	947	944	939	955	951	953	959	959	960	961	961	961	959	962	960	961	963	966	967	972	964	967	959
10	968	964	963	964	962	966	967	968	968	968	965	964	963	958	951	943	941	946	948	953	958	957	941	939	958
11 D	943	941	939	953	943	926	927	927	936	935	951	957	956	947	933	930	926	931	931	924	949	951	931	922	938
12	935	937	934	933	940	938	938	939	944	948	950	952	948	941	932	929	933	935	938	942	934	949	958	949	941
13	952	933	923	942	944	933	937	941	937	930	944	943	944	937	952	958	947	940	946	950	957	945	931	941	942
14	941	935	931	927	942	942	941	944	945	948	945	953	950	941	933	927	935	935	943	951	949	958	952	957	943
15	954	944	943	940	944	945	939	949	947	948	953	953	952	948	941	936	935	938	943	949	950	953	954	954	946
16	957	955	955	956	954	954	957	958	960	960	961	964	963	958	950	945	938	939	948	954	958	965	965	961	956
17 D	954	960	961	958	959	959	964	964	960	963	973	973	972	967	960	949	912	876	920	928	928	940	924	903	947
18 D	868	880	863	894	916	924	932	939	943	944	945	944	944	939	908	899	903	901	906	898	888	920	937	941	916
19 D	907	881	902	925	898	913	950	914	922	963	959	948	944	939	939	910	898	903	895	899	934	946	928	943	923
20 D	932	933	939	910	904	944	946	942	944	949	950	954	959	949	929	930	909	894	902	914	935	915	934	934	931
21	924	936	934	941	949	946	956	946	939	940	949	950	946	936	931	934	921	912	919	923	919	935	950	954	938
22	949	940	939	943	950	949	949	949	946	955	951	953	960	956	944	937	930	933	934	943	950	957	955	946	947
23 Q	953	953	950	949	956	957	955	954	955	959	960	956	959	956	951	946	940	939	941	946	951	955	957	956	952
24	954	954	954	955	955	955	956	958	960	959	960	959	959	956	951	940	936	942	950	953	959	960	962	961	955
25 Q	956	960	957	957	956	961	961	962	965	967	967	967	966	964	958	954	947	950	958	962	963	966	964	960	960
26	960	961	961	962	961	955	961	956	962	961	960	961	953	954	970	968	942	935	935	940	944	942	939	940	953
27	955	955	951	947	945	945	949	952	955	955	956	957	958	956	954	947	944	944	951	950	951	950	959	961	952
28	960	958	956	955	955	957	959	961	961	964	965	965	965	960	958	955	951	956	960	962	962	961	961	960	959
29	959	959	957	957	960	956	952	955	957	961	964	966	970	966	962	956	952	955	956	960	962	963	963	965	960
30	966	963	961	960	960	960	964	964	966	966	966	966	966	965	959	951	950	955	959	963	966	967	967	960	962
31	962	964	961	960	958	954	955	956	957	960	981	973	960	952	941	937	939	945	950	955	960	962	961	960	957
Mean	950	948	946	947	948	950	952	952	953	956	959	960	959	954	947	942	936	936	942	946	951	954	954	953	950

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 35 Agincourt

D = 7°W + . . .'

December 1962

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	21.8	21.9	19.3	21.0	21.9	23.0	23.0	22.8	22.7	23.2	22.1	20.8	20.9	20.5	20.9	25.2	26.8	26.8	26.5	24.9	23.5	22.2	21.9	21.5	22.7	
2 Q	21.4	21.4	21.9	22.6	22.1	22.4	22.6	22.1	21.8	22.1	21.4	19.8	20.2	20.5	20.9	22.2	23.7	25.7	25.9	24.8	23.7	23.1	22.1	21.3	22.3	
3	20.9	21.3	21.7	21.6	21.5	22.1	22.3	22.1	22.0	21.8	21.2	21.0	20.4	19.2	20.3	20.8	22.7	23.9	25.7	24.6	23.6	22.3	21.2	20.7	21.9	
4	20.3	20.3	20.5	20.4	20.9	21.2	21.8	22.2	21.0	24.6	20.4	26.7	21.7	19.8	28.8	28.7	27.4	31.0	28.3	26.7	26.3	24.1	23.5	23.4	23.8	
5	22.1	19.8	21.2	21.1	21.7	22.5	21.9	22.5	22.6	21.9	22.7	22.0	20.8	19.9	21.3	22.3	22.7	23.6	24.4	24.5	24.0	23.5	22.7	22.0	22.2	
6 Q	20.2	21.1	21.0	21.3	21.7	21.9	22.0	22.7	22.7	21.5	21.0	20.9	20.2	19.9	20.0	21.4	23.3	24.5	24.0	23.3	22.5	22.2	21.9	21.6	21.8	
7 Q	21.3	21.1	20.7	21.3	20.9	21.2	22.0	21.7	21.2	21.3	21.3	20.7	20.4	19.4	19.8	20.3	21.7	22.7	23.6	23.0	22.9	23.3	22.5	21.1	21.5	
8	20.6	20.2	20.2	20.7	21.1	21.4	21.8	23.2	23.7	22.2	18.4	20.4	20.9	20.3	21.2	23.3	26.2	28.4	28.7	27.0	26.4	25.1	24.4	23.4	22.9	
9	19.4	20.3	21.0	21.6	17.8	18.0	19.9	21.1	21.1	20.7	20.9	22.4	21.2	20.1	20.0	21.2	22.7	23.8	24.2	23.6	22.9	22.2	21.5	21.2	21.2	
10	20.8	20.9	21.0	21.3	21.6	21.6	21.7	21.5	21.2	20.9	20.9	21.0	20.9	20.4	20.7	21.9	23.5	26.2	27.1	27.1	25.0	24.5	24.7	20.4	22.4	
11 D	20.4	20.6	19.3	20.1	25.7	19.7	20.0	20.0	17.0	19.9	22.4	20.9	20.6	21.1	28.3	29.0	30.3	30.2	29.2	31.0	25.3	27.2	27.4	20.4	23.6	
12	20.4	19.9	19.7	19.0	22.5	22.5	22.3	21.7	21.9	21.7	21.8	21.7	21.1	20.5	20.7	21.6	22.4	24.6	24.8	28.0	27.6	25.8	25.6	25.2	22.6	
13	26.3	21.2	15.6	20.8	19.7	20.3	20.9	23.2	21.5	23.6	22.5	20.1	18.7	22.1	22.6	24.0	24.1	24.1	24.1	22.7	22.4	23.3	23.6	22.3	22.1	
14	20.5	19.8	19.6	16.8	20.1	20.5	21.0	21.9	21.5	21.5	21.0	22.5	20.0	18.9	20.6	22.0	25.3	27.8	26.5	25.5	22.8	22.4	22.4	22.0	21.8	
15	21.3	20.3	20.6	18.7	25.1	22.4	26.9	25.8	21.9	19.7	21.3	20.8	19.8	18.7	19.4	21.1	23.2	24.8	25.9	25.0	23.3	22.5	22.1	21.2	22.2	
16	20.8	20.2	20.0	20.4	21.1	21.5	22.2	21.6	21.6	21.4	21.4	19.8	19.1	18.8	17.6	18.3	21.6	23.8	24.8	24.2	23.0	21.8	21.1	21.0	21.2	
17 D	20.4	20.0	19.8	20.0	20.2	21.3	21.6	22.2	25.0	26.2	20.8	19.8	19.6	19.2	19.3	22.1	23.3	30.7	36.2	26.7	27.3	22.5	27.8	20.7	23.0	
18 D	5.9	10.2	-2.8	16.3	19.7	23.2	25.5	25.4	25.4	23.8	24.9	28.8	27.9	23.2	28.9	26.2	24.8	26.4	27.6	26.6	23.4	27.7	25.0	22.3	22.4	
19 D	13.6	6.5	13.9	18.5	30.4	33.6	26.5	24.4	28.8	20.8	25.4	27.3	26.3	23.7	21.0	22.8	21.0	25.0	24.3	22.2	25.7	23.0	18.5	19.9	22.6	
20 D	19.9	17.8	20.7	24.1	19.9	19.4	21.3	20.8	21.5	24.8	27.6	24.7	23.4	22.0	23.3	24.1	23.7	22.0	27.4	22.5	13.8	19.8	23.2	22.1		
21	19.3	14.7	17.4	22.2	22.6	20.4	25.9	20.7	22.7	22.9	23.7	22.4	22.9	23.1	25.1	20.9	24.2	22.3	24.3	22.5	24.1	25.0	23.0	22.2	22.3	
22	21.1	20.4	18.6	17.9	20.1	21.3	22.0	22.9	26.9	23.6	23.1	25.0	22.1	19.9	19.4	20.2	21.9	23.6	25.1	25.5	25.0	23.1	22.5	21.5	22.1	
23 Q	21.2	21.0	19.7	19.4	19.4	22.2	22.3	22.0	21.5	22.8	21.7	22.0	21.8	20.3	19.3	20.1	22.0	24.0	24.7	24.1	23.5	22.7	21.9	21.8	21.6	
24	21.0	20.6	21.0	21.0	21.2	21.6	21.8	22.0	21.5	20.2	20.6	21.9	20.9	21.0	19.4	21.2	22.1	24.1	25.7	25.5	24.1	22.0	21.0	20.5	21.8	
25 Q	19.2	18.8	20.3	20.2	20.5	21.6	21.9	21.7	21.2	21.0	21.3	21.4	20.4	19.4	18.4	19.4	21.2	23.5	24.4	24.0	23.0	21.9	21.1	21.1	21.1	
26	20.4	19.6	19.4	20.2	20.1	20.0	20.3	21.1	21.2	23.2	20.9	21.2	22.5	20.5	34.7	25.7	25.2	25.6	25.1	24.3	26.2	25.0	20.7	18.4	22.6	
27	21.2	20.1	20.2	20.6	20.9	21.2	21.4	21.7	21.1	20.8	21.0	21.0	20.5	20.1	19.5	20.7	21.0	22.9	23.8	23.9	23.3	21.4	20.4	20.1	21.2	
28	19.8	19.9	20.1	20.6	20.9	21.1	21.6	21.4	21.1	20.8	20.7	20.6	20.2	20.5	20.4	20.1	21.7	22.5	23.5	23.8	23.8	23.1	21.5	21.7	21.3	
29	20.3	19.8	20.0	19.9	19.9	20.4	21.2	21.3	21.1	21.0	20.9	20.8	19.8	20.4	19.5	20.9	21.9	23.3	23.9	23.6	22.7	22.0	21.0	20.4	21.1	
30	19.9	19.7	19.9	20.0	20.4	21.0	21.5	21.5	21.5	21.0	21.0	20.3	19.5	18.7	17.8	19.6	21.2	22.2	21.9	21.9	22.1	22.1	21.5	20.2	20.7	
31	19.8	19.9	19.6	19.4	19.2	19.3	19.8	19.6	19.9	24.7	27.1	20.3	18.5	16.7	20.0	25.3	26.7	26.1	26.2	24.5	22.8	22.7	21.6	20.3	21.7	
Mean	20.0	19.3	19.1	20.3	21.2	21.6	22.2	22.1	22.1	22.1	22.0	21.9	21.1	20.3	21.5	22.3	23.6	25.1	25.6	24.9	24.0	23.0	22.4	21.4	22.0	

