PUBLICATIONS

of the

DOMINION OBSERVATORY

OTTAWA

RECORD OF OBSERVATIONS AT
AGINCOURT MAGNETIC OBSERVATORY
1964

A. A. Onhauser, M. H. Onhauser, D. L. McKeown

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AGINCOURT MAGNETIC OBSERVATORY, 1964

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

Geomagnetic Latitude 55.0°N
Geomagnetic Longitude 347.0°E

Introduction

Continuous photographic recording as well as absolute observations of the magnetic elements D, H, and Z continued at Agincourt during 1964. Although industrial construction continued to threaten the existence of the observatory, it is believed that artificial disturbances have not impaired the reliability of the values reported in this publication.

Absolute Instruments

A new Ruska Observatory Magnetometer (Ruska No. 6513) was acquired in 1962 and three new Quartz Horizontal Magnetometers(1) (QHM's Nos. 571, 572, and 573) were added in 1963. A program of careful standardization and comparison of the new instruments and the existing Agincourt magnetic standards was carried out in 1963. On January 1, 1964, revised standards of declination and horizontal intensity were adopted for Agincourt, introducing discontinuities in the tabulated absolute values. The D values change by 2.5′ toward the west, H values decrease by 13γ, and Z values are unchanged.

The standard of declination at Agincourt from 1932 to 1963 was based on Elliott magnetometer No. 48(2), with a westerly correction of 0.8′. The initial measurements with Ruska No. 6513 in 1962 gave declination values 1.0′ more westerly than this standard. By the end of 1963, the difference had increased to 2.5′. Throughout this period, portable fluxgate magnetometer(3) DO No. 8 agreed with Ruska No. 6513, within 0.3′.

In November 1963, Ruska No. 6513 was taken to Fredericksburg Magnetic Observatory for comparison with the United States declination standards. Twenty-seven determinations of the Fredericksburg D baseline with Ruska No. 6513 yielded a correction of 0.0 ± 0.3′. Six simultaneous declination observations with Ruska No. 6513 and the Fredericksburg Ruska No. 4905 gave a difference of 0.00 ± 0.07′.

It is clear that by the end of 1963 the Agincourt declination standard was in error by 2.5′. There is evidence, from many comparisons of instruments, that the error in the Agincourt standard could not have exceeded 0.5′ at least up to 1956. No satisfactory explanation has been found either for the large initial correction to Elliott No. 48, or for the rapid increase of the correction in recent years. The instrument was checked for ferromagnetic contamination, with negative results. Wear in the focussing mechanism of the telescope has been suggested as the cause. The optical system in the standard magnet is not focussed at infinity, and the focus of the telescope must be adjusted during a declination observation.

The standard of horizontal intensity at Agincourt was based on the Schuster-Smith coil magnetometer(2,4) from 1931 until 1956, when its behaviour became too erratic for routine base-line determinations. The practical standard for H from 1956 to 1963 was based on QHM No. 258. A second QHM, No. 391, which was added in 1962, agreed with this standard.

QHM's Nos. 571, 572, and 573 were standardized at Fredericksburg in November 1963. Subsequent comparisons at Agincourt with QHM's Nos. 258 and 391 showed that the Agincourt standard of H had been too high by 13.0 ± 0.3γ.

In early 1964, the standard cells and potentiometer of the Schuster-Smith coil magnetometer were recalibrated by the National Research Council of Canada. The new electrical constants resulted in an increase of 5.2γ in the absolute H determinations. A careful comparison of the Schuster-Smith was then made with four QHM's, yielding a correction to bring the Schuster-Smith into agreement with Fredericksburg of +1.9 ±0.6γ. This result contains an unknown pier difference, since it was not possible to move the Schuster-Smith to the pier used for the QHM's, but the agreement is considered satisfactory.

From 1960 to the present, Z base-line values at Agincourt were determined from the total intensity F, from a proton precession magnetometer (5,6), and the inclination I, from an earth inductor, using the relation $Z = F \sin I$. Values of H, from the relation $H = F \cos I$, were also calculated, and these have been consistently lower than the Agincourt H standard by 13 ± 5γ. It is now clear that the error in the Agincourt standard of H existed from 1960 or earlier. There is some evidence that the change to the QHM as standard in 1956 resulted in an increase of 17γ in the Agincourt H base-line values, and it is possible that the error dates from that time.

For the study of secular change, the discontinuities introduced by the adoption of new observatory standards are most undesirable, and one is tempted to revise the annual means which have been published in the light of the conclusions reached above. However, the values published earlier already contain adjustments to remove discontinuities, and it is considered unwise to attempt any revision until a careful study of the observatory records has been completed.

In summary, the corrections to International Magnetic Standard adopted on January 1, 1964, are as follows:

for D, I.M.S. = Ruska 6513 +0.0′
for H, I.M.S. = QHM 258   −9.3γ
        = QHM 391 −13.0γ
        = QHM 571 −4.2γ
        = QHM 572 −3.9γ
        = QHM 573 −5.9γ
        = Schuster-Smith +1.9γ
for I, I.M.S. = Toepfer 1911 −0.25′
for F, I.M.S. = Proton Precession Magnetometer +0.0γ (4257.60 cps per oersted)

Variometers

Two sets of photographic recorders, by Ruska and la Cour respectively, were operated continuously at the normal sensitivity. The paper speed for the Ruska recorders was 20 mm per hour, and for the la Cour, 15 mm per hour. The Ruska recordings were scaled as standard, while the la Cour records served as auxiliary.

A fluxgate recording magnetometer(7) provided an immediately visible record of D, H, and Z at a scale value of 8.3γ per mm and speed of 20 mm per hour. It served as a low-sensitivity recorder at times of severe magnetic disturbance.

The scale values per millimeter of the photographic variometers during 1964 were:

Ruska

H	5.4γ for all months, except December when it was 5.5γ.
D	1.1′ during the entire year.
Z	5.4γ for all months, except January when it was 5.3 and May and December when it was 5.5γ.

la Cour

H	5.2γ in January; 5.3 the rest of the year.
D	.93′ during the entire year.
Z	15.5γ in January and February; 15.7 during March and April; 16.0 in May; 16.4 in June; and 16.6γ for the rest of the year.

Absolute Observations and Base-line Values

Absolute observations were made at least once a week. Base-line values were adopted by using French curves and getting the best fit to the observed values. The r.m.s. differences of the observed minus the adopted base-line values were 0.3′ for declination, 2γ in the horizontal component, and 1γ in the vertical component.

Notes on the Tables

Greenwich mean time (U.T.) is used throughout.
Table 46 lists the three-hour range indices in D, H, and Z, as well as the K-indices which are sent regularly to the International Association of Geomagnetism and Aeronomy for publication. Copies of K-indices were also supplied monthly to the National Research Council of Canada. The magnetograms were read each month for magnetic phenomena such as sudden commencements, bays, and pulsations, and the results sent to the IAGA.

Disturbance indices, copies of magnetograms, and other magnetic information were supplied on request to mining and industrial interests as well as to educational institutions. Magnetic standards and scientific facilities at Agincourt observatory were put at the disposal of commercial geophysical research establishments and assistance given to their personnel in the calibration of new instruments under development.

Annual Means

Year	D West		H	Z	I North		F
	°	′	γ	γ	°	′	γ
1945	7	27.7	15322	56392	74	48.0	58436
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
1963		23.0	990	121		05.8	354
1964		27.9	16040	083		02.4	331

References

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(2) Jackson, W. E. W., *Record of Observations at the Magnetic Observatories Agincourt and Meanook, 1932-33*, p. 5, Ottawa, 1938.

(3) Serson, P. H., and W. L. W. Hannaford, *A Portable Electrical Magnetometer*, Can. J. Technology, Vol. 1, No. 28, pp. 232-243, 1956.

(4) Smith, F. E., Phil. Trans. Roy. Soc. Vol. 223, pp. 175-200, 1922.

(5) Serson, Paul H., *A Simple Proton Precession Magnetometer*. Report Dominion Observatory, Ottawa, 13 pp., 1962.

(6) Resolution No. 66, Comptes Rendus de la XIIe. Assemblée Generale de l'U.G.G.I., Helsinki, 1960.

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

Table 1   Agincourt   H = 15,500 γ +   January 1964

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	519	515	513	514	512	509	516	518	520	524	525	527	529	529	524	512	509	520	527	525	527	535	531	527	521
2 D	524	522	520	496	476	456	459	479	456	447	487	431	487	490	488	473	444	443	471	481	482	491	492	491	479
3 D	486	485	498	496	496	497	497	498	500	495	496	495	497	498	495	485	469	464	489	498	507	513	509	492	494
4	502	504	509	502	485	504	502	502	493	502	507	507	503	498	496	475	480	477	476	496	499	504	504	511	497
5	504	504	504	502	509	507	502	507	512	514	513	512	511	503	493	486	481	482	491	503	509	512	509	507	503
6	504	504	507	512	511	509	509	504	505	509	509	512	512	510	503	495	487	487	496	506	514	513	517	518	506
7	512	511	509	510	511	510	512	513	512	519	513	512	527	513	508	487	477	482	490	503	512	519	520	516	508
8	512	512	512	512	512	516	508	513	513	513	514	511	517	518	512	504	498	502	510	518	524	531	524	517	514
9	503	509	517	512	502	508	507	506	506	513	513	519	519	518	508	490	486	503	503	496	509	496	523	506	507
10 D	485	499	506	510	506	505	505	508	508	511	509	503	503	508	502	480	479	483	489	493	501	503	508	517	501
11	513	513	508	506	511	509	509	511	509	515	512	511	513	516	503	486	484	486	493	506	508	517	519	518	507
12	508	507	510	512	514	512	511	512	515	517	516	517	517	516	511	500	500	502	510	516	518	517	517	518	512
13	512	512	507	502	510	510	511	513	513	516	516	517	514	511	505	494	488	495	505	512	517	516	517	517	510
14 Q	517	517	517	516	516	515	516	516	516	517	515	517	517	516	504	496	496	505	512	517	522	527	527	524	515
15 Q	521	520	519	517	516	515	516	517	520	520	521	519	519	514	506	501	501	510	518	526	531	534	535	531	519
16 D	529	532	522	522	520	512	504	509	511	504	510	533	521	505	493	457	468	537	494	506	509	510	505	510	509
17	500	490	515	516	511	510	504	498	495	509	504	501	517	515	495	490	489	494	500	506	516	521	521	516	506
18	511	506	504	501	500	506	506	505	508	513	515	516	516	509	502	495	494	500	505	516	522	522	520	517	509
19	516	515	512	510	510	513	517	521	516	515	515	515	516	513	494	482	477	479	494	509	510	522	521	514	509
20	496	504	506	511	516	515	514	515	514	512	511	516	515	512	504	494	489	493	502	509	517	521	521	520	509
21 Q	518	515	513	513	511	516	516	516	517	519	521	521	521	520	512	496	489	495	506	517	526	527	526	526	515
22 Q	523	518	513	516	515	511	510	511	515	521	522	526	526	522	517	508	502	505	515	519	521	526	527	526	517
23	522	519	515	516	520	522	522	523	526	527	528	533	536	532	519	501	493	499	510	517	522	526	527	527	520
24	523	526	522	517	520	521	520	520	522	526	522	522	517	506	515	506	497	489	496	510	515	517	517	511	515
25	511	517	519	522	520	516	522	510	511	515	516	516	517	519	515	506	499	501	508	511	490	489	499	507	511
26	506	509	505	511	510	511	511	514	513	515	515	517	516	511	511	504	497	497	494	495	506	511	514	515	509
27 Q	512	511	515	515	513	513	516	516	516	520	517	517	517	516	508	496	491	497	506	511	517	520	522	526	513
28	527	526	522	521	527	521	515	514	512	516	522	526	523	521	516	506	503	508	512	521	528	531	542	526	520
29	516	501	498	500	508	501	513	509	516	517	522	517	496	504	505	484	472	481	493	500	504	508	511	511	504
30	513	509	499	516	513	516	512	512	511	515	517	521	518	509	504	494	488	495	504	509	519	519	520	521	510
31 D	520	519	519	518	516	521	525	526	526	515	536	550	520	518	514	485	478	466	444	483	492	510	507	509	509
Mean	512	511	511	511	510	510	510	511	511	513	515	515	515	513	506	493	487	493	499	508	513	516	518	516	509

