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RECORD OF OBSERVATIONS AT
AGINCOURT MAGNETIC OBSERVATORY
1961

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AGINCOURT MAGNETIC OBSERVATORY, 1961

Geographic Latitude 43° 57' North

Geomagnetic Latitude 55.0° North

Geographic Longitude 79° 16' West

Geomagnetic Longitude 347.0° East

Absolute Instruments

The absolute instruments and their corrections to International Magnetic Standard were as follows:

for D, I.M.S. = Elliott 48	-0.8'
for I, I.M.S. = Toepfer 89	-0.15'
for H, I.M.S. = QHM 258	+3.7 γ
for H, I.M.S. = Schuster-Smith	0.0 γ
for F, I.M.S. = Proton Precession Magnetometer (4257.60 cps per oersted)	0.0 γ

Variometers

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

An electrical recording magnetometer, Type T613, Dominion Observatory design (Serson 1957) 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, quiet or disturbed, of the magnetic elements.

The scale values per millimeter of these variometers during 1961 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	2.2'	8.0 γ

Absolute Observations and Base-line Values

Absolute observations were made at least one a week. Base-line values were adopted by using French curves and getting the best fit to the observed values. The r.m.s. differences of the observed minus the adopted base-line values were 1.0' in declination, 6 gammas in horizontal intensity, and 2 gammas in vertical intensity.

Notes on the Tables

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

Table 58 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.

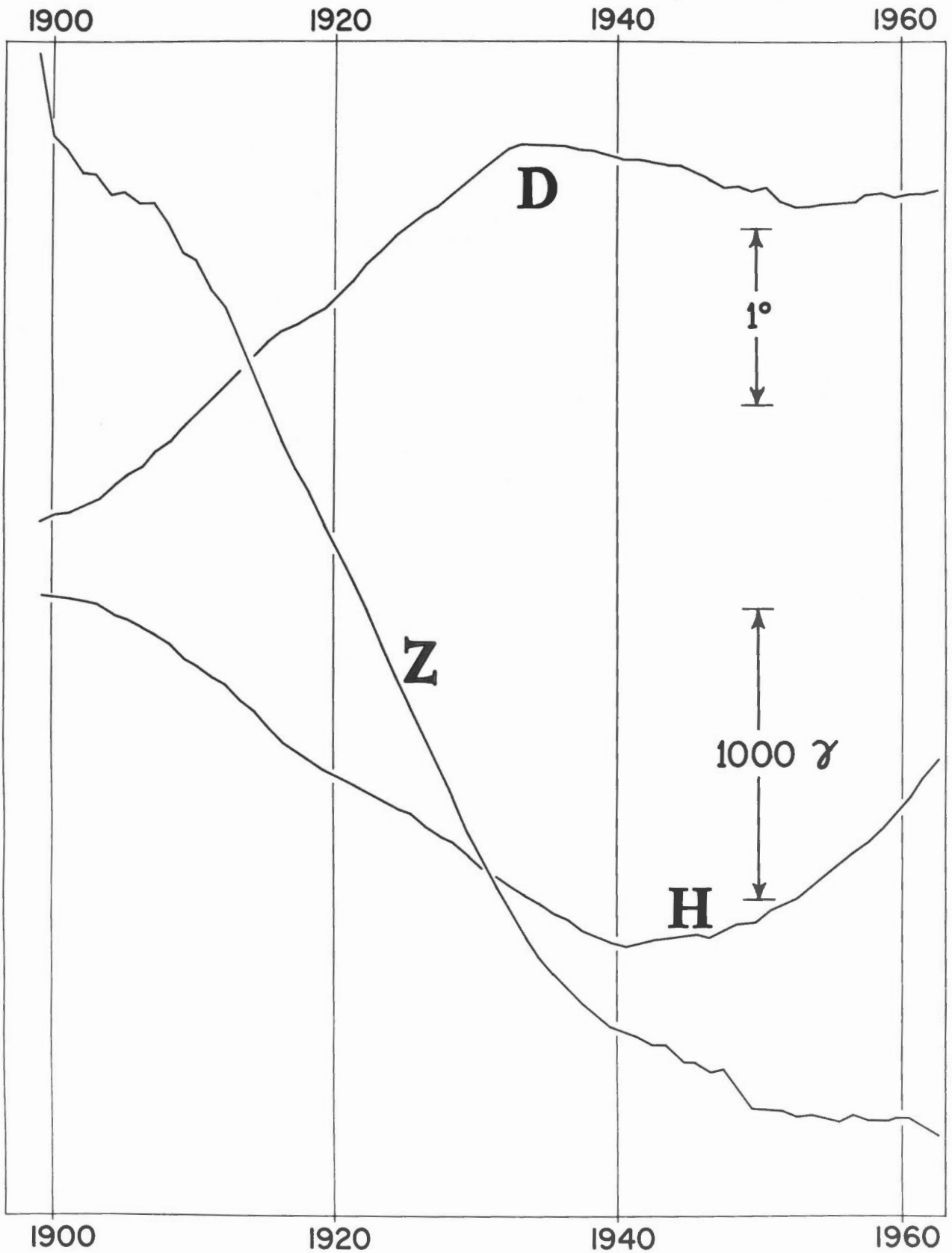
ANNUAL MEANS

Year	D	H	Z	I	F
	° ' "	γ	γ	° ' "	γ
1899	5 27.7	16491	59789	74 34.8	62021
1900	28.8	497	594	31.6	61835
1901	30.5	490	542	31.2	783
1902	32.6	472	470	31.1	709
1903	35.0	460	467	31.7	703
1904	39.3	429	395	32.3	626
1905	43.1	411	404	33.4	629
1906	46.2	387	365	34.1	585
1907	51.5	357	364	35.7	576
1908	55.0	322	290	36.5	496
1909	6 00.3	277	194	37.5	391
1910	04.8	248	163	38.6	353
1911	09.9	212	065	39.1	250
1912	14.6	184	004	39.7	183

PUBLICATIONS OF THE DOMINION OBSERVATORY

ANNUAL MEANS (Continued)

Year	D	H	Z	I	F
	° ' "	γ	γ	° ' "	γ
1913	6 19.3	16137	58893	74 40.6	61064
1914	24.7	092	775	41.3	60939
1915	29.4	034	657	42.7	809
1916	33.4	15987	538	43.5	682
1917	36.2	950	449	44.2	587
1918	38.3	916	366	44.8	496
1919	41.0	885	260	44.9	386
1920	45.4	865	166	44.6	291
1921	50.6	839	065	44.5	185
1922	56.2	809	57961	44.6	078
1923	7 00.9	784	849	44.3	59963
1924	05.8	752	733	44.3	843
1925	09.7	727	628	44.2	736
1926	13.4	692	529	44.6	630
1927	16.4	664	412	44.3	508
1928	20.3	628	315	44.9	407
1929	24.0	586	197	45.4	282
1930	28.1	544	103	46.4	181
1931	31.9	520	010	46.3	086
1932	35.8	485	56924	46.9	58991
1933	37.7	453	837	47.4	900
1934	37.5	424	762	47.9	820
1935	37.1	391	704	48.9	759
1936	36.9	362	658	49.8	704
1937	35.9	333	604	50.6	644
1938	35.1	310	564	51.3	599
1939	34.0	292	522	51.7	554
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



Secular change at Agincourt: Annual Means 1899 - 1962

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

Table 1 Agincourt

H = 15,000 γ +

January 1961

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	827	848	834	824	817	822	813	824	830	830	830	837	840	835	825	813	810	815	824	830	835	836	839	840	828
2 Q	839	837	837	837	837	839	841	844	845	849	845	849	848	841	832	826	827	835	838	835	836	836	838	839	839
3	840	836	831	835	843	841	837	832	839	841	845	842	842	836	825	817	817	830	841	839	840	842	844	843	837
4 Q	842	841	841	839	836	834	833	835	838	840	841	841	839	832	820	812	814	829	837	840	846	850	854	848	837
5 Q	849	848	845	844	846	849	850	853	851	855	849	850	850	844	825	818	818	830	840	839	835	839	843	842	842
6	839	837	829	823	831	828	824	838	829	838	838	843	851	843	822	804	798	809	819	833	843	845	848	852	832
7	853	850	838	838	839	839	838	838	842	846	846	844	844	840	838	831	826	829	833	838	843	855	854	849	841
8 D	823	828	823	811	811	812	803	810	801	818	838	842	842	834	824	813	812	798	792	818	824	827	819	822	819
9 D	822	818	817	843	815	804	802	786	803	809	789	809	819	818	812	792	780	781	791	803	809	813	809	807	806
10	817	818	822	819	822	822	823	824	827	828	828	833	836	835	824	810	799	805	806	811	820	830	835	834	822
11 Q	833	833	833	831	830	834	833	832	833	837	838	838	834	829	817	806	803	811	823	833	839	843	844	846	831
12	845	843	839	837	844	845	844	844	846	847	849	847	842	836	820	804	800	813	823	813	844	845	852	846	836
13	843	846	845	846	843	843	840	838	838	834	834	834	839	838	833	818	818	828	833	844	844	854	854	850	839
14	850	843	843	842	840	839	838	840	842	845	845	844	844	839	829	822	818	825	835	843	849	849	853	849	840
15	845	839	843	838	840	834	834	828	833	850	849	849	845	838	833	828	823	829	838	838	843	843	785	813	835
16	833	840	836	823	803	802	797	801	816	834	838	837	835	833	825	815	809	815	827	835	853	847	849	847	827
17	838	832	832	838	838	839	838	838	837	843	840	841	847	841	835	823	823	828	838	842	843	846	849	843	838
18	839	843	853	853	849	850	848	853	851	850	839	844	843	838	848	830	818	813	817	814	827	838	839	838	839
19 D	841	840	815	826	835	835	834	837	840	845	846	849	849	839	814	775	756	771	816	808	810	815	798	796	820
20 D	788	796	769	804	801	787	786	758	776	798	808	819	824	804	771	752	758	787	809	824	828	830	825	826	797
21	826	826	824	814	819	812	806	809	819	829	820	827	831	824	824	774	778	804	816	822	830	833	831	832	818
22 D	832	829	828	829	833	831	830	809	824	833	830	824	832	824	809	788	768	802	807	817	825	838	834	829	821
23	825	821	825	832	828	830	830	831	835	838	838	838	837	831	824	812	806	812	825	838	851	856	855	848	832
24	836	834	836	831	835	822	832	811	837	850	852	840	839	844	830	808	795	792	799	825	836	842	840	830	829
25	809	820	832	830	820	825	830	831	835	839	835	835	839	825	822	813	806	811	820	825	830	840	840	841	827
26	840	839	840	840	840	835	841	845	848	850	850	855	839	839	845	833	814	819	818	827	834	832	837	837	837
27	831	830	840	840	837	838	837	834	839	845	841	844	840	834	824	821	820	828	830	839	845	847	848	849	837
28	831	826	833	835	840	842	840	845	842	840	845	846	846	837	846	840	832	832	825	826	830	830	833	832	836
29	835	828	825	834	839	840	840	840	840	845	846	842	842	840	826	820	813	814	821	825	829	834	837	840	833
30	841	841	837	836	840	840	841	842	845	849	849	851	849	849	844	840	837	835	835	839	844	846	849	849	843
31 Q	846	843	837	838	839	845	844	843	846	849	848	850	851	849	844	835	834	834	834	831	834	839	845	848	842
Mean	834	834	832	833	832	831	830	828	833	839	838	840	841	835	826	813	807	815	823	829	835	839	838	838	831

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt

D = 7°W + ...'

January 1961

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	17.3	16.3	19.1	19.3	19.1	17.1	15.0	17.2	17.1	17.9	18.3	18.3	16.7	15.5	17.2	18.8	20.7	21.2	21.2	20.9	20.3	19.2	19.1	19.2	18.4	
2	Q	19.1	18.7	18.5	18.9	19.1	19.4	19.3	19.7	18.1	18.3	19.2	19.5	16.4	16.6	18.5	20.7	21.9	21.9	21.0	20.9	20.4	20.3	20.0	19.3	19.4
3		19.3	19.4	19.6	19.8	19.3	20.6	19.5	21.4	17.6	15.4	17.4	18.0	17.4	16.2	16.8	19.2	21.5	22.8	22.8	22.0	21.2	20.2	19.3	19.0	19.4
4	Q	18.4	18.4	18.5	18.5	19.1	19.1	19.7	18.5	17.4	17.1	17.1	16.6	16.6	15.2	15.6	18.6	21.7	23.7	23.9	23.1	21.9	20.3	19.4	19.0	19.1
5	Q	18.4	17.5	18.1	18.4	18.8	19.0	19.2	19.2	18.8	18.2	16.6	16.7	17.3	16.6	17.2	19.2	21.2	22.1	22.7	22.2	22.3	20.5	20.2	19.0	19.1
6		18.3	18.2	18.3	16.4	19.3	19.8	18.4	17.6	17.3	13.8	15.1	20.2	13.3	13.7	15.7	19.2	21.9	23.7	23.8	23.0	21.3	20.3	20.1	18.6	18.6
7		17.3	17.4	16.3	18.3	18.2	18.3	17.9	18.2	17.9	17.1	17.0	17.5	15.9	14.8	18.4	21.0	22.6	22.7	22.3	21.6	20.2	19.5	19.1	19.1	18.7
8	D	19.8	18.9	17.8	15.4	17.6	18.1	17.7	16.2	18.5	17.2	13.4	13.9	16.1	17.1	21.2	23.6	23.6	24.7	29.4	28.0	23.6	21.7	20.5	19.3	19.7
9	D	18.7	18.7	18.8	13.1	19.4	20.4	19.7	18.1	18.9	14.5	21.6	27.3	24.0	31.8	28.7	28.9	29.9	29.8	29.0	28.0	25.3	27.0	24.4	17.4	23.1
10		18.7	18.1	18.5	18.9	19.0	19.0	18.8	18.8	19.6	20.7	17.7	16.1	15.1	16.5	15.7	18.4	20.7	22.6	23.1	22.5	21.6	20.6	19.7	18.9	19.1
11	Q	18.1	17.9	17.9	18.1	18.4	17.6	18.8	19.0	18.5	18.1	18.1	17.8	16.9	16.1	16.0	18.7	21.0	22.1	21.5	20.5	19.1	18.8	18.8	18.5	18.6
12		18.1	17.9	18.1	17.9	17.6	19.4	19.7	19.6	20.0	17.8	17.2	17.1	17.3	16.1	16.1	18.2	22.2	24.5	25.9	25.0	22.8	20.8	20.0	19.0	19.5
13		17.4	18.2	17.2	17.3	17.3	18.1	18.2	17.5	18.2	13.1	13.3	13.3	18.3	11.7	16.2	19.4	22.3	22.9	22.6	22.5	21.8	20.6	20.3	18.5	18.2
14		19.3	17.8	18.1	18.3	18.4	18.5	18.8	18.5	18.4	18.2	18.4	17.4	16.6	15.3	14.8	16.8	19.7	22.0	23.7	23.1	22.5	22.0	24.4	24.8	19.4
15		21.0	18.5	17.4	18.6	18.6	17.5	20.4	20.3	13.8	15.3	16.1	16.0	17.9	18.6	18.4	20.3	22.3	22.4	21.7	19.9	18.8	19.8	20.0	22.2	19.0
16		23.6	22.2	17.7	18.8	15.9	11.1	19.3	15.6	17.5	18.2	20.2	19.3	18.4	17.4	17.5	18.9	20.3	21.6	23.2	22.1	20.9	19.7	19.4	19.3	19.1
17		19.5	19.5	16.7	19.2	19.3	19.7	20.1	22.2	17.4	17.5	19.8	21.3	18.7	17.5	17.8	19.4	21.4	23.1	22.1	20.0	18.6	18.4	18.3	18.6	19.4
18		18.6	17.5	17.7	18.1	18.6	18.6	19.5	18.7	17.9	17.5	15.7	15.6	19.2	27.7	26.8	19.9	21.3	23.4	24.1	24.1	24.1	21.2	19.5	18.7	20.2
19	D	17.8	17.6	13.0	17.5	18.8	19.6	19.9	19.8	19.9	19.9	19.5	18.7	17.7	15.9	15.9	21.3	28.9	30.6	30.2	28.4	22.5	24.3	16.5	20.6	20.6
20	D	11.2	13.1	6.2	18.6	11.4	18.7	15.1	31.7	28.1	25.1	25.2	22.2	19.6	28.8	34.4	31.2	31.7	30.8	25.7	21.5	20.6	19.3	18.9	18.5	22.0
21		17.6	17.7	18.6	17.9	13.3	16.6	15.7	26.2	20.4	20.4	15.9	26.8	21.4	12.2	12.2	20.9	29.1	27.9	25.2	22.9	20.0	18.7	18.8	18.6	19.8
22	D	18.0	17.7	18.1	18.3	19.1	19.4	15.2	26.0	14.2	18.0	17.3	29.8	19.7	12.7	14.1	17.0	22.3	22.3	25.4	23.1	20.9	19.5	18.8	19.4	19.4
23		18.5	16.8	16.8	15.0	15.9	18.4	18.7	19.4	22.1	21.1	19.6	18.7	17.7	15.8	14.2	16.8	19.6	22.5	23.3	22.7	21.5	20.2	18.7	18.7	18.9
24		17.5	16.9	16.8	15.8	18.6	16.5	15.6	23.0	13.8	17.5	17.4	20.4	23.3	19.8	16.0	21.3	24.8	26.7	24.9	25.7	23.6	20.4	19.9	19.5	19.8
25		16.1	17.2	16.9	16.7	10.3	15.1	17.2	17.4	19.4	21.0	20.1	26.8	23.2	22.1	19.7	20.0	21.5	22.4	22.1	22.2	21.3	20.4	19.5	19.5	19.5
26		18.7	18.2	17.7	16.7	16.7	17.6	21.3	18.7	18.6	17.5	20.5	18.7	20.4	22.6	20.3	20.5	22.3	23.5	25.1	25.0	23.3	21.2	19.4	18.7	20.1
27		18.5	15.7	16.6	19.0	18.9	18.5	18.0	18.4	23.2	15.8	18.3	17.7	17.4	16.0	16.2	16.7	18.6	20.3	21.5	21.3	20.3	19.3	18.5	18.6	18.5
28		18.2	17.8	18.1	18.5	18.6	18.3	17.4	17.6	15.7	16.3	17.8	19.4	17.5	17.5	20.3	19.7	19.7	20.5	22.3	20.3	22.8	20.6	18.8	18.5	18.8
29		19.4	18.6	17.6	18.4	20.3	19.1	17.6	17.5	17.5	17.6	18.0	19.7	18.4	14.9	14.9	15.5	19.4	22.1	25.0	25.8	23.7	21.1	19.7	19.8	19.2
30		19.0	18.9	18.1	17.0	15.7	17.7	18.4	18.2	19.3	18.5	18.1	18.1	17.2	15.3	14.3	15.6	17.4	20.1	21.9	21.8	21.2	20.2	19.3	19.2	18.4
31	Q	18.5	19.1	16.8	19.3	18.5	18.8	18.6	19.0	19.3	18.9	18.4	18.4	17.5	16.0	15.0	16.5	16.7	18.6	20.2	20.3	19.7	19.6	19.3	18.4	18.4
Mean		18.4	18.0	17.3	17.8	17.7	18.2	18.3	19.7	18.5	17.9	18.0	19.3	18.2	17.5	17.9	19.8	22.2	23.4	23.8	22.9	21.6	20.5	19.6	19.2	19.4

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

Table 3 Agincourt

Z = 56,000 γ +

January 1961

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	212	203	204	205	203	193	195	203	198	198	197	198	199	200	194	192	196	198	202	200	198	198	199	198	199
2 Q	198	198	198	197	197	197	197	197	195	193	192	192	192	193	191	192	198	200	198	192	192	197	197	197	195
3	197	197	197	197	191	194	196	192	185	191	192	195	197	197	195	192	194	197	197	197	198	199	199	197	195
4 Q	196	195	194	195	195	193	196	195	196	194	194	193	194	192	191	190	189	185	185	189	190	191	190	190	192
5 Q	191	190	190	190	190	190	190	189	189	188	187	189	191	190	185	184	185	187	189	189	190	196	196	196	190
6	196	195	195	196	196	195	196	196	195	188	186	180	179	184	182	184	190	194	194	194	196	193	193	195	191
7	195	195	202	203	197	194	194	194	194	193	191	191	191	185	176	172	177	180	183	187	190	191	192	196	190
8 D	204	212	226	219	214	207	205	202	192	166	171	179	185	184	184	185	190	195	201	209	207	209	210	205	198
9 D	201	201	201	165	181	178	173	148	117	126	153	153	166	173	170	184	195	204	215	219	226	245	282	254	189
10	222	208	202	202	202	202	202	201	193	184	187	194	196	193	192	193	197	201	202	206	207	205	201	200	200
11 Q	198	196	196	196	196	195	195	196	196	195	195	195	196	196	190	190	190	190	201	201	198	196	196	195	195
12	194	192	192	193	193	192	192	191	189	190	190	189	191	194	192	193	194	199	202	202	201	200	196	195	194
13	195	194	194	193	193	194	194	194	185	163	181	183	175	169	171	178	187	189	194	196	195	194	195	196	188
14	196	195	197	195	194	194	194	194	194	192	191	191	192	192	189	188	193	194	194	194	195	192	195	201	194
15	206	208	205	206	197	193	185	173	180	188	186	187	185	184	182	184	185	188	193	193	193	196	226	241	194
16	214	199	194	193	194	174	166	155	170	187	193	193	195	195	192	193	195	199	201	199	194	192	193	192	191
17	190	189	188	191	190	187	184	176	181	185	185	185	186	187	183	176	181	187	192	192	189	190	190	186	
18	190	191	189	187	186	185	185	185	181	153	168	180	177	168	161	173	180	185	189	193	193	193	194	194	182
19 D	192	191	198	193	189	189	189	189	190	189	189	189	189	187	184	187	195	200	218	243	253	289	278	290	208
20 D	288	260	203	135	182	176	129	139	136	130	128	161	180	175	178	191	206	220	225	224	214	208	204	204	187
21	202	202	200	199	177	193	188	149	138	142	150	154	162	166	185	194	214	211	204	204	204	199	198	198	186
22 D	197	197	197	197	197	197	173	160	173	191	187	177	171	180	185	185	197	203	204	206	204	199	199	199	191
23	201	201	197	187	190	192	192	192	188	185	190	191	195	196	191	185	184	190	192	191	192	192	191	190	191
24	190	200	192	188	174	178	150	141	179	186	184	180	186	179	174	175	185	190	203	209	203	196	195	197	185
25	208	209	202	196	185	188	191	192	190	188	179	174	181	188	187	190	196	197	198	197	202	198	196	196	193
26	196	195	193	192	190	190	187	182	187	187	185	179	180	180	176	173	180	185	186	194	196	201	201	201	188
27	201	203	197	195	192	192	190	186	184	176	182	187	190	191	190	190	188	187	190	191	193	193	193	191	191
28	191	196	196	197	195	191	190	188	183	183	185	185	184	184	187	183	183	176	182	197	198	201	198	198	190
29	197	198	197	188	185	187	189	187	187	189	185	184	184	185	185	184	182	184	187	193	197	196	196	196	189
30	195	193	193	191	183	190	190	190	189	188	189	190	190	190	190	185	184	183	185	190	192	191	190	190	189
31 Q	191	191	191	191	192	191	191	191	191	188	187	188	190	191	186	185	182	181	184	191	191	191	192	191	189
Mean	202	200	197	193	192	191	187	183	182	181	183	184	186	187	184	185	190	193	197	199	200	201	202	202	192

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

Table 4 Agincourt

H = 15,000 γ +

February 1961

Hour U. T.	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 Q	846	846	847	843	843	843	844	846	848	850	851	849	845	844	839	837	836	832	836	840	845	850	851	851	844
2 Q	848	845	844	844	841	843	845	845	848	847	845	846	846	834	825	818	816	819	828	831	837	843	844	844	839
3	846	846	847	850	849	848	845	846	843	841	847	857	850	819	825	844	830	824	838	839	849	851	855	851	843
4 D	849	847	849	843	838	833	838	831	830	833	834	836	835	824	793	827	817	807	803	781	883	988	1008	981	850
5	761	756	762	740	741	747	771	727	695	686	777	827	825	815	799	793	787	795	802	808	815	823	826	824	779
6	822	828	831	829	832	833	834	824	781	829	840	836	831	828	809	793	817	818	817	816	819	823	822	825	822
7	828	822	816	823	823	826	818	823	823	820	822	827	825	823	819	816	808	808	819	832	843	840	842	844	825
8	842	828	820	826	827	829	828	830	831	831	832	832	827	828	828	818	827	822	823	817	831	837	839	842	829
9	841	838	828	834	836	837	829	833	833	836	835	839	842	838	833	827	832	831	833	836	838	844	844	842	836
10	842	842	838	837	837	837	837	837	837	842	843	846	846	844	839	832	827	827	832	843	851	849	850	853	840
11	849	844	836	832	846	848	847	847	850	852	842	857	860	856	848	837	829	822	826	832	833	837	842	845	842
12 Q	843	841	837	837	838	841	842	843	845	846	848	848	848	846	838	829	825	827	834	842	843	842	842	847	841
13	849	850	852	853	848	846	849	851	838	785	792	826	827	804	791	782	778	802	820	826	833	839	837	840	826
14	837	840	842	842	842	843	843	845	845	844	844	844	842	836	836	836	839	842	848	838	842	837	829	841	841
15	833	844	843	842	842	842	850	846	848	847	849	843	842	840	832	828	825	822	829	837	842	848	849	850	841
16 D	849	839	829	846	847	853	847	833	827	832	766	836	825	800	824	818	798	801	810	821	823	836	841	841	827
17 D	837	836	837	837	837	837	842	842	843	841	839	839	840	860	849	832	827	819	837	844	852	841	826	816	838
18 D	786	734	785	785	781	780	785	819	800	804	803	821	837	806	821	807	796	775	800	823	838	842	841	839	804
19	829	835	838	837	842	837	842	842	834	837	841	846	837	853	840	815	802	812	811	829	848	857	856	847	836
20 D	836	827	848	828	824	834	844	838	834	826	838	842	830	833	837	802	803	817	819	822	832	833	832	841	830
21	836	836	833	855	844	838	833	836	839	840	842	847	842	831	831	822	801	805	807	823	823	822	826	833	831
22	843	843	836	846	841	842	840	837	845	841	838	841	841	839	825	803	804	810	822	832	839	841	841	832	834
23	837	843	851	847	843	850	846	836	839	846	848	849	849	843	837	832	834	841	852	848	856	853	852	845	845
24	846	850	853	852	850	858	824	842	848	850	849	850	849	842	835	825	817	817	827	841	853	855	853	854	843
25 Q	856	853	853	852	853	853	853	856	856	854	853	854	847	838	832	829	830	841	853	863	864	858	858	851	851
26 Q	858	853	850	850	853	854	855	856	858	858	858	858	857	850	838	831	834	838	846	854	858	857	857	858	852
27	860	858	853	842	852	842	848	853	858	861	857	854	850	849	838	833	832	833	841	852	860	866	864	865	851
28	865	856	848	841	842	844	846	845	853	839	841	837	839	853	844	832	829	832	837	848	848	856	851	853	845
29																									
30																									
31																									
Mean	838	835	836	836	835	836	837	836	833	833	835	842	841	836	829	822	818	818	826	833	842	849	850	848	835

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 5 Agincourt

D = 7°W + ...'