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

Table 36 Agincourt

Z = 56,000 γ +

December 1962

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	146	144	144	143	143	143	143	142	142	140	140	139	141	141	138	135	138	141	143	147	145	143	143	142	142	142
2	141	141	140	140	140	140	139	141	141	140	139	139	140	140	136	136	137	140	142	143	142	142	141	141	141	140
3	140	139	139	140	136	140	140	140	140	139	138	138	138	137	135	130	131	134	140	141	137	136	136	135	137	137
4	134	134	134	134	133	132	131	130	122	111	104	99	103	112	117	118	126	136	145	145	143	140	141	145	128	128
5	159	155	148	142	141	140	139	139	141	139	136	136	136	137	137	135	134	134	137	142	141	141	141	141	141	140
6	141	141	140	139	138	138	136	136	137	139	137	137	136	135	134	130	124	124	129	134	136	138	138	139	138	136
7	137	138	137	139	139	139	139	137	136	136	136	135	135	134	130	125	130	135	140	139	138	139	139	139	136	136
8	135	135	135	134	134	134	134	130	124	118	117	122	127	129	130	128	129	132	136	139	140	142	144	145	132	132
9	145	141	141	141	136	122	139	135	136	135	135	135	135	135	133	129	129	131	135	134	134	133	133	133	133	135
10	133	134	133	133	133	131	131	131	131	131	131	131	133	131	127	134	134	129	135	139	140	141	145	155	134	134
11	150	152	153	143	127	129	133	128	132	135	134	131	141	124	128	127	130	135	142	181	172	160	183	183	144	144
12	162	160	158	159	154	148	146	145	142	141	141	141	142	142	141	141	139	140	142	147	147	151	154	163	148	148
13	179	188	166	161	151	147	145	148	143	134	131	133	136	135	128	123	127	129	134	139	142	142	152	152	144	144
14	153	155	153	154	150	147	143	143	142	139	131	124	128	134	136	135	139	142	143	147	146	145	147	142	142	142
15	152	157	166	147	119	115	124	134	141	142	143	142	142	141	139	136	136	140	145	147	147	147	147	145	141	141
16	144	143	142	142	141	140	140	140	137	137	137	136	137	137	136	131	132	137	143	143	143	142	141	140	139	139
17	139	138	137	137	136	136	136	135	131	122	128	130	131	134	130	126	124	148	161	165	173	250	272	237	152	152
18	240	229	148	171	162	151	142	136	142	144	143	137	137	141	146	154	167	164	174	193	236	210	179	161	167	167
19	173	174	161	153	112	89	118	74	61	126	124	131	132	150	148	140	159	158	170	178	167	161	161	161	141	141
20	161	156	143	130	111	136	142	136	105	100	93	127	135	136	145	141	144	156	167	171	173	180	161	161	142	142
21	161	154	150	150	133	131	113	110	123	124	132	137	139	148	148	146	144	151	157	166	168	163	156	151	144	144
22	151	153	150	149	147	147	145	144	138	138	136	142	143	144	143	140	143	144	149	152	153	151	149	149	146	146
23	149	145	144	144	141	140	141	143	142	141	138	140	142	142	141	136	138	141	143	144	144	143	142	140	142	142
24	141	140	140	139	138	138	138	137	136	136	137	137	137	138	140	136	137	139	143	147	148	144	143	141	140	140
25	139	138	138	137	137	137	138	138	138	136	136	136	136	136	137	136	136	136	137	143	143	142	139	138	138	138
26	138	137	136	136	135	135	133	131	136	132	123	124	127	130	126	127	133	136	141	146	154	155	158	159	137	137
27	148	143	138	138	138	137	136	134	134	134	135	137	137	138	137	137	138	137	139	140	143	144	145	143	139	139
28	141	139	139	139	139	138	138	138	138	137	136	136	136	136	134	132	133	137	136	138	139	140	139	139	137	137
29	140	139	139	137	134	127	134	134	136	136	136	136	136	135	134	129	128	133	134	135	139	139	139	139	139	135
30	139	137	137	136	135	135	135	135	135	135	135	135	135	135	136	136	131	130	134	135	135	135	135	137	139	135
31	142	138	137	136	136	136	136	136	136	119	93	99	118	128	127	126	130	135	136	136	141	142	141	141	131	131
Mean	150	149	144	143	137	135	136	134	133	133	131	132	134	136	135	133	136	139	144	148	150	151	151	150	140	140

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (All Days)