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 2 Agincourt   D = 7° W + ... '   January 1964

Hour U.T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	26.4	26.2	26.3	26.7	26.6	26.6	27.6	27.2	27.1	26.3	26.5	26.2	25.3	25.2	24.2	25.1	28.6	30.6	31.0	29.4	28.3	27.5	26.8	26.6	27.0
2 D	26.0	26.0	25.9	16.7	31.8	19.4	23.3	22.1	29.4	48.7	28.8	41.4	31.8	26.2	26.5	28.7	32.1	35.6	34.0	31.4	26.8	28.7	27.6	25.1	28.9
3 D	23.5	22.1	13.0	22.6	27.6	31.6	29.3	28.4	27.2	29.0	32.7	30.6	29.8	28.4	26.1	25.0	29.3	31.2	31.9	32.0	28.3	28.2	27.6	24.5	27.5
4	24.3	21.7	18.0	22.1	30.1	28.0	30.3	30.3	29.3	29.4	28.1	27.6	27.5	25.4	24.1	24.4	27.9	31.7	32.8	40.1	29.8	28.4	25.7	26.6	27.6
5	26.2	25.0	25.5	25.2	26.1	26.0	26.5	32.4	29.7	27.4	27.2	27.1	26.1	25.2	24.3	25.0	28.4	31.6	32.6	30.5	29.0	28.2	28.2	27.2	27.5
6	26.3	25.7	24.2	23.3	25.6	27.1	27.8	27.8	28.1	28.2	28.5	27.1	26.1	24.1	23.1	24.2	27.5	29.6	30.7	30.4	29.2	28.1	27.4	27.0	27.0
7	26.3	26.2	25.7	25.6	26.3	27.0	28.2	28.6	30.4	28.7	26.2	30.3	29.7	24.0	22.1	24.4	27.4	30.0	31.5	31.7	30.0	28.1	28.0	27.6	27.7
8	26.9	26.2	25.3	26.1	26.3	26.9	27.3	27.2	27.3	26.9	26.8	27.5	25.9	23.1	21.9	24.0	26.2	29.0	30.5	30.6	29.5	29.5	31.1	30.1	27.2
9	30.1	27.3	24.7	24.1	23.8	24.8	25.3	26.0	26.5	26.5	24.9	25.3	23.9	21.8	22.6	27.0	30.3	30.6	30.5	30.9	28.1	31.1	30.1	27.4	26.8
10 D	23.8	16.3	25.6	24.7	24.8	24.7	28.9	25.2	26.5	26.4	26.2	27.3	27.1	23.2	22.9	24.7	27.3	29.4	30.4	30.2	30.0	28.3	27.1	26.8	26.2
11	24.0	25.7	24.3	26.0	26.7	26.8	26.7	27.0	27.0	26.8	26.7	26.3	26.0	25.0	24.8	26.1	28.8	29.4	30.9	30.8	30.4	29.5	27.4	24.8	27.0
12	25.6	23.9	25.6	23.5	26.9	25.7	26.9	26.9	27.5	26.6	26.6	26.0	25.5	23.1	22.8	27.1	28.2	29.9	29.9	28.3	27.9	27.2	26.7	26.4	26.4
13	26.4	26.2	26.0	23.8	25.9	25.8	26.1	26.6	26.6	26.7	26.6	26.3	26.7	25.2	23.6	24.9	27.5	29.8	30.1	28.5	27.8	27.1	26.7	26.9	26.6
14 Q	26.1	25.9	25.7	26.3	26.5	26.9	26.9	26.8	26.5	26.0	26.2	25.8	24.9	23.7	23.8	25.9	28.1	30.1	30.5	40.2	28.7	27.8	27.1	26.3	27.2
15 Q	25.9	25.7	25.7	25.9	26.3	25.7	25.8	25.9	25.7	25.3	26.0	25.8	25.3	24.5	23.5	25.9	27.9	31.1	31.0	39.5	27.6	26.8	25.9	25.7	26.8
16 D	24.9	24.3	25.1	25.4	24.2	25.7	25.4	22.0	23.1	28.5	33.8	33.5	24.3	23.0	24.4	33.3	38.2	34.9	31.9	30.6	29.1	26.8	25.7	25.4	27.6
17	24.4	22.6	21.5	25.9	27.0	27.0	25.7	28.5	29.4	22.8	25.8	29.1	25.0	22.7	22.8	24.5	27.8	29.8	30.6	29.9	29.1	27.5	27.1	26.1	26.3
18	25.7	24.5	22.7	25.4	25.7	27.9	28.6	27.7	28.5	25.7	25.4	25.7	24.4	23.7	24.3	26.4	28.9	30.0	29.8	28.6	27.3	26.4	25.8	25.7	26.5
19	25.7	25.7	25.8	25.7	26.0	26.9	28.0	28.5	26.8	25.6	25.7	26.1	24.9	23.5	23.1	24.8	28.7	32.9	34.3	31.5	30.0	27.9	26.4	25.9	27.1
20	24.3	25.4	24.9	22.7	24.5	26.7	27.5	28.0	27.5	26.4	27.9	25.8	25.6	22.8	22.5	26.4	27.8	30.3	30.9	29.8	28.6	27.5	26.8	26.2	26.5
21 Q	25.7	25.1	24.5	25.2	25.7	26.5	26.5	26.9	26.8	26.4	26.2	25.9	25.5	23.9	22.5	24.1	27.0	29.1	30.0	29.2	28.5	27.4	26.7	26.5	26.3
22 Q	26.2	25.6	23.7	26.1	25.6	25.6	25.8	26.4	26.7	26.9	26.5	26.7	25.9	25.4	24.4	22.9	23.7	26.4	29.4	29.8	28.7	27.9	27.4	26.7	26.3
23	26.0	26.0	26.0	25.8	26.2	26.6	26.9	26.9	26.6	26.3	26.0	25.5	24.5	22.8	22.6	22.9	26.5	30.2	30.1	29.9	29.0	28.6	27.7	27.6	26.6
24	26.9	26.2	25.4	24.9	23.9	24.7	26.4	26.9	26.0	25.8	27.6	29.2	29.8	27.9	25.6	24.6	25.7	29.5	30.8	29.9	30.1	29.5	28.9	28.7	27.4
25	27.3	26.5	26.0	25.9	24.8	24.7	25.8	24.6	25.9	26.7	27.8	28.2	26.2	24.0	23.0	24.4	26.0	27.9	29.3	30.9	32.4	30.4	32.2	29.0	27.1
26	27.6	26.3	21.0	26.5	26.9	27.1	27.9	27.5	27.5	27.3	27.1	26.1	25.3	24.1	23.2	25.1	27.7	28.4	29.1	29.5	30.2	29.1	27.9	27.1	26.9
27 Q	26.5	24.6	26.3	26.3	26.4	26.7	27.2	27.2	27.3	27.2	27.2	25.9	26.4	25.3	24.1	25.9	28.2	29.7	30.3	29.4	28.8	27.8	27.2	27.0	27.1
28	27.0	26.3	26.1	26.2	25.7	30.3	27.8	28.3	27.5	28.1	28.1	27.5	26.5	24.3	24.4	24.6	27.6	29.3	29.3	29.2	28.8	30.4	28.2	28.8	27.5
29	27.4	28.4	24.3	24.4	24.3	28.2	23.8	24.2	25.6	29.8	26.4	27.2	37.7	34.4	30.3	28.4	32.4	31.9	30.5	30.2	30.4	29.3	28.4	27.7	28.6
30	27.4	26.8	22.9	26.4	26.4	27.4	29.2	29.4	29.0	27.4	28.4	28.1	26.3	24.2	22.1	25.4	27.7	27.7	28.0	28.5	29.2	28.3	27.5	27.0	27.1
31 D	26.6	26.7	26.7	27.2	27.5	27.5	28.4	28.2	26.5	29.7	28.8	28.0	30.9	24.5	22.2	23.9	26.4	29.9	31.2	33.3	31.9	29.4	28.3	26.8	27.9
Mean	26.0	25.2	24.3	24.9	26.2	26.5	27.0	27.1	27.3	27.7	27.3	27.7	26.8	24.7	23.8	25.5	28.2	30.2	30.8	31.1	29.1	28.3	27.6	26.8	27.1

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

Table 3   Agincourt   Z=56,000 γ +   January 1964

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	114	115	115	114	113	113	112	112	113	110	110	110	109	109	108	108	109	105	107	108	109	109	108	109	110
2 D	107	108	107	103	79	50	50	80	34	-77	-36	-13	83	107	106	107	117	130	135	136	139	130	126	127	85
3 D	120	125	117	113	114	107	103	108	107	109	103	107	114	119	113	112	111	119	123	121	125	119	119	123	115
4	123	117	112	101	108	101	108	108	109	114	112	113	113	117	114	115	115	115	117	121	120	121	121	121	114
5	119	118	118	117	111	112	109	98	97	107	112	113	113	114	110	107	107	111	114	117	119	118	117	117	112
6	114	114	113	113	113	112	109	108	109	111	113	113	113	114	110	106	105	110	115	115	116	113	113	113	112
7	113	113	113	113	109	110	110	108	106	99	103	104	104	108	108	101	107	109	114	119	117	113	113	115	110
8	114	114	113	113	112	111	109	109	111	110	109	109	109	110	107	107	106	108	112	112	113	112	112	115	111
9	125	124	119	116	114	113	114	112	109	103	107	112	109	108	104	102	106	109	112	113	118	119	133	128	114
10 D	134	132	124	118	109	81	81	103	108	111	109	109	109	107	103	104	103	106	113	114	117	117	119	119	110
11	118	117	118	115	123	115	114	113	111	109	110	110	114	115	109	107	108	112	116	119	119	118	115	117	114
12	116	119	116	114	112	113	112	112	112	113	113	113	113	112	108	104	106	107	106	107	109	111	111	112	111
13	112	112	112	110	112	111	111	109	109	108	109	109	110	110	107	104	102	100	102	103	108	109	109	111	108
14 Q	110	108	108	107	107	107	107	108	107	107	107	107	108	107	102	103	106	105	107	107	108	107	107	106	107
15 Q	107	107	107	106	105	106	106	107	105	104	106	106	106	106	107	102	97	102	106	105	105	106	103	102	105
16 D	102	102	106	108	106	109	106	100	103	100	29	36	65	90	91	94	104	108	118	115	112	111	112	113	97
17	113	117	110	105	108	105	100	67	80	95	83	88	98	100	97	100	101	104	106	108	109	105	104	104	100
18	105	105	105	105	103	101	100	104	105	100	103	104	105	105	100	101	103	104	105	106	108	105	105	105	104
19	103	103	103	102	102	101	100	98	98	99	99	101	103	104	100	98	99	102	105	109	109	105	104	104	102
20	104	104	103	99	98	98	98	98	97	97	98	99	100	101	94	94	98	101	103	104	104	103	103	102	100
21 Q	102	101	102	100	100	99	99	101	102	102	101	100	102	100	97	92	95	99	101	102	104	103	101	100	100
22 Q	98	97	97	97	96	97	96	96	98	98	98	98	97	97	96	96	97	100	100	100	98	97	98	97	97
23	97	97	97	98	97	97	97	97	96	96	96	95	95	95	95	90	90	91	93	97	98	96	96	96	95
24	97	97	97	102	101	98	97	96	95	93	92	89	90	91	92	91	90	91	97	101	102	104	106	106	96
25	105	104	103	104	100	99	83	89	96	96	97	97	98	99	96	92	91	95	99	104	104	115	114	111	99
26	108	107	106	101	100	99	99	99	98	97	98	98	100	99	96	90	94	96	96	103	106	104	101	102	100
27 Q	100	100	100	99	98	99	97	98	99	99	99	99	99	98	94	92	96	103	103	98	100	100	100	99	99
28	95	94	94	95	93	89	91	93	93	94	94	94	96	97	93	87	90	97	98	96	98	95	94	94	94
29	98	104	105	110	102	89	64	89	89	84	79	85	82	79	82	88	97	100	102	102	100	104	103	103	93
30	99	98	99	98	97	93	93	89	84	87	88	93	94	94	89	87	92	94	96	93	97	97	97	93	93
31 D	94	93	93	93	92	92	91	89	88	82	54	40	60	80	82	82	88	90	105	111	104	104	102	102	88
Mean	109	109	107	106	104	101	99	100	99	95	93	95	100	103	100	99	101	104	107	109	110	109	109	109	103