February 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	17.9	18.1	17.6	18.0	17.3	17.4	18.2	18.1	17.3	17.5	18.0	17.8	16.7	16.3	16.4	16.4	16.4	18.2	20.9	21.0	21.0	20.2	19.2	18.0	18.1
2 Q	17.5	17.3	17.6	18.2	18.0	18.0	18.3	18.0	17.9	17.3	17.3	17.3	16.4	14.5	15.5	16.3	17.3	19.0	21.0	21.2	20.1	19.3	19.5	19.2	18.0
3	18.3	18.0	16.3	18.0	18.0	17.8	17.5	16.7	14.5	9.1	10.0	9.1	11.6	9.9	20.9	19.2	18.3	21.9	22.9	22.9	20.6	19.1	18.3	17.2	16.9
4 D	17.2	17.0	18.1	18.2	18.1	18.1	20.8	15.4	13.6	12.9	13.5	14.6	17.1	13.6	27.0	30.4	26.9	23.2	28.0	30.0	25.4	15.6	15.4	14.6	19.4
5	19.0	15.6	18.0	10.9	0.6	12.4	15.1	15.1	8.8	9.2	18.2	19.0	15.9	16.2	18.7	20.9	22.7	23.6	24.5	23.6	22.3	20.8	20.0	19.9	17.1
6	19.2	18.3	18.1	18.6	18.9	19.3	19.2	18.9	26.2	18.0	17.1	17.0	16.8	13.0	15.7	26.3	23.7	23.3	23.3	23.7	23.8	24.3	24.4	21.3	20.4
7	19.8	19.0	18.7	17.8	16.3	14.2	15.8	16.7	16.8	15.8	17.3	16.2	12.4	12.0	14.3	16.9	18.0	21.2	23.1	24.3	24.9	25.2	22.9	23.5	18.5
8	23.4	22.2	17.0	18.6	18.7	18.8	18.5	18.8	19.0	18.9	22.6	17.4	16.0	16.0	14.5	18.2	18.6	20.5	23.3	24.6	23.0	22.5	21.5	21.0	19.7
9	19.6	19.9	18.5	22.5	17.0	16.5	17.4	18.2	17.3	17.5	17.3	17.9	17.0	15.0	13.7	16.6	18.4	19.8	20.9	21.4	21.4	20.8	20.2	20.4	18.6
10	19.0	19.2	18.5	17.9	17.5	17.6	17.6	16.8	16.7	16.9	17.6	17.6	17.1	15.6	14.4	15.0	16.8	18.9	20.6	22.0	22.4	21.4	20.5	22.2	18.3
11	20.4	19.5	17.0	16.5	16.9	17.1	17.5	18.2	18.4	17.9	19.6	20.4	17.8	16.7	14.9	15.8	17.8	19.7	20.6	20.3	19.7	19.4	19.2	18.7	18.3
12 Q	18.5	17.8	17.8	18.6	17.7	18.1	17.9	17.9	17.8	17.7	17.5	17.0	16.7	16.0	15.5	16.7	19.6	21.3	21.1	20.1	19.1	18.9	19.5	19.3	18.2
13	18.6	18.1	17.7	17.6	17.6	16.6	17.7	17.4	15.2	27.6	19.4	8.5	11.3	21.7	21.4	22.2	26.7	28.2	25.0	23.0	20.6	19.2	18.6	18.0	19.5
14	17.5	17.5	17.6	18.2	18.4	18.3	17.8	17.5	16.8	17.4	17.2	16.6	15.6	14.7	15.3	18.4	20.3	21.1	21.1	20.2	19.3	18.8	18.3	18.4	18.0
15	16.7	16.9	16.9	17.5	17.5	18.3	18.9	18.3	17.5	18.3	17.4	18.8	19.7	15.2	15.6	18.7	21.0	22.6	22.8	21.7	19.9	18.6	18.2	17.4	18.5
16 D	17.2	12.8	15.2	16.6	17.8	17.5	18.3	19.4	26.7	10.0	20.6	10.8	17.1	27.3	32.4	21.8	23.2	24.1	24.4	23.6	22.9	20.1	18.3	17.4	19.8
17 D	17.4	17.3	17.3	17.9	18.2	18.1	18.2	17.8	17.8	16.9	16.9	18.2	15.3	17.0	15.3	16.2	18.6	22.0	25.4	24.9	25.0	23.7	22.8	18.6	19.0
18 D	17.3	-9.5	1.2	10.8	7.9	16.4	18.1	16.3	24.4	32.8	31.9	30.5	23.3	26.1	18.8	18.2	20.6	21.5	19.9	22.7	21.8	20.5	19.1	18.1	18.7
19	18.0	17.6	17.2	16.1	17.0	18.0	16.2	19.8	19.2	20.7	18.2	17.1	31.5	19.8	12.2	15.7	19.6	21.7	24.4	22.5	20.6	19.1	17.9	17.9	19.1
20 D	18.0	15.1	16.1	10.6	16.1	14.7	22.7	18.3	23.5	27.1	20.4	15.3	20.7	21.7	14.9	19.8	19.9	21.8	23.1	23.1	20.9	21.3	16.1	17.2	19.1
21	16.9	12.6	11.4	12.6	13.9	16.1	18.0	23.1	21.7	16.3	18.2	18.5	20.3	17.1	14.1	12.6	19.0	21.9	22.6	22.5	24.3	21.9	20.4	18.2	18.1
22	15.2	17.1	14.3	7.1	15.5	16.8	18.6	22.6	17.7	15.2	17.1	17.8	16.5	14.2	13.4	18.0	19.8	21.0	21.7	21.8	20.7	19.9	16.6	10.6	17.1
23	17.2	17.5	17.2	17.2	16.5	13.5	18.2	14.7	16.3	16.4	16.4	16.5	16.4	15.4	13.2	16.2	18.5	21.0	23.0	22.9	21.7	19.1	19.1	18.0	17.6
24	17.3	16.1	16.4	16.4	13.6	9.1	12.8	21.0	18.9	17.3	17.3	16.6	15.7	14.4	14.5	15.9	17.3	19.8	21.0	21.6	20.2	19.0	18.5	18.5	17.1
25 Q	18.3	18.2	17.6	17.5	17.6	17.6	18.2	17.7	17.5	17.6	16.2	16.3	15.2	13.7	13.7	15.7	19.0	22.0	23.7	22.9	21.0	19.2	18.6	18.6	18.1
26 Q	19.1	19.1	18.3	16.5	17.6	18.2	18.2	18.0	17.6	17.3	16.5	16.2	14.7	13.2	12.2	16.6	18.9	20.7	21.0	20.3	19.3	18.5	19.1	18.5	17.7
27	18.2	17.9	17.8	16.0	13.6	16.1	17.7	18.5	17.8	16.7	15.0	14.5	13.3	13.2	12.2	15.7	18.6	21.3	23.0	22.3	20.1	18.5	18.4	18.6	17.3
28	18.8	20.5	21.0	18.7	17.0	19.1	17.8	16.5	16.9	12.2	11.3	12.7	17.2	14.1	14.4	17.8	20.5	23.2	25.1	25.0	24.1	23.4	21.5	19.3	18.7
29																									
30																									
31																									
Mean	18.3	16.7	16.7	16.5	16.1	16.8	17.9	18.1	18.2	17.4	17.7	16.7	17.0	16.2	16.3	18.2	19.8	21.6	22.8	22.7	21.7	20.3	19.4	18.5	18.4

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

Table 6 Agincourt

Z = 56,000 γ +

February 1961

Hour U. T. Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean
	to 1	to 2	to 3	to 4	to 5	to 6	to 7	to 8	to 9	to 10	to 11	to 12	to 13	to 14	to 15	to 16	to 17	to 18	to 19	to 20	to 21	to 22	to 23	to 24	
1 Q	191	191	191	191	191	191	191	188	187	187	187	187	189	189	187	187	186	184	184	191	191	185	189	190	189
2 Q	189	188	188	188	188	188	188	188	188	187	187	188	191	190	186	187	189	186	188	191	193	191	191	190	189
3	191	190	189	187	187	187	187	186	184	173	167	165	174	173	175	176	176	178	186	191	193	192	192	192	183
4 D	192	192	192	192	193	197	190	190	194	192	192	192	190	185	185	181	186	185	190	230	350	417	395	400	225
5	322	267	234	185	136	131	204	162	100	77	100	167	211	217	217	217	219	219	216	216	216	216	210	209	194
6	205	205	203	201	200	200	198	188	136	162	192	195	203	200	192	199	200	198	200	201	206	213	211	208	196
7	205	209	212	214	209	196	203	200	200	198	193	187	191	192	192	192	189	197	199	201	205	205	214	218	201
8	219	223	217	206	204	200	199	199	198	194	197	197	198	198	192	186	183	185	190	197	203	203	203	201	200
9	202	204	211	206	201	199	198	199	198	196	193	193	193	192	188	188	185	188	193	196	197	196	196	196	196
10	196	196	198	198	198	196	193	191	188	190	192	193	194	193	191	188	188	187	187	192	193	193	193	196	193
11	196	199	204	205	196	193	190	190	190	188	184	172	170	174	174	175	180	186	193	199	200	199	196	193	189
12 Q	191	190	190	190	190	188	188	191	191	189	189	188	188	186	182	183	186	191	193	194	193	190	193	193	189
13	193	192	191	189	189	189	189	187	176	114	76	71	109	145	157	174	186	206	206	206	204	202	199	199	173
14	199	198	198	198	197	196	194	194	194	194	194	194	194	193	187	182	183	185	188	194	195	196	199	199	194
15	199	198	193	193	192	190	187	192	192	190	186	180	187	188	188	187	186	191	195	199	200	199	198	194	192
16 D	193	187	188	192	188	181	178	151	122	107	59	146	156	174	177	180	187	194	199	204	205	205	201	199	174
17 D	198	196	194	194	194	193	193	192	191	184	175	138	163	181	183	187	188	194	199	200	212	231	296	358	201
18 D	302	187	249	206	157	116	90	155	139	121	113	120	157	174	183	184	186	194	216	212	206	199	199	199	178
19	204	205	204	201	199	195	180	169	171	181	180	182	170	164	182	185	193	200	206	210	206	201	199	199	191
20 D	198	199	189	197	189	186	169	167	161	145	150	169	167	176	190	187	136	200	200	204	209	211	211	206	184
21	201	201	197	185	182	186	181	167	168	179	185	179	184	190	195	186	184	198	205	212	213	217	212	205	192
22	200	197	193	186	185	187	180	164	179	181	184	185	185	184	184	181	185	193	192	193	197	198	200	200	188
23	198	197	192	191	189	180	162	167	181	188	190	190	190	192	186	186	192	185	192	198	200	198	198	198	189
24	198	198	193	192	181	146	162	181	186	190	190	191	192	192	190	186	185	184	187	192	193	192	192	192	187
25 Q	190	190	189	189	189	189	189	188	187	187	187	189	188	188	188	184	182	187	192	192	192	192	189	189	189
26 Q	189	190	192	190	190	191	189	188	188	187	187	187	187	185	179	179	180	183	187	187	187	187	187	187	187
27	186	186	186	187	181	186	189	187	189	187	185	186	187	186	182	176	176	181	185	185	187	187	184	184	185
28	185	187	193	204	203	193	189	186	172	168	178	181	178	178	177	174	174	179	185	188	197	203	198	193	186
29																									
30																									
31																									
Mean	205	199	199	195	189	185	184	182	177	173	171	175	182	185	185	185	184	191	195	199	205	208	209	210	191

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

Table 7 Agincourt

H = 15,000 γ +

March 1961

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	851	850	850	850	841	840	843	843	850	851	847	847	837	842	834	826	821	836	842	841	851	861	862	851	844
2	846	842	838	838	840	856	842	843	848	852	854	856	852	845	833	825	826	831	841	853	863	866	861	856	846
3 Q	855	847	851	851	852	852	854	856	857	857	857	857	855	843	829	819	821	830	844	859	868	871	866	866	851
4 Q	867	866	866	865	862	860	861	861	862	862	862	861	856	842	836	838	835	836	842	848	853	857	857	858	855
5	857	857	854	847	847	857	860	859	861	861	861	861	850	851	841	838	836	835	847	859	865	857	873	928	857
6 D	891	830	699	766	765	770	743	733	728	759	816	835	817	822	839	830	829	826	832	842	852	857	856	852	808
7 Q	850	848	850	851	852	852	852	852	853	853	856	856	853	850	841	835	833	837	841	847	847	854	853	856	848
8 Q	852	848	848	847	846	842	842	845	846	846	841	841	847	850	841	831	822	826	841	852	857	864	856	848	845
9	850	847	842	836	840	842	843	843	842	847	852	853	847	840	836	839	855	851	858	862	867	872	855	865	849
10 D	861	861	861	860	835	825	816	801	705	740	546	627	769	814	804	796	792	804	821	831	844	842	836	830	797
11	828	826	825	822	826	826	830	831	835	835	831	833	828	825	819	823	817	821	830	830	826	838	838	839	828
12	833	821	831	836	836	837	840	844	841	841	841	845	841	835	832	826	827	835	843	852	855	847	852	844	839
13	840	826	836	841	841	843	847	848	838	845	853	858	853	845	826	825	840	853	860	858	855	853	847	850	845
14 D	855	821	830	812	831	832	836	847	817	825	820	848	847	833	825	817	825	819	834	858	860	858	855	852	836
15 D	849	856	855	852	862	854	849	856	858	845	861	857	846	827	806	830	826	832	817	863	873	852	833	842	846
16	831	819	833	843	846	846	833	843	854	854	856	849	842	841	828	809	811	826	842	853	859	859	855	844	841
17	843	846	844	844	852	849	846	823	827	827	846	846	841	833	823	818	821	829	844	854	855	854	853	853	840
18	851	852	847	854	853	854	853	854	853	853	853	850	842	826	821	805	807	810	822	817	853	861	837	848	841
19 D	859	858	861	860	850	848	777	827	831	840	846	854	835	810	831	821	802	785	820	833	841	846	838	831	834
20	824	837	841	848	850	849	848	850	850	841	844	863	848	842	821	813	813	821	826	836	845	854	856	854	841
21	853	846	845	854	863	852	854	859	860	856	857	858	853	842	826	812	819	816	827	838	849	856	856	846	846
22	853	846	846	854	864	852	853	860	859	856	857	852	853	840	826	830	829	832	838	849	857	863	861	862	850
23	863	862	860	863	862	861	867	859	854	858	858	859	849	838	824	842	841	838	842	853	858	861	863	864	854
24	861	860	858	859	856	858	865	862	862	865	861	860	863	856	840	836	838	842	847	855	866	865	858	860	856
25 Q	860	857	861	861	863	861	862	867	866	867	866	863	854	839	843	841	843	850	858	867	872	875	867	865	860
26	866	867	867	871	868	867	867	869	863	856	866	868	858	850	836	832	835	839	851	857	867	880	858	858	859
27	871	872	869	867	866	860	857	857	853	857	861	862	857	853	840	802	763	814	858	882	838	852	853	852	851
28	855	862	873	877	858	837	825	845	847	859	856	852	845	835	830	812	824	835	843	841	848	849	859	865	847
29	864	862	861	858	858	860	860	857	858	865	864	858	851	844	836	832	832	842	853	852	857	862	868	868	855
30	866	855	844	851	826	839	843	850	846	851	851	847	835	823	813	816	823	841	858	866	872	863	865	868	846
31	866	865	866	866	867	867	870	870	868	869	869	869	860	850	836	826	838	852	854	872	875	875	876	877	863
Mean	854	849	846	849	848	847	843	846	842	845	842	846	845	838	830	824	824	830	841	851	856	859	856	857	844

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 8 Agincourt

D = 7°W + ...'

March 1961

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	18.3	18.1	18.2	17.5	15.0	17.1	16.8	19.1	17.9	16.5	16.0	15.4	16.6	15.4	13.3	16.3	19.1	21.9	23.7	23.2	21.7	20.9	20.1	20.1	18.3
2	20.1	18.3	18.4	17.0	14.6	14.7	16.4	15.6	17.8	17.2	16.4	15.6	14.5	13.4	13.7	16.4	20.1	22.8	23.9	23.5	21.9	21.1	21.5	22.0	18.2
3 Q	21.7	19.9	19.0	18.5	18.4	19.0	19.0	19.3	17.9	17.5	16.8	15.8	14.6	12.9	13.9	18.3	21.4	24.1	25.2	24.3	22.0	20.2	19.0	19.0	19.1
4 Q	18.8	18.4	18.4	18.4	18.5	18.5	17.4	17.4	17.4	16.8	16.5	15.8	14.5	12.9	15.2	19.4	21.1	23.1	24.0	23.6	22.3	20.4	19.3	18.7	18.6
5	18.7	18.5	18.1	15.6	16.6	17.4	18.3	18.2	17.4	17.5	18.4	16.2	14.0	13.3	12.8	15.3	17.4	21.1	22.1	22.9	23.9	25.4	26.9	19.0	18.5
6 D	21.8	13.8	22.4	7.3	9.4	10.4	13.6	11.9	14.6	10.2	13.8	12.8	19.3	26.9	18.5	19.0	20.2	21.9	23.0	22.1	21.8	21.1	20.3	20.2	17.4
7 Q	19.9	19.4	19.3	19.3	19.1	18.9	18.9	18.9	18.6	18.4	18.1	17.4	15.7	14.8	14.7	17.1	19.6	22.3	23.5	23.8	23.7	23.0	21.9	21.2	19.5
8 Q	21.0	21.1	19.3	18.7	18.7	17.4	16.6	16.2	17.3	17.5	17.3	16.6	16.2	15.2	14.4	16.5	20.2	24.4	25.7	26.7	25.3	23.7	23.7	21.3	19.6
9	20.8	19.4	18.4	15.5	16.8	17.3	15.8	14.7	17.4	17.5	17.5	16.5	14.3	11.0	11.2	16.5	21.2	23.5	24.0	24.1	24.1	23.5	20.8	19.2	18.4
10 D	19.2	19.1	23.0	22.1	18.4	15.8	13.4	13.8	14.6	19.1	43.1	22.6	25.4	18.3	18.4	24.1	29.1	27.2	24.7	23.1	20.9	19.2	18.8	18.9	21.4
11	19.0	19.2	19.5	20.2	18.9	19.0	19.3	19.8	19.1	18.0	18.2	16.8	16.3	15.5	18.4	18.3	20.7	23.1	23.1	22.9	22.2	20.0	19.3	18.4	19.4
12	19.2	17.1	19.9	19.5	19.4	19.4	19.5	18.7	18.2	18.3	19.6	17.5	14.9	15.5	18.3	20.1	22.2	22.9	22.0	20.3	19.2	19.2	19.5	21.0	19.2
13	21.0	21.0	19.4	19.4	20.0	19.5	18.5	16.1	18.3	13.6	15.4	16.5	14.4	14.5	16.1	24.0	26.2	25.8	24.6	21.8	20.0	18.8	18.4	19.1	19.3
14 D	18.9	13.5	16.0	4.2	15.7	18.3	18.2	17.5	10.2	20.4	20.6	17.2	12.5	16.1	18.0	21.9	25.3	28.0	28.1	24.6	22.5	19.3	18.2	18.2	18.5
15 D	17.3	18.1	18.1	18.1	24.2	19.9	15.9	18.3	16.2	21.0	24.5	16.4	16.2	18.1	19.1	21.7	23.5	25.4	26.5	24.5	21.9	20.5	17.0	17.0	20.0
16	4.9	9.0	14.8	18.2	18.8	20.5	16.4	30.9	13.5	12.2	15.3	16.9	20.8	17.1	16.2	20.7	26.3	27.3	25.4	23.5	21.0	19.0	18.4	19.3	18.6
17	19.5	18.9	17.7	17.2	19.4	18.9	17.3	9.4	16.8	25.6	17.3	14.6	13.4	14.6	14.6	19.5	24.0	27.2	25.5	22.9	21.3	19.2	18.2	19.2	18.8
18	18.7	18.9	20.9	18.0	18.0	18.8	18.4	17.6	17.0	16.9	16.4	15.2	15.2	16.9	18.7	20.8	24.8	27.2	26.1	23.8	21.7	19.1	17.0	19.0	19.4
19 D	18.9	18.6	18.4	18.0	15.1	1.3	5.3	12.3	16.9	20.6	18.8	14.0	15.3	18.5	20.1	16.5	21.9	28.9	27.3	25.1	24.0	19.7	18.3	14.5	17.8
20	8.2	15.6	17.9	18.4	20.5	20.3	17.1	18.7	20.8	24.8	32.3	25.1	21.5	18.7	18.9	19.0	22.5	25.0	26.7	25.9	22.9	21.3	19.6	18.6	20.8
21	17.8	17.8	12.1	15.8	16.1	16.0	17.6	16.9	17.1	15.0	16.2	15.0	13.2	11.3	12.1	17.5	19.8	25.1	26.2	27.0	25.1	21.4	18.7	17.8	17.9
22	17.7	15.0	9.3	15.8	14.6	18.6	17.0	20.3	21.0	13.8	16.7	17.7	14.9	14.7	14.3	16.5	19.4	22.3	24.1	23.9	23.2	21.3	19.8	19.2	18.0
23	18.8	17.9	18.3	15.6	16.1	19.2	20.0	16.6	15.8	15.0	15.8	15.8	14.2	13.8	18.4	19.5	20.1	22.2	23.5	22.3	21.2	19.8	19.2	18.6	18.2
24	18.5	17.8	17.4	17.5	16.5	15.7	19.3	16.7	16.7	16.6	17.0	20.4	15.0	12.7	14.1	17.5	21.1	22.6	23.3	22.3	21.0	19.7	19.0	17.8	18.2
25 Q	18.4	17.5	18.1	18.3	17.8	17.0	17.0	17.4	16.1	16.1	15.9	14.8	12.7	12.4	15.9	18.7	21.8	25.1	25.7	24.5	22.7	20.5	19.4	19.5	18.5
26	19.3	18.7	17.9	15.1	17.7	16.9	16.7	17.1	11.7	16.6	15.8	14.9	13.0	12.5	14.0	16.7	20.0	23.3	24.2	23.6	22.4	21.2	20.2	19.8	17.9
27	18.8	18.8	18.1	17.8	16.3	15.9	14.1	14.0	15.4	18.7	18.6	16.0	16.0	13.8	12.5	14.2	19.6	35.4	16.0	27.3	27.2	22.6	20.5	20.0	18.6
28	19.7	18.7	16.7	5.7	11.7	8.4	16.4	19.7	19.5	16.8	13.6	12.9	13.2	13.3	16.3	19.7	24.9	25.5	25.3	24.4	23.3	21.4	20.6	19.5	17.8
29	18.9	19.1	18.8	18.2	18.0	18.0	17.7	17.5	17.1	17.7	18.0	15.8	14.5	14.0	13.9	15.7	20.3	24.3	25.5	27.1	26.1	23.5	20.4	19.2	19.1
30	19.1	17.3	12.3	7.6	13.4	15.1	16.0	17.0	9.3	13.6	15.0	14.2	11.7	10.6	14.0	19.8	24.2	26.1	25.9	23.5	21.3	19.1	18.1	18.6	16.8
31	18.8	18.8	18.8	18.8	18.2	18.6	18.1	17.7	16.9	16.1	15.7	14.5	13.0	11.6	13.5	15.4	22.5	22.5	26.1	25.3	23.4	21.2	18.9	17.7	18.4
Mean	18.4	17.8	17.9	16.4	17.2	16.8	16.8	17.3	16.6	17.3	18.4	16.4	15.4	14.8	15.6	18.5	22.0	24.8	25.0	24.0	22.6	20.8	19.7	19.1	18.7

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

Table 9 Agincourt

Z = 56,000 γ +

March 1961

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	190	187	186	186	183	185	187	186	185	186	183	183	181	180	176	173	174	180	184	187	187	189	193	197	184	
2	198	198	198	199	193	158	172	178	188	187	186	186	186	184	178	176	178	181	186	188	188	186	189	192	186	
3 Q	192	193	191	188	188	186	185	182	181	182	183	184	184	180	176	180	185	187	188	191	187	181	181	181	185	
4 Q	181	181	180	180	180	180	180	180	180	180	180	180	180	181	182	179	179	183	186	186	186	185	185	185	182	
5	184	183	183	182	183	183	183	183	188	181	180	180	181	180	178	173	173	178	182	184	192	219	297	338	194	
6 D	351	308	113	156	157	144	124	116	127	107	162	186	175	163	178	185	190	193	198	198	196	192	192	192	179	
7 Q	191	191	190	189	189	188	188	187	186	187	186	187	186	186	185	185	188	192	192	196	196	194	192	191	189	
8 Q	191	191	191	191	191	191	191	188	186	184	184	185	188	185	186	175	177	183	186	186	186	192	197	191	187	
9	191	191	194	197	196	196	194	178	188	191	191	191	191	185	179	174	173	174	178	177	180	184	183	186	186	
10 D	189	192	208	225	224	233	213	190	47	-53	-40	39	157	197	193	196	202	205	205	202	200	196	194	194	167	
11	193	194	195	197	192	196	195	191	192	189	193	193	196	188	186	184	185	190	196	199	194	196	192	194	192	
12	196	199	197	193	192	191	191	189	189	188	188	191	190	189	185	188	191	193	193	193	193	190	192	193	191	
13	195	205	199	194	191	191	186	174	173	178	188	189	186	183	180	179	177	175	179	183	186	186	185	187	185	
14 D	187	200	195	150	191	178	141	129	147	173	118	144	160	163	168	175	184	186	197	200	196	191	190	189	173	
15 D	190	191	187	193	136	161	180	184	180	166	153	161	178	178	185	185	183	189	191	194	196	205	213	211	183	
16	197	210	188	178	162	150	147	78	152	172	181	181	179	177	174	171	173	181	185	185	184	185	185	183	173	
17	183	183	183	188	186	184	177	138	175	162	178	185	188	186	185	188	189	186	187	187	189	189	188	187	182	
18	186	186	185	184	183	184	184	184	183	183	183	185	185	185	183	179	186	190	202	196	194	196	194	192	187	
19 D	190	186	185	185	175	114	51	136	167	178	175	182	178	172	171	173	179	193	205	202	209	207	199	198	175	
20	198	195	193	187	168	163	174	179	172	154	137	145	166	174	174	177	178	179	183	189	197	195	191	189	177	
21	191	192	186	177	162	176	180	174	174	178	183	184	186	187	186	189	184	185	187	196	194	194	190	187	184	
22	187	186	185	183	182	149	165	151	140	169	180	181	183	184	179	177	179	180	181	182	185	187	187	186	177	
23	185	185	184	182	176	174	161	161	159	173	176	181	185	180	176	177	164	168	171	175	180	186	186	186	176	
24	185	185	185	184	182	178	170	179	181	181	177	178	178	178	175	175	174	174	173	173	174	184	185	186	179	
25 Q	183	183	181	182	180	179	180	179	180	179	179	180	180	179	178	179	169	170	174	179	180	182	181	180	179	
26	174	180	177	175	168	169	158	159	168	171	175	191	179	174	173	170	170	174	175	177	179	185	185	182	174	
27	181	178	178	179	176	173	170	171	173	169	170	175	173	168	164	159	155	172	177	179	169	180	182	181	173	
28	182	181	188	100	114	149	165	163	168	172	174	176	179	171	173	170	176	179	181	184	184	185	186	184	170	
29	183	182	181	181	181	181	180	181	180	178	176	176	179	180	176	170	166	171	177	184	187	186	183	179	179	
30	179	180	183	161	161	179	175	164	137	174	177	183	180	179	174	169	167	170	175	178	183	181	180	179	174	
31	178	177	177	178	176	177	177	177	177	177	177	179	179	179	176	172	167	171	171	176	179	174	178	177	175	176
Mean	193	193	185	182	178	176	172	168	168	168	169	175	181	180	178	177	178	182	186	187	188	190	192	193	181	

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

Table 10 Agincourt

H = 15,000 γ +

April 1961

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	868	837	808	822	849	857	851	836	842	861	855	871	861	843	827	815	820	834	842	857	864	861	870	886	847	
2	867	864	863	861	867	851	829	825	815	851	835	837	842	835	814	808	813	819	830	850	867	863	863	860	843	
3 D	855	833	824	836	802	804	803	797	798	814	824	839	837	821	802	789	803	819	843	852	864	855	860	851	826	
4 Q	853	843	846	850	848	847	842	850	850	850	850	851	850	837	824	822	821	823	835	845	857	864	870	866	846	
5 Q	868	864	853	859	851	859	860	858	855	857	858	855	851	844	834	830	839	847	851	860	866	870	872	871	856	
6	865	859	854	852	855	854	855	858	859	860	860	858	857	852	846	835	834	836	847	871	893	895	880	875	859	
7	844	855	852	854	857	858	861	863	867	869	869	864	857	848	838	838	847	857	865	873	876	876	878	873	860	
8	867	864	864	862	859	861	861	860	865	865	864	863	858	849	840	836	837	842	853	862	875	883	871	877	860	
9 D	873	869	861	864	863	865	871	862	865	847	827	866	842	825	819	814	811	808	828	840	855	866	861	846	848	
10	838	848	852	855	865	856	896	855	853	852	854	862	851	835	833	840	840	845	852	868	876	873	875	863	856	
11 D	864	862	868	856	844	851	837	861	859	849	860	857	846	832	837	818	813	812	844	850	864	868	869	864	849	
12	860	863	859	858	857	857	848	848	862	859	858	852	849	834	820	818	828	839	847	857	871	861	862	861	852	
13	856	856	858	854	858	856	857	859	862	863	862	862	853	835	822	797	859	862	866	874	882	883	877	883	858	
14 D	877	876	877	878	880	880	866	859	859	848	847	836	832	816	821	807	803	827	871	905	943	976	1042	966	875	
15 D	955	807	776	680	788	727	641	797	791	835	830	830	829	813	813	791	816	821	831	833	832	836	853	853	807	
16	847	845	837	846	840	844	848	847	847	845	846	847	836	833	828	816	814	828	840	852	876	863	861	851	843	
17 Q	848	848	849	847	850	851	852	853	855	857	858	853	853	843	825	811	809	811	823	835	850	860	863	861	844	
18 Q	857	855	852	857	857	861	857	852	852	859	864	862	855	844	831	818	811	817	826	839	848	858	862	865	848	
19	861	860	857	858	861	865	863	867	869	867	867	863	860	850	840	828	825	832	840	861	862	878	881	867	858	
20	852	843	849	853	858	861	864	858	868	869	868	867	863	856	841	827	829	835	843	853	862	873	874	875	856	
21 Q	870	868	868	866	864	864	864	863	864	868	867	866	861	855	846	834	832	836	846	861	878	868	874	876	861	
22	874	874	873	872	871	870	872	875	878	878	881	884	880	863	851	855	841	844	857	858	887	882	882	845	868	
23	868	864	862	862	860	861	859	857	856	853	847	849	848	848	840	833	841	853	864	871	882	869	878	856	858	
24	861	864	862	856	862	864	866	867	866	863	859	857	858	841	832	824	841	861	867	867	880	863	851	858		
25	853	863	862	862	860	856	858	858	858	859	858	856	854	841	827	824	834	851	863	864	864	868	876	872	856	
26	874	872	868	853	865	869	869	869	868	871	872	869	863	852	820	831	848	856	859	866	868	871	861	868	862	
27	864	863	859	858	858	873	871	871	865	876	876	880	866	853	857	857	872	873	883	887	885	873	875	872	869	
28	863	863	861	863	853	843	844	854	859	858	860	858	858	851	843	840	848	858	863	873	884	882	879	875	860	
29	867	861	864	866	867	866	866	868	868	872	874	868	861	852	841	836	848	864	881	890	898	900	893	868	868	
30	869	861	861	863	866	861	864	867	866	865	861	851	852	859	839	847	864	869	877	892	892	887	887	888	867	
31																										
Mean	865	857	853	851	855	853	850	854	855	858	857	858	853	842	832	825	831	839	851	862	873	875	876	870	854	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 11 Agincourt

D = 7°W + ...'