Table 37 Agincourt

15,000 γ +

1962

G.M.T	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	894	900	918	912	937	947	952	949	943	947	952	950	934	946	932	924
1-2	893	897	916	919	936	942	948	943	942	945	951	948	932	942	931	922
2-3	892	897	914	919	936	941	948	944	940	942	949	946	931	942	929	921
3-4	892	897	915	918	934	941	946	947	939	939	950	947	930	942	928	922
4-5	887	898	916	918	934	942	946	947	938	942	950	948	930	942	928	921
5-6	892	901	914	918	933	939	945	945	937	941	949	950	930	940	928	923
6-7	893	900	916	917	932	939	944	943	934	941	949	952	930	940	927	924
7-8	894	900	916	918	931	939	942	942	926	942	949	952	929	938	926	924
8-9	894	900	917	918	931	937	946	941	931	945	951	953	930	939	928	924
9-10	896	900	918	920	931	937	945	942	938	946	951	956	932	939	930	926
10-11	897	901	919	922	930	936	942	943	936	948	952	959	932	938	931	927
11-12	899	902	918	918	928	934	942	940	940	945	953	960	932	936	930	928
12-13	897	902	914	914	923	930	938	929	936	939	949	959	928	930	926	927
13-14	895	897	911	905	915	924	930	919	926	929	944	954	921	922	918	922
14-15	886	889	904	895	908	918	923	913	916	918	935	947	913	916	908	914
15-16	876	882	897	889	908	915	922	915	914	916	931	942	909	915	904	908
16-17	870	881	893	895	916	923	928	922	919	919	933	936	911	922	906	905
17-18	872	883	897	909	926	935	939	936	933	924	939	936	919	934	916	908
18-19	879	888	905	922	936	947	950	950	946	932	945	942	928	946	926	914
19-20	885	893	913	933	944	955	960	961	955	942	951	946	936	955	936	919
20-21	894	899	919	935	948	961	964	962	959	946	955	951	941	959	940	925
21-22	898	902	921	934	949	962	961	963	956	946	952	954	942	959	939	926
22-23	896	904	920	931	944	957	959	959	951	946	954	954	940	955	937	927
23-24	895	902	920	925	940	952	957	953	946	946	954	953	937	950	934	926
Mean	890	896	913	917	931	940	945	942	938	939	948	950	929	940	927	921

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (All Days)

Table 38 Agincourt

7° W + ...'

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	19.0	20.3	19.9	18.2	20.2	19.4	19.0	17.7	19.2	19.3	20.7	20.0	19.4	19.1	19.2	20.0
1-2	18.9	20.1	19.4	18.7	20.1	19.3	18.4	16.8	19.1	17.6	20.4	19.3	19.0	18.6	18.8	19.7
2-3	18.3	19.5	18.9	18.2	19.7	19.4	18.2	17.4	18.6	17.4	20.1	19.1	18.7	18.7	18.3	19.2
3-4	18.3	19.7	19.0	17.6	19.6	18.8	17.7	17.8	18.5	19.0	20.9	20.3	18.9	18.5	18.5	19.8
4-5	20.0	19.7	18.8	17.9	19.1	18.7	18.0	18.6	20.3	20.1	21.7	21.2	19.5	18.6	19.3	20.6
5-6	19.6	19.9	18.4	19.4	19.4	19.1	17.7	20.2	19.9	20.0	22.9	21.6	19.8	19.1	19.4	21.0
6-7	20.4	20.8	19.1	20.0	18.6	19.5	19.4	19.9	19.7	20.4	23.0	22.2	20.2	19.4	19.8	21.6
7-8	20.5	20.8	18.8	18.7	18.8	19.7	19.7	21.6	21.2	20.3	23.5	22.1	20.5	20.0	19.8	21.7
8-9	20.5	20.4	18.6	18.8	18.6	20.1	19.0	20.8	19.6	20.7	22.0	22.1	20.1	19.6	19.4	21.2
9-10	20.0	20.1	17.9	18.1	17.8	18.4	17.9	18.0	18.5	20.8	21.0	22.1	19.2	18.0	18.8	20.8
10-11	20.2	19.0	17.7	17.3	16.2	15.2	15.4	15.7	18.1	21.1	21.5	22.0	18.3	15.6	18.6	20.7
11-12	20.6	19.6	17.5	16.4	14.3	13.2	14.5	13.9	16.8	20.9	21.6	21.9	17.6	14.0	17.9	20.9
12-13	20.6	19.2	17.5	15.9	14.4	12.0	13.2	13.4	15.7	20.4	22.2	21.1	17.1	13.2	17.4	20.8
13-14	18.9	18.3	16.7	15.9	15.1	12.8	13.6	14.5	16.6	19.5	21.7	20.3	17.0	14.0	17.2	19.8
14-15	17.7	17.7	16.9	17.9	17.3	15.5	16.3	17.6	19.4	19.8	20.8	21.5	18.2	16.7	18.5	19.4
15-16	18.6	20.2	18.6	20.5	20.8	19.6	19.9	21.8	23.1	21.9	22.6	22.3	20.8	20.5	21.0	20.9
16-17	21.1	22.8	21.8	24.0	24.6	23.9	23.2	25.7	25.9	24.2	25.0	23.6	23.8	24.4	24.0	23.1
17-18	23.4	24.0	24.2	26.4	25.9	26.1	25.3	27.5	27.7	25.4	26.6	25.1	25.6	26.2	25.9	24.8
18-19	24.6	25.0	25.2	27.0	26.6	26.6	26.0	27.3	27.1	26.1	26.9	25.6	26.2	26.6	26.4	25.5
19-20	24.5	25.7	24.7	26.4	25.8	26.4	25.0	25.6	25.3	25.1	25.9	24.9	25.4	25.7	25.4	25.2
20-21	23.4	24.7	23.7	24.9	24.1	25.2	23.9	23.7	22.5	24.2	24.7	24.0	24.1	24.2	23.8	24.2
21-22	22.1	23.0	22.4	23.3	22.3	23.2	22.0	21.7	21.2	21.8	23.6	23.0	22.5	22.3	22.2	22.9
22-23	20.8	22.0	21.4	21.4	21.0	21.5	20.5	20.0	20.5	21.1	23.0	22.4	21.3	20.8	21.1	22.0
23-24	19.8	21.2	20.6	20.1	20.2	19.9	19.9	19.4	19.3	20.9	21.8	21.4	20.4	19.8	20.2	21.0
Mean	20.5	21.0	19.9	20.1	20.0	19.7	19.3	19.9	20.6	21.2	22.7	22.0	20.6	19.7	20.4	21.6

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (All Days)

Table 39 Agincourt

56,000 γ +

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	160	157	157	157	156	161	160	160	163	156	149	150	157	159	158	154
1-2	160	158	157	153	153	157	154	156	160	157	147	149	155	155	157	154
2-3	159	156	157	148	151	155	150	148	155	152	146	144	162	151	153	151
3-4	157	154	156	144	148	150	146	140	143	147	144	143	148	146	148	150
4-5	150	151	153	142	148	143	140	132	136	137	139	137	142	141	142	144
5-6	155	150	152	139	145	137	135	124	134	132	132	135	139	135	139	143
6-7	155	150	150	132	143	138	129	118	127	131	132	136	137	132	135	143
7-8	154	149	149	134	144	140	130	117	120	128	129	134	136	133	133	142
8-9	155	147	150	134	145	141	135	121	127	129	132	133	137	136	135	142
9-10	155	144	149	132	147	142	142	133	134	129	135	133	140	141	136	142
10-11	154	143	150	136	147	144	144	140	136	132	135	131	141	144	138	141
11-12	153	142	152	138	145	145	145	143	144	137	135	132	143	144	143	140
12-13	154	146	152	139	143	144	144	142	146	141	138	134	144	143	144	143
13-14	155	146	151	139	141	143	143	141	145	142	140	136	144	142	144	144
14-15	153	144	148	137	138	143	143	142	145	144	138	135	142	142	144	142
15-16	152	142	146	138	136	143	142	141	147	142	137	133	142	140	143	141
16-17	155	145	146	140	138	144	144	143	150	144	138	136	144	142	145	144
17-18	158	149	150	145	141	146	145	146	155	149	141	139	147	144	150	147
18-19	161	152	153	149	147	149	147	151	160	155	145	144	151	148	154	150
19-20	164	156	156	155	152	154	152	155	169	158	148	148	156	153	160	154
20-21	164	158	157	159	156	158	157	158	170	162	148	150	158	157	162	155
21-22	162	158	158	162	159	160	162	162	168	163	150	151	160	161	163	155
22-23	162	157	159	162	161	162	164	164	168	160	150	151	160	163	162	155
23-24	161	157	158	160	159	162	163	162	165	159	151	150	159	162	160	155
Mean	157	150	153	145	148	148	146	143	149	145	141	140	147	146	148	147

PUBLICATIONS OF THE DOMINION OBSERVATORY

MEAN VALUES OF MAGNETIC ELEMENTS
HORIZONTAL INTENSITY (Quiet Days)