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

Table 4   Agincourt   H = 15,500 γ +   February 1964

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		504	500	509	519	521	515	514	515	515	510	515	516	516	515	515	505	496	497	499	500	505	510	516	511	510
2		510	516	515	515	518	515	516	516	520	520	523	526	526	526	516	503	494	487	494	498	505	515	520	521	513
3	Q	520	518	516	515	516	518	518	518	516	520	522	525	526	525	521	514	499	493	500	514	525	527	526	526	517
4		526	523	523	521	526	526	527	520	505	515	519	520	518	507	504	502	493	492	500	509	515	515	516	523	514
5		521	520	518	516	510	519	520	518	519	519	521	521	521	518	510	503	497	496	504	515	530	514	482	498	513
6	D	507	498	502	500	505	516	498	508	498	497	514	515	507	518	510	492	488	487	490	496	510	519	505	516	504
7		518	516	509	509	502	505	505	509	505	492	510	520	516	521	519	510	491	479	503	509	514	515	509	514	508
8	D	512	533	515	516	518	511	510	514	514	515	519	521	520	516	509	489	482	489	502	509	510	509	487	476	508
9		493	498	500	507	510	509	508	508	503	509	508	510	514	507	499	492	483	482	496	504	510	512	516	513	504
10		514	513	509	509	514	520	516	515	514	514	515	517	520	514	503	496	489	489	497	513	521	510	515	516	511
11	Q	515	515	515	513	515	515	515	516	516	515	517	520	520	520	516	508	503	506	511	518	522	526	522	521	516
12		522	522	521	525	526	522	531	526	533	526	515	527	528	516	499	496	493	490	500	510	515	522	522	521	517
13	D	515	518	500	520	487	486	479	518	526	523	501	495	528	532	504	472	521	478	496	499	491	506	506	515	505
14		518	517	514	502	519	516	518	517	517	518	517	516	520	523	516	502	497	496	502	512	516	522	522	512	514
15		519	522	522	521	520	518	523	519	523	523	525	527	528	520	517	507	497	498	498	508	518	523	527	527	518
16	Q	523	522	522	523	523	525	526	532	528	527	525	524	531	527	521	504	494	496	507	513	517	523	522	522	520
17		522	521	521	522	524	525	528	528	530	528	528	533	535	533	524	517	508	497	497	497	517	529	533	530	522
18	Q	528	529	529	530	529	528	532	530	530	525	524	532	533	535	524	513	501	504	508	513	517	522	529	531	524
19	Q	529	528	519	522	524	525	528	528	529	529	529	529	529	529	522	515	507	502	503	508	520	528	533	533	523
20		533	533	533	533	533	533	536	540	540	544	542	546	551	552	540	508	515	510	516	511	523	529	502	492	529
21		502	508	495	498	513	506	507	506	503	507	519	522	513	522	515	499	483	480	488	505	510	518	521	519	507
22		519	518	517	519	519	522	519	519	519	519	518	521	525	519	508	507	502	501	501	511	512	513	512	514	515
23		520	519	523	523	524	524	524	528	528	529	529	534	530	528	521	512	508	502	499	517	523	524	525	528	522
24		527	527	525	524	521	518	523	525	523	532	537	537	531	528	528	522	516	514	517	527	532	529	520	527	525
25	D	529	525	522	518	518	522	525	532	530	528	521	539	538	533	527	520	510	491	490	495	514	518	517	518	520
26	D	516	517	506	531	506	505	517	520	517	520	509	506	528	517	504	492	497	503	511	521	529	527	526	510	514
27		514	521	508	516	517	517	520	520	520	521	521	517	515	515	508	506	500	495	485	511	523	532	532	526	515
28		521	512	505	511	523	539	526	517	522	516	515	528	520	510	510	506	500	515	520	522	531	532	531	527	519
29		527	526	521	515	509	513	522	521	519	522	522	521	522	521	516	503	497	500	511	527	533	531	527	526	519
30																										
31																										
Mean		518	518	515	517	517	518	518	520	519	519	520	523	524	522	515	504	499	495	502	510	518	521	518	518	515

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 5 Agincourt

$D = 7° W + \ldots'$

February 1964

Hour U.T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	27.2	26.6	25.6	27.6	28.7	28.3	27.8	28.2	28.3	29.1	28.6	27.5	26.2	24.4	23.8	24.4	26.3	28.3	30.6	31.0	30.4	27.6	27.5	25.5	27.5
2	22.3	26.3	26.3	26.9	27.1	28.5	29.2	29.3	27.5	29.0	28.4	27.1	26.7	26.2	25.5	27.5	29.0	31.1	31.6	30.9	30.4	29.0	27.6	27.4	28.0
3 Q	26.9	26.9	26.9	26.5	26.5	27.4	27.6	28.0	27.7	27.9	27.1	27.0	26.3	25.0	24.1	23.4	25.5	29.7	32.2	32.0	30.5	28.5	28.2	27.4	27.5
4	27.1	26.5	26.2	24.0	26.5	27.4	27.1	26.1	30.8	27.4	23.8	25.2	25.0	26.2	29.2	27.4	29.7	30.6	31.6	31.1	30.5	29.7	28.6	27.4	27.7
5	26.8	26.1	24.9	24.2	24.2	26.0	27.4	28.2	27.6	26.8	26.4	26.0	25.0	23.4	22.8	24.3	27.3	30.0	31.0	30.3	30.8	31.7	30.3	28.6	27.1
6 D	26.9	16.8	19.6	24.4	26.5	30.5	25.2	30.8	29.6	37.0	27.1	24.4	27.2	26.4	26.6	25.5	29.0	29.4	31.9	31.1	29.0	28.8	28.8	27.6	27.5
7	27.1	26.5	25.2	16.7	23.4	23.4	24.5	26.3	27.4	32.8	30.5	25.2	25.5	23.3	22.7	24.2	28.3	34.2	34.9	33.2	31.8	30.8	30.8	27.1	27.3
8 D	26.3	21.3	26.2	26.6	26.5	26.5	27.5	26.8	26.7	27.7	26.9	26.4	26.1	24.4	23.5	23.8	28.2	32.4	33.6	32.7	31.6	32.8	34.9	28.5	27.8
9	23.0	23.6	24.3	25.5	26.4	26.3	26.2	26.2	25.3	26.2	25.8	26.4	26.8	25.5	24.3	24.3	27.0	28.9	30.5	30.5	29.8	29.4	28.4	25.5	26.5
10	25.3	26.7	26.6	25.7	27.2	28.7	27.5	27.5	27.6	28.7	27.8	27.5	26.0	24.5	23.9	24.9	28.1	29.4	29.9	29.9	30.0	31.1	29.5	29.8	27.7
11 Q	28.7	28.0	27.6	26.8	26.7	27.1	27.8	28.3	26.7	26.1	26.3	26.6	26.7	25.3	24.5	25.7	28.4	29.9	30.8	30.6	29.8	28.9	28.6	27.9	27.7
12	27.6	27.4	26.0	26.3	26.8	28.4	28.8	25.6	26.1	23.1	25.8	26.4	25.4	24.3	27.1	26.1	27.3	30.6	30.6	30.0	29.6	29.4	29.2	28.6	27.4
13 D	27.6	25.9	16.8	8.6	15.0	23.5	30.9	29.6	25.6	25.2	27.3	34.7	28.6	28.6	24.6	28.6	31.2	32.3	32.2	33.8	32.6	29.6	28.0	27.7	27.0
14	27.4	26.8	27.5	23.7	22.6	28.0	28.6	28.5	29.5	27.7	27.4	27.9	27.5	24.6	24.3	26.6	28.0	29.9	30.9	30.8	30.0	29.3	29.9	28.7	27.8
15	28.0	27.8	27.2	27.8	27.9	27.9	28.0	30.9	29.5	27.7	26.1	26.4	25.8	26.7	24.7	23.8	26.4	29.0	30.9	31.9	30.8	30.0	28.9	27.8	28.0
16 Q	27.8	27.9	27.9	27.8	28.0	28.3	28.6	29.0	27.4	27.5	27.2	28.8	26.5	24.6	23.4	24.7	28.0	29.6	30.9	31.1	30.9	30.2	29.0	27.9	28.0
17	27.5	27.1	26.7	25.9	26.8	27.8	28.1	28.9	28.1	28.7	28.2	26.2	25.8	23.9	24.9	25.1	26.9	30.0	31.5	31.7	31.8	30.8	29.2	28.3	27.9
18 Q	27.8	27.8	27.6	27.8	27.6	27.8	28.1	27.5	27.8	27.9	28.6	26.8	25.4	23.8	23.4	25.8	28.7	32.0	32.9	31.5	32.1	31.5	29.8	28.4	28.2
19 Q	27.8	27.3	27.2	26.7	27.0	27.5	27.8	28.2	28.6	28.1	27.6	26.9	25.8	24.5	23.3	24.0	26.7	29.4	31.3	31.5	31.3	30.8	29.6	28.6	27.8
20	27.9	27.5	27.3	27.3	27.2	27.5	27.5	27.1	27.0	26.7	25.9	24.5	22.6	20.3	18.0	21.7	28.8	30.4	33.5	32.2	30.9	32.0	36.4	37.0	27.8
21	33.3	29.5	24.9	24.0	19.3	23.7	26.8	27.0	30.9	32.3	29.0	27.9	30.2	26.4	23.5	23.0	25.6	28.2	29.0	30.6	31.6	30.6	29.3	29.0	27.7
22	28.1	27.9	26.8	26.0	26.8	27.7	27.6	28.2	29.8	28.2	27.2	26.8	25.7	24.5	24.6	23.9	26.9	29.5	30.9	30.2	30.2	30.1	29.7	29.3	27.8
23	28.8	28.0	27.1	27.0	26.0	26.1	28.2	29.5	27.3	28.1	27.9	27.6	26.6	24.9	24.6	25.9	28.1	31.0	32.3	29.9	28.9	28.8	29.3	28.8	27.9
24	28.1	27.9	27.9	28.0	26.7	27.6	28.1	27.7	27.6	27.0	25.6	25.1	26.3	25.0	24.5	25.7	28.0	30.1	31.1	31.0	30.2	28.9	29.1	27.9	27.7
25 D	27.4	27.0	25.7	26.6	26.9	25.5	28.7	28.6	26.6	26.0	33.1	28.1	24.9	24.8	24.3	24.9	27.4	31.4	36.2	32.9	31.1	32.1	29.5	28.1	28.2
26 D	27.7	26.9	27.0	16.5	22.6	27.7	28.7	29.1	28.7	26.9	29.9	42.7	38.6	26.0	24.9	26.7	29.1	30.5	31.4	30.9	29.8	28.5	28.1	28.9	28.7
27	24.5	24.6	26.0	28.0	28.0	28.1	28.6	28.3	28.3	28.5	27.7	26.6	25.5	25.5	28.0	30.3	32.2	33.1	33.3	32.3	29.1	28.2	27.9	27.9	28.3
28	28.0	26.7	22.9	26.0	26.7	27.0	28.2	25.6	27.4	28.7	31.8	27.9	26.1	26.6	26.6	26.8	30.6	32.4	32.9	32.7	31.2	29.7	28.7	28.3	28.3
29	28.0	28.0	27.0	22.6	26.2	31.4	31.0	26.8	29.0	28.0	27.0	26.8	24.9	23.4	23.2	25.0	28.1	31.4	32.3	31.6	29.9	28.7	28.0	27.7	27.7
30																									
31																									
Mean	27.3	26.5	25.8	24.9	25.8	27.3	27.9	28.0	27.9	28.1	27.7	27.5	26.5	24.9	24.4	25.3	28.1	30.5	31.8	31.4	30.6	29.9	29.4	28.3	27.7