April 1961

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	18.0	11.2	5.7	8.8	16.7	17.2	13.5	14.2	12.8	9.8	16.8	19.1	9.7	10.9	15.1	20.9	25.2	28.3	27.4	25.6	24.3	20.8	18.9	17.2	17.0	
2	19.1	18.8	18.2	18.6	19.1	16.6	14.2	12.3	20.6	13.4	13.9	19.7	15.7	11.6	14.0	18.7	23.3	26.0	26.8	24.5	24.3	25.5	24.0	23.7	19.3	
3 D	26.3	24.2	17.0	41.4	14.0	11.4	23.3	21.6	15.9	16.0	8.6	12.3	11.3	11.0	11.7	23.5	27.5	28.1	28.2	26.3	21.6	19.7	17.7	16.4	19.8	
4 Q	12.2	15.0	17.6	19.0	18.7	17.9	18.1	16.8	15.8	16.0	15.2	14.1	12.7	12.3	13.2	15.9	19.0	23.1	25.0	25.2	24.1	22.2	20.3	18.8	17.8	
5 Q	18.7	19.7	18.7	19.6	16.9	17.6	16.9	15.6	15.0	15.0	15.0	16.1	14.1	13.4	15.1	18.8	20.9	22.4	23.6	23.2	22.4	21.3	20.2	18.6	18.3	
6	18.7	19.5	19.2	17.6	16.8	16.0	15.5	16.1	15.9	15.9	15.5	14.3	12.1	11.9	13.2	14.9	19.5	25.1	29.3	28.1	27.0	26.9	23.3	24.1	19.0	
7	21.3	18.3	17.6	7.5	16.0	17.4	17.3	16.9	17.6	17.3	19.2	13.2	11.4	11.6	14.0	18.4	21.1	23.5	24.4	24.1	22.8	20.6	18.9	18.4	17.9	
8	18.2	18.5	18.3	17.6	17.3	16.6	14.8	18.0	14.0	14.8	14.8	13.6	12.0	11.1	13.0	15.7	17.0	22.2	24.8	25.2	24.3	22.7	20.6	19.2	17.7	
9 D	18.1	18.1	15.3	15.9	15.8	16.0	16.6	14.1	12.9	16.7	35.2	17.5	13.7	7.2	11.8	16.0	20.0	23.9	26.8	27.3	25.7	22.2	20.3	18.4	18.6	
10	13.9	15.5	18.4	15.3	16.5	22.1	19.1	13.7	11.0	13.0	22.2	13.8	13.8	16.5	18.2	18.5	20.3	21.3	22.1	21.2	20.2	19.5	18.5	19.1	17.7	
11 D	18.1	16.3	4.8	15.0	24.9	16.5	15.5	17.4	12.8	17.7	15.4	13.6	13.8	20.2	20.1	21.9	24.2	27.8	25.6	24.3	21.9	19.4	17.7	17.9	18.4	
12	18.4	18.3	18.6	18.3	17.6	16.5	12.9	24.9	13.7	13.5	14.4	15.1	16.3	14.7	19.8	23.5	24.9	25.3	25.3	23.7	22.1	20.4	18.9	18.3	19.0	
13	18.3	17.2	16.3	15.9	18.0	18.3	17.5	16.3	15.7	15.8	16.0	15.2	13.5	12.0	12.7	18.4	24.3	25.1	26.7	26.6	24.4	21.7	19.8	18.3	18.5	
14 D	18.3	19.2	18.4	18.2	17.5	16.4	15.2	15.2	13.0	9.7	6.1	7.1	12.9	11.6	17.4	24.5	28.6	30.5	27.5	22.7	30.9	21.0	12.2	6.8	17.5	
15 D	1.4	2.1	10.2	16.8	12.6	24.4	29.7	8.9	12.6	14.8	17.5	14.6	9.4	8.8	12.8	17.9	23.5	23.4	24.9	24.2	26.2	22.7	20.1	18.3	16.6	
16	17.9	17.3	14.0	15.4	16.8	19.1	18.8	17.7	17.6	18.8	16.1	16.0	15.7	14.4	15.6	17.7	21.0	21.4	23.0	22.2	21.1	22.2	16.4	19.7	18.2	
17 Q	20.1	18.6	18.8	17.6	18.8	18.5	18.7	19.6	18.5	17.4	16.0	15.5	13.7	16.5	13.3	16.9	21.0	23.9	26.2	26.8	25.8	23.2	21.0	19.1	19.4	
18 Q	18.5	18.3	17.7	18.3	17.7	16.9	14.9	15.1	18.5	22.1	15.3	12.2	10.9	11.1	10.9	14.5	18.9	21.3	23.6	24.5	23.8	22.1	20.4	18.3	17.7	
19	17.9	17.9	17.1	12.5	17.8	17.8	17.8	17.9	19.0	18.0	15.6	13.2	11.3	10.5	11.7	15.0	17.8	21.6	27.0	27.6	25.7	23.2	20.3	18.4	18.0	
20	16.0	13.9	16.2	16.1	18.1	19.1	18.2	19.7	20.5	16.1	14.8	14.9	13.9	12.7	12.3	14.9	19.3	23.4	26.0	26.2	25.2	22.8	20.8	19.1	18.3	
21 Q	18.5	18.5	18.7	18.2	18.1	17.9	17.4	17.5	17.2	17.2	16.4	15.3	14.2	13.6	14.3	16.9	20.1	22.7	24.3	24.4	22.4	21.7	20.1	19.3	18.5	
22	19.2	19.2	18.8	18.3	17.3	17.3	17.2	16.9	16.2	15.4	15.7	14.6	15.8	14.8	14.9	18.1	21.6	23.7	24.8	26.8	26.9	25.8	23.7	20.5	19.3	
23	19.3	19.2	19.2	18.9	15.6	15.5	14.6	15.2	20.2	14.3	10.9	15.1	15.5	15.3	17.2	22.6	25.8	26.5	26.4	26.1	26.3	24.1	21.5	21.8	19.5	
24	20.5	20.9	15.4	18.3	19.1	18.6	18.4	17.4	17.3	16.0	15.0	15.7	14.6	13.6	17.4	21.3	24.6	25.7	26.6	26.8	24.8	24.8	23.0	21.9	19.9	
25	21.5	19.2	14.7	18.7	17.4	17.4	17.4	16.6	17.5	17.8	15.1	14.0	14.0	14.8	15.4	21.5	24.9	27.9	28.6	27.7	25.2	22.4	20.6	20.4	19.6	
26	21.3	20.6	16.6	16.6	22.0	21.1	14.8	15.9	16.0	15.1	14.2	13.0	12.7	13.7	15.8	23.2	22.8	24.3	25.0	25.2	23.8	21.8	21.5	19.2	19.0	
27	18.7	17.8	18.7	16.4	16.1	15.7	15.7	16.3	21.6	17.5	13.2	10.3	11.3	16.3	19.5	22.1	25.8	27.1	27.3	26.9	26.8	25.2	21.3	20.0	19.5	
28	18.4	20.2	16.4	14.6	13.9	13.8	14.8	16.9	17.5	16.1	14.8	13.9	12.8	12.2	14.0	18.6	21.2	22.8	24.1	23.9	22.5	21.8	20.1	18.8	17.7	
29	19.4	19.4	18.8	19.1	19.3	19.1	18.8	18.5	18.4	17.5	16.0	14.7	13.1	13.9	15.7	17.8	23.2	26.1	26.6	25.4	23.1	20.7	21.5	18.6	19.4	
30	19.7	20.9	19.4	20.2	19.5	18.4	18.6	17.6	16.7	16.7	14.7	10.9	9.4	13.7	15.5	21.3	23.0	26.8	26.7	25.1	24.1	23.8	22.1	21.9	19.5	
31																										
Mean	18.2	17.8	16.5	17.5	17.5	17.6	17.2	16.7	16.4	15.9	15.7	14.3	13.0	13.1	14.9	19.0	22.3	24.7	25.8	25.2	24.3	22.4	20.2	19.0	18.6	

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

Table 12 Agincourt

Z = 56,000 γ +

April 1961

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	175	175	168	180	187	178	164	128	117	146	163	156	152	156	162	165	172	182	183	187	188	188	188	184	168	
2	183	181	181	183	170	136	139	152	133	123	142	158	156	163	163	165	163	168	171	180	192	207	220	223	169	
3 D	236	249	249	101	135	183	160	103	89	99	185	193	195	187	181	182	194	195	201	204	209	201	206	205	181	
4 Q	195	194	196	194	191	189	182	170	182	184	186	187	183	182	181	177	177	178	180	182	182	183	186	184	184	
5 Q	187	187	193	190	184	187	183	179	181	181	180	178	176	175	173	170	169	172	175	177	180	181	182	184	180	
6	184	186	191	192	188	186	184	183	182	180	181	183	185	181	176	169	164	160	165	178	189	213	214	223	185	
7	217	198	195	173	173	182	182	182	181	178	172	176	180	178	180	177	172	167	169	174	180	177	178	180	180	
8	180	178	179	182	180	182	176	174	170	176	176	178	177	174	170	167	165	169	172	179	180	181	181	179	176	
9 D	178	180	180	180	181	182	182	177	174	78	46	53	127	158	165	174	178	178	184	186	185	182	180	182	161	
10	186	186	186	182	164	124	133	152	158	165	167	169	172	172	172	174	174	175	180	183	186	185	189	188	172	
11 D	187	185	160	150	91	117	155	160	169	164	170	171	169	162	163	167	175	194	200	195	194	193	192	191	170	
12	187	183	180	180	181	180	152	160	162	175	177	177	178	175	172	175	176	182	185	188	191	188	188	186	178	
13	185	183	180	178	178	180	181	181	181	179	180	182	186	186	185	175	177	174	178	184	186	186	181	182	181	
14 D	180	180	180	179	179	177	177	177	163	143	144	149	142	148	153	157	170	199	294	316	305	362	392	256	205	
15 D	335	179	233	26	121	87	8	151	199	194	198	195	194	186	186	187	196	185	188	204	207	208	202	198	178	
16	196	194	195	188	191	186	182	182	182	185	185	184	179	178	178	181	182	188	191	201	209	218	224	203	191	
17 Q	193	191	190	190	190	188	187	182	181	185	187	187	185	185	186	185	188	190	189	191	191	190	190	191	188	
18 Q	185	187	187	186	183	178	174	175	179	171	175	181	184	185	184	181	177	176	180	183	187	189	191	193	182	
19	189	189	189	180	181	184	184	184	178	180	183	184	184	181	178	178	178	178	179	185	188	190	193	193	184	
20	197	197	193	190	181	180	178	174	175	178	180	180	181	180	178	176	175	175	175	180	184	189	189	187	182	
21 Q	186	185	185	183	182	183	182	183	183	182	184	184	186	186	183	182	176	174	175	178	185	185	187	184	183	
22	184	183	182	183	183	184	183	183	183	181	182	180	176	172	169	165	163	164	172	178	193	215	215	198	182	
23	191	186	184	183	173	177	175	177	171	164	173	173	166	171	169	171	172	175	180	186	196	206	204	187	180	
24	188	192	191	190	191	189	188	186	186	187	186	186	184	184	181	178	183	189	192	202	205	210	211	204	191	
25	199	195	169	184	178	183	186	185	186	185	187	191	191	188	184	180	174	179	184	188	189	191	196	196	186	
26	197	194	195	197	188	146	164	178	185	187	186	184	182	174	176	171	173	173	173	179	183	191	189	186	181	
27	183	183	186	183	184	178	177	177	166	159	173	177	167	172	171	174	180	186	192	196	168	168	166	166	177	
28	167	166	165	180	174	175	175	184	191	189	191	186	188	188	186	180	177	179	180	188	196	197	198	197	183	
29	194	188	185	183	182	182	182	182	183	185	185	183	184	182	179	171	170	173	174	179	188	198	210	207	185	
30	198	201	196	191	186	187	186	184	183	182	180	177	177	174	170	170	172	176	176	182	187	190	194	196	184	
31																										
Mean	195	189	188	175	175	172	169	172	172	171	173	175	176	176	175	174	175	178	185	190	194	199	201	194	181	

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

Table 13 Agincourt

H = 15,000 γ +

May 1961

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	871	875	871	844	846	854	857	857	856	850	842	849	854	862	843	829	833	836	853	868	880	895	892	892	859
2	876	842	867	848	855	866	886	863	862	854	854	851	850	842	835	822	820	828	841	856	863	866	865	862	853
3 Q	862	861	860	861	862	863	865	862	861	862	865	866	861	856	847	838	840	842	845	857	871	880	877	874	860
4	874	873	872	870	867	868	867	868	868	866	866	865	861	856	849	845	842	847	856	867	887	914	923	840	867
5	851	857	855	851	862	865	870	859	866	875	874	869	867	860	841	836	822	881	891	882	886	881	893	862	865
6 D	862	866	860	859	859	773	786	825	839	831	794	816	828	804	834	851	852	861	870	868	867	864	873	873	842
7 D	871	860	866	866	870	870	860	859	871	866	841	842	843	836	839	869	877	885	886	882	882	875	864	864	864
8	865	869	867	859	864	863	867	869	868	858	865	866	865	850	850	855	861	871	874	880	878	877	874	876	866
9	880	880	880	876	875	862	850	859	828	824	869	869	860	850	840	854	864	872	875	880	880	876	870	868	864
10	869	869	869	869	870	872	871	871	863	862	864	865	865	859	853	853	859	869	879	879	879	878	884	891	869
11	863	871	868	874	869	873	881	873	864	882	879	865	855	855	844	845	865	864	876	886	885	878	865	870	869
12	858	842	848	852	869	854	861	872	863	865	854	862	862	849	830	827	843	858	879	875	874	883	893	894	861
13	887	863	844	848	848	853	860	859	867	868	863	853	852	852	844	831	844	852	867	868	868	869	879	878	859
14	873	863	867	852	845	862	867	865	868	866	861	858	852	838	824	829	840	847	859	873	874	876	876	874	859
15 Q	875	875	874	874	873	873	873	877	880	881	878	873	867	857	845	847	856	867	877	886	890	878	882	880	872
16 D	872	846	866	869	879	881	842	847	851	852	867	867	860	845	830	822	823	852	862	876	892	872	873	886	860
17	857	867	867	867	869	872	871	870	869	872	872	869	862	846	831	843	848	855	861	872	879	876	873	867	864
18 Q	867	867	867	868	868	871	871	867	867	865	863	862	858	856	856	857	858	867	876	878	875	873	877	881	867
19	878	878	872	878	881	887	883	879	872	863	873	876	873	860	852	849	857	867	871	892	906	888	892	890	876
20	885	870	879	883	846	832	843	857	853	862	863	858	848	843	836	832	848	863	878	883	893	891	884	883	863
21 Q	881	879	877	874	877	879	876	875	875	875	875	875	874	870	862	858	859	860	870	879	880	895	911	907	877
22	884	888	889	891	886	895	888	889	893	890	894	900	894	884	875	870	859	863	875	871	885	878	889	889	884
23	891	889	883	890	884	869	872	875	876	881	879	874	871	860	855	872	873	883	892	884	883	880	879	875	878
24	881	875	871	862	860	872	877	875	870	870	870	870	863	854	849	844	855	872	878	886	889	889	890	880	871
25 D	886	874	870	875	870	821	767	814	819	823	847	835	817	807	810	821	823	844	870	882	876	877	870	865	844
26	870	870	872	864	866	870	866	863	869	865	864	856	850	841	838	844	858	865	875	884	886	885	885	884	866
27	877	875	875	884	873	870	870	868	869	864	863	863	859	850	842	836	849	862	874	882	889	885	878	879	868
28	875	875	875	869	868	870	869	874	875	875	872	870	874	864	860	844	842	861	873	880	879	920	873	871	871
29 Q	875	879	880	879	881	876	873	872	875	879	880	877	872	870	866	861	864	872	882	894	903	901	895	887	879
30	887	885	879	881	885	885	890	885	880	882	885	890	887	882	880	881	878	890	895	897	898	895	892	906	887
31 D	895	899	875	887	887	875	876	874	873	861	865	869	871	860	869	865	863	897	897	901	891	886	880	879	879
Mean	874	870	875	869	868	864	863	865	865	864	865	864	861	852	846	840	851	863	872	879	883	883	883	878	867

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt

D = 7°W + ...'

May 1961

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	21.9	19.5	11.6	14.9	14.9	17.4	17.7	16.9	14.7	13.9	14.9	16.6	16.0	17.5	14.6	19.1	23.1	27.7	27.8	27.8	25.5	23.1	21.8	21.9	19.2	
2	21.9	10.9	12.1	13.6	14.0	17.7	18.5	19.2	17.3	17.4	13.8	10.1	9.7	10.2	11.4	15.9	20.1	23.1	24.3	24.7	24.0	22.9	20.8	19.4	17.2	
3 Q	18.5	18.6	18.6	15.9	17.8	17.8	18.5	18.4	22.0	18.7	15.5	12.8	12.1	12.0	13.6	16.8	20.1	24.0	27.5	27.8	27.4	23.1	20.8	19.4	19.1	
4	19.4	19.1	19.1	18.6	17.6	17.4	17.4	17.4	18.1	16.8	15.7	13.0	12.8	12.7	12.9	14.8	18.5	22.3	26.6	28.7	27.7	25.2	24.9	21.1	19.1	
5	20.1	20.2	18.4	13.7	18.1	17.4	18.8	21.2	14.8	15.1	15.7	16.9	12.2	13.1	15.0	18.3	19.7	28.7	23.2	26.6	23.2	21.0	20.3	20.5	18.8	
6 D	19.5	17.6	16.6	14.7	15.1	20.3	16.0	13.6	19.7	21.6	24.6	19.4	16.6	21.2	23.2	20.1	21.2	22.1	22.3	22.6	21.2	20.2	20.4	20.2	19.6	
7 D	19.4	7.7	16.0	18.3	18.6	19.8	26.7	30.2	17.9	13.1	13.0	15.3	16.4	18.3	21.7	23.2	23.0	22.7	22.5	21.5	22.0	20.6	21.0	20.5	19.6	
8	20.4	20.4	19.4	16.7	16.1	16.8	24.0	19.0	18.1	20.5	17.7	14.5	14.8	15.8	19.2	20.4	20.7	22.3	23.2	22.2	21.5	18.8	19.5	20.4	19.3	
9	19.8	20.0	18.7	14.1	15.7	16.9	16.1	16.9	20.5	30.6	14.6	12.3	14.1	16.8	19.9	24.1	23.0	23.0	24.5	23.5	22.8	21.5	21.1	20.3	19.6	
10	17.8	18.7	20.4	19.6	18.7	18.7	17.7	16.8	15.4	15.1	16.0	18.6	17.3	17.4	18.9	21.5	22.2	23.3	24.1	22.7	22.3	21.5	19.7	19.2	19.3	
11	16.0	17.8	16.9	15.8	12.4	13.3	16.0	13.9	17.9	16.0	15.0	12.0	13.2	16.1	16.7	20.3	24.9	23.5	25.4	23.5	20.8	20.3	20.6	19.7	17.8	
12	18.9	10.5	9.4	16.9	19.7	21.5	18.8	18.9	19.7	22.4	19.6	14.3	12.2	12.3	15.3	20.3	23.4	24.3	25.5	26.0	24.4	23.2	20.2	16.9	18.9	
13	6.0	15.8	15.2	15.0	7.6	14.9	17.8	17.9	20.7	19.6	17.1	20.0	16.8	13.2	15.5	18.9	23.5	24.0	24.8	23.6	23.5	20.8	23.1	17.8	18.0	
14	16.7	16.4	15.1	14.3	17.0	19.7	19.8	22.6	19.9	17.9	21.3	19.4	14.4	15.0	17.9	20.6	24.0	25.2	25.9	24.6	23.5	21.6	20.7	20.3	19.7	
15 Q	20.0	19.9	19.8	19.6	19.3	18.9	18.7	18.3	19.0	19.2	16.2	13.7	13.3	12.7	13.6	18.0	21.6	24.6	26.6	26.3	24.5	22.6	20.5	18.9	19.4	
16 D	13.3	12.5	17.2	19.0	18.0	11.2	13.4	13.4	12.5	16.9	18.3	11.4	9.6	9.9	16.8	20.8	24.5	25.5	27.2	27.3	23.6	23.1	20.3	18.0	17.7	
17	14.9	18.6	19.1	19.1	18.9	18.7	18.8	19.8	19.1	19.7	16.1	15.5	13.9	14.4	16.4	18.3	22.4	24.8	25.4	24.8	24.1	22.4	20.8	19.9	19.4	
18 Q	19.7	17.5	18.7	19.1	19.1	19.1	18.9	18.7	19.3	20.2	18.9	16.3	14.6	14.6	15.1	16.3	18.3	20.6	21.8	22.6	23.4	22.6	21.6	20.0	19.0	
19	19.2	18.3	19.7	19.1	18.1	16.5	16.9	17.0	17.3	17.3	11.8	10.8	12.6	11.2	12.6	20.8	22.3	24.6	25.6	25.5	24.7	25.3	23.5	19.0	18.7	
20	20.1	21.5	20.0	18.1	14.7	10.8	13.5	15.0	18.0	13.4	11.7	11.5	11.7	14.5	14.5	18.8	24.2	25.5	27.0	27.2	24.2	23.0	22.7	21.8	18.5	
21 Q	21.0	19.3	18.1	17.5	18.0	17.3	18.4	17.6	17.0	14.8	13.2	12.7	12.7	12.7	13.6	16.4	19.1	22.8	25.0	26.5	26.9	24.5	21.7	20.1	18.6	
22	21.0	21.0	21.1	20.2	19.2	18.0	16.4	15.7	14.6	13.7	12.1	11.1	8.8	6.3	10.0	13.1	16.9	20.3	22.7	26.7	26.3	26.2	21.9	20.0	17.6	
23	19.3	20.0	19.1	18.2	14.9	16.4	17.5	17.7	18.2	17.0	16.5	13.9	14.6	14.6	15.2	22.4	22.1	25.0	23.9	24.1	22.1	19.2	18.1	18.1	18.7	
24	17.4	11.8	16.1	17.3	14.3	17.8	22.1	21.2	19.0	16.4	13.6	12.7	12.2	12.8	14.2	18.2	22.9	23.8	24.7	24.4	23.2	21.6	19.2	18.2	18.1	
25 D	17.8	16.5	14.0	17.6	15.6	28.6	10.1	13.6	10.8	11.6	12.5	11.9	13.7	19.4	18.1	22.5	25.8	27.5	26.6	26.0	25.6	24.0	22.0	20.2	18.8	
26	19.4	9.9	15.8	19.2	20.2	19.9	21.3	23.0	20.3	17.3	15.9	14.8	15.5	15.8	16.8	20.5	24.0	24.9	24.4	23.5	22.0	21.8	21.1	20.9	19.5	
27	20.1	19.8	20.3	22.9	18.4	19.2	20.3	19.0	17.5	14.9	13.8	12.2	13.4	14.8	18.4	21.2	23.5	25.8	26.6	26.4	25.1	24.0	23.0	21.4	20.1	
28	21.3	20.5	21.2	19.4	18.5	18.4	18.4	17.2	16.3	15.3	13.2	12.1	10.6	11.2	12.7	16.7	24.7	28.7	30.5	30.4	28.8	23.3	25.0	22.2	19.9	
29 Q	20.7	20.4	19.7	19.4	14.9	14.9	16.9	17.1	17.6	16.1	14.8	13.0	12.7	12.5	14.8	19.2	24.1	26.8	28.3	28.5	27.6	24.2	21.9	20.4	19.4	
30	19.4	19.4	20.3	20.3	19.4	18.3	18.0	19.7	15.9	16.4	12.5	9.3	9.4	11.3	12.8	15.9	17.7	21.4	23.0	23.2	21.8	21.3	19.2	19.4	17.7	
31 D	20.5	19.5	18.5	16.8	11.9	16.4	13.4	15.9	16.8	15.1	13.3	11.3	9.4	10.4	16.2	19.4	22.3	22.1	22.7	21.5	22.3	21.0	20.5	19.6	17.4	
Mean	18.8	17.4	17.6	17.6	16.7	17.7	18.0	18.2	17.6	17.2	15.4	13.8	13.1	13.9	15.7	19.0	22.1	24.2	25.2	25.2	24.1	22.4	21.3	19.9	18.8	

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

Table 15 Agincourt

Z = 56,000 γ +

May 1961

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	192	187	165	154	180	186	186	185	184	182	177	169	162	162	164	167	164	170	173	177	182	191	192	205	177
2	262	274	133	138	184	190	189	178	166	167	183	181	179	176	175	172	175	176	181	182	184	186	185	184	183
3 Q	184	183	182	178	180	179	178	177	175	172	175	176	176	176	178	177	178	181	186	183	186	180	180	180	179
4	179	179	178	178	178	176	176	175	175	175	180	178	178	175	172	170	172	171	172	181	191	214	248	232	183
5	209	198	186	184	181	178	159	108	151	171	177	170	173	171	170	176	178	194	194	192	191	192	204	206	180
6 D	198	190	189	184	176	-3	86	140	165	164	133	153	160	158	174	181	184	189	184	184	190	195	191	192	165
7 D	189	191	180	181	167	157	133	142	131	153	165	166	177	176	173	176	177	178	180	181	183	190	195	192	172
8	190	186	183	183	177	171	155	166	170	165	171	172	173	173	174	177	178	178	185	187	185	196	193	184	178
9	182	178	178	174	162	136	117	104	110	86	143	169	171	170	169	175	175	173	174	176	182	186	187	189	161
10	190	184	183	181	177	175	172	172	165	163	169	167	165	170	170	172	178	183	177	176	180	183	189	195	176
11	201	189	189	159	164	164	155	162	153	159	170	170	170	169	166	167	165	158	166	177	181	190	184	186	171
12	189	189	172	165	170	126	143	128	158	153	163	172	172	173	172	169	166	169	172	171	176	183	190	197	168
13	200	172	160	136	159	180	184	182	176	177	178	164	160	164	160	165	167	170	171	178	183	185	189	187	173
14	188	185	173	152	161	172	177	170	171	176	171	167	174	174	175	175	173	177	184	186	186	185	183	175	175
15 Q	182	181	179	179	179	178	178	178	178	174	174	176	175	172	170	166	166	165	169	180	192	196	203	207	179
16 D	215	196	202	190	181	129	57	137	142	158	162	177	183	178	174	171	175	177	178	183	190	190	192	198	172
17	198	191	188	183	178	168	177	173	177	178	179	178	177	175	172	170	171	169	164	173	179	183	183	182	178
18 Q	181	180	179	178	178	177	173	175	175	174	175	177	173	167	160	154	154	154	155	163	171	177	178	177	171
19	176	177	176	174	173	159	154	159	160	163	171	171	171	161	148	136	143	154	160	167	176	174	177	190	165
20	191	191	185	171	138	145	171	177	150	153	172	174	172	168	166	167	166	161	170	178	187	189	189	188	171
21 Q	190	188	181	182	180	173	169	174	175	178	179	179	178	172	165	160	157	161	167	179	183	185	187	188	176
22	185	183	181	181	181	178	177	177	175	176	175	173	168	162	156	155	152	155	161	172	178	182	184	183	173
23	181	174	174	174	163	162	173	176	175	175	174	168	162	158	153	150	156	161	168	175	183	186	186	185	171
24	185	177	167	170	162	164	167	167	170	173	176	179	174	167	167	163	163	168	171	174	179	181	185	186	172
25 D	190	192	178	154	119	-4	28	90	89	119	150	158	162	158	164	168	176	189	219	230	219	211	205	195	157
26	193	180	170	176	179	179	174	168	175	180	181	175	174	174	171	161	160	156	158	161	165	169	177	183	172
27	186	179	180	155	161	172	162	151	163	173	173	170	169	168	173	172	174	174	175	180	187	190	191	192	174
28	190	189	186	187	181	175	174	175	177	181	176	169	163	162	161	159	163	164	163	171	181	208	206	193	177
29 Q	184	180	177	176	168	152	168	175	177	180	180	177	173	170	171	169	168	170	174	176	178	178	176	178	174
30	178	178	178	178	178	175	172	162	157	166	170	170	170	164	162	159	157	161	162	159	169	171	175	180	169
31 D	176	175	175	172	135	145	156	151	113	94	81	126	155	165	172	168	162	163	166	175	175	175	184	198	157
Mean	189	185	179	176	168	159	163	161	161	164	168	169	166	167	168	169	170	170	173	179	183	189	191	190	173

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

Table 16 Agincourt

H = 15,000 γ +

June 1961

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	859	864	869	869	862	875	880	880	884	884	876	866	855	867	865	866	850	864	895	895	900	896	894	887	875	
2 D	880	875	869	868	870	884	882	883	864	865	876	865	847	834	809	830	841	841	871	888	890	888	886	885	866	
3	882	886	884	889	885	878	859	874	871	876	869	864	864	862	860	855	862	875	879	880	875	875	883	881	874	
4	879	879	879	884	875	869	879	879	883	893	886	884	875	870	873	872	867	874	884	902	900	891	880	881	881	
5	877	878	879	880	879	861	864	871	869	873	873	878	871	869	860	860	860	868	882	893	898	894	894	886	876	
6	884	885	887	886	889	884	890	894	887	887	888	884	876	877	887	890	894	906	894	919	889	878	885	889		
7	881	880	876	875	877	886	884	889	883	880	879	883	873	851	855	874	889	887	889	891	889	892	900	884	881	
8	883	878	878	868	872	878	873	870	872	863	867	862	854	846	845	844	857	868	883	895	886	900	898	883	872	
9	883	883	880	878	880	883	880	881	882	881	877	872	868	858	853	855	872	888	899	905	888	888	886	883	879	
10 Q	883	882	883	880	878	874	879	879	874	879	879	870	873	879	876	870	873	886	894	903	899	892	888	884	882	
11 Q	883	883	883	884	884	885	884	884	885	887	887	886	881	873	862	852	849	860	879	893	899	894	892	888	881	
12	888	893	889	884	878	853	858	873	878	885	884	873	875	868	864	878	882	879	881	883	893	894	894	888	880	
13 Q	883	883	883	883	883	881	879	878	883	888	888	888	882	873	868	868	868	876	888	894	893	899	896	889	883	
14	888	888	888	888	888	888	888	887	882	884	893	895	888	878	870	863	873	884	895	900	904	900	893	903	888	
15	902	901	899	896	893	890	893	893	885	887	889	878	875	878	874	872	880	897	895	888	887	898	905	897	890	
16	890	891	873	873	879	879	879	878	873	869	872	872	869	861	859	854	865	874	880	886	894	889	889	887	876	
17	889	890	891	882	878	878	886	883	879	880	883	879	873	868	865	870	879	894	910	922	916	900	903	889	887	
18	880	882	883	889	884	889	886	881	874	865	865	868	869	862	864	852	869	894	894	901	918	928	933	887	884	
19	875	874	887	879	863	860	869	866	863	860	855	858	850	844	838	844	855	876	898	905	902	890	882	881	870	
20	891	896	887	881	871	877	886	882	894	889	881	882	875	863	861	865	876	887	912	909	937	937	945	932	892	
21 D	927	912	880	874	876	887	888	906	889	894	881	842	830	875	845	851	839	831	845	887	907	1014	1072	979	893	
22 D	913	856	811	816	788	800	789	802	804	809	797	830	807	820	833	824	836	842	863	887	897	909	892	895	838	
23	881	858	863	866	867	866	867	867	868	870	872	867	863	862	859	865	872	872	891	892	887	882	886	890	872	
24	888	891	871	865	867	871	873	873	873	868	868	867	864	858	851	847	857	872	882	889	892	884	883	888	873	
25	883	887	877	877	881	879	881	886	877	870	864	868	879	874	867	862	857	863	877	884	888	903	896	881	878	
26	882	877	883	882	881	882	880	879	881	884	887	885	882	877	858	863	862	871	893	913	904	897	891	884	882	
27	882	884	884	888	883	875	872	883	866	862	864	867	870	870	868	867	871	874	874	882	891	900	897	892	878	
28 Q	886	882	882	884	881	878	881	884	882	883	887	879	874	868	861	852	859	872	881	887	887	891	888	893	879	
29 D	905	890	898	860	841	731	836	861	890	865	873	875	868	860	850	840	845	871	891	903	903	898	886	886	868	
30 Q	875	881	880	877	877	881	878	878	878	879	876	873	866	854	843	832	832	846	875	886	891	896	891	891	872	
31																										
Mean	886	883	879	877	874	870	874	878	876	875	875	872	867	863	858	858	863	873	886	895	898	900	900	892	878	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 17 Agincourt

D = 7°W + ...'