Table 40 Agincourt													15,000 γ +				1962
G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter	
0-1	900	896	924	924	942	947	953	951	950	950	958	957	938	948	937	928	
1-2	898	897	923	926	942	946	954	954	950	946	961	958	938	949	936	928	
2-3	897	896	920	925	943	946	953	953	950	945	959	955	937	949	935	927	
3-4	896	897	923	925	941	946	949	954	947	940	957	954	936	948	934	926	
4-5	896	896	922	925	937	948	948	953	950	939	958	954	936	946	934	926	
5-6	897	898	919	924	938	948	949	953	951	943	957	955	936	947	934	927	
6-7	899	898	919	924	942	946	952	953	952	944	956	957	937	948	935	928	
7-8	900	898	921	923	939	948	951	952	951	948	958	957	937	948	936	928	
8-9	901	898	923	923	938	948	950	951	941	946	961	958	936	947	933	930	
9-10	902	900	923	925	940	946	949	950	952	950	961	960	938	946	938	931	
10-11	901	900	924	925	940	945	948	950	952	952	962	960	938	946	938	931	
11-12	902	899	924	922	939	942	945	944	948	951	960	961	936	942	936	930	
12-13	901	899	921	915	931	936	939	933	940	945	955	962	931	935	930	929	
13-14	898	896	915	908	921	927	933	917	932	922	944	958	923	924	919	924	
14-15	890	888	908	901	913	920	927	909	926	920	940	954	916	917	914	918	
15-16	882	880	901	902	915	919	928	917	926	917	938	950	915	920	912	912	
16-17	875	877	899	910	922	927	934	930	931	920	943	945	918	928	915	910	
17-18	876	879	903	919	932	940	944	942	944	928	950	947	925	940	924	913	
18-19	882	886	911	931	940	952	955	952	955	938	959	952	934	950	934	920	
19-20	889	892	918	940	948	961	959	960	960	947	964	955	941	957	941	925	
20-21	899	901	925	941	950	964	963	966	963	954	965	957	946	961	946	930	
21-22	905	905	928	937	949	964	961	964	962	956	965	961	946	960	946	934	
22-23	905	907	928	932	947	962	960	964	956	954	965	963	945	958	942	935	
23-24	904	907	928	930	947	960	958	956	953	953	963	962	943	955	941	934	
Mean	896	895	919	923	937	945	948	947	948	942	957	956	934	944	933	926	

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (Quiet Days)

Table 41 Agincourt

7° W + ...'

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	19.6	20.4	19.9	18.8	19.6	19.6	20.0	19.7	20.0	18.5	21.0	20.7	19.8	19.7	19.3	20.4
1-2	19.4	20.1	19.6	19.1	20.1	20.3	19.9	20.1	20.3	18.4	20.5	20.7	19.9	20.1	19.4	20.2
2-3	19.4	20.2	19.6	20.0	19.6	20.4	18.6	19.3	19.7	19.3	20.9	20.7	19.8	19.5	19.6	20.3
3-4	19.7	20.2	19.4	19.9	19.5	20.4	18.1	19.5	20.1	19.4	21.9	21.0	19.9	19.4	19.7	20.7
4-5	19.9	20.4	19.4	19.9	19.4	20.1	18.6	19.8	21.0	19.0	22.2	20.9	20.0	19.5	19.8	20.8
5-6	20.2	21.0	19.0	19.7	20.7	20.0	19.0	19.9	21.0	20.1	22.2	21.9	20.4	19.9	20.0	21.3
6-7	20.5	21.0	19.0	19.4	19.6	20.0	20.2	19.3	20.5	21.7	22.1	22.2	20.5	19.8	20.2	21.4
7-8	20.3	20.6	19.0	19.0	19.4	19.4	19.2	18.6	19.5	20.4	22.4	22.0	20.0	19.2	19.5	21.3
8-9	20.3	20.9	18.7	18.3	18.8	18.8	18.8	18.3	19.1	21.5	21.5	21.7	19.7	18.7	19.4	21.1
9-10	20.0	20.3	18.2	18.5	17.8	17.3	17.5	17.4	18.8	21.9	21.3	21.7	19.2	17.5	19.4	20.8
10-11	20.0	19.8	18.1	17.8	15.9	14.5	15.8	16.1	18.4	20.9	21.1	21.3	18.3	15.6	18.8	20.6
11-12	20.0	19.7	17.8	16.6	13.8	12.8	16.6	14.3	17.8	19.3	21.0	21.0	17.6	14.4	17.9	20.4
12-13	19.4	19.1	16.7	15.8	13.1	11.4	13.6	13.0	16.9	17.7	20.2	20.6	16.5	12.8	16.8	19.8
13-14	17.9	17.2	15.5	16.8	13.4	12.3	14.1	13.8	17.0	16.6	19.4	19.9	16.2	13.4	16.5	18.6
14-15	17.1	17.3	15.7	18.7	16.2	15.7	15.7	17.5	19.1	17.9	19.7	19.7	17.5	16.3	17.8	18.4
15-16	18.4	19.0	17.4	20.5	20.1	20.3	19.6	22.5	21.5	21.1	22.0	20.7	20.3	20.6	20.1	20.0
16-17	20.5	21.2	20.7	23.7	24.1	24.5	22.9	25.9	24.4	24.1	24.2	22.4	23.2	24.4	23.2	22.1
17-18	23.1	23.1	23.4	25.9	26.2	26.4	24.2	27.9	27.0	25.6	25.7	24.1	25.2	26.2	25.5	24.0
18-19	24.5	24.1	24.3	26.5	26.7	26.7	24.5	27.4	26.3	26.4	26.0	24.5	25.7	26.3	25.9	24.8
19-20	23.6	24.3	24.2	26.1	25.6	25.7	23.1	25.2	24.6	25.8	24.7	23.6	24.7	24.9	25.2	24.1
20-21	22.7	23.3	23.5	24.7	23.7	24.3	22.7	22.4	22.5	24.4	23.3	23.1	23.4	23.3	23.8	23.1
21-22	20.9	21.9	22.2	23.5	22.0	22.2	21.3	20.3	21.5	23.0	22.6	22.6	22.0	21.4	22.6	22.0
22-23	20.2	21.2	21.3	21.9	20.5	20.5	20.4	19.2	20.8	21.5	22.4	21.9	21.0	20.2	21.4	21.4
23-24	19.5	20.7	20.5	21.0	19.6	19.3	20.2	19.6	20.2	21.4	22.0	21.4	20.4	19.7	20.8	20.9
Mean	20.3	20.7	19.7	20.5	19.8	19.7	19.4	19.9	20.8	21.0	22.1	21.7	20.5	19.7	20.5	21.2

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 42 Agincourt		56,000 γ +											1962			
G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	159	154	153	158	150	150	155	148	154	157	145	141	152	151	156	150
1-2	158	153	152	155	149	150	153	146	153	157	143	141	151	150	154	149
2-3	158	153	153	152	148	149	148	144	151	156	142	140	150	147	153	148
3-4	158	153	153	150	147	148	145	143	150	151	142	140	148	146	151	148
4-5	157	152	153	150	147	147	146	143	151	144	142	139	148	146	150	148
5-6	157	150	152	151	148	145	144	143	147	140	141	139	146	145	148	147
6-7	156	150	151	151	147	145	140	143	148	136	141	139	146	144	146	146
7-8	156	149	152	150	145	146	143	144	149	135	141	139	146	144	146	146
8-9	157	151	151	150	147	146	146	143	150	136	141	139	146	146	147	147
9-10	157	151	151	151	150	149	148	144	150	137	141	138	147	148	147	147
10-11	157	151	152	152	151	150	149	146	150	139	140	137	148	149	148	146
11-12	157	150	154	151	150	147	149	146	151	146	140	137	148	148	150	146
12-13	157	151	155	149	147	146	147	145	149	148	141	138	148	146	150	147
13-14	156	151	154	146	144	145	147	144	146	148	141	138	147	145	148	146
14-15	153	148	151	143	138	145	147	143	146	148	140	135	145	143	147	144
15-16	151	144	146	143	132	146	144	140	144	144	138	131	142	140	144	141
16-17	153	145	145	143	131	145	146	140	147	144	138	133	142	140	145	142
17-18	156	148	149	146	135	144	145	143	149	148	140	136	145	142	148	145
18-19	159	150	152	150	140	143	146	148	153	152	142	139	148	144	152	148
19-20	161	153	153	154	144	145	147	152	157	154	144	141	150	147	154	150
20-21	161	153	155	156	147	147	150	153	157	153	143	141	151	149	155	150
21-22	160	153	156	156	150	150	153	152	155	154	141	141	152	151	155	149
22-23	159	151	156	156	149	151	153	152	155	153	141	140	151	151	155	148
23-24	158	150	155	155	148	150	151	149	156	152	141	139	150	150	154	147
Mean	157	151	152	151	145	147	148	146	151	147	141	138	148	146	150	147