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

Table 6   Agincourt   Z=56,000 γ +   February 1964

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	105	107	103	91	86	90	95	96	96	91	95	96	96	97	93	92	94	93	93	99	104	106	104	101	97
2	101	100	97	96	96	95	93	93	95	91	89	89	90	90	90	85	88	90	91	94	97	100	97	96	93
3 Q	96	96	96	96	95	96	96	96	96	95	95	94	96	94	91	90	89	87	89	95	97	97	96	97	94
4	96	97	96	95	96	95	94	90	84	69	86	91	96	96	92	87	89	93	95	96	101	100	100	100	93
5	96	96	96	96	98	100	99	99	99	96	95	94	94	91	87	84	84	85	91	90	95	101	119	115	96
6 D	109	110	99	100	96	46	15	67	60	61	53	78	87	96	91	88	91	92	96	100	105	100	100	101	85
7	100	100	100	94	91	95	89	87	80	68	69	86	94	95	93	88	88	93	94	98	100	101	105	106	92
8 D	107	96	99	99	95	95	95	95	95	91	94	94	95	96	94	87	89	92	89	98	106	132	144	137	101
9	141	135	130	118	99	102	101	98	96	87	85	97	99	100	96	94	96	100	104	106	95	104	103	103	104
10	103	103	102	102	101	99	99	101	101	100	99	100	99	98	95	90	91	94	97	101	101	106	102	103	99
11 Q	103	102	100	97	97	96	97	95	95	96	96	96	96	96	91	86	86	88	93	97	100	100	99	96	96
12	97	97	96	95	94	92	81	82	94	87	88	91	91	91	86	84	83	87	91	93	96	98	98	97	91
13 D	103	101	98	65	59	70	16	35	75	87	71	57	79	75	76	74	84	99	104	105	103	103	103	103	81
14	98	98	98	98	90	97	97	93	90	92	93	93	97	97	91	86	88	92	97	98	97	99	103	103	95
15	103	100	100	98	95	95	91	90	84	92	93	94	97	94	93	86	84	88	91	96	99	99	99	97	94
16 Q	97	97	97	96	93	94	93	91	88	93	94	94	95	93	92	89	90	92	94	95	100	101	99	99	95
17	99	99	99	98	95	97	95	94	89	89	92	93	95	96	96	93	85	84	87	92	98	102	101	98	94
18 Q	95	95	95	95	94	94	91	92	94	93	92	92	93	91	89	84	84	89	94	97	99	98	98	96	93
19 Q	96	96	96	98	95	95	95	95	94	92	95	95	96	96	95	92	93	94	96	99	101	100	100	96	96
20	96	96	96	96	96	95	96	92	92	93	92	93	90	87	81	82	86	88	98	103	96	102	127	156	97
21	157	155	140	129	112	99	102	97	91	91	95	96	102	106	103	97	96	101	106	105	107	105	108	107	109
22	106	106	105	106	104	103	102	101	96	96	97	102	104	103	101	100	99	102	103	105	106	107	108	107	103
23	106	106	104	103	102	97	96	93	97	97	98	101	99	97	96	95	93	97	102	103	106	104	104	103	100
24	103	102	102	102	102	103	103	102	100	98	99	98	100	98	93	91	93	98	104	103	104	104	103	103	100
25 D	103	102	103	103	102	98	96	92	93	95	95	92	95	93	91	91	91	92	103	131	119	110	104	104	100
26 D	104	103	107	81	78	102	92	95	97	93	86	69	65	82	90	91	93	93	96	95	97	97	102	103	92
27	107	97	103	102	102	102	102	100	101	98	99	98	99	98	92	88	84	87	93	101	103	106	102	102	99
28	102	103	107	104	91	70	65	77	93	88	91	92	94	93	89	87	92	93	97	98	103	102	101	98	93
29	100	100	100	96	98	90	82	91	97	97	97	100	103	103	99	95	96	101	104	108	109	107	104	103	99
30																									
31																									
Mean	104	103	102	98	95	93	89	91	92	90	90	92	94	95	92	89	90	93	96	100	102	103	105	104	96

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

Table 7   Agincourt   H = 15,500 γ +   March 1964

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		526	525	525	526	526	525	525	525	527	530	529	529	524	519	507	499	494	496	503	512	525	531	532	532	521
2	Q	530	530	529	529	530	526	526	528	529	529	529	529	529	521	514	507	504	509	519	526	535	538	536	531	526
3		529	530	529	524	520	520	521	525	529	531	534	536	535	525	514	501	499	503	514	525	529	531	519	535	523
4	D	537	521	474	477	467	451	486	493	491	494	491	460	477	481	489	467	447	435	447	488	493	524	513	493	483
5	D	495	522	515	498	504	507	503	502	507	512	508	508	492	491	475	475	480	486	480	494	483	499	506	520	498
6		511	508	515	515	509	509	513	509	508	499	515	513	504	495	487	472	477	486	496	507	511	517	524	520	505
7		515	519	515	514	513	517	517	513	513	509	514	513	512	508	498	492	487	493	498	502	504	514	522	515	509
8		501	513	513	509	511	514	518	504	502	508	510	513	519	512	499	509	509	511	518	520	524	523	514	518	512
9		514	518	522	521	515	508	511	513	519	512	516	518	518	514	510	509	514	522	525	529	529	525	525	524	518
10		525	524	521	520	520	521	522	521	521	520	520	520	516	510	505	501	509	516	527	534	540	536	529	527	521
11		530	527	526	521	529	525	520	516	510	514	522	523	520	510	504	506	517	522	526	531	535	535	532	532	522
12		533	523	511	470	480	490	500	517	509	521	525	521	515	506	498	495	501	510	515	520	532	534	528	525	512
13		522	522	522	523	521	522	520	517	520	527	527	522	527	521	508	501	504	511	520	529	535	533	531	529	521
14		527	526	531	526	522	530	531	527	531	529	526	522	520	512	500	494	499	504	506	522	510	520	531	530	520
15		527	521	524	522	521	527	529	531	528	531	530	530	526	515	497	473	484	495	506	511	527	527	529	527	518
16		521	516	531	530	526	526	527	530	530	532	533	536	532	521	506	505	503	515	526	537	543	542	539	542	527
17		544	538	530	534	533	529	518	517	528	526	521	517	532	521	506	492	497	503	515	523	529	534	535	533	523
18	Q	534	533	534	533	532	534	534	532	528	532	528	529	527	517	500	493	492	498	511	524	534	545	545	543	525
19	Q	538	537	535	534	535	533	532	535	534	539	539	538	533	528	516	501	491	498	510	522	535	549	555	549	530
20		541	543	544	542	537	537	534	538	537	537	542	539	527	519	506	490	489	496	508	505	529	542	547	542	528
21		526	516	507	501	499	501	510	517	522	527	530	531	527	522	510	501	499	513	532	536	526	534	528	531	518
22	D	531	531	530	527	530	530	530	533	534	527	532	536	537	526	500	522	516	519	516	509	499	518	498	508	522
23	D	507	512	519	531	546	519	518	502	504	509	459	519	521	509	503	498	482	502	512	515	522	531	526	524	512
24		524	527	519	510	507	524	508	520	528	519	519	529	514	509	512	488	490	495	519	520	524	525	526	529	516
25		525	524	510	526	525	519	520	524	530	526	525	529	524	513	503	504	506	509	515	519	534	532	532	531	521
26		529	543	529	531	525	513	515	522	524	524	523	526	522	515	507	504	503	510	518	527	533	530	531	529	522
27		529	526	529	528	526	529	527	530	529	530	529	524	516	502	494	499	513	529	537	542	539	529	533	533	525
28	Q	531	531	531	531	531	531	533	533	534	535	533	531	525	520	508	499	501	510	520	532	536	537	536	535	527
29		536	535	535	535	536	536	535	536	536	540	536	535	533	524	512	500	497	499	509	524	542	546	542	545	529
30	D	542	536	536	520	493	493	482	503	509	519	532	530	526	518	498	473	468	460	495	514	525	525	526	525	510
31	Q	524	522	520	519	520	524	522	524	524	522	524	520	518	508	493	488	492	502	516	532	541	537	537	536	519
Mean		526	526	523	520	519	518	519	521	522	523	523	523	521	513	503	495	496	502	512	520	526	530	529	529	518

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 8 Agincourt   D = 7°W + ...'   March 1964