June 1961

Day	Hour U. T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	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	17.8	17.9	18.2	16.9	12.6	18.7	17.9	18.4	17.7	16.8	12.9	17.4	22.5	14.0	17.8	22.6	23.1	25.8	24.4	24.2	22.1	21.6	20.0	18.7	19.2	
2	D	15.4	13.3	17.3	17.7	14.9	18.7	18.4	18.8	25.3	23.3	14.1	14.3	15.8	14.5	20.9	27.0	22.4	26.2	23.9	22.3	23.1	21.8	20.0	19.6	19.5	
3		19.1	19.0	16.9	17.7	16.2	15.5	16.6	23.2	23.5	22.6	18.1	16.5	14.1	13.4	13.9	16.0	18.5	20.6	21.7	23.2	23.3	23.5	22.0	20.8	19.0	
4		20.1	19.7	18.7	15.1	16.4	17.0	15.2	16.2	20.2	22.2	16.9	14.7	14.1	16.9	15.2	17.8	20.8	22.5	25.0	25.3	23.4	22.4	21.5	20.6	19.1	
5		20.4	20.6	20.4	19.7	18.0	15.2	18.4	19.8	23.6	22.1	18.1	15.1	13.4	14.0	16.5	19.0	21.4	24.8	26.4	24.5	23.2	21.8	20.2	20.1	19.9	
6		20.4	20.4	17.4	16.0	17.8	17.8	18.7	17.8	16.0	12.9	13.2	12.4	12.0	13.1	15.1	18.6	18.4	19.7	29.3	27.9	21.6	21.1	20.6	21.2	18.3	
7		21.5	21.5	21.5	21.5	20.4	22.1	24.2	18.7	20.6	22.7	18.6	14.4	12.9	15.6	25.6	29.3	27.7	28.2	26.4	23.3	22.5	19.7	17.0	19.3	21.5	
8		17.5	8.6	19.6	19.4	20.6	27.8	27.0	21.3	18.7	14.8	16.9	15.3	13.7	13.9	16.7	19.5	22.4	25.4	25.7	22.5	23.2	19.5	18.7	19.6	19.5	
9		20.4	20.6	20.6	19.8	20.3	19.5	18.6	19.6	22.4	19.0	14.2	12.2	11.8	14.0	17.8	21.7	24.4	26.2	26.0	23.0	22.4	20.5	19.7	19.7	19.8	
10	Q	19.7	17.7	19.4	18.8	19.5	20.9	22.1	20.3	19.2	19.6	16.9	17.8	16.3	13.9	14.3	17.8	22.3	25.1	24.7	23.3	22.7	21.5	20.6	19.4	19.7	
11	Q	18.6	19.3	19.6	20.0	20.3	19.7	18.6	18.5	18.3	17.0	15.0	13.2	11.9	11.8	13.7	18.4	23.5	27.0	28.9	27.9	25.3	23.2	20.9	19.0	19.6	
12		18.5	18.5	18.6	15.5	15.2	10.4	15.0	17.9	17.7	17.4	18.8	18.9	16.0	14.0	14.8	15.9	19.6	24.3	26.8	27.7	26.0	23.2	21.3	20.1	18.8	
13	Q	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.5	19.0	19.2	16.4	13.7	13.0	13.5	15.0	17.7	22.3	24.2	25.2	25.7	25.2	22.8	19.8	17.7	19.5	
14		18.5	19.1	19.1	19.6	19.5	18.5	18.5	19.4	19.5	20.2	15.8	12.8	11.2	10.3	11.4	15.5	20.4	24.7	27.1	27.0	25.6	23.4	22.4	19.5	19.1	
15		17.3	17.7	18.5	17.9	17.3	16.7	17.2	17.9	16.2	13.8	9.3	7.7	8.8	10.6	11.2	15.9	20.7	22.4	22.9	25.0	23.1	21.9	20.5	19.6	17.1	
16		17.0	15.0	16.9	18.4	19.4	19.5	18.7	18.3	18.8	17.1	15.7	11.4	9.2	10.1	12.8	16.6	23.1	24.7	26.1	26.2	26.0	25.3	22.2	20.4	18.7	
17		19.3	18.5	19.4	17.5	15.9	16.6	18.4	18.8	18.4	16.4	14.6	12.9	12.1	11.7	8.8	19.4	24.0	26.5	26.4	25.2	25.0	23.0	20.3	19.7	18.7	
18		20.4	20.3	21.2	21.1	20.5	18.2	17.3	18.9	17.8	17.7	14.2	8.3	7.4	9.1	11.3	17.5	25.7	25.5	28.1	29.5	27.5	24.6	21.4	21.4	19.4	
19		20.6	21.2	20.4	12.9	11.1	15.9	17.7	17.5	17.3	16.5	14.5	12.9	11.3	11.9	14.9	20.3	24.0	25.8	24.9	24.9	24.0	21.4	20.3	20.2	18.4	
20		19.5	18.9	19.3	16.7	13.0	19.2	19.5	19.6	19.1	15.0	13.6	12.0	11.2	11.5	14.3	19.5	24.2	28.4	27.5	27.8	25.2	24.2	23.6	25.9	19.5	
21	D	25.3	9.3	18.1	17.6	17.6	17.8	16.0	15.5	13.9	11.0	10.6	12.3	9.3	16.8	12.6	17.7	18.4	23.0	26.5	24.0	23.1	13.8	11.3	10.2	16.3	
22	D	7.7	19.3	36.1	24.8	13.1	22.2	18.5	32.6	31.4	12.2	25.1	15.0	28.3	25.3	22.3	21.1	26.2	26.8	26.7	25.0	26.1	25.2	25.0	23.5	23.3	
23		14.3	17.9	19.5	21.4	21.7	21.5	21.1	20.6	19.2	18.4	17.0	16.6	16.6	16.7	17.6	21.5	23.5	27.0	25.9	24.0	22.4	21.3	21.5	20.8	20.3	
24		17.9	17.0	18.8	19.3	21.3	22.2	21.0	19.9	19.8	19.0	17.8	15.6	14.4	13.3	16.1	20.7	24.4	26.4	26.4	25.3	23.4	21.6	20.8	19.8	20.1	
25		20.4	19.9	18.8	18.8	19.8	19.8	19.8	20.7	20.7	19.2	21.4	20.7	12.5	11.3	12.3	14.9	19.9	22.5	26.2	27.2	25.6	21.3	20.5	19.8	19.8	
26		18.8	19.0	18.9	19.1	19.5	19.9	20.0	19.8	19.1	18.5	17.2	14.8	12.7	14.4	14.3	21.6	23.7	27.2	27.9	25.3	24.5	23.5	22.1	20.6	20.1	
27		20.0	19.9	19.7	19.9	18.9	19.9	20.5	23.5	19.8	17.5	23.0	15.0	14.1	16.2	17.1	18.8	20.8	24.4	25.9	26.3	24.5	22.3	20.2	18.1	20.3	
28	Q	18.1	18.8	19.1	18.9	17.6	15.9	18.2	20.0	20.1	18.9	16.0	11.5	8.7	8.8	13.2	19.1	24.1	27.2	27.4	25.4	25.2	22.7	21.1	18.4	18.9	
29	D	17.1	18.0	16.4	-0.3	13.0	9.4	14.3	22.8	21.8	24.1	13.4	11.8	12.1	13.0	15.3	20.6	24.4	28.6	29.1	28.1	26.1	23.8	21.1	18.8	18.4	
30	Q	17.0	17.1	20.3	20.6	20.8	23.2	20.4	20.5	19.7	18.3	15.2	11.9	10.5	10.6	14.0	19.5	23.5	25.8	26.7	26.1	24.7	22.4	21.5	19.8	19.6	
31																											
Mean		18.6	18.1	19.6	18.1	17.7	18.6	18.9	19.9	19.8	18.1	16.2	14.0	13.3	13.5	15.2	19.4	22.6	25.2	26.2	25.4	24.2	22.2	20.6	19.8	19.4	

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

Table 18 Agincourt

Z = 56,000 γ +

June 1961

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	201	193	187	182	170	164	174	172	144	121	143	151	112	149	159	158	162	162	163	175	177	182	186	191	166
2 D	189	184	184	182	174	169	172	164	119	107	151	155	159	157	157	157	164	174	183	186	188	181	181	178	167
3	177	180	177	163	143	121	139	152	149	138	162	171	173	170	173	175	175	174	175	177	178	179	182	184	166
4	182	181	180	164	155	159	169	167	164	152	157	163	164	164	163	160	162	164	166	171	176	176	176	176	167
5	176	179	180	174	155	153	170	170	163	162	166	176	176	174	173	169	172	177	178	179	182	181	186	184	173
6	182	181	176	169	168	174	175	163	149	174	177	175	170	165	163	162	161	162	168	169	182	194	194	187	172
7	179	177	176	176	177	159	138	153	152	135	140	154	158	157	154	155	164	165	178	193	199	204	198	187	168
8	188	174	174	175	175	145	122	145	147	158	168	163	164	168	173	180	181	180	176	183	192	196	193	187	171
9	181	180	179	177	178	175	174	174	168	168	174	174	171	170	167	166	168	169	169	175	181	187	187	183	175
10 Q	181	180	177	175	174	175	169	169	170	176	179	176	174	174	174	174	177	180	177	178	180	177	177	177	176
11 Q	177	176	175	174	174	173	174	174	175	176	181	181	180	177	177	177	174	171	170	170	174	175	178	178	175
12	175	174	170	170	163	131	163	176	177	182	179	169	162	160	159	157	166	166	163	168	175	177	178	180	168
13 Q	177	175	174	174	174	172	172	174	174	175	175	176	175	171	171	174	174	174	175	176	180	178	180	180	175
14	176	175	174	173	172	170	169	170	173	175	177	180	179	172	170	174	169	164	164	164	169	169	174	180	172
15	175	174	173	171	170	169	167	166	164	170	174	171	164	158	152	152	156	163	166	172	175	179	178	180	168
16	188	186	181	179	176	175	174	170	166	168	170	170	164	163	165	168	169	159	156	164	177	183	187	184	173
17	182	181	181	173	163	170	170	171	174	175	177	178	177	170	164	159	159	159	161	169	174	177	184	186	172
18	185	183	181	175	172	167	156	156	162	164	164	164	166	169	170	169	174	165	164	169	184	185	219	222	174
19	199	185	181	174	170	170	175	172	172	176	176	178	178	177	175	173	176	171	171	170	164	174	185	186	176
20	181	181	179	178	172	176	169	164	169	169	175	176	175	173	169	163	160	163	164	163	169	171	182	193	172
21 D	213	195	218	218	205	172	176	181	165	177	154	131	131	139	163	168	164	175	205	263	287	353	329	285	203
22 D	256	233	74	139	103	96	67	-32	35	86	91	123	104	116	145	164	178	174	194	208	200	212	207	207	141
23	219	208	194	186	182	181	182	183	183	184	186	187	184	182	181	182	181	176	170	172	181	189	192	197	186
24	196	183	184	184	182	177	176	179	179	178	179	179	177	177	176	169	168	175	181	180	178	182	182	185	179
25	183	183	183	182	181	178	177	171	169	170	165	159	164	165	164	167	172	176	177	181	181	189	196	201	176
26	197	192	186	183	179	179	179	181	182	183	184	183	182	179	175	177	173	170	167	166	173	180	182	181	180
27	179	178	178	178	175	172	146	117	128	159	158	158	164	165	165	170	173	175	171	165	166	177	181	181	166
28 Q	180	180	182	182	179	173	177	178	183	184	176	167	171	172	172	172	165	163	165	172	177	183	187	190	176
29 D	191	190	189	172	103	-5	126	165	187	177	180	185	179	180	184	184	188	195	195	194	190	190	190	190	172
30 Q	190	189	184	184	179	171	177	182	184	186	185	184	184	185	182	186	181	180	182	184	185	184	183	184	183
31																									
Mean	189	185	178	176	168	159	163	161	161	164	168	169	166	167	168	169	170	171	173	179	183	189	191	190	173

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

Table 19 Agincourt

H = 15,000 γ +

July 1961

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	889	893	881	870	870	870	875	879	880	885	880	880	884	880	862	845	828	854	879	904	912	906	895	887	879	
2	880	880	884	879	880	876	875	886	884	886	887	882	881	869	858	843	839	871	899	902	894	890	892	893	880	
3	889	893	895	895	897	895	895	878	881	888	887	865	879	873	853	843	851	874	914	923	924	897	888	888	886	
4	886	891	889	887	887	888	890	894	896	886	886	882	873	871	870	876	878	903	908	929	936	947	914	894		
5 D	837	851	818	805	810	861	837	840	843	858	861	858	843	847	837	832	841	859	881	877	892	907	903	883	853	
6	880	878	864	886	871	875	878	883	879	872	866	859	856	853	845	821	800	846	907	916	906	885	880	876	870	
7	861	862	860	866	870	866	871	865	876	870	866	861	856	846	829	843	856	863	891	903	912	907	897	887	870	
8	885	875	871	868	871	876	884	876	865	871	874	870	864	858	846	845	858	871	877	884	896	891	892	877	873	
9	875	877	882	890	888	864	846	866	874	870	865	860	866	861	852	841	845	884	912	911	895	884	877	875	873	
10	879	876	871	871	889	851	857	871	865	860	864	865	863	870	860	845	854	894	906	897	890	885	871	870	872	
11 Q	875	880	874	873	875	877	882	882	879	870	867	872	865	865	860	860	874	912	916	908	904	897	898	890	881	
12 Q	875	875	880	882	884	885	895	885	872	865	869	872	861	855	850	854	854	862	882	896	905	901	899	897	877	
13 D	897	898	899	895	895	896	896	895	896	890	889	923	882	954	740	789	922	856	890	911	925	914	943	959	894	
14 D	885	852	864	861	870	860	859	860	814	561	495	507	657	687	738	762	753	790	811	899	974	937	884	868	794	
15	858	845	826	820	806	795	804	827	842	827	815	826	830	820	814	825	826	837	856	882	937	998	952	938	850	
16	881	847	839	831	845	856	854	851	853	843	843	848	833	820	810	840	851	861	872	892	896	888	880	881	855	
17	881	868	867	867	873	868	874	878	869	863	852	848	834	831	849	843	847	854	888	955	929	1016	951	923	880	
18 D	919	889	872	862	858	869	764	832	839	855	859	827	758	724	739	736	733	785	861	959	990	1007	992	925	852	
19	890	854	824	817	832	847	854	852	851	850	853	852	845	829	835	834	839	859	875	884	884	874	875	870	853	
20	864	865	869	869	872	867	871	857	860	870	874	876	865	849	839	844	840	869	905	919	931	929	935	912	877	
21	894	892	865	847	834	779	803	704	804	844	850	850	841	824	811	807	828	828	832	860	862	869	876	878	837	
22	887	881	877	877	877	872	878	868	863	876	883	870	863	843	835	855	862	873	883	885	884	884	884	880	872	
23	879	877	879	878	878	879	883	885	888	892	885	883	876	854	839	846	879	893	880	889	881	884	897	884	879	
24	874	866	867	862	864	848	868	875	864	866	872	865	855	853	849	848	874	891	898	898	887	887	888	887	871	
25	880	868	871	858	847	858	882	879	867	883	878	881	863	858	850	853	865	875	887	892	887	887	887	892	900	873
26	889	876	876	871	871	877	877	879	882	877	873	877	870	855	846	850	858	869	880	896	933	904	940	916	881	
27 D	922	916	907	916	915	908	904	903	195	170	499	670	810	802	805	819	802	807	852	876	1018	1101	933	868	805	
28	844	829	841	859	841	849	855	850	841	836	856	855	842	840	833	824	846	854	880	891	884	887	868	862	853	
29 Q	856	857	861	858	868	852	851	854	862	864	866	866	857	840	834	832	842	866	882	891	887	888	882	879	862	
30 Q	880	874	866	872	877	877	875	879	877	866	861	857	861	851	844	849	865	877	887	896	906	882	880	876	872	
31 Q	871	877	877	878	878	881	881	881	881	881	875	870	862	859	857	852	857	870	890	892	897	899	891	890	877	
Mean	880	873	868	867	868	865	865	865	843	836	843	848	849	843	832	834	844	861	883	900	911	914	903	891	866	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 20 Agincourt

D = 7°W + ...'

July 1961

Day	Hour U. T.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	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		18.8	18.1	14.7	16.8	18.6	21.2	20.7	18.2	19.1	19.4	16.8	13.2	11.4	10.4	13.1	18.5	24.0	28.9	30.6	28.6	25.0	22.3	19.7	18.6	19.4	
2		18.3	18.5	19.2	18.4	19.4	21.5	18.3	19.6	22.1	17.4	12.3	11.2	10.5	10.4	12.1	16.7	25.0	29.6	25.8	24.6	23.4	20.9	19.6	19.3	18.9	
3		19.0	19.4	20.1	19.8	19.4	19.0	18.2	18.3	13.7	13.8	13.0	18.5	16.1	12.9	14.8	18.5	22.6	26.3	25.7	25.5	23.2	22.8	21.3	20.5	19.3	
4		20.0	20.3	18.6	18.2	17.2	16.4	18.2	17.4	16.5	13.9	10.9	10.0	8.1	9.0	11.2	15.3	18.4	23.9	22.7	21.9	20.5	20.0	19.1	19.1	17.0	
5	D	10.2	13.4	17.3	6.4	3.7	19.1	9.7	15.4	11.4	14.6	12.7	12.7	15.5	17.3	17.5	25.8	25.1	23.9	23.2	24.5	22.8	21.1	18.1	20.0	16.7	
6		15.8	18.7	15.2	18.1	17.0	17.9	18.0	20.6	20.8	16.8	15.5	13.4	13.4	15.0	17.3	19.0	21.7	29.1	25.2	21.7	20.5	21.0	20.2	20.0	18.8	
7		19.6	15.5	19.4	15.9	19.5	22.4	24.3	27.0	18.9	15.6	15.6	14.9	14.2	13.3	14.3	20.3	20.9	19.6	24.6	24.3	21.6	20.1	19.0	19.1	19.2	
8		18.9	18.5	17.1	13.2	18.6	19.9	24.1	22.1	23.7	23.4	14.8	10.2	11.2	13.2	15.7	19.8	24.1	24.2	25.0	24.3	21.7	20.7	18.9	17.9	19.2	
9		16.5	19.5	18.9	16.7	15.8	13.6	23.9	14.8	16.2	16.9	15.6	14.9	12.1	12.6	15.6	17.8	23.2	24.0	23.9	23.5	23.2	22.2	19.9	19.8	18.4	
10		17.8	16.8	15.9	14.7	18.8	15.7	18.5	18.8	19.7	18.8	22.2	16.0	17.1	14.1	14.8	16.2	25.1	26.2	26.2	26.0	23.4	20.4	20.3	19.4	19.3	
11	Q	18.8	17.7	13.2	17.7	17.1	18.8	20.3	18.8	19.9	18.0	12.6	10.7	10.4	9.4	11.3	15.3	18.4	23.6	26.2	27.2	25.1	23.3	19.8	17.8	18.0	
12	Q	18.4	18.7	18.5	18.8	19.4	19.6	21.4	18.7	20.5	22.4	13.0	6.8	6.8	8.4	12.3	16.9	22.3	25.3	26.7	26.1	25.3	23.7	21.9	20.1	18.8	
13	D	18.8	18.8	19.7	18.8	18.3	18.7	18.7	17.7	17.5	15.8	15.3	11.2	8.8	-1.1	-4.1	1.2	25.9	18.2	22.0	26.0	21.4	24.5	18.5	8.5	15.8	
14	D	13.0	12.3	15.1	19.3	20.5	19.6	20.4	19.6	31.5	55.7	70.1	43.0	33.6	25.1	21.6	29.0	35.0	26.9	20.0	15.2	11.3	15.9	15.9	15.1	25.2	
15		13.4	17.1	14.6	14.7	8.4	13.9	15.6	21.3	20.2	17.8	11.9	6.0	8.4	8.4	11.1	14.2	18.6	20.8	22.6	23.3	21.6	17.7	18.1	19.3	15.8	
16		15.0	14.8	9.9	14.9	21.1	20.2	19.5	18.7	20.2	20.8	19.6	14.2	11.9	12.4	15.7	19.3	20.5	22.2	25.1	25.7	25.6	24.2	23.3	21.4	19.0	
17		19.9	17.9	18.7	18.9	22.5	23.3	17.7	16.6	17.5	17.0	21.1	20.1	21.6	18.8	16.7	12.8	17.8	23.3	25.2	25.9	34.3	21.6	26.2	25.7	20.9	
18	D	14.2	16.0	18.8	4.0	17.2	19.2	26.8	14.3	22.4	18.1	10.9	15.7	40.8	39.0	34.9	23.2	25.5	19.4	22.3	11.4	12.2	11.4	7.7	11.0	19.0	
19		13.8	12.8	13.0	14.4	17.0	21.4	21.5	22.3	21.5	19.8	18.0	16.1	15.8	16.6	16.8	18.8	22.4	23.7	24.2	24.0	24.3	24.2	22.2	20.7	19.4	
20		20.4	20.8	20.3	19.8	18.4	18.9	19.2	18.9	19.7	17.6	13.5	12.1	11.7	12.5	14.2	19.4	25.5	26.2	27.1	28.2	30.6	30.9	25.9	25.4	20.7	
21		22.4	19.3	13.1	13.3	1.2	10.6	-1.3	41.0	24.7	15.9	14.0	12.1	13.7	17.2	19.5	19.8	20.5	22.6	23.7	20.9	21.8	22.0	20.8	20.2	18.0	
22		20.2	20.0	20.0	19.3	19.8	18.0	22.7	23.6	20.1	13.5	14.5	12.2	11.7	13.3	17.8	21.1	21.8	22.5	23.8	23.3	23.1	21.4	20.8	19.9	19.3	
23		20.0	20.3	20.2	19.4	18.0	18.0	19.2	19.1	17.7	17.2	21.2	13.2	8.6	9.5	15.4	20.8	24.8	22.7	26.6	26.3	24.8	22.7	18.9	18.9	19.3	
24		18.1	17.7	18.2	17.4	17.2	14.8	13.8	17.5	21.0	28.5	17.5	17.9	19.9	16.3	17.9	21.5	23.0	22.8	22.7	22.7	23.1	22.2	20.3	18.6	19.6	
25		18.0	14.8	15.8	15.3	13.4	17.0	26.3	19.4	20.2	23.0	13.7	11.9	12.1	11.3	11.6	16.4	20.3	23.0	23.9	23.3	24.2	23.8	22.5	20.0	18.4	
26		12.0	17.0	18.7	8.4	15.7	18.2	18.4	19.4	19.1	19.5	21.8	15.3	12.1	13.0	14.7	20.3	24.0	24.9	24.9	23.8	19.4	22.9	24.1	20.6	18.7	
27	D	20.6	17.5	16.8	15.4	15.6	14.8	12.3	16.1	65.4	40.2	41.1	11.4	4.5	2.2	13.8	21.5	26.3	30.8	32.4	31.4	27.1	5.7	23.4	24.2	22.1	
28		23.4	16.6	17.7	16.1	19.9	20.9	24.4	23.0	26.3	26.0	16.7	12.4	12.4	14.1	17.0	22.8	25.2	26.1	25.2	24.9	24.3	23.2	22.7	21.7	21.0	
29	Q	21.3	21.2	20.8	17.6	14.6	18.5	19.6	21.0	21.6	20.2	17.7	13.7	12.4	10.3	13.5	18.5	22.3	25.6	25.7	25.9	25.1	24.2	23.3	22.2	19.9	
30	Q	20.6	21.2	21.5	21.7	20.9	21.5	21.6	24.9	18.6	20.9	19.8	17.0	14.2	14.2	17.0	22.8	27.3	28.1	27.8	27.8	25.5	23.5	21.8	21.4	21.7	
31	Q	21.6	21.4	21.4	21.4	21.1	20.6	20.6	20.5	19.5	18.2	16.1	15.9	16.3	14.5	16.1	20.3	25.3	27.4	27.9	29.0	27.0	23.8	22.2	20.7	21.2	
Mean		18.0	17.8	17.5	16.3	17.0	18.5	19.1	20.3	21.5	20.5	18.4	14.3	14.1	13.3	15.2	18.8	23.3	24.6	25.1	24.4	23.3	21.4	20.5	19.6	19.3	

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

Table 21 Agincourt

Z = 56,000 γ +

July 1961

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	184	184	180	180	178	156	135	124	146	165	166	173	180	179	174	177	173	175	176	177	178	183	185	186	171
2	184	183	181	180	179	158	154	149	141	167	179	178	174	171	168	167	167	158	160	166	174	179	182	184	170
3	180	178	178	177	178	177	155	134	147	174	172	156	146	155	158	166	171	168	171	174	177	175	178	179	168
4	179	179	178	178	177	172	177	176	175	176	172	176	168	166	166	169	173	168	177	177	181	193	228	268	181
5 D	269	224	119	123	57	118	68	98	93	144	166	174	176	171	165	184	184	196	207	207	207	216	215	204	166
6	201	189	187	154	171	183	178	164	161	175	179	180	188	190	186	177	184	196	196	191	193	187	188	190	183
7	193	192	155	177	177	165	149	129	165	174	173	180	178	180	179	182	174	176	177	184	189	190	190	184	176
8	184	183	180	172	177	180	166	149	142	129	164	172	173	178	172	172	178	177	178	178	184	190	196	193	174
9	190	183	181	178	162	159	128	141	171	175	177	174	173	177	177	174	165	162	167	171	173	177	181	181	171
10	180	183	180	175	120	141	122	98	147	147	147	146	160	170	178	179	178	184	123	123	183	190	189	187	160
11 Q	185	184	183	180	177	167	171	171	171	173	177	179	177	173	173	165	161	160	160	165	174	183	189	192	175
12 Q	190	188	183	180	179	178	165	141	141	153	165	178	183	178	182	180	178	173	176	176	174	182	179	179	174
13 D	178	178	177	178	178	173	176	177	176	176	176	162	113	125	125	147	154	166	198	263	272	232	257	293	185
14 D	267	233	218	194	174	164	179	183	49	-187	-162	20	21	121	130	148	154	219	257	283	277	257	235	227	153
15	221	210	209	193	133	99	94	106	134	149	160	160	159	160	173	178	179	190	192	210	260	306	279	270	184
16	232	135	166	187	174	165	175	173	190	187	184	188	184	182	182	179	172	177	197	215	216	206	196	194	186
17	202	202	199	191	168	155	167	179	185	124	160	136	129	134	140	157	165	168	182	233	269	334	265	249	187
18 D	263	213	223	209	116	-6	-23	137	164	184	196	162	33	59	100	149	201	269	302	354	356	346	295	285	191
19	204	196	192	183	195	188	184	190	192	195	195	195	196	196	197	197	190	184	182	181	183	189	190	194	191
20	191	188	188	184	184	167	139	148	179	189	189	188	184	177	176	165	169	187	189	195	195	214	217	183	
21	206	222	258	237	107	57	67	-62	74	148	148	156	154	159	164	175	182	183	200	213	213	212	203	196	161
22	192	189	188	188	187	185	155	134	116	157	154	184	190	185	178	179	173	170	170	181	188	189	189	188	175
23	186	183	183	183	182	181	182	179	179	177	158	161	165	166	161	170	176	177	183	192	195	204	217	214	181
24	208	203	192	182	146	118	160	176	167	136	149	161	165	168	171	171	171	172	177	183	188	195	196	195	173
25	195	188	153	173	181	170	129	152	157	149	165	184	182	172	169	170	171	173	176	183	183	187	184	186	172
26	199	188	186	171	158	176	176	177	178	177	169	169	170	171	173	176	177	178	184	188	195	208	232	250	184
27 D	231	221	205	187	169	127	150	163	-318	-331	-222	79	187	194	183	181	194	217	273	263	271	336	231	208	142
28	213	211	198	163	165	160	139	171	171	151	182	189	188	190	191	194	189	188	188	201	216	213	200	192	186
29 Q	188	183	184	181	153	159	169	177	182	183	183	183	181	181	177	176	168	161	164	176	183	185	182	183	177
30 Q	186	186	186	186	186	175	156	151	158	170	170	174	175	176	180	181	178	176	180	188	193	188	186	181	178
31 Q	178	177	177	176	176	176	175	175	174	174	176	176	175	175	171	163	163	164	169	177	185	186	182	185	175
Mean	202	192	186	181	163	153	146	147	139	137	147	164	162	167	168	173	174	181	188	199	207	213	208	208	175

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

Table 22 Agincourt

H = 15,000 γ +

August 1961

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	881	876	857	871	881	886	887	886	885	882	883	881	875	870	861	858	860	866	876	896	898	896	897	896	879	
2 D	893	885	883	887	915	809	698	804	804	861	865	855	836	829	847	844	850	864	876	876	882	905	896	885	856	
3	874	872	872	872	842	846	865	876	847	863	876	868	851	846	841	839	859	873	881	902	904	882	893	885	868	
4 D	881	897	859	856	866	876	870	866	866	875	858	859	860	851	840	844	856	873	878	887	881	881	880	878	868	
5	880	881	883	882	886	880	871	871	876	872	865	876	873	857	847	846	847	862	881	895	903	895	897	881	875	
6	876	883	886	886	885	885	884	884	881	881	880	879	868	857	848	842	846	860	881	896	903	908	888	887	878	
7 Q	883	886	886	887	885	886	887	887	885	884	882	882	877	872	867	857	868	887	901	900	902	902	897	886	885	
8	886	891	891	887	876	874	875	887	883	863	884	879	877	870	873	866	862	866	882	855	882	905	902	892	880	
9 Q	883	883	877	869	869	878	880	880	882	878	879	878	867	856	851	854	863	875	893	903	903	899	897	891	879	
10	892	889	874	877	879	870	864	849	859	869	854	858	850	841	836	853	863	874	895	911	913	905	895	888	873	
11 D	897	865	870	852	873	899	900	899	896	889	879	883	861	883	867	859	870	879	887	894	904	888	904	883	883	
12	880	880	879	879	869	872	874	878	877	878	877	875	869	855	836	829	841	869	891	921	906	907	899	891	876	
13 Q	890	889	873	874	880	883	884	885	889	889	884	879	868	853	834	832	840	863	885	902	909	905	903	898	879	
14	895	894	894	892	890	889	890	890	889	885	886	881	862	864	844	832	833	851	884	894	892	899	904	896	880	
15	989	894	897	894	894	896	908	885	885	883	881	879	874	859	843	842	854	874	879	885	894	893	893	894	882	
16	888	889	885	890	900	898	894	889	889	888	887	884	874	859	845	845	859	869	884	900	910	913	910	894	885	
17	889	889	891	895	893	894	896	896	894	890	880	886	889	878	884	849	853	870	887	895	904	899	888	886	886	
18	887	889	891	889	894	896	898	896	900	899	899	895	889	877	861	859	869	881	886	893	899	896	898	901	889	
19	900	898	886	884	881	868	869	865	871	876	878	871	874	864	857	853	854	863	873	882	886	894	893	890	876	
20	889	887	888	889	889	888	888	888	884	883	879	877	879	874	863	858	859	873	893	893	893	893	890	885	883	
21	888	888	888	889	895	896	895	895	890	886	883	878	873	863	855	856	862	875	888	899	908	903	901	899	886	
22 Q	899	898	893	896	895	895	896	897	893	892	889	883	874	861	849	847	856	852	893	904	905	904	903	899	886	
23 Q	897	897	895	893	895	895	893	888	888	889	885	880	875	867	859	862	871	883	896	906	908	906	904	901	889	
24	901	903	902	903	901	900	902	901	900	898	897	893	880	864	850	859	877	889	904	917	922	914	904	911	896	
25	904	899	893	903	904	899	900	899	893	889	893	885	873	851	849	863	872	883	900	906	914	925	900	901	892	
26	899	908	904	889	893	899	899	897	887	882	888	889	882	868	862	859	864	878	893	919	924	907	893	883	890	
27	857	876	889	889	892	890	892	883	880	886	885	879	867	848	839	839	857	873	884	889	895	899	896	897	878	
28	888	893	898	893	893	894	892	892	891	887	881	879	873	862	853	849	853	863	879	896	904	897	895	900	884	
29	900	899	896	893	893	895	898	897	893	893	893	889	883	873	859	858	868	893	904	905	874	888	896	880	888	
30 D	852	852	848	885	887	887	888	889	893	898	866	845	820	838	823	815	816	854	881	893	891	890	883	867	865	
31 D	854	853	822	807	795	854	883	826	866	883	882	877	867	857	851	847	854	859	873	897	887	900	884	879	861	
Mean	886	887	882	882	884	883	881	881	881	883	881	878	869	860	851	849	857	871	887	897	900	900	896	891	880	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 23: Agincourt

D = 7°W + ...'