MEAN VALUES OF MAGNETIC ELEMENTS
HORIZONTAL INTENSITY (Disturbed Days)

Table 43 Agincourt

15,000 γ +

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	890	902	912	907	935	949	961	953	948	946	954	921	932	950	928	917
1-2	887	890	911	905	935	945	953	931	949	940	950	919	926	941	926	912
2-3	888	893	912	908	938	941	952	924	946	938	941	921	925	939	926	911
3-4	891	897	911	908	938	939	949	933	945	937	946	928	927	940	925	916
4-5	866	900	914	905	934	936	949	931	935	947	941	924	924	938	925	908
5-6	886	902	908	902	936	924	937	930	931	942	931	933	922	932	921	913
6-7	884	901	913	901	932	930	923	934	915	929	929	944	920	930	914	914
7-8	883	897	914	908	930	932	911	927	870	927	930	937	914	925	905	912
8-9	884	896	912	908	933	932	934	919	892	936	938	941	919	930	912	915
9-10	888	893	913	906	933	926	933	920	921	935	940	951	922	928	919	918
10-11	885	896	917	911	927	929	923	936	906	942	944	956	923	929	919	920
11-12	893	903	916	902	920	928	927	937	936	931	949	955	925	928	921	925
12-13	887	905	906	901	912	924	925	921	935	928	942	955	920	920	918	922
13-14	889	890	908	894	909	926	914	912	917	923	948	948	915	915	910	919
14-15	865	880	899	879	896	923	907	909	906	912	936	934	904	909	899	904
15-16	860	868	904	865	902	917	903	908	905	913	923	924	899	908	897	894
16-17	857	871	885	876	907	920	920	912	905	907	923	910	899	915	893	890
17-18	860	872	889	899	918	928	940	931	922	918	925	901	909	929	907	890
18-19	864	874	896	910	925	938	947	945	936	925	929	911	917	939	917	894
19-20	873	878	902	929	933	948	959	961	957	937	937	913	927	950	931	900
20-21	880	885	909	934	945	962	962	961	963	938	948	927	934	958	936	910
21-22	883	888	910	928	947	967	949	969	963	934	933	934	934	958	934	910
22-23	880	890	911	925	942	956	949	959	953	934	942	931	931	952	931	911
23-24	880	889	913	921	932	953	953	946	938	938	946	929	928	946	928	911
Mean	879	890	908	906	927	936	937	934	929	931	939	931	921	934	918	910

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (Disturbed Days)

Table 44 Agincourt

7° W + ...'

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	17.7	20.0	19.6	13.8	20.4	17.6	16.7	18.1	20.5	17.9	21.8	16.0	18.3	18.2	18.0	18.9
1-2	18.4	20.2	18.9	17.0	19.6	19.0	16.8	10.9	19.6	12.1	20.2	15.0	17.4	16.6	17.2	18.4
2-3	16.4	18.0	19.1	17.2	17.9	18.5	17.3	13.7	15.7	17.4	18.2	14.2	17.0	16.8	17.4	16.7
3-4	16.6	19.1	19.4	14.9	18.0	14.8	15.8	12.6	12.4	20.1	19.7	19.8	16.9	15.3	16.7	18.8
4-5	22.8	19.0	18.6	16.1	16.9	14.4	17.4	15.8	18.9	20.2	21.7	23.2	18.8	16.1	18.4	21.7
5-6	17.4	19.1	17.7	21.1	17.7	17.1	15.0	19.5	20.5	19.0	26.2	23.4	19.5	17.3	19.6	21.5
6-7	20.5	20.8	18.6	21.7	17.4	17.9	20.2	19.4	20.5	19.2	21.5	23.0	20.1	18.7	20.0	21.4
7-8	19.5	20.5	19.6	17.9	18.3	17.8	19.6	25.3	30.9	19.6	25.5	22.6	21.4	20.2	22.0	22.0
8-9	19.9	20.1	19.5	18.8	18.1	19.2	18.6	27.1	22.4	19.0	21.1	23.5	20.6	20.8	19.9	21.2
9-10	18.9	20.6	19.2	20.3	17.7	22.1	16.9	21.5	21.2	20.3	19.8	23.1	20.1	19.6	20.2	20.6
10-11	21.1	18.6	17.6	18.5	16.1	13.8	13.9	13.2	21.0	20.7	23.3	24.2	18.5	14.2	19.4	21.8
11-12	25.1	20.5	17.3	18.1	14.7	11.0	13.8	11.8	15.5	22.9	22.5	24.3	18.1	12.8	18.4	23.1
12-13	26.5	19.5	21.7	18.9	18.3	10.7	13.2	12.9	13.4	24.8	29.8	23.6	19.4	13.8	19.7	24.8
13-14	23.6	21.9	21.0	17.7	17.9	12.2	15.0	14.7	15.4	25.5	29.0	21.8	19.6	15.0	19.9	24.1
14-15	22.2	19.1	21.7	20.2	18.6	15.1	19.1	17.6	19.1	21.7	22.8	23.9	20.1	17.6	20.7	22.0
15-16	20.9	23.4	22.4	21.8	22.3	18.0	21.9	21.4	24.3	24.1	22.8	24.7	22.3	20.9	23.2	23.0
16-17	23.3	26.3	24.9	25.0	26.0	21.4	25.3	26.8	26.9	25.8	24.2	24.7	25.0	24.9	25.6	24.6
17-18	24.9	27.3	26.5	26.0	25.7	25.2	25.9	27.3	29.2	26.6	26.0	27.2	26.5	26.0	27.1	26.4
18-19	26.4	26.9	27.3	26.9	26.8	27.0	25.0	27.3	29.9	25.9	27.4	27.9	27.0	26.5	27.5	26.9
19-20	25.9	29.4	26.2	27.0	26.2	27.7	23.8	26.0	28.3	24.7	26.8	26.8	26.6	25.9	26.6	27.2
20-21	24.8	28.0	24.9	25.1	23.9	25.5	22.7	23.9	23.8	24.0	26.3	24.8	24.8	24.0	24.4	26.0
21-22	23.3	24.3	22.6	24.6	22.5	24.2	20.7	21.7	22.7	20.4	24.1	22.8	22.8	22.3	22.6	23.6
22-23	21.4	22.2	20.6	19.6	21.2	22.1	19.5	20.1	21.1	19.2	24.0	23.7	21.2	20.7	20.1	22.8
23-24	19.2	20.3	20.4	18.5	19.4	19.5	20.0	18.7	14.2	21.3	22.6	21.3	19.6	19.4	18.6	20.8
Mean	21.5	21.9	21.1	20.3	20.1	18.8	18.9	19.5	21.1	21.4	23.6	22.7	20.9	19.3	21.0	22.4

MEAN VALUES OF MAGNETIC ELEMENTS
VERTICAL INTENSITY (Disturbed Days)