Hour U.T. / Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	27.2	27.2	26.2	26.9	27.5	28.0	27.7	28.0	27.5	26.4	26.3	26.1	25.3	22.3	21.9	23.2	27.0	29.5	30.6	30.5	30.2	28.4	27.6	27.2	27.0
2 Q	27.0	26.6	26.8	26.8	26.3	27.5	27.7	28.2	28.4	27.0	26.8	26.1	24.5	23.3	23.2	24.7	27.5	30.8	32.3	31.7	30.2	28.5	27.6	27.3	27.4
3	26.5	26.5	26.8	26.8	25.4	26.0	26.2	26.5	26.4	27.0	26.4	24.6	22.2	20.1	19.8	23.7	27.4	30.5	32.1	32.3	32.4	31.5	29.2	28.4	26.9
4 D	27.3	27.5	22.2	20.1	18.0	17.8	27.6	22.2	27.3	31.7	23.9	36.7	32.5	29.3	27.3	27.6	32.5	35.2	35.6	36.9	35.6	26.2	27.3	28.4	28.2
5 D	20.7	9.9	20.1	26.1	27.3	28.1	29.3	33.9	28.3	23.1	25.3	25.4	27.6	27.3	27.1	30.0	31.7	33.5	33.5	33.3	33.8	27.5	30.6	20.9	27.3
6	27.5	27.9	25.4	25.1	27.2	30.7	29.2	27.6	29.2	30.5	29.4	24.2	23.2	24.4	25.0	27.1	28.3	30.5	30.3	30.5	31.8	30.5	29.3	27.5	28,0
7	24.3	20.2	26.5	26.2	26.4	27.2	26.5	26.5	26.4	27.7	27.4	26.2	23.8	21.3	22.3	25.1	28.4	30.6	33.4	33.6	33.9	32.3	31.0	30.5	27.4
8	28.2	28.7	20.4	23.6	26.3	25.5	26.5	24.4	32.8	25.1	24.4	27.2	23.5	22.3	23.4	25.4	26.1	28.0	29.4	30.1	30.4	30.5	26.4	28.4	26.5
9	28.5	28.3	24.6	25.6	20.9	27.1	28.7	31.0	25.8	27.2	26.6	25.9	25.6	25.5	26.3	28.3	29.4	30.3	30.5	29.5	28.7	28.4	28.3	28.4	27.5
10	28.4	28.2	27.8	27.5	27.2	27.5	27.6	27.5	27.5	25.6	26.6	25.6	24.4	23.6	25.2	28.5	32.3	35.6	35.0	32.3	30.6	28.7	28.7	28.5	28.3
11	28.4	28.1	27.8	28.4	27.8	26.5	35.8	30.7	27.6	28.0	23.5	24.3	24.0	24.6	26.5	28.1	30.7	32.6	32.6	30.7	28.8	27.4	26.8	27.4	28.2
12	27.6	28.4	25.2	13.7	27.9	27.6	27.8	27.8	26.8	30.7	24.4	24.2	24.5	24.4	26.3	30.0	31.0	32.0	32.0	30.8	29.6	27.7	27.2	27.6	27.3
13	27.3	27.6	26.3	24.0	26.6	27.8	27.4	27.7	28.8	27.6	27.9	26.9	24.4	22.3	23.6	26.1	28.9	30.9	32.4	31.8	30.6	28.8	27.9	27.6	27.5
14	27.2	25.9	27.4	27.9	27.7	27.8	28.8	27.7	27.4	24.7	25.3	26.6	24.6	22.6	24.8	29.9	33.1	34.6	35.9	35.1	34.7	31.6	28.7	27.4	28.6
15	26.6	26.5	21.6	23.8	27.4	30.7	31.6	28.1	27.7	27.8	26.6	25.3	22.6	21.3	22.7	29.5	32.9	36.0	37.7	36.9	33.1	30.7	28.1	27.3	28.4
16	25.9	26.7	25.9	25.6	26.4	28.1	29.0	28.2	27.1	27.8	27.8	24.8	22.5	21.4	22.3	27.0	31.0	33.1	34.4	33.9	32.6	30.8	29.1	29.0	27.9
17	28.9	28.6	27.6	25.5	24.7	25.8	27.8	33.8	26.5	25.6	28.2	31.7	26.5	23.8	24.8	28.5	31.7	33.6	34.6	33.6	32.1	30.0	28.6	28.0	28.8
18 Q	27.9	27.8	27.6	27.9	28.0	27.9	27.5	28.6	28.1	27.1	26.7	26.6	23.7	23.2	24.6	27.3	30.1	32.2	33.0	32.7	31.3	29.6	28.5	28.2	28.2
19 Q	27.8	27.3	27.5	27.6	27.8	27.0	27.5	26.7	28.9	26.8	26.7	25.5	24.0	22.7	22.6	24.6	28.7	32.1	33.6	33.5	32.5	30.9	28.7	28.1	27.9
20	28.2	27.9	27.6	27.6	26.7	27.5	25.1	23.6	23.3	21.9	23.4	22.7	22.8	22.9	23.4	28.3	33.2	35.5	36.2	37.4	34.9	30.9	28.7	27.9	27.8
21	26.7	20.8	24.3	24.3	21.4	21.1	22.4	24.8	25.0	26.2	26.1	26.4	23.8	21.5	21.4	24.9	28.7	32.2	34.5	35.8	34.7	32.9	29.7	28.3	26.6
22 D	27.0	28.0	28.4	27.7	27.7	27.7	27.4	26.8	27.5	27.6	27.6	26.9	24.5	20.8	24.8	33.4	32.9	34.1	34.8	38.6	34.5	33.1	30.9	27.9	29.2
23 D	29.1	28.7	27.6	26.0	28.9	25.7	24.3	30.2	32.2	30.9	49.9	32.4	25.3	24.7	24.8	27.4	31.2	32.1	32.7	31.0	31.8	30.9	27.3	27.5	29.7
24	28.0	27.9	26.8	22.2	28.5	25.4	25.9	32.7	27.4	27.6	30.2	28.2	28.1	29.1	30.1	32.2	33.2	34.5	31.2	31.3	30.6	29.7	29.0	29.5	29.1
25	29.9	27.1	22.4	29.7	29.5	29.8	30.1	32.1	27.0	25.9	27.0	26.7	25.3	24.9	26.0	29.7	31.4	33.8	34.1	32.5	31.1	30.3	27.6	29.0	28.9
26	25.6	24.5	28.0	30.7	26.0	25.7	29.6	30.3	26.6	27.7	27.7	25.9	24.8	24.7	24.6	27.9	30.6	32.9	33.9	33.1	31.6	29.7	28.9	28.6	28.3
27	28.5	28.1	28.2	28.7	28.2	28.2	27.9	29.7	26.9	26.7	26.7	25.7	24.3	23.7	24.7	28.6	33.5	36.1	35.1	32.9	30.2	28.2	27.7	28.3	28.6
28 Q	28.4	28.2	28.2	28.1	28.1	28.2	28.2	28.0	27.7	27.0	26.9	25.9	23.9	23.5	23.7	25.3	29.0	32.3	33.9	33.1	31.0	29.6	28.8	28.5	28.1
29	28.6	28.6	28.5	28.5	28.2	28.1	28.1	28.0	27.9	27.6	26.8	25.9	24.5	22.8	22.6	25.5	29.0	31.7	34.0	34.0	32.9	31.2	29.1	28.6	28.4
30 D	28.1	28.2	27.6	26.8	19.8	27.5	30.3	24.5	20.6	19.7	20.3	21.3	22.8	24.0	24.8	29.5	33.8	42.1	40.8	36.7	33.3	30.9	28.7	28.7	27.9
31 Q	28.9	28.7	28.6	28.8	29.0	28.8	28.1	27.9	26.9	27.0	26.9	26.0	24.1	23.4	24.7	28.3	31.3	34.4	36.0	35.4	34.8	32.9	30.9	29.7	29.2
Mean	27.4	26.6	26.1	26.0	26.4	27.0	28.0	28.2	27.3	26.9	27.1	26.4	24.6	23.6	24.4	27.6	30.5	33.0	33.7	33.3	32.1	30.0	28.6	28.0	28.0

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

Table 9   Agincourt   Z=56,000 γ +   March 1964

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	101	100	99	99	96	95	95	96	95	95	95	97	98	98	95	90	88	92	97	100	103	101	98	98	97
2 Q	96	95	95	95	93	94	94	93	91	91	94	95	95	93	91	89	87	87	91	93	96	96	95	94	93
3	94	94	94	93	92	91	91	93	93	92	94	94	95	92	90	88	85	85	86	89	93	97	102	98	92
4 D	95	97	116	123	90	27	69	93	90	74	52	48	54	85	95	96	100	119	141	136	132	165	132	139	99
5 D	128	96	90	108	105	104	86	75	63	78	95	95	88	92	86	96	98	101	110	117	136	137	123	113	101
6	110	106	100	87	100	95	91	94	90	85	83	91	95	96	95	95	103	97	99	102	104	103	104	104	97
7	103	100	104	106	104	100	97	95	94	95	96	96	99	95	94	95	95	95	97	104	104	103	105	106	99
8	111	110	106	104	106	100	92	81	49	48	67	69	78	88	89	93	93	94	96	99	101	101	105	103	91
9	103	102	99	91	86	100	93	87	87	89	92	96	97	98	95	95	95	95	93	93	95	96	96	95	95
10	95	95	94	94	94	94	96	92	92	93	93	93	92	92	89	83	84	87	93	98	103	99	98	96	93
11 Q	95	93	94	93	94	91	77	75	81	75	77	87	89	91	92	88	90	91	95	94	96	92	92	92	89
12	92	92	91	83	82	62	67	93	94	77	89	97	97	92	92	91	97	97	97	94	93	94	92	93	90
13	93	93	92	91	91	90	88	88	87	86	90	89	92	87	87	84	85	87	90	93	96	97	96	95	90
14	92	93	91	90	91	87	87	90	86	86	88	90	86	84	82	83	87	90	92	98	101	101	100	96	90
15	94	95	91	88	89	79	83	88	90	89	90	90	89	88	86	90	94	95	100	101	104	99	96	95	92
16	96	97	91	83	89	90	90	89	90	89	89	89	89	89	85	82	83	86	90	91	90	90	89	88	89
17	87	88	88	84	78	82	78	69	72	78	83	84	84	84	81	82	84	86	86	85	88	90	90	88	83
18 Q	87	87	87	86	85	86	84	82	83	85	88	90	92	87	86	87	88	86	86	87	89	89	88	86	87
19 Q	85	85	84	85	84	86	86	82	84	83	84	86	87	87	86	81	77	80	82	84	88	87	86	83	84
20	82	83	82	82	81	77	74	77	81	82	83	83	83	76	81	78	81	85	86	89	87	86	83	82	82
21	86	86	89	86	85	82	81	82	85	87	88	89	86	85	81	71	71	75	75	80	82	85	86	86	83
22 D	85	82	81	82	82	82	81	79	79	72	70	75	74	70	69	76	73	75	81	95	115	111	133	114	85
23 D	103	100	96	69	40	38	59	47	53	53	-6	41	65	74	75	79	80	84	81	87	86	86	90	91	70
24	88	85	85	86	70	66	66	60	58	53	66	74	70	76	78	79	79	81	86	85	85	86	86	86	77
25	88	87	83	75	74	75	61	60	72	76	80	80	82	80	81	85	83	85	84	87	96	95	95	92	82
26	89	76	80	69	71	80	84	77	81	82	83	85	85	85	86	84	82	85	88	92	93	91	88	86	84
27	87	87	87	87	86	86	86	82	82	85	87	88	88	89	89	88	89	92	94	92	92	88	86	83	88
28 Q	82	81	81	81	81	79	79	79	80	78	80	81	83	84	81	78	78	81	85	85	83	83	82	83	81
29	84	83	83	84	84	83	82	82	84	83	84	85	86	86	82	78	78	76	78	80	84	85	86	83	83
30 D	83	82	80	80	57	40	31	21	36	57	73	79	77	77	73	69	71	86	94	99	96	96	95	92	73
31 Q	91	91	91	91	91	91	90	90	90	91	91	95	95	90	86	88	89	92	96	99	100	97	96	92	92
Mean	94	92	91	89	86	82	81	80	80	80	81	85	86	87	86	85	86	89	92	95	97	98	97	95	88

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

Table 10 Agincourt   H = 15,500 γ +   April 1964

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	536	535	534	536	537	536	536	536	540	537	536	535	529	512	476	489	472	462	473	530	540	554	558	569	525
2 D	472	482	503	502	491	493	508	504	497	492	491	490	497	492	480	471	460	470	498	506	524	524	513	507	494
3	508	513	524	514	515	514	520	524	517	519	515	511	502	497	489	491	487	486	507	519	524	529	538	522	512
4	526	515	537	521	516	516	510	515	520	518	522	521	520	516	499	487	488	499	515	530	541	532	525	526	517
5	524	519	520	521	526	516	518	516	515	515	519	521	520	514	505	503	508	518	527	540	545	553	543	526	522
6	520	525	525	530	534	525	525	523	526	526	525	521	514	504	493	496	506	517	526	539	544	547	546	535	524
7	521	525	522	521	522	515	516	515	521	523	526	525	517	510	503	495	499	510	526	535	521	537	535	527	519
8	523	528	531	528	527	531	532	537	528	521	524	538	522	514	502	496	501	506	518	531	538	544	544	540	525
9	531	528	520	525	522	532	526	533	533	523	522	531	526	515	505	501	503	512	523	533	542	544	540	536	525
10	533	533	533	533	531	531	533	532	533	533	523	536	538	524	507	502	506	513	521	531	542	547	546	547	529
11	543	543	543	541	539	540	540	539	534	533	535	527	515	544	509	495	490	501	506	517	534	537	540	537	528
12 Q	535	534	532	533	529	533	537	534	534	535	538	537	533	523	513	503	497	502	516	531	545	553	547	535	529
13	539	538	534	538	542	539	540	542	544	545	543	542	534	525	512	503	502	510	525	540	551	561	555	550	536
14 Q	547	545	544	543	541	543	543	545	545	543	538	538	533	522	507	503	505	512	520	523	539	543	543	543	534
15	543	544	543	545	544	545	548	548	549	548	545	544	548	537	511	505	504	511	521	532	549	554	550	523	537
16	528	532	543	533	531	532	536	542	538	535	538	534	526	520	518	516	506	504	518	532	548	556	562	550	532
17	549	540	528	521	528	533	508	519	527	538	539	532	528	521	506	496	496	505	512	522	535	539	544	539	525
18	539	541	539	539	540	544	549	554	556	550	549	534	556	545	533	498	494	509	518	522	532	538	538	536	536
19 D	523	521	522	531	536	537	537	536	532	513	534	536	525	515	504	489	494	511	522	533	538	528	528	541	524
20	536	544	536	533	536	536	537	526	526	543	538	533	533	527	521	508	505	518	532	542	544	543	542	526	532
21	515	531	539	533	533	533	536	537	537	533	531	533	531	521	511	518	523	528	531	536	532	536	533	541	531
22 Q	537	537	537	536	535	537	538	541	541	537	537	542	539	530	517	512	516	522	528	533	538	541	538	538	534
23 Q	538	537	533	538	544	539	540	541	542	542	542	541	536	527	516	514	522	531	541	549	552	548	547	545	538
24 Q	547	546	544	544	542	543	542	543	542	537	543	547	543	532	519	509	519	534	541	548	553	557	550	548	541
25	547	546	541	544	547	548	556	548	547	536	536	527	531	526	509	510	513	531	541	547	548	553	534	533	537
26	546	549	542	526	532	522	522	519	533	523	532	530	519	507	496	494	500	518	534	546	550	553	553	541	529
27 D	546	535	532	525	541	539	536	531	531	531	541	525	523	527	515	458	469	505	508	549	559	549	538	510	526
28 D	525	543	487	509	487	490	526	475	499	494	510	518	504	504	500	502	508	517	537	540	539	547	530	527	513
29	529	526	520	519	515	526	525	521	525	521	522	532	526	512	498	502	510	516	519	542	543	540	540	535	523
30	537	536	535	535	532	535	537	535	534	536	537	541	536	525	514	507	506	512	527	541	553	547	547	552	533
31																									
Mean	531	532	531	530	530	530	532	530	532	529	531	531	527	520	506	499	500	510	521	534	541	544	542	536	527