August 1961

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	20.8	20.1	13.5	16.6	19.8	19.8	19.8	19.1	19.1	18.3	17.0	12.7	12.4	12.0	14.1	17.8	21.7	25.9	27.1	26.5	25.3	23.7	21.8	21.7	19.4	
2	D	17.0	9.8	18.1	16.0	-2.8	-6.1	28.7	12.7	15.0	9.5	12.5	12.6	15.2	15.3	18.0	21.1	24.9	24.4	25.4	24.5	22.9	20.9	17.2	17.1	16.2
3		17.1	17.5	15.1	16.3	14.7	18.5	22.8	23.3	26.6	23.6	15.5	14.0	16.6	17.3	14.2	20.4	21.7	24.2	27.2	25.7	25.2	23.3	19.2	15.4	19.8
4	D	16.5	10.7	19.0	18.9	20.1	25.9	21.5	18.1	21.2	20.7	21.0	20.0	16.1	17.1	18.8	22.3	24.3	26.9	27.3	26.0	24.2	21.9	21.5	21.8	20.9
5		21.4	21.1	19.3	21.0	19.0	18.5	19.6	20.8	20.5	25.3	20.8	15.0	13.5	14.4	19.0	22.7	25.4	27.8	27.2	26.0	23.1	21.8	20.0	20.7	21.0
6		20.0	21.1	21.1	21.1	20.2	19.0	19.2	19.5	20.3	18.6	17.8	14.6	14.3	15.5	20.4	25.5	29.6	31.0	29.8	26.6	23.5	21.7	20.6	19.8	21.3
7	Q	21.0	20.8	20.7	20.0	20.0	20.0	19.9	19.1	18.9	18.1	16.9	14.8	15.9	16.2	17.2	21.3	26.4	29.0	28.1	26.7	25.5	22.8	20.6	19.9	20.8
8		20.0	20.7	20.8	19.9	17.2	18.7	24.5	16.1	14.1	19.6	12.5	11.2	15.0	13.4	18.7	19.9	24.5	26.3	26.2	30.4	25.5	21.9	19.6	18.8	19.8
9	Q	19.6	20.0	18.3	17.6	17.2	21.8	20.0	19.9	19.8	18.8	17.1	14.5	12.6	13.5	15.3	19.0	22.6	26.6	27.3	26.3	24.4	21.9	20.7	20.0	19.8
10		19.9	18.9	18.0	18.7	16.7	12.0	13.2	25.4	24.4	13.1	9.6	7.9	7.3	12.6	21.1	26.6	29.0	28.3	28.3	27.1	23.4	20.8	19.3	18.8	19.2
11	D	18.7	14.0	16.7	3.9	10.4	18.7	19.3	18.1	21.5	20.8	13.3	11.5	23.4	19.9	22.0	24.9	24.4	27.2	30.9	30.0	28.2	25.3	22.7	21.8	20.3
12		21.6	21.4	20.5	16.1	16.2	17.2	18.9	21.0	18.6	17.0	15.6	14.1	13.6	14.2	16.8	22.2	27.2	30.8	31.1	28.6	27.1	24.6	21.9	21.5	20.7
13	Q	21.5	19.5	19.9	18.2	19.7	19.2	19.7	19.7	19.6	18.8	16.9	14.6	13.1	12.5	14.2	19.6	25.2	28.4	28.8	28.7	26.8	23.7	21.7	21.0	20.5
14		21.4	21.5	20.9	20.7	20.5	20.3	20.2	19.9	20.5	18.2	16.0	13.5	14.2	12.5	15.8	22.4	27.6	34.8	32.9	29.9	27.2	24.2	21.0	19.6	21.5
15		19.8	20.4	20.2	20.2	19.8	19.7	21.7	18.4	17.0	16.3	12.9	10.3	10.6	11.5	15.5	20.7	27.7	30.4	30.4	27.9	25.1	23.3	21.4	19.1	20.0
16		14.1	17.5	17.8	17.8	16.8	18.9	19.1	18.7	18.6	18.0	16.1	13.3	12.3	12.2	14.9	18.6	22.9	26.7	28.8	29.4	27.8	24.3	21.4	19.8	19.4
17		20.1	19.8	19.7	19.5	19.0	19.0	18.9	18.5	17.6	21.5	22.5	13.3	9.4	10.1	12.7	16.7	21.5	26.1	28.8	29.1	26.0	22.9	21.0	19.9	19.7
18		20.2	19.8	19.7	19.7	19.6	19.5	19.2	18.7	18.6	19.1	18.7	12.9	10.4	9.4	13.8	18.7	23.4	27.0	27.6	27.0	23.9	22.2	20.9	19.9	19.6
19		19.6	18.8	17.8	18.3	11.5	12.9	14.9	11.2	14.4	19.6	21.6	15.9	12.4	15.7	18.1	22.4	25.8	27.3	28.8	27.0	24.5	22.4	20.6	20.5	19.2
20		20.6	20.6	20.5	20.3	19.9	19.6	19.7	19.6	19.3	18.7	20.4	17.6	14.1	14.0	17.6	19.2	23.8	29.2	30.3	28.6	24.4	21.1	18.8	18.6	20.7
21		19.1	19.3	19.6	19.0	18.1	19.7	21.2	19.7	18.2	17.4	15.9	14.1	12.5	13.1	16.6	23.2	27.9	30.1	28.3	25.2	22.6	21.3	19.8	19.8	20.1
22	Q	20.4	20.3	19.8	19.8	19.7	19.3	18.7	17.9	17.8	17.2	15.7	13.5	12.2	13.1	16.5	21.9	26.3	27.9	28.2	27.3	24.9	22.4	20.9	20.8	20.1
23	Q	20.9	20.6	20.5	20.5	20.0	19.9	19.0	18.6	18.0	16.4	14.3	12.3	11.4	12.8	16.9	21.4	25.0	27.9	28.3	26.1	23.2	20.5	18.9	18.8	19.7
24		19.8	20.2	20.2	20.1	19.7	19.4	18.7	18.3	17.8	16.9	15.3	12.9	11.3	11.5	15.2	22.2	25.4	26.8	27.8	24.4	21.7	20.4	19.6	19.5	19.4
25		19.7	20.0	20.0	20.0	19.8	18.9	17.8	16.2	16.3	15.2	13.3	11.6	11.5	11.5	20.9	26.9	27.9	30.0	30.7	28.6	23.6	21.4	20.5	20.3	20.1
26		20.9	19.9	19.8	13.4	15.0	17.1	19.9	18.3	15.6	19.9	15.1	10.5	8.2	9.2	14.3	21.7	27.0	29.0	27.9	26.1	24.3	22.1	19.4	20.2	19.0
27		17.8	20.2	19.7	19.8	19.0	17.0	14.1	15.1	17.9	17.7	15.2	12.3	10.4	10.5	14.1	19.3	25.5	27.9	28.7	27.9	25.5	22.7	20.9	19.8	19.1
28		18.9	19.8	19.0	16.3	19.8	19.9	19.7	18.8	18.2	17.6	16.3	13.3	10.7	10.7	15.2	20.7	26.8	29.9	30.9	30.5	28.5	25.9	22.5	20.6	20.4
29		20.4	20.0	19.8	18.9	19.8	19.8	19.0	18.8	18.7	17.9	16.1	13.4	12.3	11.9	14.4	21.3	25.3	26.9	26.2	26.8	27.1	22.8	20.9	19.5	19.9
30	D	17.1	13.7	7.2	6.1	13.3	19.8	20.7	19.8	19.6	20.5	26.5	20.9	32.7	27.2	20.9	22.7	33.9	35.4	32.7	26.9	24.5	20.9	19.7	17.2	21.7
31	D	13.3	13.3	5.8	8.7	24.9	13.6	18.1	30.7	27.8	18.7	13.3	13.7	15.1	16.4	22.0	22.2	23.5	25.4	27.1	25.0	24.3	21.7	19.8	15.0	19.1
Mean		19.3	18.8	18.4	17.5	17.6	18.0	19.6	19.0	19.1	18.4	16.5	13.6	13.6	13.8	16.9	21.5	25.6	28.2	28.7	27.3	25.0	22.5	20.5	19.6	20.0

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

Table .24 Agincourt

Z = 56,000 γ +

August 1961

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	183	185	187	174	175	177	176	176	176	176	176	177	177	179	179	182	186	182	177	179	182	187	191	188	180	
2 D	212	254	222	186	107	27	64	68	-8	137	162	167	164	147	152	163	176	182	186	186	186	201	210	201	156	
3	201	189	181	162	124	112	143	161	142	166	182	179	170	170	174	173	177	186	187	193	198	197	205	205	174	
4 D	203	174	182	190	187	150	136	153	170	180	173	182	185	185	183	190	192	193	184	186	189	191	193	188	181	
5	184	182	180	176	225	154	144	159	160	146	123	148	162	165	166	167	168	169	174	180	186	184	188	184	170	
6	184	179	176	175	175	172	173	171	170	170	170	170	170	170	175	175	179	180	181	182	181	184	179	178	176	
7 Q	174	174	174	174	175	175	174	173	172	174	176	174	173	170	169	168	169	173	175	181	185	185	185	176	175	
8	179	178	175	176	178	176	102	149	156	139	125	156	167	170	173	168	162	167	181	185	192	199	192	185	168	
9 Q	179	179	180	180	177	161	153	166	175	178	179	179	174	172	169	167	169	166	167	171	173	178	180	180	173	
10	179	179	180	179	173	153	130	106	113	124	147	148	152	161	158	161	168	171	174	184	185	185	184	184	162	
11 D	189	189	194	173	161	178	180	179	167	130	145	153	130	119	133	145	149	156	172	189	204	216	217	212	170	
12	191	179	175	169	167	168	173	172	177	179	178	176	174	175	174	179	184	178	168	171	172	175	179	178	175	
13 Q	175	177	179	182	178	177	174	175	177	177	178	178	177	176	172	172	170	166	171	173	174	177	174	176	175	
14	173	172	172	172	172	172	172	172	167	171	177	178	172	166	160	148	148	156	165	168	176	180	182	176	169	
15	173	172	172	172	172	172	125	123	154	173	173	177	174	166	160	160	166	167	173	178	180	179	179	179	167	
16	178	174	173	169	148	154	166	170	171	172	173	174	172	171	165	161	160	159	163	168	172	174	179	176	168	
17	174	173	172	172	171	171	171	171	171	170	159	160	163	165	161	149	148	155	165	174	178	185	184	181	168	
18	177	173	171	170	169	169	169	168	169	170	167	166	165	164	160	158	153	156	160	165	170	171	172	172	167	
19	169	169	170	171	152	136	134	124	143	158	136	133	136	146	152	160	158	163	170	173	175	179	182	177	157	
20	175	172	170	170	170	170	170	170	170	171	166	159	159	159	158	154	157	165	175	177	185	188	186	180	170	
21	177	176	173	172	168	165	158	160	165	170	171	171	168	166	164	164	164	168	176	177	182	180	178	175	170	
22 Q	172	171	171	171	170	170	170	170	170	171	172	173	172	171	170	165	161	163	167	172	174	175	175	171	170	
23 Q	171	170	170	171	170	169	171	171	171	171	172	174	175	172	172	171	170	170	172	176	177	178	175	170	172	
24	167	166	165	164	164	165	164	165	165	165	166	169	167	163	156	153	155	164	175	176	177	176	166	165	166	
25	167	170	171	168	166	166	166	160	161	160	164	165	166	164	163	166	166	167	172	173	173	176	168	168	167	
26	166	166	166	166	161	154	161	160	167	167	167	167	165	164	164	161	161	160	160	168	177	183	191	203	168	
27	199	181	173	171	166	154	126	135	165	172	173	173	168	165	160	161	165	168	173	176	179	178	174	173	168	
28	172	172	172	166	170	170	169	169	169	169	168	171	173	172	165	160	161	166	167	170	177	180	178	177	170	
29	172	172	171	168	168	168	168	167	167	168	168	168	169	166	161	160	154	153	166	180	184	182	181	199	170	
30 D	213	203	191	148	148	163	168	172	166	141	102	89	157	148	128	149	162	177	182	191	194	210	222	222	169	
31 D	210	192	150	78	25	75	119	84	99	170	169	173	174	169	169	165	168	180	187	193	193	197	198	192	155	
Mean	182	179	176	169	162	156	154	155	157	164	163	165	167	165	163	164	166	169	173	178	182	185	185	183	169	

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

Table 25 Agincourt

H = 15,000 γ +

September 1961

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	876	873	884	884	895	874	914	873	868	864	853	867	877	868	849	828	843	872	871	892	888	912	883	877	875	
2	878	881	883	885	887	889	883	887	886	859	876	880	869	856	853	852	863	876	886	896	902	899	901	884	880	
3	882	889	889	889	905	868	873	889	885	888	881	880	879	865	858	863	869	880	892	895	896	894	890	892	884	
4	890	893	893	893	891	890	886	889	885	889	888	875	869	869	860	860	871	885	896	898	900	893	894	888	884	
5	895	896	876	886	894	894	893	886	885	884	884	880	866	849	839	848	864	874	886	889	885	885	884	885	880	
6	889	889	884	878	873	880	885	886	887	889	889	886	874	859	835	840	850	864	874	887	899	900	900	899	879	
7 Q	898	890	888	889	893	894	896	896	894	894	894	891	879	862	851	853	859	870	884	890	900	905	904	900	886	
8 Q	900	899	900	899	899	895	896	898	897	899	896	892	877	859	847	844	854	875	890	899	904	906	910	910	889	
9	914	911	910	905	903	899	896	879	883	875	888	878	868	856	849	845	854	869	886	896	904	909	896	896	886	
10	899	893	889	894	895	893	890	888	887	890	889	888	878	857	845	849	863	872	888	893	897	905	901	903	885	
11	894	898	900	898	897	902	891	894	895	894	896	893	885	878	859	859	855	864	883	893	896	909	873	872	887	
12	883	890	890	883	873	847	824	852	882	878	871	864	870	865	857	854	856	864	878	889	891	897	894	875	872	
13	887	887	887	881	879	877	884	884	884	887	888	884	870	854	844	844	860	873	884	892	909	919	899	901	882	
14 D	894	897	900	897	911	888	878	871	894	894	894	886	840	829	879	855	849	858	879	880	874	883	896	874	879	
15	887	890	886	887	887	885	883	885	883	880	878	882	875	858	850	848	852	859	869	879	883	881	881	886	876	
16	888	888	886	883	888	893	890	888	892	893	890	883	878	862	854	858	859	870	883	896	893	878	885	892	882	
17	883	856	842	850	853	867	871	872	877	883	885	879	870	867	858	855	857	863	876	881	885	887	887	887	870	
18	883	883	873	862	875	883	887	885	886	888	891	889	883	873	859	851	857	876	878	880	885	887	886	895	879	
19 Q	896	894	891	886	889	890	891	896	893	895	891	891	883	878	876	874	875	886	896	895	892	891	890	895	889	
20	890	883	880	874	869	874	884	875	884	890	899	899	896	890	885	877	889	904	903	901	896	875	887	895	887	
21 Q	898	897	896	895	896	896	891	892	892	894	891	889	886	878	869	869	884	896	904	910	900	899	900	898	892	
22	899	899	896	895	895	895	895	903	899	896	901	895	888	885	875	868	884	898	907	910	894	898	894	897	894	
23 Q	895	897	896	894	894	894	894	893	894	893	890	887	876	862	852	862	878	892	899	909	904	904	907	905	890	
24 D	905	904	903	902	902	904	906	899	901	908	899	914	904	877	827	841	860	851	866	892	880	887	846	850	884	
25 D	872	862	858	871	882	886	822	862	870	857	872	881	848	844	852	840	850	862	874	884	886	892	882	881	866	
26	881	890	891	876	882	883	887	883	880	876	882	887	885	867	848	837	850	862	881	884	892	887	876	878	877	
27	861	871	861	857	851	870	861	851	866	851	846	862	857	875	856	844	848	856	881	885	890	887	892	889	865	
28	886	885	881	877	880	880	882	880	883	882	883	883	876	866	854	846	849	862	878	885	892	885	892	876	877	
29	881	886	885	882	891	881	880	881	881	885	886	885	881	871	860	850	855	874	886	896	889	892	899	888	881	
30 D	882	881	881	873	859	842	865	871	873	881	883	886	875	861	860	849	851	857	873	894	886	896	984	1022	882	
31																										
Mean	889	888	886	884	886	884	883	883	886	885	885	885	875	865	855	852	860	872	884	892	893	895	894	893	881	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt

D = 7°W + ...'

September 1961

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	12.4	16.7	15.8	16.3	22.8	27.9	24.6	22.2	12.6	14.0	19.9	20.7	12.6	11.9	15.8	20.3	27.0	26.0	28.0	25.0	25.4	23.3	17.1	19.9	19.9	
2	20.7	19.8	19.8	18.1	19.1	20.0	19.7	24.3	18.2	26.8	24.5	15.3	15.8	16.4	19.0	21.1	25.1	27.1	26.5	24.4	21.6	20.5	19.5	16.7	20.8	
3	15.1	20.8	21.3	20.6	23.8	21.7	29.0	15.1	16.3	17.6	19.5	17.1	13.3	15.1	19.8	25.0	27.2	30.4	30.7	27.5	23.8	21.3	20.2	20.4	21.4	
4	20.4	20.6	20.6	19.8	19.8	19.7	19.7	25.0	19.5	19.7	17.1	17.7	16.9	17.2	21.5	26.2	29.0	28.1	26.1	24.0	22.2	20.7	20.1	20.5	21.3	
5	18.2	14.1	19.0	21.5	21.8	25.0	23.3	23.1	18.0	15.5	15.7	13.0	14.6	17.0	23.6	29.5	33.0	32.3	28.2	26.4	24.1	21.8	19.3	19.2	21.6	
6	19.3	19.8	18.9	20.8	16.7	18.7	20.6	19.8	19.0	18.6	17.6	15.2	13.4	14.2	17.0	23.2	27.9	30.5	30.4	28.4	24.7	21.5	20.2	20.4	20.7	
7 Q	19.9	20.4	20.8	20.9	20.6	19.9	19.6	19.8	18.6	16.1	15.1	12.4	11.1	11.5	16.0	22.3	26.5	29.0	28.9	26.3	23.3	20.9	20.0	20.6	20.0	
8 Q	20.8	20.6	20.6	20.2	20.0	19.7	19.4	17.9	17.0	16.9	16.7	15.0	12.7	12.5	15.6	20.4	25.2	28.2	29.6	28.6	25.9	22.6	21.1	21.3	20.4	
9	21.3	21.4	20.7	20.7	20.1	19.4	17.7	11.8	12.4	19.8	11.3	6.0	9.5	13.0	17.3	21.3	25.6	28.5	28.8	26.7	23.8	22.2	21.4	21.2	19.2	
10	21.9	19.9	17.4	20.5	20.5	20.2	19.7	18.7	18.0	16.8	15.9	12.5	11.7	12.3	16.0	23.0	27.3	30.6	28.7	26.9	26.3	30.3	19.4	19.5	20.6	
11	19.7	19.9	20.3	19.9	19.0	17.8	17.3	16.6	14.8	13.2	13.2	12.7	13.0	14.1	16.4	23.1	28.0	30.5	31.3	28.0	24.1	26.9	26.0	24.3	20.4	
12	22.2	21.1	20.6	18.6	19.0	13.5	28.9	20.5	17.9	17.7	16.6	17.9	18.6	16.9	18.8	21.5	24.3	27.0	27.6	26.6	24.5	22.0	19.7	17.7	20.8	
13	20.5	19.6	19.9	19.1	17.8	18.4	19.6	17.4	16.8	15.9	15.9	14.4	13.2	13.3	16.1	20.8	25.7	29.5	31.2	29.7	26.6	25.2	25.3	23.2	20.6	
14 D	19.2	19.7	21.2	20.5	10.5	11.1	15.9	18.6	20.4	9.3	10.5	9.6	15.1	28.6	31.6	23.2	26.9	28.1	26.3	26.1	25.7	23.1	22.9	14.7	20.0	
15	21.5	20.9	20.9	20.6	20.3	20.3	19.6	18.6	20.2	15.6	18.3	18.3	17.5	17.0	17.7	19.7	22.4	24.2	25.0	24.4	23.2	22.6	22.6	21.4	20.5	
16	19.6	21.0	20.5	20.7	21.0	24.0	21.6	20.3	20.5	17.9	18.6	20.5	17.7	17.7	20.8	22.1	26.5	28.8	29.5	28.8	26.1	24.2	22.2	20.4	22.1	
17	19.3	17.9	13.5	17.5	25.5	16.9	16.1	16.1	16.1	18.6	18.6	18.5	18.5	17.7	19.6	22.2	23.8	26.6	27.1	25.4	23.3	22.4	21.9	21.4	20.2	
18	21.4	21.1	20.1	15.9	19.7	21.6	19.8	18.5	18.4	18.1	18.6	17.3	16.2	15.6	18.2	23.7	27.4	26.2	26.0	24.9	24.0	23.1	22.5	22.3	20.9	
19 Q	21.6	21.1	20.8	20.9	21.7	21.1	20.5	19.8	19.5	19.3	18.8	18.4	17.9	18.3	20.4	22.5	24.2	25.5	25.5	25.1	24.0	22.8	22.6	22.0	21.4	
20	22.0	22.7	21.6	19.4	18.7	17.5	17.4	14.1	14.7	14.6	17.6	16.5	17.4	18.7	20.7	22.3	24.2	26.0	26.5	25.0	26.1	24.1	21.6	20.7	20.4	
21 Q	20.6	20.6	20.6	20.2	19.7	19.5	19.2	18.4	18.4	18.5	18.1	17.9	17.0	16.7	18.4	21.5	25.2	26.9	26.9	25.1	23.2	21.4	20.9	20.7	20.6	
22	20.1	20.0	19.8	19.8	19.6	19.3	19.0	18.1	17.0	16.5	15.3	14.7	15.1	19.0	20.4	24.5	27.6	26.7	25.3	24.0	22.2	20.2	19.9	20.4	20.2	
23 Q	20.4	20.1	20.0	19.9	19.9	19.5	19.2	18.5	18.1	17.6	17.0	15.5	14.0	14.2	16.9	22.5	25.9	27.1	26.2	23.8	20.7	19.2	19.3	20.0	19.8	
24 D	20.0	19.6	19.5	19.6	19.6	19.0	19.2	16.9	17.3	17.1	18.2	30.1	11.5	11.6	16.2	31.1	34.5	31.0	34.5	28.0	26.2	23.4	19.2	14.7	21.6	
25 D	14.9	17.2	8.9	19.5	24.2	18.7	29.6	24.2	11.0	23.3	19.8	14.5	22.5	23.6	24.1	22.1	23.6	25.2	24.7	23.6	23.0	22.9	17.8	17.6	20.7	
26	14.7	12.9	17.5	19.4	22.6	22.0	19.6	18.3	20.1	25.6	24.2	23.2	19.5	17.2	19.6	23.8	26.9	25.5	24.9	24.9	19.5	22.0	18.7	14.3	20.7	
27	15.0	15.2	16.0	15.1	21.0	14.5	17.8	26.7	23.7	29.8	37.3	33.8	25.8	18.3	20.5	25.4	31.3	30.4	28.8	27.2	24.4	22.1	20.6	20.4	23.4	
28	20.5	20.5	19.6	20.1	20.6	20.3	20.3	19.6	19.4	19.3	18.7	17.0	15.4	15.4	17.1	22.1	26.9	29.0	28.7	26.3	24.1	22.1	20.3	18.3	20.9	
29	18.7	20.3	20.6	20.6	19.1	18.4	19.7	21.7	21.9	19.7	18.5	17.9	16.6	17.0	17.6	20.5	24.1	26.9	26.4	24.7	22.6	21.4	20.6	20.4	20.7	
30 D	20.6	20.3	19.7	19.1	14.0	15.9	18.0	16.6	16.7	17.5	18.3	16.9	16.1	17.7	19.2	20.6	22.3	24.9	25.2	24.4	24.8	15.3	20.8	4.9	18.7	
31																										
Mean	19.4	19.5	19.2	19.5	20.0	19.4	20.4	19.2	17.7	18.2	18.2	17.0	15.7	16.3	19.1	22.9	26.5	27.9	27.8	26.0	24.0	22.4	20.8	19.4	20.7	