Table 45 Agincourt

56,000 γ +

1962

G.M.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	161	167	159	162	159	165	161	178	163	162	155	173	164	166	162	164
1-2	163	169	159	154	157	160	151	169	159	172	152	170	161	159	161	164
2-3	160	163	158	151	148	157	143	149	151	164	153	148	154	149	156	156
3-4	156	157	159	138	138	146	135	130	134	157	148	147	145	137	147	152
4-5	116	149	151	137	141	123	119	105	107	134	131	130	129	122	132	132
5-6	152	143	148	119	141	116	109	110	104	129	94	128	124	119	125	130
6-7	151	143	148	107	136	118	95	103	89	120	100	134	120	113	116	132
7-8	151	144	139	113	141	118	103	74	39	98	96	123	112	109	97	128
8-9	154	143	144	106	145	118	116	66	90	96	108	114	117	111	109	130
9-10	154	132	141	97	147	107	136	91	111	97	124	125	122	120	112	134
10-11	147	127	142	106	139	119	134	116	98	118	122	124	124	127	116	130
11-12	138	122	145	111	132	130	137	132	124	126	127	131	130	133	126	130
12-13	139	133	144	119	126	130	142	141	137	133	133	135	134	135	133	135
13-14	143	138	144	127	128	132	142	135	139	136	140	137	137	134	136	140
14-15	146	134	141	130	130	134	142	138	141	140	136	139	138	136	138	139
15-16	152	134	143	136	139	139	143	141	146	141	132	138	140	140	142	139
16-17	161	144	145	146	144	145	149	144	151	147	137	145	146	146	147	147
17-18	164	149	153	155	152	149	150	147	156	157	143	152	152	150	155	152
18-19	170	157	158	162	164	155	155	153	166	166	149	163	160	157	163	160
19-20	172	166	165	174	174	165	160	160	200	169	152	178	170	165	177	167
20-21	173	170	165	184	175	169	164	166	199	183	155	184	174	168	183	170
21-22	171	165	164	194	174	173	176	175	186	186	162	192	176	174	182	172
22-23	172	164	166	191	174	173	178	181	196	175	163	191	177	176	182	172
23-24	171	166	162	178	172	172	174	173	181	169	163	181	172	173	172	170
Mean	156	149	152	142	149	142	142	136	140	145	136	149	145	142	145	148

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Table 46

(K₃ = 600 γ)

January					February				
	D	H	Z	K	D	H	Z	K	
1	0401 0001	1200 0001	0200 0100	1401 0101	0000 0000	0000 0000	0000 0000	0000 0000	
2	2233 2100	1233 1100	0022 0100	2233 2100	1010 1101	2000 0011	0000 0000	2010 1111	
3	0001 0000	0000 1000	0000 0000	0001 1000	0110 2210	0010 0111	0000 1000	0110 2211	
4	0001 1000	0001 0000	0000 0000	0001 1000	0123 5322	1113 3333	0001 2222	1123 5333	
5	0001 1000	0000 0000	0000 0000	0001 1000	1200 2100	3200 1111	1100 0000	3200 2111	
6	0211 1000	0101 0000	0000 0100	0211 1100	0100 1012	1000 0023	0000 1011	1100 1023	
7	0000 1001	0000 1101	0000 0000	0000 1101	4244 2411	3333 2310	1333 1110	4344 2411	
8	1111 1100	1000 0100	0000 0100	1111 1100	0111 2100	0100 1000	0000 0000	0111 2100	
9	1201 3111	0100 1221	0100 0000	1201 3221	3011 2000	2011 0001	0000 0000	3011 2001	
10	3736 5335	4625 5433	1725 4333	4736 5435	1200 1000	1100 0000	0100 0000	1200 1000	
11	4421 2110	3222 1131	2110 0010	4422 2131	1102 2213	1101 1132	0000 1124	1102 2234	
12	1220 1001	0200 0001	0000 0000	1220 1001	6133 2223	6121 1132	6221 1121	6233 2233	
13	1211 2000	1201 1200	0110 0000	1211 2200	2313 3212	1311 1123	1211 1111	2313 3223	
14	0011 2313	0001 1333	0000 1113	0011 2333	3331 1113	1211 1122	3311 0011	3331 1123	
15	2231 1113	2121 1222	1111 1111	2231 1223	1311 1231	1300 1141	0200 0120	1311 1241	
16	3222 4203	1121 1111	0201 1100	3222 4213	1125 4445	1215 5443	0025 4332	1225 5445	
17	1210 1000	1200 0100	0100 0000	1210 1101	2243 1110	2132 1111	1243 1110	2243 1111	
18	0001 1100	0000 0100	0000 0110	0001 1110	0002 1120	0002 0131	0001 0111	0002 1131	
19	1131 2321	2121 2321	1020 1220	2131 2321	0003 2000	0110 0000	0010 1100	0113 2100	
20	0111 1100	0100 0110	0000 0000	0111 1110	0031 1000	0010 1001	0011 0100	0031 1101	
21	2132 3101	1111 2101	1011 1000	2132 3101	0021 3311	0010 2111	0010 1110	0021 3311	
22	0010 0000	0010 0000	0010 0000	0010 0000	1333 3200	3321 2210	2221 0100	3333 3210	
23	0000 0000	0000 0000	0000 0000	0000 0000	1303 3221	1201 2121	0201 0100	1303 3221	
24	0000 0000	0000 1100	0001 0000	0000 1100	0233 2111	0101 1121	0111 1111	0233 2121	
25	0112 1101	0111 0211	0000 1000	0112 1211	0120 2112	0210 1122	0000 1011	0220 2122	
26	0012 3210	2111 1122	0000 0110	2112 3222	1211 3432	0101 2323	0101 2221	1211 3433	
27	0323 2101	1113 1111	0212 1100	1323 2111	2113 4220	2222 3221	0003 2010	2223 4221	
28	0111 0000	0110 0000	0000 0000	0111 0000	0021 2100	0011 1000	0010 0000	0021 2100	
29	0111 2000	0100 0102	0100 0000	0111 2102					
30	1332 2210	1120 1000	0120 1000	1332 2210					
31	1000 0000	0000 0000	0000 0000	1000 0000					
March					April				
	D	H	Z	K	D	H	Z	K	
1	0032 2211	0021 2212	0021 1111	0032 2212	0245 2100	1242 1111	0134 1000	1245 2111	
2	1120 2121	2110 2112	0000 1101	2120 2122	0301 1113	0200 0124	0200 0113	2301 1124	
3	0010 3112	1000 3121	0000 1011	1010 3122	2231 2311	4221 2222	2330 0121	4331 2322	
4	2001 2110	2100 1111	2000 0000	2101 2111	2244 2211	2233 1213	1123 0101	2244 2213	
5	0034 4231	0012 5332	0012 3111	0034 5332	4301 1000	3100 1111	2100 0000	4301 1111	
6	1344 5321	2433 4332	1432 2210	2444 5332	0535 2233	1333 2254	0334 2144	1535 2254	
7	2341 2100	1121 2210	0120 1100	2341 2210	6665 4235	5665 4444	4655 3234	6665 4445	
8	0221 1000	0200 0000	0100 0000	0221 1000	5532 3223	4321 3433	4412 1422	5532 3433	
9	0000 1100	0000 0111	0000 0000	0000 1111	4131 2201	3111 2122	1120 0011	4131 2222	
10	2223 2202	3221 2132	1112 1012	3223 2223	0414 4325	1314 3433	0214 3234	1414 4435	
11	3313 2210	2422 1221	2421 0110	3423 2221	5443 3212	4332 2322	5333 2111	5443 3322	
12	2133 3323	1122 3323	0011 1111	2133 3323	4101 1102	3201 1222	3200 1113	4201 1223	
13	3112 1000	3111 1001	1000 0000	3112 1001	3110 0104	0100 0222	0000 0112	3110 0224	
14	0111 1110	0011 1111	0010 0010	0111 1111	3110 0000	1100 0101	1000 0100	3110 0101	
15	1321 1101	2321 1123	1300 0001	2321 1123	2000 0322	1000 0333	0000 1122	2000 1333	
16	0111 1100	0010 1011	0010 0000	0111 1111	2102 1111	3200 1222	1000 0011	3202 1222	
17	0121 2100	1100 1100	0110 0000	1121 2100	4412 2100	3311 1221	1300 1111	4412 2212	
18	0011 3100	0011 2111	0000 1110	0011 3111	0222 3311	0000 0032	0111 1122	0222 3332	
19	2132 3221	2121 3122	1010 1121	2132 3222	4331 1001	4120 0112	2120 1101	4331 1112	
20	0311 3322	1221 2233	0200 1012	1321 3333	2311 2320	2200 0321	1200 0120	2311 2321	
21	1232 3214	1231 3333	1130 1123	1232 3334	3312 1432	2121 1434	2110 0333	3322 1434	
22	0000 1101	0010 0113	0000 0101	0010 1113	4543 4423	3433 2332	4443 2312	4543 4433	
23	0002 3100	0001 1100	0001 1000	0002 3100	3443 2300	2322 2300	3342 1110	3443 2310	
24	3001 2110	3000 1111	1001 0100	3001 2111	0011 2100	0011 2231	0000 0000	0011 2231	
25	3432 2100	3331 2110	0220 1000	3432 2110	1044 3420	0022 2431	0022 1220	1044 3431	
26	3101 1100	2000 0011	1000 0000	3101 1111	1352 2210	1242 2122	0443 2110	1453 2222	
27	1011 1100	1110 1010	0010 0000	1111 1110	1231 1101	1221 2121	0330 0110	1331 2121	
28	0000 2202	0000 1221	0000 1111	0000 1222	1312 1211	2311 2123	1330 2112	2332 2223	
29	2231 1000	3110 1010	2120 0010	3231 1010	2111 2111	1010 2022	1000 1001	2111 2122	
30	1000 1000	1000 0111	0000 1100	1000 1111	3111 1101	1111 1222	0000 0012	3111 1222	
31	0010 1101	1120 0112	0010 0100	1120 1112					