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 11 Agincourt

$D = 7° W + \ldots'$

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	28.8	28.8	28.9	28.6	28.6	28.1	27.8	27.3	26.8	26.6	25.6	23.6	21.3	22.7	25.2	30.6	34.4	39.9	45.7	39.9	43.7	41.0	38.0	15.9	30.3
2 D	26.3	27.5	22.4	28.6	38.4	34.2	26.9	27.7	28.1	28.1	24.6	27.9	24.7	23.5	26.1	28.3	31.5	32.3	35.4	36.1	34.3	32.0	30.9	27.3	29.3
3	22.7	21.0	24.4	28.9	22.5	26.3	26.4	27.9	29.4	27.7	25.6	23.4	26.0	26.7	26.6	29.4	32.0	32.8	32.6	32.5	31.6	30.0	28.7	28.4	27.6
4	23.3	28.6	29.0	27.5	30.0	26.3	26.2	27.5	29.4	26.5	23.4	22.2	21.4	22.1	23.0	27.3	31.0	33.9	33.4	32.3	31.4	30.8	28.8	29.0	27.7
5	29.0	29.0	28.7	27.6	26.7	27.3	26.4	26.6	25.2	24.2	29.9	26.4	24.3	24.3	26.1	28.7	30.6	31.5	33.1	33.5	33.7	31.7	31.4	33.4	28.7
6	30.3	29.7	29.1	27.4	26.4	27.9	27.8	27.4	26.8	27.1	27.2	26.0	24.3	23.8	26.3	30.1	31.7	33.3	34.7	33.8	31.8	30.4	29.6	23.2	28.6
7	25.0	27.6	26.4	28.3	27.1	26.5	25.2	31.7	25.6	24.1	24.8	23.4	20.8	21.0	25.5	30.3	33.0	33.9	34.5	35.1	32.9	29.6	28.2	27.9	27.9
8	26.7	27.9	28.7	27.7	26.4	26.1	27.4	27.3	28.5	31.0	34.4	26.0	22.9	22.0	23.3	27.6	31.5	33.3	33.3	32.1	31.3	29.5	28.3	28.3	28.4
9	27.3	26.4	25.1	28.1	31.6	27.0	26.5	27.4	24.9	24.2	22.2	21.2	21.3	20.9	24.1	28.4	31.2	32.7	33.7	32.1	30.0	28.1	27.5	27.8	27.1
10	28.1	28.3	28.4	28.5	28.1	27.1	27.3	27.7	24.5	24.3	26.4	27.4	23.1	23.5	26.2	28.7	31.0	32.7	33.0	32.6	31.3	29.6	28.4	27.7	28.1
11	28.9	28.5	28.2	28.3	27.6	27.5	26.0	24.2	24.6	26.0	29.7	29.2	29.5	28.4	25.1	30.4	32.9	35.0	36.9	34.5	33.1	29.6	28.1	27.7	29.2
12 Q	28.0	27.7	28.1	27.5	26.5	28.2	28.3	26.4	26.1	26.0	25.3	24.9	24.0	23.3	23.9	26.2	29.6	32.8	34.3	33.6	32.5	30.3	28.4	28.2	27.9
13	28.1	28.1	27.8	26.5	27.5	27.2	26.6	26.9	26.3	26.2	25.5	24.2	22.7	21.9	23.0	26.5	30.3	33.7	36.9	35.8	33.6	31.4	29.0	28.3	28.1
14 Q	28.2	28.3	27.9	27.5	27.5	27.2	26.9	26.0	25.3	24.9	25.4	23.7	21.2	22.4	22.7	24.5	27.9	31.4	33.1	32.9	32.1	31.0	29.4	28.2	27.3
15	28.3	28.1	28.1	28.1	27.5	27.2	26.5	26.0	26.0	25.9	26.8	24.6	20.7	20.9	21.9	25.8	30.8	35.0	35.4	35.5	34.6	33.5	31.3	27.4	28.2
16	27.8	26.8	26.8	25.8	25.1	26.9	26.3	27.6	25.1	25.1	24.7	22.7	22.4	24.1	23.2	25.2	28.7	31.9	33.2	33.3	33.1	32.0	30.4	29.4	27.4
17	28.3	21.7	22.0	23.8	20.6	24.3	13.1	19.4	21.9	25.3	24.6	23.7	20.6	19.8	20.6	26.1	29.2	30.7	34.0	34.3	33.0	30.5	29.2	28.2	25.2
18	27.9	27.9	27.9	27.9	27.7	27.2	26.3	25.8	24.6	23.7	23.8	28.9	28.7	20.6	24.0	25.9	33.4	34.9	34.5	34.7	32.9	30.9	29.3	27.0	28.2
19 D	20.0	21.7	23.9	26.7	22.1	27.0	26.8	26.2	28.2	36.5	28.2	23.6	24.1	25.3	25.0	29.2	32.4	31.5	32.1	31.9	31.3	29.2	28.8	28.2	27.5
20	27.4	26.2	25.9	27.1	29.1	27.9	27.5	29.7	32.1	26.9	24.9	25.1	23.8	24.4	25.6	27.6	30.4	32.1	31.5	30.2	30.1	29.7	24.9	22.4	27.6
21	26.0	23.7	28.1	27.8	27.9	27.8	27.1	27.8	26.9	28.5	27.7	25.0	25.0	26.0	29.3	31.1	31.7	31.7	31.9	31.5	30.9	28.7	28.1	28.0	28.2
22 Q	27.8	27.8	27.8	27.9	27.8	27.6	27.6	27.0	26.8	26.8	25.7	23.8	23.4	22.8	23.9	27.0	30.5	32.6	33.4	32.6	31.1	29.7	28.2	27.6	27.8
23 Q	27.1	27.0	25.7	26.8	27.6	27.0	26.6	25.8	25.9	25.1	24.4	22.9	22.2	22.1	23.9	28.0	31.9	33.7	33.9	33.5	32.2	30.1	29.0	28.4	27.5
24 Q	28.2	28.2	27.8	27.8	27.2	26.9	26.8	25.8	25.0	25.5	24.4	21.7	21.6	21.6	22.9	27.7	31.8	33.4	33.9	32.8	31.0	29.2	28.6	28.2	27.4
25	28.5	28.3	28.5	27.6	27.1	26.2	24.7	23.3	23.3	22.7	24.3	27.0	25.4	21.4	23.7	28.7	34.0	35.1	34.4	34.4	33.4	30.7	30.4	26.5	27.9
26	28.7	29.5	28.5	25.0	24.4	21.1	24.0	28.0	23.6	21.6	21.5	22.5	23.3	24.3	25.9	29.4	32.1	33.8	34.8	33.3	30.9	29.7	29.4	26.8	27.2
27 D	26.8	27.9	25.4	26.5	26.9	27.3	29.9	24.7	21.7	22.2	19.3	20.7	23.4	22.8	25.8	29.6	37.5	38.8	39.0	34.1	31.5	27.0	28.6	29.0	27.8
28 D	28.8	22.5	13.2	17.2	23.7	35.9	35.0	25.2	37.3	39.0	25.3	28.6	21.5	23.2	24.7	25.5	27.3	29.6	31.4	32.8	33.3	32.6	31.0	28.4	28.0
29	24.6	11.0	20.5	22.5	33.0	29.0	26.3	25.7	26.6	27.3	24.7	22.2	21.2	20.4	24.3	27.8	30.8	31.9	32.6	31.4	31.1	29.5	27.6	27.0	26.2
30	26.9	27.3	27.3	27.4	27.6	27.8	27.7	27.8	27.6	26.7	25.3	23.2	22.1	21.1	22.5	24.7	28.5	32.1	34.7	33.7	33.8	37.0	30.6	30.5	28.1
31																									
Mean	27.1	26.4	26.3	26.9	27.3	27.5	26.6	26.6	26.5	26.5	25.5	24.5	23.2	22.9	24.5	27.9	31.3	33.3	34.4	33.6	32.6	30.8	29.3	27.5	27.9

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

Table 12   Agincourt   Z=56,000 γ +   April 1964

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	98	98	99	99	98	96	96	97	98	96	96	96	98	93	82	82	80	101	135	149	182	268	269	294	125
2 D	147	136	112	99	68	58	98	92	87	67	78	83	91	93	98	102	107	125	129	126	135	135	130	125	105
3	120	102	97	66	70	91	94	100	82	82	71	86	91	90	92	95	94	96	103	102	104	102	105	109	94
4	111	114	100	95	93	87	93	92	79	77	89	94	93	92	95	100	102	105	103	105	108	110	115	116	99
5	115	115	111	106	94	94	100	100	98	93	89	89	94	94	93	87	86	90	94	103	109	118	122	128	101
6	117	108	106	102	95	102	102	105	105	104	103	106	107	106	99	95	95	99	102	103	102	105	105	108	103
7	107	107	106	106	102	99	96	88	88	101	104	101	101	96	89	85	86	90	93	95	101	105	105	105	98
8	105	104	102	99	100	100	101	91	85	55	35	54	80	86	88	91	95	97	100	103	105	105	103	103	91
9	104	103	107	102	85	95	97	94	95	86	87	91	97	98	95	94	96	99	101	103	103	103	102	102	97
10	100	102	101	100	100	97	98	95	92	96	92	92	92	92	92	92	95	99	100	103	106	103	102	100	98
11	99	99	97	97	97	99	97	97	93	87	82	69	73	69	74	77	84	93	104	109	113	112	108	104	93
12 Q	102	102	102	101	102	100	96	97	99	100	101	101	101	100	99	98	101	104	104	99	98	98	98	96	100
13	99	100	100	100	98	98	98	98	97	80	99	102	102	98	97	96	97	100	100	97	98	100	100	98	98
14 Q	98	97	98	97	98	98	97	95	96	94	98	97	99	99	98	97	98	101	105	105	107	105	103	103	99
15	99	98	98	98	98	98	97	97	97	97	94	89	86	83	82	81	86	94	99	103	110	111	113	122	97
16	122	118	88	97	97	97	92	82	86	97	101	100	98	98	94	91	91	97	104	104	104	104	105	104	99
17	104	108	105	114	119	119	58	93	106	107	108	108	106	105	98	98	101	104	104	105	105	105	107	105	104
18	103	104	102	102	102	101	100	98	88	93	97	86	67	72	77	78	93	98	100	106	109	111	111	118	96
19 D	119	113	101	87	86	97	98	97	97	63	75	88	89	88	88	89	93	98	102	109	114	126	121	115	98
20	109	97	94	102	96	92	91	82	63	88	93	97	98	98	97	96	97	98	105	108	113	111	118	123	99
21	121	109	96	103	104	104	104	102	103	99	98	102	104	100	100	99	102	109	112	115	115	120	113	109	106
22 Q	107	105	104	104	103	103	102	100	104	101	101	102	102	102	98	96	96	99	99	100	106	105	104	104	102
23 Q	101	101	101	100	96	97	98	99	99	99	102	102	101	101	93	90	90	93	96	100	103	103	102	98	99
24 Q	99	98	98	98	97	98	98	98	97	98	99	100	99	98	95	89	90	95	97	99	103	102	101	100	98
25	101	102	102	100	97	100	95	96	97	99	102	92	89	91	86	83	82	89	96	103	111	118	123	120	99
26	112	108	113	111	105	82	94	90	85	100	105	105	104	100	95	95	94	95	99	106	107	110	111	107	101
27 D	106	106	107	108	106	101	80	76	93	93	93	92	89	84	83	84	102	105	114	127	167	164	144	165	108
28 D	84	78	66	94	21	7	83	17	12	12	41	71	78	94	100	103	100	95	103	111	111	118	121	130	77
29	130	111	92	105	87	73	80	94	103	97	89	93	99	100	100	105	105	108	116	117	115	114	111	110	102
30	109	107	106	104	104	103	102	102	104	106	109	109	109	107	104	99	96	98	100	106	122	142	172	203	114
31																									
Mean	108	105	100	100	94	93	94	92	91	89	91	93	95	94	93	92	94	99	104	107	113	118	118	121	100