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

Table 27 Agincourt

Z = 56,000 γ +

September 1961

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	187	180	162	163	131	64	85	104	139	118	120	148	155	158	158	161	168	169	176	193	194	207	228	201	157
2	192	187	177	167	165	165	164	153	158	135	142	157	163	164	168	170	172	174	180	183	184	183	185	188	170
3	185	179	177	174	147	128	129	158	171	172	168	166	166	165	166	170	175	182	183	186	183	183	178	176	169
4	176	173	172	173	172	170	170	162	164	164	165	170	170	171	171	172	172	170	165	171	176	179	179	176	171
5	178	166	170	176	170	162	154	149	165	171	171	171	172	173	166	165	170	172	178	183	187	193	188	180	172
6	181	179	178	164	162	169	177	177	177	177	178	179	179	176	174	174	178	180	185	185	184	185	180	178	177
7 Q	177	177	177	177	174	173	173	172	172	174	177	180	180	180	180	180	180	184	186	186	185	184	179	175	178
8 Q	174	174	173	173	173	173	173	173	172	173	174	179	176	174	172	173	174	174	176	180	180	181	179	179	175
9	173	173	173	174	174	173	167	169	173	156	141	160	163	163	163	169	176	182	189	191	189	192	185	179	173
10	181	181	179	179	175	176	176	175	175	176	175	179	176	173	168	168	168	170	174	179	184	186	180	179	176
11	176	175	175	174	173	162	168	174	174	174	174	174	169	162	160	163	173	186	203	216	226	225	209	181	181
12	187	180	180	179	174	119	53	99	176	180	175	168	157	161	159	162	166	174	180	187	191	191	187	188	166
13	186	182	180	180	180	180	179	179	180	180	180	179	173	170	176	177	182	187	191	193	198	203	197	183	183
14 D	203	190	185	179	142	131	167	162	136	149	166	167	161	162	158	163	171	170	175	185	186	186	211	227	172
15	191	179	177	176	177	176	176	173	162	149	149	158	157	165	171	173	177	178	183	184	184	183	183	180	173
16	178	178	178	177	175	165	165	169	170	170	172	172	172	172	171	165	161	169	176	177	181	182	178	179	173
17	177	180	182	182	149	146	163	169	174	176	176	174	171	170	169	169	171	177	181	181	182	182	181	180	173
18	177	176	176	172	176	170	168	173	171	172	175	176	175	174	174	178	181	177	175	172	177	178	178	177	175
19 Q	174	174	174	175	174	175	175	174	174	172	172	172	174	177	177	174	171	174	175	175	176	177	176	178	175
20	176	178	181	178	177	178	166	160	163	166	170	169	168	165	166	165	166	168	171	175	182	181	178	176	172
21 Q	172	169	169	170	171	170	170	169	170	170	170	173	174	172	169	159	162	170	175	176	172	172	171	171	170
22	170	168	168	169	169	168	169	168	169	169	166	169	167	165	162	160	170	174	177	180	176	174	176	169	170
23 Q	166	165	164	165	165	166	164	165	166	165	168	170	167	165	164	164	167	175	177	176	173	169	164	164	167
24 D	164	164	164	163	164	163	160	160	159	144	141	135	131	144	152	156	163	170	182	193	194	213	240	211	168
25 D	182	183	159	121	67	116	67	78	112	134	129	142	149	152	161	165	166	172	176	179	181	185	188	184	148
26	179	165	159	166	165	157	157	165	165	152	148	142	151	161	170	181	182	187	193	194	199	192	196	190	172
27	187	167	161	131	114	118	127	90	90	94	90	112	148	162	161	166	166	173	179	180	181	182	180	177	147
28	175	176	176	179	178	177	176	176	175	175	176	177	176	175	172	169	171	176	182	185	185	182	182	179	177
29	180	178	177	177	167	167	173	172	168	167	166	167	167	168	170	169	173	176	173	175	177	181	178	172	172
30 D	173	174	174	178	173	172	172	171	175	175	175	174	172	167	171	167	162	165	170	179	181	188	416	428	194
31																									
Mean	179	176	173	170	162	158	156	158	163	161	163	165	166	167	167	168	171	175	179	183	188	187	195	192	172

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

Table 28 Agincourt

H = 15,000 γ +

October 1961

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	1146	1040	777	785	739	456	352	225	464	568	765	785	816	825	831	827	828	836	841	857	867	866	860	856	759
2	856	854	851	851	850	850	851	851	854	850	848	851	846	848	837	835	837	841	861	874	874	870	866	866	853
3	866	866	864	865	866	866	866	866	865	866	866	863	854	844	834	837	846	856	866	876	871	865	866	866	861
4	865	867	868	867	866	866	866	866	866	866	865	854	844	833	832	831	826	832	859	867	873	865	866	856	857
5	863	871	873	872	871	872	873	876	873	873	873	872	862	853	842	836	833	842	857	866	880	879	882	878	865
6	882	881	881	881	879	879	881	877	879	883	885	877	871	866	862	861	863	867	878	880	882	877	877	878	876
7	874	863	867	859	869	872	873	880	880	885	886	877	866	859	857	851	851	859	873	880	884	886	889	892	872
8	894	892	890	888	887	886	882	870	868	877	885	887	877	868	858	847	844	853	870	882	893	894	895	895	878
9	898	894	888	883	882	878	884	886	888	891	891	890	882	870	859	853	859	852	884	892	895	892	888	890	882
10 Q	892	891	888	887	888	888	890	892	893	894	894	893	883	874	862	848	848	861	872	888	889	890	894	894	883
11	895	891	890	894	896	896	899	905	895	899	906	904	901	884	864	857	860	873	876	889	883	879	883	884	888
12	871	844	874	849	855	852	863	873	871	884	894	898	889	867	851	854	857	869	870	873	884	874	874	874	869
13	865	859	863	864	849	845	867	876	884	892	885	886	880	873	866	860	855	864	881	893	895	890	884	869	873
14	859	875	876	884	885	883	880	880	887	885	887	885	882	873	861	851	850	860	872	879	885	887	886	887	877
15 Q	885	887	888	887	885	887	886	886	889	890	893	890	884	877	872	866	871	884	890	894	888	889	890	895	886
16 Q	896	894	894	890	890	888	890	889	889	890	890	890	887	882	875	869	870	877	885	889	891	892	894	893	887
17 Q	893	892	893	893	890	890	892	894	894	895	894	892	889	881	875	872	871	879	884	890	896	900	907	916	891
18 Q	912	910	908	905	903	901	896	901	901	903	904	903	898	891	880	873	844	872	883	886	891	895	897	899	894
19	901	901	895	881	880	883	888	893	895	898	898	894	891	883	875	875	878	885	891	896	891	898	902	903	891
20	885	865	857	861	864	865	824	873	886	881	883	881	876	870	865	865	865	864	876	881	886	886	889	890	872
21	888	878	880	885	883	885	886	886	891	891	897	896	885	880	879	878	875	872	873	881	890	880	868	879	883
22	882	880	881	881	880	883	884	886	887	888	886	885	877	863	859	867	877	886	890	893	890	887	889	891	882
23	895	891	890	893	891	890	887	886	887	885	884	887	880	872	864	867	877	886	897	905	897	886	882	890	886
24	888	890	890	889	890	886	890	886	885	886	886	891	886	880	872	870	872	876	883	891	895	891	891	895	886
25	898	899	898	896	894	894	896	895	895	896	897	897	897	889	876	874	884	882	884	884	882	887	879	881	890
26 D	889	886	884	867	868	869	869	880	856	892	907	903	907	897	884	868	878	875	876	885	872	902	884	876	882
27 D	858	866	853	864	810	823	838	845	860	859	875	884	879	866	861	843	827	831	853	870	874	859	858	856	855
28 D	858	860	859	861	865	871	876	879	896	899	862	671	640	678	681	732	656	710	979	1331	1516	892	796	771	860
29 D	788	752	717	751	783	808	834	871	856	863	874	865	855	847	835	826	824	830	837	847	854	855	860	864	829
30	868	866	865	864	864	865	864	869	870	874	874	870	868	859	847	835	828	829	847	854	863	869	873	872	861
31	872	870	869	869	866	864	872	879	879	880	880	880	876	866	857	851	850	857	864	871	874	877	878	877	870
Mean	886	880	870	870	867	859	858	859	867	874	881	874	869	862	854	851	849	857	876	895	903	883	879	878	871

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 29 Agincourt

D = 7°W + ...'

October 1961

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	10.2	8.3	15.7	23.0	28.9	23.2	46.0	12.1	19.4	37.0	12.6	19.4	23.3	24.3	18.7	22.4	25.3	28.3	26.9	25.4	24.4	23.3	23.3	23.1	22.7
2	22.9	22.4	22.4	22.4	22.1	21.8	21.8	21.1	21.5	20.7	20.3	19.8	18.5	18.7	20.6	22.6	24.0	26.0	25.2	24.0	23.5	22.8	22.6	22.6	22.1
3	22.1	21.6	21.6	21.4	21.5	21.5	21.2	20.6	20.6	19.6	18.4	17.7	17.7	17.3	18.7	22.3	25.9	27.5	27.1	24.2	23.0	22.8	22.0	22.1	21.6
4	21.1	20.9	20.3	20.5	20.7	20.0	19.6	19.4	19.1	18.6	18.9	19.5	18.3	17.5	20.1	23.3	25.2	28.6	26.2	27.2	23.7	23.5	22.3	19.5	21.4
5	19.1	20.3	20.1	20.3	20.1	20.0	20.2	18.6	18.3	19.6	16.9	16.5	15.4	15.0	15.5	18.4	22.1	24.6	25.8	25.1	23.7	22.4	21.7	20.9	20.0
6	20.9	20.6	20.3	20.4	20.3	20.0	19.2	19.4	19.8	18.3	16.0	16.4	18.2	18.8	20.0	23.3	26.6	27.7	28.2	25.8	23.1	22.4	22.2	21.7	21.2
7	21.4	15.5	15.7	18.4	18.5	17.9	18.1	18.1	17.2	16.9	17.1	16.5	15.9	15.2	15.8	18.4	21.8	23.8	24.1	23.7	22.7	21.8	21.5	21.2	19.1
8	20.6	19.9	19.6	19.6	19.6	20.0	19.9	14.9	12.5	13.6	12.2	14.0	14.1	13.8	13.8	17.6	22.4	27.0	28.2	26.3	23.8	21.5	21.2	20.7	19.0
9	20.6	20.2	18.7	20.0	19.1	21.1	19.3	19.4	18.9	18.7	18.7	17.1	15.7	15.4	16.3	20.0	25.1	28.8	28.7	26.0	23.2	21.2	20.9	20.6	20.6
10 Q	20.1	19.6	19.8	19.6	20.1	20.3	20.0	19.7	19.3	18.9	18.5	17.5	15.7	14.7	14.6	17.3	20.8	24.7	26.4	26.1	24.4	22.1	21.3	20.4	20.1
11	20.1	20.1	19.5	19.6	18.8	19.1	19.4	18.2	18.7	22.4	14.3	16.0	17.8	17.5	16.4	18.3	22.5	25.8	27.3	27.6	26.4	25.2	22.1	21.5	20.6
12	20.4	4.4	19.2	15.7	17.0	24.6	16.7	22.8	28.6	22.6	17.9	17.3	16.6	15.7	20.7	25.3	24.2	24.7	25.5	25.4	24.2	24.1	23.0	21.2	20.7
13	20.4	18.3	18.8	18.3	13.1	15.0	17.2	19.6	26.2	18.4	18.4	17.3	16.1	16.0	16.3	18.0	21.9	27.2	26.8	24.5	22.9	21.5	21.3	20.8	19.8
14	15.9	20.4	20.2	20.4	20.7	20.8	21.8	24.6	20.1	17.5	18.4	19.3	17.8	18.3	17.1	19.3	22.9	25.2	25.3	24.1	22.5	21.4	21.1	20.7	20.7
15 Q	20.6	20.5	20.0	19.9	20.4	20.7	19.6	19.4	18.9	17.7	18.5	18.5	17.2	16.1	16.1	16.8	19.1	20.9	22.0	21.4	21.1	21.0	20.9	20.6	19.5
16 Q	19.9	19.8	19.7	19.7	19.7	19.5	19.4	18.9	19.1	19.3	19.0	18.9	17.7	16.5	16.8	18.4	20.5	23.1	24.4	24.0	23.1	22.4	17.9	20.8	19.9
17 Q	20.2	19.9	19.5	19.7	19.8	19.6	19.1	19.2	19.0	18.7	18.7	18.2	17.2	15.9	15.5	17.4	20.8	23.8	24.9	24.1	22.4	21.8	21.4	20.6	19.9
18 Q	20.0	19.7	19.4	19.5	19.8	18.5	18.0	18.7	18.2	18.0	18.2	18.0	16.7	15.0	15.2	16.7	19.8	22.2	23.2	23.1	22.6	21.9	21.2	20.8	19.4
19	20.6	20.6	19.2	19.2	18.9	18.7	18.9	19.5	19.4	18.9	18.7	18.1	16.3	16.2	17.4	19.2	21.5	23.2	23.6	23.3	22.3	22.3	22.9	23.8	20.1
20	17.1	23.4	17.4	17.5	10.7	22.1	29.2	17.2	21.1	19.7	17.5	18.7	18.0	18.1	19.2	20.4	22.3	24.1	23.6	22.9	21.7	20.8	20.9	20.9	20.2
21	20.8	19.5	20.9	21.1	20.9	20.6	21.0	20.5	20.1	19.8	19.0	17.9	17.2	18.8	19.9	21.6	24.6	27.4	28.9	26.4	23.2	23.5	25.0	22.6	21.7
22	20.7	19.9	19.9	20.5	20.2	19.7	20.2	20.7	19.7	19.1	21.4	19.8	17.7	18.2	20.3	24.5	26.0	25.6	25.5	24.5	22.3	21.3	21.0	20.4	21.2
23	20.0	20.0	21.1	20.5	20.9	20.0	19.5	20.4	19.0	18.1	18.1	17.8	17.6	17.5	18.5	22.4	25.4	24.7	24.3	23.0	21.9	23.4	22.7	21.0	20.7
24	20.4	20.1	20.3	19.8	21.1	19.8	21.0	19.0	19.2	18.6	17.9	17.0	17.0	17.0	17.6	19.1	22.3	24.1	24.3	23.7	22.8	21.7	21.6	20.9	20.3
25	20.1	19.9	20.4	20.7	21.0	20.8	20.2	19.9	20.2	18.4	18.3	17.6	15.7	16.4	19.8	24.3	27.4	27.1	28.5	26.9	23.3	21.2	20.6	20.5	21.2
26 D	19.8	20.0	18.1	17.9	17.2	12.3	14.1	20.0	23.3	21.6	19.2	19.4	18.2	18.3	21.3	23.2	26.4	24.5	25.4	25.2	25.4	33.7	34.0	28.5	22.0
27 D	16.3	18.2	19.0	-1.5	16.4	16.6	15.0	15.7	21.0	24.3	28.2	18.6	16.2	15.8	14.9	17.1	22.2	26.6	28.9	28.2	26.3	26.3	25.5	23.6	20.0
28 D	19.1	19.4	18.2	19.5	19.3	21.3	21.7	20.9	24.5	21.1	14.4	50.5	92.0	35.9	28.4	33.3	40.1	35.9	1.9	-25.8	-9.2	27.5	10.5	11.7	23.0
29 D	10.5	15.6	12.9	34.6	39.2	42.2	36.3	16.2	20.0	21.6	19.3	19.1	18.1	16.2	16.3	18.7	22.3	25.4	26.3	25.8	24.8	23.7	22.6	21.7	22.9
30	21.7	21.7	21.8	21.8	22.0	22.0	22.2	22.5	23.7	22.0	20.9	20.2	18.0	16.4	15.8	19.0	22.3	25.5	25.8	24.4	23.5	22.8	22.5	21.3	21.7
31	20.6	20.3	21.1	21.4	21.8	22.0	26.2	23.7	20.6	20.0	20.2	19.8	18.7	18.5	18.1	19.7	22.5	24.8	25.2	24.3	23.2	23.1	23.0	21.4	21.7
Mean	19.5	19.1	19.4	19.7	20.3	20.7	21.4	19.4	20.2	20.0	18.3	19.1	19.7	17.6	17.9	20.6	23.7	25.8	25.1	23.3	22.3	23.0	22.0	21.2	20.8

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

Table 30 Agincourt

Z = 56,000 γ +

October 1961

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	411	277	322	128	150	121	41	20	-56	-96	123	153	161	179	190	195	198	202	202	208	208	200	200	196	164
2	198	198	199	195	195	194	192	190	190	190	192	192	189	186	185	185	189	191	197	197	195	200	198	190	193
3	186	187	187	188	188	188	188	188	187	185	185	186	183	181	180	179	180	188	196	196	193	192	193	192	187
4	189	187	186	194	194	193	192	185	183	182	182	184	180	180	180	180	180	184	190	198	202	195	195	195	188
5	193	188	185	184	182	182	180	179	179	178	182	179	179	179	174	170	175	177	181	186	186	187	186	184	181
6	183	182	181	179	179	179	178	176	173	173	172	170	180	178	168	174	177	181	187	190	193	194	190	186	180
7	187	186	173	173	176	182	184	182	181	182	181	181	178	178	178	176	169	169	175	179	182	183	182	182	179
8	180	179	178	179	178	174	159	151	167	174	174	177	179	179	178	177	175	176	179	182	185	183	182	181	176
9	180	180	180	180	178	179	178	181	182	181	181	181	181	181	179	176	179	181	182	185	185	183	182	182	181
10 Q	180	180	179	179	178	179	179	179	179	180	179	181	182	179	179	178	181	183	182	185	184	185	182	181	181
11	179	184	184	184	183	183	182	174	168	150	141	150	156	163	168	170	171	171	177	181	188	185	184	186	173
12	192	194	150	180	184	166	166	161	142	142	163	172	178	181	182	181	178	175	178	184	190	192	198	198	176
13	202	204	200	189	171	176	177	173	155	155	176	181	181	179	179	178	177	181	183	179	179	181	185	181	180
14	193	192	190	187	185	185	181	163	168	177	179	178	178	180	180	180	180	180	183	184	185	183	183	181	181
15 Q	180	179	179	179	179	179	178	178	177	174	175	174	175	174	177	172	168	170	168	173	174	174	177	176	175
16 Q	175	174	174	174	175	175	175	174	175	175	175	173	175	174	171	168	166	168	173	174	173	170	174	175	173
17 Q	174	174	173	174	174	174	174	173	172	172	172	172	169	170	168	165	148	151	163	168	173	174	173	171	170
18 Q	168	168	168	170	170	168	171	172	172	172	172	174	174	173	172	167	163	164	167	170	173	175	175	174	171
19	173	173	174	181	179	181	180	179	175	173	172	174	174	173	174	171	168	171	172	168	172	174	177	178	174
20	183	236	222	216	198	183	116	153	186	186	183	185	184	180	178	174	171	173	177	177	178	179	179	179	182
21	178	177	178	178	178	178	177	177	177	177	174	173	173	174	173	171	174	179	184	181	183	181	195	192	178
22	186	185	183	181	179	177	177	178	178	177	175	175	175	174	169	181	166	168	171	173	177	178	178	178	177
23	176	175	174	173	174	173	174	172	173	175	173	175	175	173	172	166	163	164	170	174	175	178	175	175	173
24	173	172	172	172	168	156	154	163	167	165	165	167	168	167	166	161	161	167	171	174	173	173	174	174	168
25	173	174	172	172	171	171	171	170	168	167	168	169	168	168	167	162	166	168	173	179	181	180	185	185	172
26 D	181	173	175	170	163	150	155	156	120	98	107	111	115	127	141	150	158	164	173	180	198	255	285	284	166
27 D	247	210	197	156	129	143	150	145	163	156	146	176	175	174	176	174	169	173	182	204	204	243	235	222	181
28 D	206	203	196	186	182	182	183	181	165	107	70	-36	-61	52	154	183	209	318	315	-173	-143	257	276	235	144
29 D	225	173	114	73	68	124	104	180	192	197	192	191	196	196	195	193	189	192	193	195	197	197	195	193	174
30	193	192	192	192	192	190	191	190	185	187	188	192	194	193	190	195	197	200	199	199	196	193	193	192	193
31	191	191	190	190	188	181	164	169	183	186	186	187	188	186	188	187	186	190	194	194	193	191	188	187	187
Mean	195	189	185	176	174	173	167	168	165	161	168	168	168	172	175	175	175	181	185	173	175	191	193	190	177

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

Table 31. Agincourt

H = 15,000 γ +

November 1961

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	875	874	873	872	873	871	872	873	873	878	878	877	879	873	869	868	870	868	867	868	874	880	882	879	874
2	881	882	880	879	879	880	880	878	876	882	887	881	867	878	877	873	871	867	867	872	878	881	883	879	877
3	877	872	870	869	875	875	878	878	885	883	885	882	877	872	868	868	872	875	879	883	883	888	888	888	878
4	888	888	888	884	883	885	885	886	890	892	891	892	890	882	877	875	877	882	888	893	894	884	884	876	886
5 D	873	873	879	886	878	878	878	883	883	883	884	891	887	854	853	864	863	869	874	873	873	877	861	854	874
6	866	866	865	880	867	856	869	867	882	876	881	880	877	866	862	863	865	869	877	882	886	889	893	894	874
7 D	894	880	869	883	880	874	857	858	856	867	858	863	852	822	806	812	817	806	832	838	910	871	847	848	854
8 D	841	881	799	832	836	842	847	861	867	867	869	869	865	850	846	842	845	851	862	868	857	863	866	870	854
9	872	858	861	866	863	866	867	864	865	877	879	879	878	864	857	850	847	850	851	858	872	881	878	876	866
10	874	875	873	883	883	883	882	880	879	880	880	883	876	866	853	844	846	852	862	873	880	884	884	883	873
11	883	882	880	880	883	883	883	883	886	884	885	886	877	863	849	844	849	863	879	888	888	890	888	888	878
12	880	867	864	877	878	868	859	863	864	873	879	889	883	882	874	854	849	868	880	887	886	882	884	877	874
13	874	872	871	872	875	877	880	882	883	885	887	886	884	877	870	864	864	869	878	887	888	894	899	895	880
14	894	894	891	882	867	882	881	857	878	890	894	895	894	886	879	872	867	870	868	868	876	884	887	887	881
15 Q	889	889	889	888	888	889	888	889	889	889	890	890	888	880	874	868	868	873	880	885	893	895	893	893	886
16	895	895	892	890	889	887	888	889	888	889	893	893	889	879	870	859	860	870	882	889	895	897	889	878	885
17 D	890	888	889	890	889	893	895	897	900	899	900	896	894	880	860	856	874	876	875	885	886	879	870	867	884
18 D	869	875	854	845	855	874	882	865	840	845	864	870	846	870	874	855	861	850	859	850	855	865	853	843	859
19	846	848	863	859	849	856	861	876	882	882	885	881	881	877	871	865	860	863	872	877	880	886	887	889	871
20	888	888	886	887	880	873	873	872	876	886	890	891	881	872	879	865	851	851	859	867	872	879	873	871	875
21	871	857	851	853	859	870	879	881	885	890	891	892	890	884	880	879	879	880	884	886	890	891	887	885	879
22 Q	886	886	895	891	891	891	893	893	893	895	895	896	891	888	881	874	871	872	877	884	886	885	891	893	888
23 Q	892	891	891	890	891	891	892	895	896	895	896	891	888	886	881	877	878	881	886	889	896	899	900	897	890
24 Q	893	892	891	891	890	891	891	892	896	892	895	892	890	882	875	865	861	866	872	886	891	897	898	903	887
25	902	901	899	900	899	898	897	898	898	902	901	900	899	891	880	866	863	868	881	885	897	898	898	898	892
26	898	896	894	893	896	899	898	901	892	887	897	901	898	891	880	873	870	871	879	891	900	901	892	886	892
27	886	887	886	879	882	886	888	891	892	897	898	898	896	886	876	868	862	860	867	884	895	899	900	899	886
28	897	892	890	892	893	898	896	898	899	902	899	896	893	887	879	868	863	863	874	886	892	897	898	898	890
29	895	892	885	884	887	886	887	886	886	891	892	896	895	892	880	869	866	871	879	887	896	899	898	897	887
30 Q	894	893	894	892	892	896	892	897	899	901	900	901	899	896	889	876	868	872	881	892	902	906	907	904	894
31																									
Mean	882	881	877	879	878	880	881	881	883	885	887	888	883	876	869	863	862	865	872	879	886	887	885	883	879

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 32 Agincourt

D = 7°W + ...'

November 1961

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	21.3	21.3	21.3	20.8	23.5	20.0	20.7	21.3	21.8	20.5	19.2	21.4	20.8	18.7	18.1	18.8	20.8	22.6	23.6	24.3	23.5	22.3	21.7	21.4	21.2		
2	20.8	20.8	20.8	20.6	20.6	20.8	20.8	23.5	23.7	20.1	16.1	18.2	20.5	21.9	21.3	21.9	23.4	24.4	24.2	23.5	23.3	22.3	21.5	21.4	21.5		
3	21.6	21.6	20.1	19.6	23.7	19.7	19.6	18.5	20.0	20.0	19.2	19.5	17.9	18.3	18.5	19.6	20.6	22.0	23.0	23.0	22.6	22.0	21.7	20.7	20.5		
4	20.1	20.6	20.2	19.9	19.6	19.7	20.0	19.9	19.8	19.6	19.4	19.3	18.4	17.3	17.6	18.7	20.7	22.7	23.2	22.4	21.6	21.6	21.6	21.3	20.2		
5 D	19.5	20.5	19.9	20.4	20.5	15.1	20.0	20.4	23.1	20.7	17.5	16.5	15.3	24.0	37.1	28.2	27.2	27.0	25.1	25.7	24.4	22.7	22.5	19.3	22.2		
6	19.5	19.5	18.5	18.5	18.0	17.8	19.7	18.4	27.8	18.2	17.5	16.7	17.6	17.0	17.0	19.0	20.9	22.1	22.5	22.2	21.4	21.0	20.7	20.3	19.7		
7 D	20.5	20.9	18.4	17.8	20.2	17.3	16.1	12.7	12.7	16.4	23.6	38.2	34.9	32.1	32.3	29.3	27.3	26.1	30.8	30.7	23.4	23.6	27.3	23.1	24.0		
8 D	18.5	11.6	6.8	15.2	15.8	20.0	19.3	24.2	20.1	20.7	20.6	19.7	18.5	16.5	19.0	21.8	24.3	24.7	23.2	23.1	22.7	23.4	21.0	19.6			
9	20.2	18.5	17.5	19.7	19.7	18.8	20.7	20.5	27.3	20.7	19.4	20.7	20.4	17.8	18.3	20.7	23.9	24.9	26.3	25.4	23.8	22.7	22.6	22.2	21.4		
10	20.9	20.5	18.8	16.9	20.7	22.0	21.4	20.6	20.2	19.1	19.4	18.5	17.0	16.8	18.5	20.5	23.2	25.4	26.0	24.8	23.0	21.8	21.3	20.8	20.8		
11	20.4	20.3	20.5	20.5	20.7	21.1	21.4	21.4	20.9	20.2	20.0	19.3	18.2	16.8	16.8	20.2	22.7	24.3	24.7	23.3	21.7	20.8	20.7	20.5	20.7		
12	18.6	16.8	16.7	17.9	19.3	18.1	18.2	24.9	25.3	19.6	16.8	18.8	23.5	23.3	23.2	23.7	26.9	30.0	26.0	24.8	24.4	23.5	21.4	18.6	21.7		
13	20.8	18.0	18.2	18.9	19.1	19.9	20.8	20.8	20.3	20.5	20.2	19.4	18.5	17.4	17.4	19.2	22.0	24.1	24.7	24.0	23.2	21.7	20.8	20.1	20.4		
14	19.8	18.6	19.4	19.9	19.4	15.9	18.6	26.0	21.9	17.2	17.7	17.9	16.9	16.5	16.5	18.0	20.3	23.3	25.7	26.9	24.7	22.6	20.7	19.9	20.2		
15 Q	19.6	19.4	19.6	19.9	20.5	20.9	20.6	20.6	20.8	20.5	19.8	19.1	18.4	16.9	16.7	18.3	20.5	22.9	23.7	22.9	22.0	21.5	20.8	20.2	20.3		
16	19.7	19.6	19.6	19.7	19.9	20.3	20.2	20.4	20.5	19.7	19.4	18.8	18.0	17.1	17.2	19.7	23.0	24.9	25.4	24.5	23.2	22.8	24.2	22.2	20.8		
17 D	19.9	19.7	18.7	18.9	19.9	21.0	20.8	20.6	20.4	19.5	18.5	18.8	18.1	15.2	18.1	30.1	26.3	27.5	26.5	26.4	26.3	23.6	22.8	19.3	21.5		
18 D	9.9	16.8	16.3	16.4	18.8	21.8	24.4	21.8	27.4	33.8	14.3	20.5	34.3	37.5	28.8	31.3	30.1	28.3	25.6	27.8	28.0	22.7	20.7	18.6	24.0		
19	17.9	17.9	17.1	16.2	14.8	19.1	23.2	26.9	19.6	19.6	19.8	22.1	21.8	19.9	17.7	20.1	21.9	23.2	23.5	22.8	22.0	21.3	20.9	20.7	20.4		
20	20.9	20.9	21.1	19.9	18.7	18.4	19.9	26.8	21.6	16.7	16.6	18.1	21.7	25.3	21.7	20.7	22.3	24.1	24.3	25.7	25.8	24.0	21.9	19.6	21.5		
21	19.2	18.0	15.8	16.4	17.3	20.7	22.2	22.2	21.0	20.0	19.5	19.9	19.4	19.4	18.5	18.3	19.5	20.7	21.5	21.8	21.5	21.5	21.3	20.4	19.8		
22 Q	18.9	19.5	19.9	19.8	20.1	20.4	20.5	20.2	20.1	19.9	19.9	19.6	19.2	17.9	18.3	18.5	20.4	22.3	23.1	22.3	21.9	21.5	20.8	20.2	20.2		
23 Q	19.9	19.9	20.1	20.2	20.4	20.6	20.8	20.6	20.5	20.4	19.8	19.7	19.3	18.7	17.8	19.0	21.4	24.2	24.7	23.6	22.4	21.3	20.4	20.1	20.7		
24 Q	20.4	20.0	20.3	20.5	20.7	21.0	20.4	19.9	19.6	19.4	19.4	19.7	19.5	18.5	18.6	20.4	23.1	25.1	26.6	25.0	24.1	22.4	21.5	20.3	21.1		
25	19.4	18.9	19.4	19.6	19.9	20.3	20.5	20.1	21.7	25.0	18.1	17.0	17.3	15.8	16.7	18.5	21.6	23.6	25.0	25.0	24.0	22.0	20.4	19.6	20.4		
26	19.2	18.6	19.3	19.6	19.4	20.4	21.3	22.5	20.0	19.7	17.6	19.7	17.6	16.1	15.9	18.2	20.7	23.8	25.3	24.7	23.0	21.6	21.3	20.5	20.2		
27	20.3	19.7	19.0	20.9	20.1	20.6	21.3	21.6	21.7	19.9	19.5	19.0	18.4	17.4	17.0	18.6	20.2	23.4	25.5	25.0	23.4	21.9	20.6	19.8	20.6		
28	19.7	19.6	20.0	19.5	20.4	20.4	20.5	20.4	19.9	19.6	19.6	19.4	19.2	18.4	18.5	19.2	23.1	25.0	28.0	26.6	24.1	22.2	21.0	20.1	21.0		
29	19.6	19.3	18.6	19.7	19.6	21.6	20.7	20.8	20.1	19.7	18.9	19.3	18.6	17.9	17.9	18.2	20.2	23.4	25.3	25.1	23.3	21.5	20.5	20.7	20.4		
30 Q	19.6	19.6	19.7	20.0	20.3	20.5	21.3	22.1	20.9	19.6	19.4	18.9	18.7	17.0	16.1	17.4	19.7	23.6	25.9	25.0	23.1	21.5	20.3	19.7	20.4		
31																											
Mean	19.5	19.2	18.7	19.1	19.7	19.8	20.5	21.4	21.3	20.2	18.9	19.8	20.0	19.5	19.5	20.8	22.5	24.3	25.0	24.6	23.4	22.2	21.6	20.4	20.9		