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May						June										
	D	H	Z	K		D	H	Z	K							
1	4221	0023	3100	0123	1200	1112	4211	0123	3243	1111	3122	1122	3321	0012	3343	1122
2	1321	1211	1231	2213	0231	0112	1331	2213	2201	0112	2201	0112	2200	1111	2201	1112
3	3322	1010	2121	1111	3211	1000	3322	1111	0100	1201	0001	2233	0000	0021	0101	2233
4	2020	0000	1020	0000	1020	0000	2020	0000	3133	2223	3011	2233	3022	1222	3133	2233
5	0010	1001	0000	0124	0000	0112	0010	1124	1233	1214	1231	1134	1111	0223	1233	1234
6	1103	3323	1213	4344	0101	2332	1213	4344	3142	1111	4231	1122	2241	0111	4242	1122
7	4311	1101	3211	1122	3201	1011	4311	1122	1133	2210	1231	1120	0031	0001	1233	2221
8	2010	1102	2200	1122	1010	1012	2210	1122	0111	1001	0110	0111	0100	0100	0111	1111
9	1301	0000	1100	0110	1001	1000	1301	0110	2435	2134	3332	3244	1433	1132	3435	3244
10	2412	2310	2111	1211	1111	1101	2412	2311	4535	2101	2432	2211	3433	1100	4535	2211
11	0021	1322	0121	1222	0110	2211	0121	2322	0332	2111	1210	2112	0321	1101	1332	2112
12	0111	0001	1011	0111	0010	1001	1111	1111	3132	2110	2021	2221	1021	1010	3132	2221
13	1311	3223	1211	3243	0310	1022	1311	3243	1231	1000	1210	0111	0110	0011	1231	1111
14	3433	2113	2220	3233	3222	1121	3433	3233	0322	2111	0301	1123	0310	1011	0322	2123
15	4331	3220	2322	3331	3330	1121	4332	3331	4512	2210	3321	2221	1311	0120	4322	2221
16	1324	2012	1333	1022	0332	1111	1334	2122	3021	1011	3101	1131	1000	1110	3121	1131
17	0011	0011	0000	0121	0000	1111	0011	0121	0001	1100	1000	0011	0000	0100	1001	1111
18	1101	1100	0000	1000	0000	1100	1101	1100	1100	0000	1100	0010	0000	1010	1100	0010
19	1041	2311	1132	2321	0133	1111	1143	2321	1101	1100	0101	1112	0100	0111	1101	1112
20	0122	1300	2211	1211	0201	1101	2222	1311	1121	1000	1120	0112	1011	1100	1121	1112
21	1001	1001	1001	2001	0000	1001	1001	2001	1101	1331	1102	1243	0100	1022	1102	1343
22	1001	2000	1001	2112	0001	1100	1001	2112	2521	1111	3221	1232	1430	0111	3531	1232
23	0210	0000	0111	1110	0000	1010	0211	1110	2333	2241	2331	2343	1332	1132	2333	2343
24	0101	1000	1200	0110	0000	1100	1201	1110	2122	2212	2111	2132	1011	0011	2122	2232
25	0000	0000	0000	0011	0000	0001	0000	0011	2321	1110	1231	1122	0130	1010	2331	1122
26	0001	2001	0111	2113	0000	1112	0111	2113	0120	1112	1011	1134	0010	0012	1121	1134
27	1323	2312	2321	3433	0331	1123	2333	3433	3444	3232	2342	4354	2443	2122	3444	4354
28	1312	2222	1211	2223	0101	0232	1312	2233	3334	3223	2233	2234	3343	2123	3344	3234
29	2331	1000	1222	1021	0133	1110	2333	1121	3433	2212	3232	3333	3222	1111	3433	3333
30	0210	1000	0100	1111	0100	0101	0210	1111	2444	2201	2332	2222	1441	0120	2444	2222
31	0234	3313	0233	4333	0134	3323	0234	4333								
July										August						
	D	H	Z	K		D	H	Z	K							
1	1333	3211	2222	2222	0212	1110	2333	3222	5666	3324	5446	3324	4655	3123	5666	3324
2	1111	1121	2121	0123	0022	0121	2122	1123	1311	2111	2412	2212	0301	0111	2412	2212
3	2131	2211	2010	1232	1021	0120	2131	2232	1331	1112	2211	2123	1321	1012	2331	2123
4	2432	2222	2321	3233	1330	1132	2432	3233	1331	2200	0121	1111	0121	0011	1331	2211
5	2554	2212	2541	2232	3442	0021	3554	2232	3143	2111	1122	1121	1032	0111	3143	2121
6	4334	2121	3433	2122	2232	1111	4434	2122	2463	3321	2332	3334	1432	2222	2463	3334
7	1113	1123	1001	1234	0001	1222	1113	1234	3332	1333	4332	2344	3332	2232	4332	2344
8	1331	2121	2320	2233	0231	0123	2331	2233	5453	3322	4252	3334	4455	1113	5455	3334
9	2331	1001	2210	1122	0110	0100	2331	1122	5343	2112	3332	3233	3442	0111	5343	3233
10	1120	1211	2100	2222	1000	1110	2120	2222	3342	2101	2231	2102	1232	2101	3342	2102
11	1233	2221	2122	1233	1121	0111	2233	2233	2100	1000	1000	1000	0000	0000	2100	1000
12	0432	1211	1332	2212	0332	1111	1432	2212	0211	1000	0101	1112	0100	1000	0211	1112
13	3121	2222	2210	2233	2101	1222	3221	2233	0001	1001	0010	0023	0000	0102	0011	1123
14	3332	1212	2330	1222	2331	0221	3332	1222	1300	1111	2312	2134	1300	1022	2312	2134
15	3000	1110	2000	0122	1000	1110	3000	1122	2454	2212	2442	1233	1653	1124	2654	2234
16	2200	1000	2100	1000	2100	0000	2200	1000	6451	1114	4331	2245	5440	0033	6451	2245
17	0001	0001	0000	0001	0000	0001	0001	0001	5332	2224	3232	1434	4232	1124	5332	2434
18	1001	1111	0100	0122	0000	0010	1101	1122	3452	2211	3442	2223	1553	1211	3553	2223
19	0122	2112	1222	2233	0011	1121	1222	2233	5553	1103	3331	2222	2442	0001	5553	2223
20	2452	2210	2332	2223	2443	0111	2453	2223	2011	1000	2001	1101	0000	0000	2011	1101
21	2312	1223	3202	2234	1301	0022	3312	2234	1001	1102	1000	1124	0000	0013	1001	1124
22	2331	0002	3120	0112	1031	1112	3331	1112	5551	2224	4451	2243	6561	1133	6561	2244
23	1233	1021	1121	1121	0232	0121	1233	1121	4433	3211	3322	2333	4332	1211	4433	3333
24	2011	1342	2100	2244	0000	0232	2111	2344	3352	3212	3242	4323	3352	2112	3352	4323
25	4532	2000	3321	0112	5441	0011	5542	2112	5431	1113	4211	1123	3311	0102	5431	1123
26	1664	4224	3575	4334	1565	3223	3675	4334	2332	1110	1211	1122	1320	0120	2332	1122
27	5432	3321	5422	3334	4421	1222	5432	3334	3230	0000	1100	0010	1210	0000	3230	0010
28	5441	3202	4341	2422	4441	1222	5441	3422	2301	1000	1100	0000	0000	0000	2301	1000
29	4241	1110	3121	0221	3121	0011	4241	1221	1424	2112	0233	2133	0332	1013	1434	2133
30	3320	0000	2210	0011	2320	0001	3320	0011	3331	1211	2131	3122	1331	2010	3331	3222
31	0102	0143	0111	0144	0000	0133	0112	0144	5554	3000	4442	1021	4443	2000	5554	3021