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

Table 13　　　Agincourt　　　　　　　　　　H = 15,500 γ +　　　　　　　May 1964

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	552	517	500	510	535	530	520	519	518	524	517	507	512	524	516	507	496	512	532	541	539	543	546	531	523
2	529	533	544	534	532	529	527	522	524	526	529	528	525	518	507	533	547	548	543	538	535	528	523	509	530
3	534	524	524	528	534	535	535	534	533	535	535	535	530	523	516	507	515	528	540	548	551	550	544	541	532
4	540	543	543	539	541	541	539	538	537	539	540	539	534	528	526	533	539	546	547	543	544	540	548	547	540
5	546	555	561	566	561	552	549	546	545	539	533	539	537	537	530	530	531	535	543	548	551	545	540	538	544
6	541	543	544	546	547	546	549	551	555	549	547	544	541	536	534	541	545	558	567	556	555	555	551	541	548
7 Q	544	545	544	539	541	533	533	535	535	539	544	541	538	531	523	521	522	530	538	545	552	556	551	546	539
8 Q	545	544	544	544	544	546	547	546	546	549	551	548	543	535	529	530	535	541	547	552	552	552	552	552	545
9 Q	551	552	552	553	551	551	551	552	552	554	554	552	545	533	524	530	545	553	554	560	557	555	552	549	549
10	557	561	566	557	563	567	566	568	505	551	560	564	546	528	518	508	537	544	546	536	578	578	570	563	552
11	526	482	477	460	471	510	506	494	524	533	533	527	516	503	488	486	495	512	527	537	540	545	543	539	511
12 Q	534	535	537	539	535	534	534	533	529	532	534	534	532	521	512	513	523	533	538	546	550	550	549	545	534
13	544	543	542	541	540	544	545	548	551	556	560	560	562	511	511	518	547	562	573	579	541	538	544	549	546
14 D	545	545	539	542	548	551	555	544	534	537	552	548	535	522	474	479	521	532	540	547	550	548	551	548	537
15 D	543	542	545	550	519	507	487	542	528	532	532	538	531	522	510	511	527	538	551	554	545	544	543	566	534
16	551	534	540	548	550	545	541	529	502	543	543	541	528	529	533	529	534	545	553	541	550	553	559	551	540
17	541	540	541	545	544	545	547	545	529	513	544	539	521	524	517	523	524	529	541	554	568	561	538	541	538
18	543	541	542	543	541	546	548	545	541	532	536	541	539	530	521	517	518	526	539	555	560	552	549	547	540
19	548	547	546	547	545	542	543	540	536	539	550	550	545	535	525	514	522	535	536	550	555	558	547	541	542
20 Q	544	546	548	546	546	547	547	546	546	548	550	553	548	540	526	527	533	544	554	561	565	563	559	553	547
21	549	548	548	547	546	550	549	553	556	554	547	549	542	538	531	528	537	546	555	566	566	566	563	550	549
22	550	550	551	554	555	557	554	555	552	546	548	548	538	525	516	520	529	544	555	569	575	569	568	564	550
23	561	565	561	559	552	550	555	552	554	555	559	555	548	531	515	512	523	541	556	567	570	568	575	581	553
24 D	575	561	565	567	516	533	519	520	524	510	539	535	517	504	505	496	507	518	543	556	560	555	545	549	534
25 D	542	541	549	552	557	560	563	557	515	478	544	544	528	509	494	497	523	529	549	557	557	564	566	544	538
26	549	540	539	540	544	545	546	544	546	546	546	548	542	529	520	520	516	530	544	553	560	563	560	556	543
27	549	548	535	540	539	542	566	551	540	533	525	529	531	522	513	508	508	532	550	563	568	566	554	551	540
28	550	549	554	554	550	547	550	551	548	541	538	539	533	531	515	505	530	554	563	554	566	566	556	552	546
29	551	552	551	552	545	550	546	546	547	548	550	546	538	532	527	526	530	535	542	554	564	572	566	555	547
30	551	552	551	549	546	551	550	551	546	546	548	550	540	525	524	529	534	544	557	562	565	573	576	557	549
31	550	555	554	551	550	552	555	555	553	556	557	554	549	539	527	522	528	541	558	570	572	571	571	566	552
Mean	546	543	543	543	542	543	543	542	537	538	543	543	536	526	517	517	526	538	548	554	557	556	554	549	541

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 14 Agincourt   D = 7° W + ...'   May 1964

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	25.2	15.3	24.7	23.0	27.3	32.1	31.2	34.5	29.0	27.0	25.8	27.3	26.1	25.7	24.0	27.4	32.4	34.6	33.3	31.7	31.3	30.5	29.6	28.2	28.2
2	28.4	28.2	27.1	26.9	26.9	30.6	38.1	36.4	27.1	24.7	19.7	20.1	19.3	21.5	25.7	30.3	32.8	33.0	32.1	31.1	30.4	28.9	28.1	25.5	28.0
3	25.2	27.6	25.9	28.8	29.1	29.1	28.3	27.8	28.2	26.7	25.2	23.9	23.3	24.0	25.9	29.8	32.3	32.8	31.7	29.9	28.2	27.8	27.3	28.0	27.8
4	28.3	27.7	28.0	28.5	28.1	27.3	27.8	26.0	27.0	26.9	25.7	24.3	24.9	26.2	29.0	31.1	31.7	31.7	31.5	30.6	30.0	29.0	28.7	28.9	28.3
5	27.0	27.2	28.5	28.1	27.7	26.6	27.0	24.9	25.8	27.1	29.0	24.9	24.9	28.9	30.8	32.8	33.4	33.3	33.2	32.1	29.9	28.7	28.1	28.2	28.7
6	28.1	28.1	28.2	28.1	27.9	27.0	26.8	26.9	25.1	24.6	24.5	23.7	24.5	26.8	28.1	30.5	33.2	33.3	33.1	32.3	30.3	28.8	28.0	28.1	28.2
7 Q	28.1	28.0	27.6	24.9	25.9	26.8	25.8	25.6	25.7	24.1	23.6	22.1	22.5	23.9	26.0	28.8	31.4	32.6	32.1	31.3	30.0	28.2	27.4	27.6	27.1
8 Q	28.0	28.2	28.0	28.0	27.7	27.7	27.0	26.7	26.7	25.9	24.6	23.5	23.5	23.8	26.0	28.7	30.4	31.5	32.5	31.4	30.1	29.2	28.4	28.2	27.7
9 Q	28.1	27.9	27.9	27.6	27.2	26.8	26.5	26.1	25.9	25.8	24.5	23.5	23.5	25.7	28.7	30.9	31.1	33.5	32.6	31.1	30.0	28.7	27.1	26.8	27.9
10	26.8	27.5	26.8	26.8	25.9	25.9	25.6	24.3	23.7	24.5	23.1	21.2	20.3	26.0	29.3	31.1	40.1	40.1	37.1	35.6	37.7	36.6	37.4	35.1	29.6
11	28.4	20.4	19.5	18.1	21.7	26.0	25.7	36.1	28.8	26.8	24.8	24.3	24.5	25.4	26.9	30.0	33.0	35.1	34.5	33.2	31.8	29.8	28.1	27.6	27.5
12 Q	28.3	28.0	28.2	27.9	27.6	27.9	27.6	28.0	28.9	26.9	23.7	22.5	22.5	24.7	27.9	31.8	34.4	35.6	35.8	34.4	31.8	29.0	27.3	26.9	28.6
13	27.8	27.9	27.9	27.9	27.9	28.0	27.5	27.0	26.6	24.4	20.7	18.1	17.3	19.4	24.8	35.2	38.1	37.6	36.7	34.9	37.4	33.0	30.0	28.9	28.5
14 D	28.5	28.5	26.9	27.9	27.6	27.6	23.6	22.3	34.7	30.0	21.2	19.7	19.3	21.4	20.6	36.7	33.3	34.3	33.6	34.5	34.3	31.8	30.0	27.9	28.2
15 D	27.6	25.5	25.7	16.1	6.8	22.6	34.1	26.0	25.8	32.5	34.5	19.0	18.6	21.3	22.7	27.6	28.7	31.1	31.7	31.5	31.3	30.4	28.9	24.5	26.0
16	19.1	24.4	26.8	27.2	29.2	25.6	24.2	29.9	36.1	26.7	23.6	22.3	22.0	25.6	25.7	29.5	32.9	34.4	34.1	33.4	31.3	29.9	28.0	27.8	27.9
17	28.1	27.8	28.0	28.3	27.9	27.4	29.8	27.8	25.6	32.3	24.4	22.0	23.8	25.3	26.7	29.3	32.4	33.9	34.4	33.5	31.0	29.2	28.4	27.0	28.5
18	27.4	28.0	27.7	27.5	25.5	28.4	27.9	26.9	25.9	27.8	27.7	22.6	20.5	21.7	24.4	29.8	33.8	35.7	35.2	32.9	29.8	28.1	27.5	27.2	27.9
19	27.0	27.5	27.7	25.7	25.4	27.7	27.1	27.7	29.0	28.6	25.0	22.5	21.1	21.6	23.7	27.5	30.2	31.6	33.8	31.9	29.9	28.4	28.1	27.7	27.4
20 Q	27.5	27.0	26.5	27.0	26.7	26.6	26.7	26.7	25.8	26.3	25.1	22.2	21.8	22.4	23.6	29.3	33.3	36.1	35.0	33.1	31.1	29.3	27.8	26.9	27.7
21	27.1	27.3	27.0	27.1	26.2	27.0	27.4	26.7	25.9	26.6	27.5	25.6	22.4	20.4	23.8	28.6	31.8	33.4	33.3	31.7	29.9	27.8	26.9	26.7	27.4
22	27.0	27.7	27.2	27.0	27.1	26.9	26.7	25.6	24.0	22.7	21.3	20.3	20.3	22.2	27.0	29.3	32.3	35.0	36.3	35.1	32.9	30.1	28.5	27.5	27.5
23	27.9	27.8	27.5	24.6	23.6	24.4	26.5	25.6	25.0	24.3	22.4	21.0	20.5	21.6	25.5	30.0	32.9	35.4	36.0	34.8	32.4	30.8	29.2	27.4	27.4
24 D	31.0	32.0	30.4	27.7	17.5	21.6	28.6	28.8	25.7	30.2	23.3	18.1	19.4	25.9	26.8	31.0	36.5	38.6	37.2	33.9	31.0	29.3	24.8	23.4	28.0
25 D	26.7	27.8	28.1	28.6	28.1	27.0	26.5	24.8	28.1	40.6	21.1	20.4	17.4	18.2	23.2	29.5	33.8	36.4	37.9	38.2	32.3	29.9	28.1	24.6	28.2
26	22.6	26.8	27.7	27.7	27.8	27.9	28.7	29.7	27.8	26.3	24.8	23.0	22.3	21.6	23.5	26.7	31.3	33.1	33.2	33.1	31.7	28.9	27.5	26.2	27.5
27	26.0	24.9	24.7	24.8	22.2	24.3	31.0	20.3	22.6	24.8	24.8	21.6	22.4	23.4	26.7	29.2	31.8	33.0	34.2	34.5	33.3	31.2	28.8	27.5	27.0
28	27.8	27.4	24.7	23.6	24.4	26.6	27.3	27.1	26.8	28.3	25.5	23.0	22.6	22.5	23.4	27.4	35.3	34.6	35.2	35.9	33.5	31.0	28.0	28.1	27.9
29	27.9	28.0	27.8	23.7	25.0	27.2	28.1	28.2	28.7	26.8	24.5	23.1	23.6	22.5	24.5	28.2	32.2	35.3	36.1	34.2	32.2	30.1	28.1	27.1	28.0
30	27.4	27.9	27.2	28.0	27.6	28.7	28.0	29.1	27.1	24.8	22.5	20.6	19.4	21.5	25.6	29.9	33.2	34.8	33.6	32.9	32.0	30.0	28.1	25.6	27.7
31	28.0	28.0	27.0	24.3	26.0	27.4	27.3	27.0	26.8	25.9	25.0	23.2	21.6	22.4	23.8	28.1	31.5	34.5	35.0	32.9	31.1	29.1	28.2	27.6	27.6
Mean	27.2	27.0	27.0	26.2	25.7	27.0	27.9	27.4	27.0	27.1	24.5	22.2	21.8	23.3	25.6	29.9	33.0	34.4	34.3	33.1	31.6	29.8	28.4	27.4	27.9