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

Table 33 Agincourt

Z = 56,000 γ +

November 1961

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	185	185	186	186	180	182	181	181	175	176	177	180	181	183	182	181	181	183	186	186	187	186	183	183	182	
2	181	181	181	182	181	181	180	175	162	158	157	163	170	175	175	177	174	177	180	180	182	182	182	181	176	
3	182	183	185	185	177	174	175	177	181	179	179	180	177	178	178	177	179	179	181	182	182	182	182	181	180	
4	182	182	182	182	182	181	182	182	181	180	180	180	180	180	177	177	177	181	181	180	177	180	182	184	181	
5 D	189	187	186	182	186	167	166	170	159	150	156	170	175	178	184	181	183	187	188	189	188	188	194	200	179	
6	195	192	186	164	156	159	175	171	134	131	155	158	166	173	176	178	177	180	180	181	179	178	177	176	171	
7 D	176	180	192	179	170	165	153	115	121	135	129	127	127	150	169	183	213	236	231	235	351	248	233	211	185	
8 D	208	208	177	196	170	138	119	134	177	183	186	188	188	193	192	184	186	188	192	195	198	200	194	190	183	
9	188	186	182	185	182	178	178	177	171	170	171	170	172	175	174	176	178	182	186	188	188	187	188	189	180	
10	187	186	183	175	167	165	177	180	178	180	180	180	182	181	177	176	176	179	183	184	183	182	181	180	179	
11	180	180	180	179	178	180	178	179	178	178	180	178	180	181	177	175	176	179	181	180	178	178	178	180	179	
12	180	184	189	187	182	176	173	153	150	161	166	167	171	166	166	168	173	176	180	184	184	183	185	189	175	
13	191	191	189	188	184	183	183	183	182	182	181	181	183	183	180	180	178	178	181	184	184	182	182	178	183	
14	178	180	179	178	170	169	173	153	131	170	177	177	179	177	176	173	170	171	177	183	182	184	184	182	174	
15 Q	179	177	177	178	177	177	176	178	177	176	177	177	180	179	177	174	172	176	181	182	181	180	179	177	178	
16	177	176	175	175	175	175	174	175	176	175	175	175	176	176	174	169	170	174	177	177	177	175	177	182	175	
17 D	179	176	176	176	175	174	174	173	174	172	171	170	171	170	169	170	168	168	171	175	181	181	190	224	176	
18 D	214	212	211	192	172	147	155	128	113	29	80	114	120	127	146	154	157	169	191	199	216	205	204	206	161	
19	200	193	160	172	160	151	150	146	168	175	174	174	173	172	169	166	170	175	177	178	179	177	176	176	171	
20	175	174	175	172	169	167	169	156	149	168	169	168	171	169	174	178	180	186	191	193	192	191	191	189	176	
21	188	188	192	190	184	178	178	178	179	180	179	178	179	176	177	174	172	174	175	176	178	180	179	179	180	
22 Q	179	176	176	176	176	176	175	174	174	175	173	171	174	176	176	169	169	169	171	174	174	175	175	174	174	
23 Q	174	173	170	173	169	170	171	171	171	171	171	170	172	173	168	163	164	165	169	174	174	174	173	172	171	
24 Q	171	173	173	174	174	175	175	175	173	174	174	174	174	177	173	173	172	174	175	178	179	179	176	175	175	
25	174	173	172	171	170	170	170	168	168	159	163	167	168	169	165	160	164	169	172	173	174	173	171	172	169	
26	172	169	169	169	167	165	162	161	163	168	168	168	168	167	163	160	160	161	166	169	171	171	171	173	167	
27	173	173	174	173	173	170	169	169	168	169	169	169	172	170	168	168	167	169	173	176	175	176	174	172	171	
28	172	169	170	169	169	168	169	169	169	168	168	168	169	170	168	165	164	168	173	174	173	173	171	169	169	
29	168	168	168	170	167	166	165	168	167	168	168	167	167	164	161	157	160	160	167	172	173	169	168	168	166	
30 Q	168	167	167	167	167	165	166	163	165	166	167	166	167	166	163	160	159	160	163	168	172	169	168	167	166	
31																										
Mean	182	181	179	178	174	170	170	166	165	164	167	169	171	172	172	172	173	176	180	182	187	183	182	183	175	

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

Table 34 Agincourt

H = 15,000γ +

December 1961

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	904	903	903	904	904	898	892	881	863	892	877	883	838	719	797	786	821	839	843	847	853	854	847	842	858	
2 D	834	824	834	849	851	851	862	866	867	869	861	853	881	823	818	818	825	826	821	850	868	871	871	877	849	
3 D	809	807	794	786	754	787	782	804	750	802	871	863	852	867	863	847	845	852	855	854	867	867	881	875	831	
4	877	887	882	876	876	872	881	877	871	874	887	886	885	882	881	867	856	868	880	886	886	891	889	889	880	
5	892	894	891	893	896	892	890	893	893	894	897	896	893	888	890	887	854	841	815	882	877	883	879	882	883	
6	878	878	873	877	871	878	883	883	883	883	882	893	890	882	869	852	884	838	858	861	871	878	879	880	875	
7	878	877	881	883	887	887	888	888	887	882	887	882	883	891	881	870	866	866	873	883	889	893	893	891	883	
8 Q	892	889	888	889	889	890	890	888	890	892	893	899	895	889	879	867	864	868	877	886	897	899	897	893	888	
9	892	888	888	890	892	893	893	893	888	887	889	888	888	890	883	873	868	873	882	885	888	892	893	890	887	
10	892	890	890	891	886	888	891	893	893	894	891	893	901	893	884	876	874	876	883	894	894	896	890	884	889	
11	883	872	870	878	879	880	884	881	869	881	892	896	904	905	898	888	883	881	879	889	897	898	884	879	885	
12	874	874	861	859	874	881	882	881	884	885	889	893	894	894	892	883	878	879	887	898	904	905	903	903	886	
13	900	898	895	895	893	894	894	897	898	899	900	900	899	890	880	869	870	880	889	901	905	899	887	878	892	
14	879	884	885	886	888	886	885	885	885	886	890	894	894	888	881	874	872	874	880	889	897	899	895	885	886	
15	885	885	884	881	886	882	889	890	889	894	891	894	892	895	892	889	882	881	880	885	890	889	885	892	888	
16	890	886	885	886	889	889	894	891	891	894	894	895	895	892	889	883	880	877	880	884	889	893	888	884	888	
17	881	881	891	886	883	888	890	891	895	895	896	895	897	896	894	886	877	874	879	887	896	900	900	901	890	
18 Q	900	898	895	896	900	902	903	903	905	905	903	903	904	902	896	886	881	883	891	900	906	907	908	907	899	
19 Q	908	907	906	903	904	907	906	908	908	910	910	909	908	908	902	895	891	888	892	901	906	909	910	908	904	
20 Q	907	904	902	899	902	904	903	907	904	905	907	911	910	906	905	897	891	890	893	899	905	909	908	909	903	
21	908	904	899	892	897	904	909	911	911	909	911	911	911	912	913	909	902	896	900	905	909	909	908	910	906	
22	907	904	904	904	905	906	907	909	911	913	914	913	910	903	905	900	890	888	885	892	900	904	901	900	903	
23	896	894	886	882	887	889	893	888	902	904	904	905	906	904	890	887	879	881	884	893	900	905	892	900	894	
24	913	907	893	887	890	898	904	904	908	908	904	906	905	900	897	876	872	874	874	881	890	893	898	901	895	
25 Q	900	898	898	898	897	897	898	898	898	899	896	898	899	900	893	884	880	873	880	890	898	904	905	905	895	
26	907	907	904	903	901	901	898	903	906	909	910	913	910	909	905	897	889	886	886	890	898	903	905	904	902	
27	895	893	883	889	898	895	889	894	893	889	898	898	904	910	907	898	888	883	887	903	919	923	918	909	898	
28 D	904	902	890	895	897	898	904	909	905	892	886	914	918	900	885	853	853	877	887	885	892	891	889	868	891	
29	869	879	891	880	891	893	893	893	895	895	895	898	905	895	885	874	862	868	887	893	896	898	872	883	887	
30 D	893	893	890	869	868	891	882	888	886	880	894	888	884	883	879	846	834	853	871	884	885	886	888	883	879	
31	883	882	882	881	885	884	882	886	887	887	890	890	887	885	884	873	863	867	867	879	900	896	896	885	884	
Mean	888	887	884	884	885	887	888	890	888	891	894	895	895	887	884	874	870	871	876	886	893	895	892	890	886	

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 35 Agincourt $D = 7^{\circ}W + \dots'$ December 1961

Hour U. T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1 D	22.3	18.8	18.9	18.7	19.5	20.2	22.1	21.4	18.4	18.1	23.1	30.9	23.0	31.0	66.8	28.9	30.5	26.6	27.4	25.6	24.4	22.4	21.4	19.5	25.0
2 D	20.1	8.7	16.8	19.6	19.9	16.1	18.8	19.4	23.9	20.3	26.9	32.1	28.1	46.3	76.4	33.4	30.1	25.4	27.7	29.7	24.4	23.3	30.0	23.5	26.5
3 D	14.3	9.0	8.1	4.8	2.8	3.5	12.7	21.4	29.9	19.4	28.8	34.6	48.6	34.7	28.1	29.4	30.0	27.2	26.2	25.7	25.4	15.9	23.7	22.3	21.9
4	20.8	19.6	19.7	18.7	20.2	22.0	22.7	21.7	24.3	28.1	20.5	20.5	21.7	19.4	18.1	21.3	24.8	24.2	24.4	24.3	23.2	22.3	21.8	20.9	21.9
5	20.7	20.0	19.8	19.8	21.7	21.2	22.0	23.1	21.4	20.2	20.0	20.0	19.9	17.7	15.1	17.7	19.0	26.6	30.6	28.0	26.1	23.7	22.6	20.8	21.6
6	20.6	19.7	18.3	13.6	11.0	20.4	21.5	21.2	20.9	20.5	19.8	19.2	19.7	22.0	22.9	23.3	27.3	29.8	27.4	26.1	25.7	22.6	21.5	20.6	21.5
7	20.0	20.0	20.3	20.6	21.1	21.6	22.0	21.9	21.5	22.1	19.9	18.0	22.6	20.3	17.8	18.7	20.8	23.3	25.0	24.6	23.3	21.8	21.1	20.7	21.2
8 Q	20.6	20.2	20.4	20.6	20.9	20.9	21.2	20.9	21.1	20.0	20.1	19.6	19.7	18.9	17.5	18.9	20.4	23.4	24.3	23.8	22.7	21.5	20.6	20.4	20.8
9	20.4	20.6	20.6	20.4	20.9	20.8	21.2	20.7	20.4	20.5	19.6	19.3	19.4	18.0	17.0	18.7	21.5	23.3	24.2	24.3	23.8	22.5	20.7	20.0	20.8
10	19.8	19.8	19.8	20.6	20.9	20.9	21.2	21.2	20.7	19.9	19.7	21.7	20.8	18.6	17.3	19.5	21.9	25.4	27.2	27.5	26.3	25.5	25.7	21.8	21.8
11	20.4	18.5	19.2	17.6	17.8	19.8	20.3	21.5	23.5	26.4	19.7	19.6	20.4	21.3	22.7	24.4	27.7	30.1	30.7	31.8	31.3	30.7	25.9	23.0	23.5
12	20.9	20.8	16.9	16.9	20.4	20.0	20.9	21.2	20.9	20.9	20.6	20.3	20.0	18.8	18.0	19.6	20.9	24.0	25.2	24.3	22.2	20.9	20.6	20.1	20.6
13	19.8	19.8	19.8	20.1	20.7	20.9	21.2	21.3	20.9	20.6	20.4	20.1	19.4	19.2	16.9	17.8	21.9	24.5	25.0	24.0	22.6	22.7	23.1	22.7	21.1
14	21.0	18.8	18.7	19.6	20.3	20.5	20.7	20.6	20.5	19.6	20.1	20.1	19.7	18.9	18.4	19.1	21.7	24.1	25.5	24.6	22.8	22.0	20.9	20.9	20.8
15	20.3	19.6	19.5	18.9	16.9	19.5	20.4	21.5	22.4	22.6	19.9	21.5	22.1	20.8	19.7	19.5	20.5	21.5	22.6	23.2	23.0	22.7	21.2	20.6	20.8
16	19.9	19.1	18.5	18.6	19.1	20.3	19.8	20.1	19.6	19.6	19.6	19.9	19.6	18.2	17.7	17.6	19.7	21.4	22.8	22.8	22.3	21.1	21.2	21.1	20.0
17	20.2	20.2	19.3	19.1	18.6	19.7	20.4	21.0	20.9	19.8	20.5	19.9	19.2	18.4	17.4	18.1	20.0	22.0	23.8	24.1	23.2	21.7	20.8	20.1	20.4
18 Q	19.8	19.7	19.1	18.5	19.6	20.5	20.5	20.5	20.3	19.8	19.6	19.5	19.0	18.2	17.7	18.3	19.6	21.6	23.2	23.0	22.0	21.0	20.2	19.8	20.0
19 Q	19.5	19.3	19.3	19.5	19.9	20.6	20.8	20.4	20.1	19.6	19.5	19.1	18.6	18.5	18.0	18.5	20.2	22.4	24.1	23.6	22.2	20.5	19.6	19.5	20.1
20 Q	19.3	19.2	19.6	19.6	19.9	20.2	21.3	22.3	19.5	18.1	19.9	21.0	19.8	18.1	17.9	17.6	20.2	23.0	24.3	23.4	22.0	20.5	19.9	19.6	20.3
21	19.2	19.1	19.4	18.9	18.5	20.3	20.3	20.1	19.7	20.3	20.3	19.1	18.7	18.4	17.9	17.9	19.5	21.2	22.6	22.7	21.6	21.5	20.6	20.3	19.9
22	19.3	18.7	18.3	18.8	19.7	19.7	20.5	20.5	20.4	19.8	19.7	18.5	18.1	20.4	21.5	21.1	21.8	23.7	25.1	24.4	24.8	22.0	20.8	20.2	20.7
23	19.3	19.1	18.7	17.4	17.9	17.4	17.2	18.9	20.9	18.0	18.1	20.2	22.4	20.4	16.3	18.5	20.4	22.6	23.9	23.8	23.0	22.4	22.8	21.6	20.0
24	18.0	17.7	18.4	18.4	18.1	20.3	21.1	20.9	20.8	20.4	19.5	19.3	19.2	18.1	17.6	18.1	20.3	22.7	24.5	24.8	23.5	21.8	20.2	19.5	20.2
25 Q	18.8	18.5	18.5	19.0	19.3	19.9	20.2	20.6	20.5	20.8	19.5	19.1	18.4	17.3	16.1	16.2	19.1	21.2	22.6	23.3	22.8	21.3	19.9	19.1	19.7
26	18.7	18.4	18.7	18.6	19.3	20.1	20.1	20.5	20.1	19.1	19.2	19.0	19.2	18.6	17.9	17.3	19.5	22.5	23.7	23.9	23.1	21.6	19.8	19.4	20.0
27	19.7	16.0	15.0	14.9	16.5	17.9	18.9	20.4	16.6	17.3	17.3	17.8	19.7	16.9	15.3	14.5	16.9	20.6	22.3	22.9	22.9	20.8	19.2	19.1	18.3
28 D	18.9	18.8	18.6	26.2	24.9	20.1	20.2	22.3	20.2	16.8	17.6	24.8	20.8	16.4	15.6	24.5	29.1	27.3	24.5	25.1	24.8	22.8	22.0	20.1	21.2
29	16.2	11.8	16.5	16.8	19.8	20.1	20.5	20.3	19.9	20.7	21.2	21.6	18.8	17.7	18.2	18.7	21.8	24.3	24.4	23.7	22.2	21.1	19.9	18.8	19.8
30 D	18.5	17.6	17.3	16.7	17.8	20.8	19.1	20.6	20.3	20.2	21.6	19.8	23.4	22.0	20.7	20.3	22.5	24.4	24.5	24.3	22.5	20.9	20.5	17.6	20.6
31	18.5	18.2	18.0	18.1	18.1	18.4	20.1	20.5	19.9	19.8	19.9	20.4	21.0	18.6	17.1	18.7	21.2	24.2	26.8	26.7	23.2	21.0	19.6	19.5	20.3
Mean	19.5	18.2	18.4	18.4	18.8	19.5	20.3	20.9	21.0	20.3	20.4	21.2	21.3	20.7	21.8	20.2	22.3	24.0	25.1	24.8	23.6	22.0	21.5	20.4	21.0

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

Table 36 Agincourt

Z = 56,000 γ +

December 1961

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	168	167	165	165	163	164	160	152	138	125	126	111	118	135	120	138	186	173	180	189	189	191	192	205	159
2 D	219	238	198	181	192	146	157	163	170	140	118	117	133	141	151	169	215	254	241	248	233	388	326	325	203
3 D	249	236	228	175	124	108	66	43	5	43	90	102	89	130	157	168	170	169	179	187	196	204	192	187	146
4	184	176	166	178	177	172	173	175	169	154	159	168	170	172	172	174	177	180	182	186	184	185	181	185	175
5	186	185	187	176	175	176	176	176	177	178	178	178	179	178	180	175	176	185	193	197	189	188	189	186	182
6	186	183	184	180	172	178	177	177	178	177	177	177	175	170	168	169	176	188	200	194	192	188	186	182	181
7	181	180	178	177	175	175	173	175	171	170	175	170	173	173	174	174	175	178	182	183	183	181	180	178	177
8 Q	177	175	175	176	175	175	173	174	174	176	176	175	175	174	171	170	170	174	177	177	176	175	171	172	174
9	171	172	173	172	171	171	171	171	171	171	171	171	170	171	168	166	170	174	173	177	178	178	174	172	172
10	171	171	170	171	170	171	171	171	171	171	169	165	164	163	165	166	169	174	178	176	174	183	185	183	172
11	183	183	184	177	176	172	163	154	143	127	140	148	148	148	150	153	159	167	172	181	188	190	190	189	166
12	190	190	196	193	186	179	176	176	173	172	174	176	175	176	172	170	170	174	179	176	174	177	175	174	178
13	173	172	172	171	171	171	171	171	171	164	167	168	170	174	165	165	167	168	172	174	172	171	172	179	171
14	183	179	176	172	171	169	168	168	169	170	170	170	169	168	166	165	166	170	172	177	180	176	172	172	172
15	171	171	170	171	163	165	164	165	165	163	164	165	166	166	163	160	160	163	167	172	175	176	177	175	167
16	172	172	171	171	171	170	163	159	165	167	167	167	168	168	167	164	165	167	171	174	176	179	171	171	169
17	170	171	165	168	168	169	167	168	168	169	166	165	167	165	164	160	163	165	172	176	176	172	171	170	168
18 Q	167	166	165	165	166	165	165	165	165	165	165	165	164	164	160	159	160	163	166	168	170	169	167	165	165
19 Q	164	163	164	163	163	162	162	162	163	162	162	161	161	162	160	159	160	163	162	167	168	167	165	163	163
20 Q	162	160	161	162	162	161	159	155	156	159	159	158	158	159	157	157	157	160	165	167	169	170	168	165	161
21	165	163	163	165	165	164	163	163	162	161	160	161	160	159	159	154	152	155	159	162	165	165	163	163	161
22	160	160	162	162	159	160	160	160	160	160	160	159	159	160	160	159	160	165	170	170	167	168	166	165	162
23	165	165	167	167	165	162	159	157	158	163	162	159	153	152	155	157	160	162	165	167	169	171	168	176	163
24	167	164	164	162	163	158	156	159	162	159	157	157	157	159	159	156	160	162	164	168	170	174	170	166	162
25 Q	166	165	164	164	163	163	163	162	162	162	162	164	165	166	166	163	163	166	170	169	170	170	166	164	165
26	163	162	162	162	159	158	159	158	159	158	158	156	155	156	156	157	158	159	164	167	169	169	167	166	161
27	166	168	169	165	158	160	160	161	161	158	159	160	160	159	157	151	149	149	156	163	165	161	157	157	160
28 D	158	160	163	164	162	161	158	152	149	140	141	147	146	152	149	150	155	161	167	170	173	174	177	177	158
29	174	171	165	167	167	164	164	164	162	160	157	160	159	159	156	154	151	154	159	163	168	168	171	171	163
30 D	167	163	161	163	163	151	156	161	161	158	161	158	161	161	163	173	174	172	174	177	175	172	171	165	165
31	170	168	167	166	162	159	160	161	164	164	163	163	161	164	160	158	159	163	168	174	173	172	166	166	165
Mean	176	175	173	170	167	164	162	161	159	157	158	159	159	161	161	161	166	170	174	177	178	183	179	179	168

PUBLICATIONS OF THE DOMINION OBSERVATORY

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

Hour U. T. Month Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
HORIZONTAL INTENSITY (gammas) (All Days) 1961																								
Table 37 Agincourt																								
January	+3	+3	+1	+2	+1	0	-1	-3	+2	+8	+7	+9	+10	+4	-6	-18	-24	-16	-8	-2	+4	+8	+7	+7
February	+3	0	+1	+1	0	+1	+2	+1	-2	-2	0	+7	+6	+1	-6	-13	-17	-17	-9	-2	+7	+14	+15	+13
March	+10	+5	+2	+6	+4	+3	-1	+2	-2	+1	-2	+2	+1	-6	-14	-20	-20	-14	-3	+7	+12	+15	+14	+13
April	+11	+3	-1	-3	+1	-1	-4	0	+1	+4	+3	+4	-1	-12	-22	-29	-23	-15	-3	+8	+19	+21	+22	+16
May	+7	+3	+8	+2	+1	-3	-4	-2	-2	-3	-2	-3	-6	-15	-21	-27	-16	-4	+5	+12	+16	+16	+16	+11
June	+8	+6	+1	-1	-4	-8	-4	0	-2	-3	-3	-6	-11	-15	-20	-20	-15	-5	+8	+17	+20	+22	+24	+10
July	+14	+7	+2	+1	+2	-1	-1	-1	-23	-30	-23	-18	-17	-23	-34	-32	-22	-5	+17	+34	+45	+48	+37	+25
August	+6	+7	+2	+2	+4	+3	+1	+1	+1	+3	+1	-2	-11	-20	-29	-31	-23	-9	+7	+17	+20	+20	+16	+11
September	+8	+7	+6	+3	+5	+3	+2	+1	+2	+5	+4	+4	+6	-16	-26	-29	-21	-9	+3	+11	+12	+14	+13	+12
October	+15	+9	-1	-1	-4	-12	-13	-12	-4	+3	+10	+3	-2	-9	-17	-20	-22	-14	+5	+24	+32	+12	+6	+7
November	+3	+2	-2	0	-1	+1	+2	+2	+4	+6	+8	+9	+4	-3	-10	-16	-17	-14	-7	0	+7	+8	+6	+4
December	+2	+1	-2	-2	-1	+1	+2	+4	+2	+5	+8	+9	+9	+1	-2	-12	-16	-15	-10	0	+7	+9	+6	+4
Year	+7.5	+4.3	+1.3	+0.8	+0.7	-1.1	-1.6	-0.5	-1.7	-0.3	+9.2	+1.5	-2.0	-9.4	-17.2	-22.2	-19.7	-11.4	+0.4	+10.5	+16.8	+17.2	+15.2	+11.4
Winter	+2.8	+1.5	-0.5	+0.2	-0.2	+0.8	+1.2	+1.0	+1.5	+4.2	+5.8	+8.5	+7.2	+0.8	-5.8	-14.8	-18.5	-15.5	-8.5	-1.0	+6.2	+9.8	+6.5	+7.0
Equinox	+11.0	+6.0	+1.2	+1.0	+1.5	-1.8	-4.0	-2.0	0.0	+3.0	+3.8	+3.2	-2.0	-10.8	-19.8	-24.5	-21.5	-13.0	+0.5	+12.5	+18.8	+15.5	+14.2	+12.0
Summer	+6.8	+5.6	+3.2	+1.0	+0.8	-2.2	-2.0	-0.5	-6.5	-8.2	-6.8	-7.2	-11.2	-18.2	-26.0	-27.5	-19.0	-5.8	+9.2	+20.0	+25.2	+26.5	+22.8	+15.2
DECLINATION (minutes) (All Days) 1961																								
Table 38 Agincourt																								
January	+1.0	+1.4	+2.1	+1.6	+1.7	+1.2	+1.1	-0.3	+0.9	+1.5	+1.4	+0.1	+1.2	+1.9	+1.5	-0.4	-2.8	-4.0	-4.4	-3.5	-2.2	-1.1	-0.2	+0.2
February	+0.1	+1.7	+1.7	+1.9	+2.3	+1.6	+0.5	+0.3	+0.2	+1.0	+0.7	+1.7	+1.4	+2.2	+2.1	+0.2	-1.4	-3.2	-4.4	-4.3	-3.3	-1.9	-1.0	-0.1
March	+0.3	+0.9	+0.8	+2.3	+1.5	+1.9	+1.9	+1.4	+2.1	+1.4	+0.3	+2.3	+3.3	+3.9	+3.1	+0.2	-3.3	-6.1	-6.3	-5.3	-3.9	-3.1	-1.0	-0.4
April	+0.4	+0.9	+2.1	+1.1	+1.1	+1.0	+1.4	+1.9	+2.2	+2.7	+2.9	+4.3	+5.6	+5.5	+3.7	-0.4	-3.7	-6.1	-7.2	-6.6	-5.7	-3.8	-1.6	-0.4
May	0.0	+1.4	+1.2	+1.2	+2.1	+1.1	+0.8	+0.6	+1.2	+1.6	+3.4	+5.0	+5.7	+4.9	+3.1	-0.2	-3.3	-5.4	-6.4	-6.4	-5.3	-3.6	-2.5	-1.1
June	+0.8	+1.3	-0.2	+1.3	+1.7	+0.8	+0.5	-0.5	-0.4	+1.3	+3.2	+5.4	+6.1	+5.9	+4.2	0.0	-3.2	-5.8	-6.8	-6.0	-4.8	-2.8	-1.2	-0.4
July	+1.3	+1.5	+1.8	+3.0	+2.3	+0.8	+0.2	-1.0	-2.2	-1.2	+0.9	+5.0	+5.2	+6.0	+4.1	+0.5	-4.0	-5.3	-5.8	-5.1	-4.0	-2.1	-1.2	-0.3
August	+0.7	+1.2	+1.6	+2.5	+2.4	+2.0	+0.4	+1.0	+0.9	+1.6	+3.5	+6.4	+6.4	+6.2	+3.1	-1.5	-5.6	-8.2	-8.7	-7.3	-5.0	-2.5	-0.5	+0.4
September	+1.3	+1.2	+1.5	+1.2	+0.7	+1.3	+0.3	+1.5	+3.0	+2.5	+2.5	+3.7	+6.0	+4.4	+1.6	-2.2	-5.8	-7.2	-7.1	-5.3	-3.3	-1.7	-0.1	+1.3
October	+1.3	+1.7	+1.4	+1.1	+0.5	+0.1	-0.6	+1.4	+0.6	+0.8	+2.5	+1.7	+1.1	+3.2	+2.9	+0.2	-2.9	-5.0	-4.3	-2.5	-1.5	-2.2	-1.2	-0.4
November	+1.4	+1.7	+2.2	+1.8	+1.2	+1.1	+0.4	-0.5	-0.4	+0.7	+2.0	+1.1	+0.9	+1.4	+1.4	+0.1	-1.6	-3.4	-4.1	-3.7	-2.5	-1.3	-0.7	+0.5
December	+1.5	+2.8	+2.6	+2.6	+2.2	+1.5	+0.7	+0.1	0.0	+0.7	+0.6	-0.2	-0.3	+0.3	-0.8	+0.8	-1.3	-3.0	-4.1	-3.8	-2.6	-1.0	-0.5	+0.6
Year	+0.8	+1.5	+1.6	+1.8	+1.6	+1.2	+0.6	+0.5	+0.7	+1.2	+2.0	+3.0	+3.5	+3.8	+2.5	-0.2	-3.2	-5.2	-5.8	-5.0	-3.7	-2.2	-1.0	0.0
Winter	+1.0	+1.9	+2.2	+2.0	+1.8	+1.4	+0.7	-0.1	+0.2	+1.0	+1.2	+0.7	+0.8	+1.4	+1.1	+0.2	-1.8	-3.4	-4.2	-3.8	-2.6	-1.3	-0.6	+0.3
Equinox	+0.8	+1.2	+1.4	+1.4	+1.0	+1.1	+0.8	+1.6	+2.0	+1.9	+2.1	+3.0	+3.8	+4.2	+2.8	-0.6	-3.8	-6.1	-6.2	-4.9	-3.6	-2.4	-1.0	0.0
Summer	+0.7	+1.4	+1.1	+2.0	+2.1	+1.2	+0.4	0.0	-0.1	+0.8	+2.8	+5.4	+6.8	+5.8	+3.6	-0.3	-4.0	-6.2	-6.9	-6.2	-4.8	-2.8	-1.4	-0.4
VERTICAL INTENSITY (gammas) (All Days) 1961																								
Table 39 Agincourt																								
January	+10	+8	+5	+1	0	-1	-5	-9	-10	-11	-9	-8	-6	-5	-8	-7	-2	+1	+6	+7	+8	+9	+10	+10
February	+14	+8	+8	+4	-2	-6	-7	-9	-14	-18	-20	-16	-9	-6	-6	-6	-7	0	+4	+8	+14	+17	+18	+19
March	+12	+12	+4	+1	-3	-5	-9	-13	-13	-13	-12	-6	0	-1	-3	-4	-3	+1	+5	+6	+7	+9	+11	+12
April	+14	+8	+7	+6	-6	-9	-12	-9	-9	-10	-8	-6	-5	-5	-6	-7	-6	-3	+4	+6	+13	+18	+20	+13
May	+16	+12	+6	+3	-5	-14	-10	-12	-12	-9	-5	-4	-7	-6	-5	-4	-3	-3	0	+6	+10	+16	+18	+17
June	+16	+12	+5	+3	-5	-14	-10	-12	-12	-9	-5	-4	-7	-6	-5	-4	-3	-2	0	+6	+10	+16	+18	+17
July	+27	+17	+11	+6	-12	-22	-29	-28	-36	-38	-28	-11	-13	-8	-7	-2	-1	+6	+13	+24	+32	+38	+33	+33
August	+3	+10	+7	0	-7	-13	-15	-14	-12	-5	-6	-4	-2	-4	-6	-5	-3	0	+4	+9	+13	+16	+14	+14
September	+7	+4	+1	-2	-10	-14	-16	-14	-9	-11	-9	-7	-6	-5	-4	-1	+3	+7	+11	+16	+15	+23	+20	+20
October	+18	+12	+8	-1	-3	-4	-10	-9	-12	-16	-9	-9	-9	-5	-2	-2	-2	+4	+8	-4	-2	+14	+16	+13
November	+7	+6	+4	+3	-1	-5	-5	-9	-10	-11	-8	-6	-4	-3	-3	-3	-2	+1	+5	+7	+12	+8	+7	+8
December	+8	+7	+6	+3	-1	-4	-6	-7	-9	-11	-10	-9	-9	-7	-7	-7	-2	+2	+6	+9	+10	+15	+11	+11
Year	+12.7	+9.7	+5.9	+1.2	-4.6	-9.2	-11.2	-12.1	-13.2	-13.5	-10.8	-7.5	-6.4	-5.1	-5.2	-4.6	-2.9	+0.8	+6.1	+8.2	+11.9	+15.9	+16.8	+15.6
Winter	+9.8	+7.2	+5.5	+2.5	-1.0	-4.0	-5.8	-8.5	-10.8	-12.8	-11.8	-9.8	-7.0	-5.2	-6.0	-5.8	-3.2	+1.0	+5.0	+7.8	+11.0	+12.2	+11.5	+12.0
Equinox	+12.8	+9.0	+5.0	-2.0	-5.5	-8.0	-11.8	-11.2	-10.8	-12.5	-9.5	-7.0	-5.0	-4.0	-4.0	-4.2	-3.0	+1.2	+6.0	+5.5	+8.5	+14.0	+17.5	+14.5
Summer	+15.5	+12.8	+7.2	+3.0	-7.2	-15.8	-16.0	-16.5	-18.0	-15.2	-11.0	-5.8	-7.2	-6.0	-5.8	-3.8	-2.5	+0.2	+4.2	+11.2	+16.2	+21.5	+21.2	+20.2