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September						October										
	D	H	Z	K		D	H	Z	K		D	H	Z	K		
1	3244	3322	2344	2243	2255	0122	3355	3343	4455	5344	2444	4444	2453	3354	4455	5454
2	5554	4232	2443	5344	0444	2132	5554	5344	5353	4211	4252	3311	3352	2200	5353	4311
3	4534	3235	3424	3345	3423	2145	4534	3345	1242	3101	0231	3112	0232	1100	1242	3112
4	4544	2233	3554	1423	2544	2212	4554	2433	2232	1011	1221	0112	1332	0000	2332	1112
5	1334	1211	0233	1113	0233	0001	1334	1213	0220	1231	0110	1233	0010	0143	0220	1243
6	3543	3121	2441	1122	1552	1122	3553	3122	5331	2201	3330	2002	3330	0000	5331	2202
7	4443	2100	2221	1121	3143	0010	4443	2121	1321	1023	1212	0034	0211	0012	1322	1034
8	3442	1001	3222	1011	0254	1001	3454	1011	6234	2223	5233	2333	6323	1222	6334	2333
9	2301	1123	1201	2023	0310	1012	2311	2123	6534	4225	5432	3222	5443	2112	6544	4225
10	2532	1000	2331	0011	2532	0000	2532	1011	5432	4222	3312	4322	3223	2210	5433	4322
11	1014	1000	2013	0023	0013	0002	2014	1023	3542	3112	2432	3232	2532	2112	3542	3232
12	1184	3244	2285	3455	1285	2264	2285	3465	3124	2000	3112	1100	1012	0100	3124	2100
13	3432	2341	2231	2332	3341	1231	3442	2342	0013	2113	0003	3223	0002	2113	0013	3223
14	3441	1102	3231	0122	0330	0001	3441	1122	4454	3233	2344	2233	3443	1122	4454	3233
15	3452	1012	2431	1122	0341	0011	3452	1122	2322	1101	2221	1212	1311	0001	2322	1212
16	1212	1112	1200	1122	0200	1111	1212	1122	1115	3111	1114	3132	0003	2011	1115	3132
17	1231	1100	1200	1112	0210	1011	1231	1112	4221	1000	3111	0011	2011	0000	4221	1011
18	0011	1001	0010	0022	0000	0111	0011	1122	4311	2101	3301	1221	2200	0111	4311	2221
19	1343	3345	2343	3345	0452	2144	2453	3345	0055	4312	0044	4332	0055	2121	0055	4332
20	5223	2000	4212	1110	4312	1010	5323	2110	1211	2212	1000	2234	0000	1022	1211	2234
21	1331	2201	1211	2232	0220	1111	1331	2232	4322	1211	3311	0311	3310	0110	4322	1311
22	3433	2231	3322	2232	4323	1221	4433	2232	3334	3213	1313	4234	1223	2223	3334	4234
23	3532	1001	3422	0112	3421	0001	3532	1112	6332	2111	3222	1123	3222	2011	6332	2123
24	2320	0010	1110	0021	0200	0010	2320	0021	3421	3224	2311	3333	0201	1222	3421	3334
25	0001	1112	0000	1222	0000	0011	0001	1222	4354	4334	3333	3434	3433	2233	4454	4434
26	4431	2311	4531	2432	4530	1321	4531	2432	4444	3343	3233	4343	3354	3243	4454	4343
27	4222	1100	2220	1112	2222	1000	4222	1112	4442	4314	3232	4323	2442	3212	4442	4324
28	3111	2223	2100	1212	2100	1102	3111	2223	4422	2123	3312	1222	2323	1121	4423	2223
29	1133	2224	1334	2125	0332	1124	1334	2225	3222	2102	3121	1113	0120	1110	3222	2113
30	4232	2121	4323	3101	3323	2011	4333	3121	2333	3212	2222	1222	0121	1111	2333	3222
31									2321	2002	1211	1122	0311	0100	2321	2122
November						December										
	D	H	Z	K		D	H	Z	K		D	H	Z	K		
1	1203	1001	1101	0022	0001	0100	1203	1122	3302	1100	2101	0220	0000	0000	3302	1220
2	2202	3214	1200	2123	0100	1114	2202	3224	0111	0000	0100	0011	0000	0000	0111	0011
3	3112	2113	2012	2232	3021	0011	3122	2233	0100	1100	0200	0120	0000	0000	0200	1120
4	3332	1213	1222	1322	0221	0202	3332	1323	0135	4321	0323	3321	0123	2211	0335	4321
5	1131	1000	1121	1110	0141	1100	1141	1110	4001	2100	3010	1100	2000	0000	4011	2100
6	3222	3134	2421	2233	2411	1122	3422	3234	2110	0000	0000	0000	0000	0000	2110	0000
7	5413	2001	4302	2012	2311	1010	5413	2012	0100	1001	0000	0000	0000	0000	0100	1001
8	0111	2100	0010	2110	0000	0000	0111	2110	0023	1001	0001	0101	0011	0000	0023	1101
9	2000	0002	1000	0002	0000	0100	2000	0102	2411	1000	1200	0001	1200	0000	2411	1001
10	2100	0000	2100	0011	0000	0000	2100	0011	0000	1014	1110	0003	0000	0002	1110	1014
11	0342	2111	0222	2211	0232	1100	0342	2211	3433	3244	2422	2234	0320	1143	3433	3244
12	3000	0000	1000	0101	0000	0000	3000	0101	1300	0123	2100	0133	1100	0012	2300	0133
13	0000	0100	0000	0010	0000	0000	0000	0110	5222	3022	4222	2223	3111	1011	5222	3223
14	0100	1030	0000	0130	0000	0120	0100	1130	2412	2112	1312	1222	0202	1110	2412	2222
15	0223	6134	0333	4243	0332	4223	0333	6244	3442	1011	2320	1011	2320	0000	3442	1011
16	5443	3222	4332	3322	5332	2211	5443	3322	1011	1100	0000	0101	0000	0100	1011	1101
17	4311	2200	3200	1100	2100	0000	4311	2200	0133	2545	1001	1535	0011	1435	1133	2545
18	0000	0000	0000	0001	0000	0000	0000	0001	6423	4243	5322	4233	6321	2354	6423	4354
19	0000	1011	0000	0021	0000	0000	0000	1021	4444	3434	4452	2443	3552	3321	4554	3444
20	0120	1000	0010	0101	0000	0000	0120	1101	4544	3334	3532	4444	3444	1213	4544	4444
21	0243	3133	2132	2233	0043	2222	2243	3233	4333	2332	3332	2333	1331	2221	4333	2333
22	4555	4224	3443	3234	2543	2222	4555	4234	2222	1222	1112	2212	0011	0100	2222	2222
23	3432	3212	3423	2223	3322	1111	3433	3223	1201	0000	1100	0000	0000	0000	1201	0000
24	2334	3212	2233	2222	0123	2111	2334	3222	0011	2100	0000	1100	0000	0000	0011	2100
25	2334	3211	2333	3222	1232	1110	2334	3222	2100	0000	1100	0000	0000	0000	2100	0000
26	3101	1100	2100	1110	0000	0000	3101	1110	0123	4314	0122	4323	0012	2111	0123	4324
27	1132	1121	1111	1222	0010	0100	1132	1222	1000	1101	0000	1112	0000	0000	1000	1112
28	1322	2100	1211	1100	0120	0000	1322	2100	0000	1101	0000	1200	0000	0000	0000	1201
29	2012	2110	0011	1221	0002	0010	2012	2221	0110	1000	0200	0100	0100	0000	0210	1100
30	4555	4112	4544	2112	3643	1001	4655	4112	0001	0002	0000	0002	0000	0000	0001	0002
31									1013	3211	1003	2210	0003	1000	1013	3211