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

Hour U. T. Month Season	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
HORIZONTAL INTENSITY (gammas) (Quiet Days)																								
																							1961	
January	+4	+2	+1	0	0	+2	+2	+3	+5	+8	+6	+7	+6	+1	-10	-19	-19	-11	-4	-2	0	+3	+7	+7
February	+5	+3	+1	0	0	+2	+3	+4	+6	+6	+6	+6	+5	-1	-10	-16	-17	-16	-8	-1	+4	+6	+5	+7
March	+5	+1	+3	+3	+3	+2	+2	+4	+5	+5	+6	+4	+1	-7	-14	-19	-21	-16	+6	+3	+9	+12	+8	+7
April	+9	+5	+3	+5	+3	+6	+4	+4	+4	+7	+9	+6	+3	-6	-19	-28	-28	-24	-15	-3	+9	+13	+17	+17
May	+1	+1	+1	0	+1	+1	+1	0	+1	+2	+1	0	-4	-10	-16	-19	-16	-10	-1	+8	+13	+14	+18	+15
June	+3	+3	+3	+2	+1	0	+1	+1	+1	+4	+4	0	-4	-10	-18	-25	-23	-11	+4	+13	+15	+15	+12	+10
July	-3	-1	-3	-1	+2	0	+3	+2	0	-5	-7	-7	-13	-20	-25	-25	-16	+3	+18	+23	+26	+19	+16	+12
August	+7	+7	+1	+1	+1	+4	+5	+4	+4	+3	0	-3	-12	-22	-31	-33	-24	-12	-10	+19	+22	+19	+17	+12
September	+8	+6	+5	+3	+5	+4	+4	+5	+6	+3	+1	-9	-22	-31	-29	-19	-6	+5	+10	+10	+12	+13	+12	+11
October	+7	+7	+6	+5	+3	+3	+3	+4	+5	+6	+7	+6	0	-7	-15	-23	-27	-14	-5	+1	+3	+5	+8	+11
November	+2	+2	+3	+2	+2	+3	+2	+4	+6	+6	+6	+5	+2	-2	-9	-17	-20	-16	-10	-1	+6	+7	+9	+9
December	+3	+1	+1	-1	+1	+2	+2	+3	+3	+4	+4	+6	+5	+3	-3	-12	-16	-18	-11	-3	+5	+7	+8	+6
Year	+4.2	+3.1	+2.1	+1.6	+1.8	+2.4	+2.7	+3.2	+3.8	+4.3	+3.7	+2.6	-1.7	-8.6	-16.8	-22.1	-20.5	-12.6	-1.9	+5.6	+10.0	+11.0	+11.5	+10.4
Winter	+3.5	+2.0	+1.5	+0.2	+0.8	+2.2	+2.2	+3.5	+5.0	+6.0	+5.6	+6.0	+4.5	+0.2	-8.0	-16.0	-18.0	-15.2	-8.2	-1.8	+3.5	+5.8	+7.2	+7.2
Equinox	+7.2	+4.8	+4.2	+4.0	+3.5	+3.8	+3.2	+4.2	+4.8	+6.0	+6.0	+4.2	-1.2	-10.5	-19.8	-24.8	-23.8	-15.0	-5.2	+2.8	+7.5	+10.5	+11.5	+11.8
Summer	+2.0	+2.5	+0.5	+0.5	+1.2	+1.2	+2.5	+1.8	+1.5	+1.0	-0.5	-2.5	-8.2	-15.5	-22.5	-25.5	-19.8	-7.5	+7.8	+15.8	+19.0	+16.8	+15.8	+12.2

DECLINATION (minutes) (Quiet Days)																								
																							1961	
January	+0.4	+0.6	+1.0	+0.3	+0.2	+0.2	-0.2	-0.2	+0.5	+0.8	+1.1	+1.1	+2.0	+2.8	+2.4	+0.2	-1.6	-2.8	-2.9	-2.5	-1.8	-1.0	-0.6	+0.1
February	-0.2	-0.1	+0.2	+0.3	+0.4	+0.2	-0.1	+0.1	+0.4	+0.5	+0.9	+1.1	+2.1	+3.3	+3.4	+1.7	-0.2	-2.2	-3.5	-3.1	-2.1	-1.2	-1.1	-0.7
March	-0.9	-0.2	+0.2	+0.4	+0.6	+0.9	+1.2	+1.2	+1.6	+1.8	+2.1	+3.0	+4.3	+5.4	+4.2	+1.1	-1.8	-4.8	-5.8	-5.5	-4.2	-2.5	-1.6	-0.9
April	+0.8	+0.3	+0.1	-0.2	+0.3	+0.6	+1.2	+1.4	+1.4	+0.8	+2.8	+3.7	+5.2	+5.0	+5.0	+1.8	-1.6	-4.3	-6.2	-6.4	-5.4	-3.7	-2.1	-0.4
May	-0.9	0.0	+0.2	+0.8	+1.3	+1.5	+0.8	+1.1	+0.1	+1.3	+3.4	+5.4	+6.0	+6.2	+5.0	+1.8	-1.6	-4.7	-6.7	-7.2	-6.8	-4.3	-2.2	-0.6
June	+0.9	+1.0	-0.1	-0.1	-0.1	-0.4	-0.3	-0.3	+0.2	+0.9	+3.6	+5.8	-7.4	+7.7	+5.4	+1.0	-3.7	-6.4	-7.1	-6.2	-5.1	-3.1	-1.3	+0.4
July	-0.2	-0.2	+0.8	+0.4	+1.3	+0.1	-0.8	-0.8	-0.1	0.0	+4.1	+7.1	+7.9	+8.6	+5.9	+1.2	-3.2	-6.1	-7.0	-7.3	-5.7	-3.8	-1.9	-0.5
August	-0.5	0.0	+0.3	+1.0	+0.9	+0.1	+0.7	+1.1	+1.3	+2.3	+4.0	+6.2	+7.1	+7.1	+6.6	+4.1	-0.5	-5.0	-7.8	-8.0	-6.8	-4.8	-2.1	-0.4
September	-0.2	-0.1	-0.1	0.0	+0.1	+0.5	+0.9	+1.6	+2.1	+2.8	+3.3	+4.6	+5.9	+5.8	+3.0	-1.4	-4.9	-6.9	-7.0	-5.3	-3.0	-0.9	-0.3	-0.5
October	-0.4	-0.2	+0.1	+0.1	-0.2	+0.1	+0.5	+0.6	+0.9	+1.2	+1.2	+1.5	+2.9	+4.1	+4.1	+2.4	-0.4	-3.2	-4.4	-4.0	-3.0	-2.1	-0.8	-0.9
November	+0.8	+0.8	+0.6	+0.4	+0.1	-0.2	-0.2	-0.2	+0.1	+0.6	+0.9	+1.1	+1.5	+2.7	+3.0	+1.8	-0.5	-3.1	-4.1	-3.2	-2.2	-1.1	-0.2	+0.5
December	+0.6	+0.8	+0.8	+0.7	+0.2	-0.2	-0.6	-0.8	-0.1	+0.5	+0.5	+0.5	+1.1	+2.0	+2.7	+2.3	+0.3	-2.2	-3.5	-3.2	-2.2	-0.8	+0.1	+0.5
Year	0.0	+0.2	+0.3	+0.3	+0.4	+0.3	+0.3	+0.4	+0.7	+1.1	+2.3	+3.4	+4.4	+5.0	+4.0	+1.1	-2.0	-4.5	-5.5	-5.1	-3.9	-2.2	-1.0	-0.2
Winter	+0.4	+0.5	+0.6	+0.4	+0.2	0.0	-0.3	-0.3	+0.2	+0.6	+0.9	+1.0	+1.7	+2.7	+2.9	+1.5	-0.5	-2.6	-3.5	-3.0	-2.1	-1.0	-0.4	+0.1
Equinox	-0.2	-0.1	+0.1	+0.1	+0.2	+0.5	+1.0	-1.2	+1.5	+1.6	+2.4	+3.2	+4.6	+5.1	+4.1	+1.0	-2.2	-4.8	-5.9	-5.3	-3.9	-2.3	-1.2	-0.7
Summer	-0.2	+0.2	+0.3	+0.5	+0.8	+0.3	+0.1	+0.3	+0.4	+1.1	+3.8	+6.1	+7.1	+7.3	+5.1	+0.9	-3.4	-6.2	-7.2	-6.9	-5.6	-3.3	-1.4	-0.2

VERTICAL INTENSITY (gammas) (Quiet Days)																								
																							1961	
January	+2	+2	+1	+2	+2	+1	+1	+1	+1	-1	-1	-1	0	0	-4	-4	-3	-3	-1	0	0	+2	+2	+2
February	+2	+2	+2	+1	+1	+1	+1	0	0	-1	-1	-1	0	-1	-4	-4	-4	-2	0	+3	+3	+1	+1	+1
March	+3	+3	+2	+2	+1	+1	+1	-1	-2	-2	-2	-1	-1	-2	-3	-5	-5	-2	+1	+3	+3	+2	+2	+1
April	+6	+5	+7	+5	+3	+2	-2	-6	-2	-3	-1	0	-1	-1	-2	-5	-6	-5	-4	-1	+2	+2	+4	+4
May	+8	+6	+4	+3	+1	-4	-3	0	0	0	+1	+1	-1	-4	-7	-10	-11	-10	-6	0	+6	+7	+9	+10
June	+4	+3	+1	+1	-1	-5	-3	-2	0	+2	+2	0	0	-1	-2	0	-2	-4	-3	-1	+1	+2	+4	+5
July	+10	+8	+7	+5	-2	-5	-8	-13	-10	-5	-1	+2	+3	0	-1	-3	-6	-8	-6	+1	+6	+9	+8	+8
August	+1	+1	+2	+2	+1	-3	-4	-2	0	+1	+2	+2	+1	-1	-3	-5	-5	-5	-3	+1	+3	+6	+5	+1
September	0	-1	-1	-1	-2	-2	-2	-2	-2	-2	-1	+1	+1	0	-1	-3	-2	+2	+5	+5	+4	+4	+1	0
October	+2	+1	+1	+1	+1	+1	+2	+1	+1	+1	+1	+1	+1	0	-1	-4	-9	-7	-3	0	+2	+2	+2	+1
November	+2	+1	0	+1	0	0	0	0	0	0	0	-1	+1	+2	-1	-5	-5	-4	-1	+3	+3	+3	+2	+1
December	+2	0	0	+1	0	0	-1	-2	-2	-1	-1	-1	-1	-1	-3	-4	-4	0	+3	+4	+5	+4	+2	0
Year	+3.5	+2.6	+2.2	+1.9	+0.4	-1.1	-1.5	-2.2	-1.3	-0.9	-0.2	+0.2	+0.3	-0.8	-2.7	-4.3	-5.2	-4.0	-1.5	+1.5	+3.2	+3.7	+3.5	+2.8
Winter	+2.0	+1.2	+0.8	+1.2	+0.8	+0.5	+0.2	-0.2	-0.2	-0.8	-0.8	-1.0	0.0	0.0	-3.0	-4.2	-4.0	-2.2	+0.2	+2.5	+2.8	+2.5	+1.8	+1.0
Equinox	+2.8	+2.0	+2.2	+1.8	+0.8	+0.5	-0.2	-2.0	-1.2	-1.5	-0.8	+0.2	0.0	-0.8	-1.8	-4.2	-5.5	-3.0	-0.2	+1.8	+2.8	+2.5	+2.2	+1.5
Summer	+5.8	+4.5	+3.5	+2.8	-0.2	-4.2	-4.5	-4.2	-2.5	-0.5	+1.0	+1.2	+0.8	-1.5	-3.2	-4.5	-6.0	-6.8	-4.5	+0.2	+4.0	+6.0	+6.5	+6.0

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

Hour U. T. Month Season table with columns for hour (0 to 23) and month (January to December).

HORIZONTAL INTENSITY (gammas) (Disturbed Days)

Table 43 Agincourt 1961

Table 43: Horizontal Intensity (gammas) (Disturbed Days) 1961. Data rows for January to December, Year, Winter, Equinox, and Summer.

DECLINATION (minutes) (Disturbed Days)

Table 44 Agincourt 1961

Table 44: Declination (minutes) (Disturbed Days) 1961. Data rows for January to December, Year, Winter, Equinox, and Summer.

VERTICAL INTENSITY (gammas) (Disturbed Days)

Table 45 Agincourt 1961

Table 45: Vertical Intensity (gammas) (Disturbed Days) 1961. Data rows for January to December, Year, Winter, Equinox, and Summer.

THREE-HOUR RANGE INDICES, AGINCOURT, 1961

May									June							
	D	H	Z	K	D	H	Z	K	D	H	Z	K	D	H	Z	K
1	4212	2211	2312	2212	4301	1102	4312	2212	2434	5422	2213	4433	1243	4222	2444	5433
2	6622	1100	5511	1110	7722	0000	7722	1110	3345	4320	2233	3341	1244	2210	3345	4341
3	0231	0000	0000	0021	0000	0000	0231	0021	3443	2100	1221	1112	1323	0001	3443	2112
4	0011	0122	0000	0035	0001	0024	0011	0135	1333	2121	1320	3222	1211	1001	1333	3222
5	2342	2431	2321	3434	1041	1322	2342	3434	1333	1111	2321	1132	0312	1111	2333	1132
6	2544	4112	2654	5233	1754	3122	2754	5233	2231	2442	1221	2343	1231	0232	2231	2443
7	4253	3212	3233	3313	2352	2122	4353	3313	0444	4333	2233	4443	0333	1222	2444	4443
8	1232	2112	1221	2133	0121	0022	1232	2133	5442	2222	3222	3233	2333	1122	5443	3233
9	0345	2111	0234	2212	0335	1011	0345	2212	0133	1011	1111	2222	0011	0011	1133	2222
10	2122	2112	2111	1114	1011	1112	2122	2114	2222	2000	1011	2100	0100	0010	2222	2110
11	2433	3222	2222	3343	2322	1222	2433	3343	0000	1100	0000	0010	0000	0000	0000	1110
12	5433	1123	3322	2333	2432	0122	5433	2333	1322	2100	1322	2111	0441	1000	1442	2111
13	6533	4310	4322	2212	5412	1111	6533	4312	0002	0101	0000	1112	0000	0010	0002	1112
14	3333	2000	3311	1110	2222	0010	3333	2110	0112	0012	0000	0014	0000	1002	0112	1014
15	0002	1001	0000	1013	0000	0021	0002	1023	1113	2111	2223	2322	0011	1210	2223	2322
16	4453	4322	3343	3333	3652	1121	4653	4333	4122	2211	3001	1221	2000	1120	4122	2221
17	3112	2201	3111	2011	1210	1000	3212	2211	2211	1001	1210	0122	0200	0011	2211	1122
18	1012	0000	1000	0010	0000	0000	1012	0010	1223	2323	1212	2334	0211	0123	1223	2334
19	1113	2213	1212	2233	0201	2223	1213	2233	1411	1101	2201	0122	1200	0012	2411	1122
20	2243	2210	3421	1221	1433	1110	3443	2221	1321	1022	2121	1134	0211	0012	2321	1134
21	1111	0111	1000	0123	1100	0011	1111	0123	5334	4345	4345	5256	5434	3257	5445	5357
22	1111	3222	3221	1332	0010	0121	3221	3332	7665	4433	7465	4445	8554	4233	8665	4445
23	1322	3321	2311	3321	1310	1121	2322	3331	3010	1211	4010	1232	3000	0111	4010	1232
24	3332	1211	2100	1213	1110	1001	3332	1213	3311	2011	3100	1222	2100	0111	3311	2222
25	4562	3110	3553	2232	3664	1131	4664	3232	2113	2212	2112	2113	0012	1012	2113	2213
26	5130	2100	3001	1111	3011	0000	5131	2111	1101	2210	1000	3231	0000	1010	1101	3231
27	1430	0000	2310	0111	1330	0010	2430	0111	0234	2100	0231	2101	0132	1010	0234	2111
28	2111	3213	1011	3234	1101	1123	2111	3234	0213	2111	0011	1111	0102	0110	0213	2111
29	0310	1000	1210	0111	0300	0110	1301	1111	2644	1111	3743	2222	1742	1111	3744	2222
30	0033	2201	1112	2212	0021	1101	1133	2212	3210	1010	2110	0122	1200	0100	3210	1122
31	2443	3321	4222	3434	1334	1122	4444	3434								
July																
	D	H	Z	K	D	H	Z	K	August							
	D	H	Z	K	D	H	Z	K	D	H	Z	K	D	H	Z	K
1	3332	2211	2231	2311	1332	1100	3332	2311	4412	1002	3111	1123	1200	1101	4412	1123
2	0332	1321	1231	1233	0332	1121	1332	1333	5674	3333	4774	3233	5764	3222	5774	3333
3	0033	4311	1133	3322	0042	2110	1143	4322	3434	3334	1443	2233	2433	1122	3444	3334
4	2113	3213	2112	2335	1001	1115	2113	3335	5442	2221	4232	2231	3442	0121	5442	2231
5	5643	4423	4532	4334	6654	2122	6654	4434	2224	3111	0223	2123	0223	1011	0224	3123
6	4522	1322	3411	2433	2321	1212	4522	2433	0011	3211	1111	2123	0000	1001	1111	3223
7	5341	2211	3221	2211	4342	1111	5342	2211	0001	1100	1100	1122	0000	0000	1101	1122
8	1334	2311	1132	2223	0133	1111	1134	2323	1255	3330	1233	2143	0153	1112	1255	3343
9	3352	1301	1432	2311	0241	0100	3452	2311	2320	0100	2200	0010	0320	0000	2320	0110
10	1433	2311	2332	2321	1442	1110	2433	2321	2354	3211	2243	2022	0333	2011	2354	3222
11	3122	2121	2111	0433	0111	0122	3122	2433	4534	4212	4422	4234	2323	4132	4534	4234
12	1034	1100	1121	1211	0032	1100	1134	1211	1330	1111	1210	0233	1210	0111	1330	1233
13	0104	6665	1115	7765	0004	4556	1115	7766	2100	0000	3100	0111	1000	0100	3100	0111
14	4256	6543	4377	6565	4358	6543	4378	6565	0001	3420	0001	3321	0001	1211	0001	3421
15	3534	2223	3343	3255	1542	2244	3544	3255	1032	2200	1131	2112	0041	1100	1142	2112
16	5423	3221	5322	3233	6331	1132	6433	3233	3300	0001	3300	1112	1300	0001	3300	1112
17	4323	3255	2222	3166	3323	2156	4323	3266	0014	1020	1112	1121	0001	0110	1114	1121
18	6655	5455	5665	6565	6774	5645	6775	6665	0003	2200	1010	2212	0000	1101	1013	2212
19	5310	1102	5310	2112	6320	0111	6320	2112	1433	2100	1212	1102	0333	3101	1433	3102
20	1331	1224	2331	1345	0340	0224	2341	1345	0102	2210	1001	2222	0001	0010	1102	2222
21	4673	2231	4563	2332	5672	2132	5673	2332	0221	2100	1100	1110	1110	0000	1221	2110
22	1132	2200	3232	2211	1144	1110	3244	2211	1000	0000	0010	0100	0000	0000	1010	0100
23	0114	3312	1012	2433	0003	1222	1114	3433	0100	1100	1000	0111	0000	0001	1100	1111
24	2444	3111	2422	1213	2433	0001	2444	3213	0001	2111	0000	1123	0000	0112	0001	2123
25	3444	2221	3332	2123	4443	1011	4444	2223	1113	4121	2211	3114	1011	1001	2213	4124
26	4413	1034	4212	1145	2301	0024	4413	1145	0434	3202	2322	1133	0222	0022	2434	3233
27	4477	5346	3399	5477	3599	4457	4599	5477	2222	2200	3121	1111	3230	0000	3232	2211
28	4334	2321	4323	2333	3343	1232	4344	2333	1402	1100	2001	1012	0100	1001	2402	1112
29	1522	2111	1311	2222	0310	1111	1522	2222	0102	1322	1001	1345	0000	0133	1102	1345
30	1142	1111	2211	1022	0120	1011	2242	1122	5423	6433	4224	4434	4224	5323	5424	6434
31	0011	2111	1100	2222	0001	1011	1111	2222	5653	3213	4551	2233	5543	1212	5653	3233

THREE-HOUR RANGE INDICES, AGINCOURT, 1961

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September								October										
	D	H	Z	K		D	H	Z	K		D	H	Z	K				
1	3544	3324	3543	2334	3543	0123	3544	3334			7576	4111	8988	4133	7788	3111	8988	4133
2	1245	2213	2114	1113	1123	1001	2245	2213			0011	1110	1011	1121	0000	0010	1011	1121
3	3453	2110	2442	2121	0331	1110	3453	2121			0001	2100	1000	2121	0000	0000	1001	2121
4	0131	2101	0111	1113	0011	0111	0131	2113			0101	2113	0000	2122	0000	1011	0101	2123
5	3332	2211	3221	2122	2220	1112	3332	2222			2022	1000	1000	0010	0001	0000	2022	1010
6	1301	1000	0200	1110	0200	0000	1301	1110			0022	1100	0001	0011	0011	0001	0022	1111
7	1021	0000	1000	1011	0000	0000	1021	1011			4111	2000	2112	1001	2101	0100	4112	1101
8	0001	1000	0100	1111	0000	0001	0101	1111			0232	2100	0021	2211	0231	0001	0232	2211
9	1035	1100	1123	1112	0033	0001	1135	1112			2201	1000	1200	0000	0100	0000	1201	1000
10	3001	2121	1001	1223	0000	0011	3001	2223			0100	1000	0000	1111	0000	0000	0100	1111
11	0311	2233	1211	2224	0211	1233	1311	2234			1114	3211	1123	3032	0012	2121	1124	3232
12	0462	2003	1452	2113	1561	1111	1562	2113			6543	3202	5221	2122	5433	0001	6543	3222
13	1211	0112	0100	0133	0000	1112	1211	1133			1342	1201	1331	1212	1333	0100	1343	1212
14	3443	5214	2442	5233	3433	2114	3443	5234			3031	2100	2010	0100	1020	0000	3031	2100
15	1022	1101	1112	1011	1012	1000	1122	1111			0102	1100	0001	0110	0000	0100	0102	1110
16	2222	2110	1101	1122	0200	0110	2222	2122			0000	0000	0000	0000	0000	0000	0000	0000
17	3521	2100	4211	0011	2410	0000	4521	2111			0000	0000	0000	0002	0000	0001	0000	0002
18	2311	2100	2201	1200	0100	0000	2311	2200			0210	2000	0100	1110	0000	0000	0210	2110
19	0100	1000	0100	1100	0100	0000	0100	1100			2111	2011	2101	1122	1100	0010	2111	2122
20	1122	1210	1221	0231	0021	0110	1222	1231			4552	1100	3451	0110	5450	0100	5552	1110
21	0000	1000	0000	0010	0000	0100	0000	1110			3001	2122	1001	1122	0000	0011	3001	2122
22	0110	2201	0000	1121	0000	0110	0110	2221			1112	2110	1101	0110	0100	0000	1112	2122
23	0000	1000	1000	1121	0000	0111	1001	1121			0110	1211	0000	0122	0000	0111	0110	1222
24	0025	5434	1014	5444	0004	4234	1025	5444			0322	0000	1210	0010	0220	0000	1322	0010
25	6664	2203	4563	3223	5563	2111	6664	3223			1021	2221	1100	2222	0000	0111	1121	2222
26	4332	3334	3212	1212	2122	2112	4332	3334			3344	2234	2233	2244	1233	3034	3344	3244
27	4545	4211	3434	3122	3444	2101	4545	4422			4635	2233	3522	3223	4533	1034	4635	3234
28	1000	0003	0010	0113	0000	0001	1010	0113			2237	7577	1147	7697	1146	7697	2247	7697
29	1120	1100	1200	0221	0200	0000	1220	1221			5453	1101	5553	1101	6561	0100	6563	1101
30	1312	1016	1211	2137	0110	0017	1312	2137			0011	2100	0022	2200	0010	1000	0022	2200
31											1131	1000	0020	1110	0030	0000	1131	1110
November								December										
	D	H	Z	K		D	H	Z	K		D	H	Z	K				
1	0322	1010	0101	1011	0110	0000	0322	1011			0145	7433	0134	6555	0033	4433	0145	7555
2	0023	1000	0012	2000	0021	1000	0023	2000			5335	5446	3334	5346	4433	3556	5435	5556
3	2311	0000	1110	0000	0210	0000	2311	0000			6555	5214	6556	3233	5556	5222	6556	5234
4	0100	1001	0100	1022	0000	0010	0100	1022			3334	2210	3112	1211	2112	1010	3334	2211
5	2433	4312	1222	4123	0323	2112	2433	4323			0220	3332	0200	2331	0100	1121	0220	3332
6	1343	2101	1332	2112	1344	0000	1344	2112			1401	2320	1211	3330	0200	1320	1411	3330
7	2345	4364	2334	3364	2244	4464	2345	4464			0013	3000	1111	3010	0011	1000	1113	3010
8	4441	3112	4231	2121	4540	0010	4541	3122			0011	1100	0001	1010	0000	0000	0011	1110
9	3142	2210	2121	2121	1011	1110	3142	2221			0011	1000	0111	1110	0000	0000	0111	1110
10	1301	1000	0200	1100	0200	0000	1301	1100			0002	2102	0101	1021	0000	0010	0102	1122
11	0000	1101	0000	0011	0000	0000	0000	1111			2232	1213	2132	1112	1023	1110	2233	1213
12	2242	2303	2222	2222	1131	1001	2242	2323			3300	1100	3200	0100	1100	0000	3300	1100
13	2100	1000	1100	0011	0000	0000	2100	1011			0001	1102	0000	0121	0000	0011	0001	1122
14	1351	1111	1340	1111	0241	0010	1351	1111			2110	0011	0000	0011	0000	0010	2110	0011
15	0000	1000	0000	0100	0000	0000	0000	1100			0322	0002	0200	0012	0100	0011	0322	0012
16	0000	1011	0000	0012	0000	0001	0000	1012			1111	1000	0110	0001	0010	0000	1111	1001
17	0201	3413	1000	2323	0000	1214	1201	3424			2110	0000	2100	0000	1000	0010	2110	0010
18	4465	5232	3355	4332	3445	3131	4465	5332			2100	0000	1100	0000	0000	0000	2100	0000
19	3342	3000	3330	1000	3230	0000	3342	3000			0000	0000	0100	0000	0000	0000	0100	0000
20	0342	3212	0231	2221	0130	1110	0342	3222			0021	1000	0010	0001	0010	0000	0021	1001
21	2321	0101	2300	0111	1200	0000	2321	0111			0201	0000	0200	0011	0000	0000	0201	0011
22	2101	1000	1000	0000	0000	0000	2101	1000			0201	2111	1101	1110	0000	0100	1201	2111
23	0000	1000	0000	0000	0000	0010	0000	1010			0232	4102	1121	2113	0011	1002	1232	4113
24	0100	1000	0010	0000	0000	0000	0110	1000			2322	2100	2201	1210	1100	1000	2322	2210
25	0023	2000	0011	0100	0011	0000	0023	2100			0001	1000	0000	0100	0000	0000	0001	1100
26	0122	1100	0110	0011	0100	0000	0122	1111			0111	0001	0000	0001	0000	0000	0111	0001
27	1010	1110	1000	1010	0000	0000	1010	1110			2221	2111	3111	2131	2110	0010	3221	2131
28	0100	0010	0100	0020	0000	0000	0100	0020			0224	4313	1114	3323	0021	1111	1224	4323
29	1211	1000	1100	0100	0100	0010	1211	1100			4212	2102	3201	2203	1101	1101	4212	2203
30	0020	1100	0000	0000	0100	0000	0020	1100			1422	2213	1313	2322	0311	1201	1423	2323
31											1211	1121	0110	1231	0100	1010	1211	1231