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

Table 15　　Agincourt　　　　　　　　　　　Z=56,000 γ +　　　　　　　May 1964

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	222	108	76	108	76	75	80	76	81	100	91	91	89	93	101	103	104	109	113	116	115	114	113	113	103
2	112	109	96	96	100	96	57	36	61	78	90	94	97	100	101	107	105	110	113	115	118	119	120	122	98
3	114	112	111	109	107	106	105	104	102	104	106	106	107	103	102	102	102	105	107	112	117	115	111	107	107
4	103	101	99	100	101	98	94	96	99	99	101	101	99	93	87	85	92	96	98	100	103	100	102	100	98
5	99	99	97	94	94	93	82	90	94	88	76	77	86	85	87	91	96	104	106	107	105	105	103	100	94
6	98	97	97	97	96	96	96	94	92	92	92	91	89	87	86	91	89	91	99	100	103	102	102	97	95
7 Q	96	95	95	95	88	93	92	91	90	93	96	94	91	88	86	84	90	94	99	101	99	97	94	94	93
8 Q	93	92	92	93	91	93	93	93	94	94	94	93	89	87	84	84	85	89	90	93	96	95	94	93	91
9 Q	90	90	90	90	89	89	88	88	89	90	92	91	89	88	86	86	88	84	85	89	96	97	97	94	90
10	94	91	89	89	88	88	88	88	88	89	94	96	92	88	80	75	73	82	101	125	167	206	241	270	111
11	287	198	138	90	81	36	69	47	81	97	105	108	105	102	101	98	95	101	104	105	105	107	103	103	107
12 Q	101	98	98	96	92	93	93	92	92	91	97	96	94	93	90	87	89	92	92	89	91	93	95	94	93
13	93	92	92	92	92	92	93	92	92	92	93	90	86	82	86	89	89	81	80	93	115	114	118	112	94
14 D	100	98	100	98	96	84	50	71	35	45	80	89	86	85	79	89	97	93	94	97	96	101	105	104	86
15 D	102	100	100	61	−16	−8	−30	35	59	67	77	86	84	80	79	77	80	82	82	86	91	94	99	113	70
16	95	100	91	79	47	69	87	71	1	36	79	88	82	85	80	92	91	95	98	95	101	107	106	105	83
17	99	95	95	94	92	86	77	89	90	89	89	90	90	88	89	79	80	82	81	90	101	94	95	99	90
18	98	95	94	92	91	87	76	88	88	89	89	90	88	87	88	87	84	84	81	88	91	92	92	92	89
19	92	91	91	88	87	89	92	92	92	94	94	92	89	88	88	83	77	81	82	86	88	95	94	94	89
20 Q	91	90	88	88	87	88	88	88	88	89	89	88	87	83	83	84	82	82	82	83	86	88	92	91	87
21	89	87	88	88	87	86	86	87	88	90	87	86	85	85	81	81	78	83	88	92	93	96	97	96	88
22	93	92	90	90	87	87	86	82	83	86	90	87	84	81	76	68	70	75	79	82	89	92	93	92	85
23	87	87	87	84	77	84	80	81	85	86	91	89	88	84	80	80	75	77	81	83	86	86	88	91	84
24 D	101	109	107	111	104	86	56	33	50	45	64	81	84	81	81	80	76	74	80	86	97	97	107	108	83
25 D	103	97	92	91	89	89	80	81	61	−48	44	65	75	79	76	83	87	89	104	123	123	103	102	107	83
26	102	95	92	92	91	87	85	86	89	92	96	95	88	80	77	77	77	80	81	86	91	95	94	92	88
27	93	94	95	93	86	73	34	29	48	70	69	84	86	85	84	84	80	81	86	91	92	95	102	100	80
28	96	94	90	80	79	85	90	90	88	84	85	90	93	90	80	79	81	75	81	87	96	101	105	101	88
29	96	91	90	79	76	83	85	86	85	86	89	90	87	84	83	80	79	78	80	86	92	96	99	98	86
30	95	91	90	88	85	85	84	79	79	85	85	85	82	85	84	82	80	75	79	83	84	91	98	99	86
31	90	90	90	86	85	87	86	86	87	88	89	86	84	79	77	79	82	90	94	95	96	94	91	87	87
Mean	107	99	95	91	85	83	78	79	79	80	88	90	89	87	85	85	86	88	91	96	101	103	105	105	91

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

Table 16 Agincourt   H = 15,800 γ +   June 1964

Day	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		561	558	562	563	555	559	554	554	554	557	559	558	548	535	524	525	534	540	550	561	577	574	561	556	553
2		555	552	551	551	551	550	554	556	557	558	560	560	552	538	527	523	533	556	573	572	571	566	562	561	554
3	Q	561	560	556	555	553	551	550	550	551	552	552	550	546	539	533	534	548	560	571	572	573	566	566	560	555
4		553	552	555	555	552	553	549	545	547	553	556	553	547	537	519	519	527	539	559	569	574	572	560	555	550
5	Q	550	550	549	551	553	550	553	551	551	553	555	551	544	533	524	524	537	549	559	566	572	571	563	555	551
6	Q	554	555	556	559	557	558	558	558	554	551	551	550	546	538	543	544	542	552	558	563	567	565	560	556	554
7		559	556	553	550	549	549	549	549	549	553	556	555	544	533	528	525	529	539	549	563	571	577	572	581	552
8		572	555	559	555	555	555	549	544	537	534	539	545	538	528	519	517	534	552	565	574	571	572	556	563	549
9		559	553	559	549	549	547	542	537	538	539	544	545	544	542	523	523	537	549	561	566	566	576	577	572	550
10	D	578	583	566	535	482	339	256	365	511	502	481	524	533	503	505	503	510	519	526	540	559	565	544	564	504
11	D	543	533	512	523	541	537	535	528	528	512	518	524	525	517	513	509	509	506	541	543	556	530	555	554	529
12	D	550	540	534	539	535	537	539	540	541	544	543	535	524	520	517	509	509	507	526	539	550	554	541	540	534
13		549	545	539	552	546	538	538	540	539	541	529	535	532	524	512	510	516	527	540	550	562	550	551	549	538
14		550	547	550	547	551	547	540	539	536	538	541	540	536	535	529	524	529	529	536	552	553	555	558	557	542
15		552	539	546	550	549	551	547	551	547	546	546	547	540	535	525	525	536	549	551	558	566	561	555	551	547
16	Q	560	556	546	547	546	548	560	550	546	551	551	550	545	535	528	533	547	560	566	563	563	551	547	546	549
17		546	546	547	546	546	549	545	544	545	545	547	547	545	535	520	519	533	551	560	563	566	560	551	551	546
18		552	552	555	553	553	552	551	556	558	558	551	546	534	525	530	526	526	530	547	570	573	563	544	543	548
19		546	550	550	550	549	547	549	551	551	551	550	546	540	530	525	525	527	542	558	573	572	571	566	538	548
20	D	541	535	529	529	524	536	546	544	550	548	551	546	525	541	529	525	518	531	535	547	541	547	554	560	539
21	D	560	540	531	542	547	546	547	542	541	534	546	540	537	530	520	516	518	531	541	551	563	564	558	549	541
22		546	546	546	549	547	552	552	553	551	552	554	552	547	536	519	513	526	535	551	555	557	563	552	545	546
23		547	551	551	546	546	544	540	540	546	541	546	546	539	536	526	526	527	540	555	566	567	561	563	561	546
24		554	550	551	551	547	551	551	551	551	550	551	549	541	536	529	529	536	547	559	568	555	563	558	563	550
25		566	558	556	566	541	545	556	526	525	547	543	539	534	522	511	517	524	535	549	561	566	565	562	552	544
26		553	554	553	552	554	554	557	551	542	547	542	551	548	542	526	520	523	528	538	552	569	569	562	556	548
27		552	552	553	552	552	553	558	552	550	552	558	558	552	547	537	533	540	544	551	561	564	569	568	564	553
28		563	562	561	561	566	561	563	560	558	556	563	575	565	555	536	508	513	538	563	564	568	564	558	554	556
29		555	553	553	554	559	554	555	555	554	543	559	562	553	542	535	538	547	557	556	566	569	566	564	563	555
30	Q	559	559	560	559	559	555	555	557	557	559	559	559	550	542	531	525	531	538	553	562	565	568	565	565	554
31																										
Mean		555	552	550	550	547	542	540	541	546	546	547	548	542	534	525	522	529	539	552	560	565	563	558	556	546

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 17 Agincourt

$D = 7° W + ...'$

June 1964

Hour U.T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	27.2	27.6	27.5	26.9	25.6	26.9	27.1	26.0	26.1	25.0	22.4	21.2	19.1	19.7	21.1	25.2	28.4	31.7	33.5	33.7	32.4	30.6	28.3	27.1	26.7
2	26.9	27.4	27.4	26.7	26.5	26.8	27.3	27.4	26.5	25.2	23.4	22.1	21.1	22.3	24.7	28.4	29.9	31.1	31.8	32.1	30.7	28.7	27.9	27.6	27.1
3 Q	27.5	27.4	27.3	27.3	25.2	25.6	26.0	25.7	24.8	24.7	24.5	22.3	22.3	25.0	26.7	29.4	32.4	32.1	31.3	30.7	29.8	29.5	28.5	27.4	27.2
4	27.6	27.6	27.5	27.2	26.9	26.4	26.6	27.7	29.6	25.7	22.4	21.5	20.5	20.6	22.5	28.4	32.4	35.2	34.8	33.6	30.9	27.8	27.1	26.7	27.3
5 Q	27.3	27.5	26.9	27.6	27.8	27.6	27.1	26.7	26.2	24.9	23.4	21.7	22.2	23.6	25.9	28.7	31.8	32.5	32.9	32.2	30.6	28.7	27.0	26.9	27.4
6 Q	27.8	28.1	28.5	27.8	27.0	26.9	26.5	25.9	25.2	26.0	23.1	20.6	21.2	24.8	28.9	30.9	32.5	32.7	31.8	30.2	29.6	28.5	27.5	27.2	27.5
7	27.3	27.9	28.4	28.3	28.0	27.7	26.9	26.6	26.0	25.2	23.6	22.9	23.2	23.7	25.6	29.1	32.6	35.4	35.6	33.9	32.0	30.1	28.8	28.7	28.2
8	28.6	28.6	29.2	28.6	26.8	27.0	27.1	26.9	22.3	19.6	18.6	19.2	19.5	21.7	24.5	29.6	33.4	34.8	35.4	34.0	32.0	29.9	28.5	28.0	27.3
9	28.5	28.8	28.7	28.7	27.9	25.5	25.0	24.7	23.3	22.4	19.5	17.8	17.0	20.5	23.1	28.3	32.9	33.8	31.4	31.1	30.1	28.1	27.2	26.2	26.3
10 D	26.0	27.0	22.8	18.3	14.4	18.2	26.0	37.0	32.9	28.8	33.1	20.4	19.4	21.4	26.9	28.5	30.2	31.7	32.3	31.7	30.2	29.4	26.6	24.6	26.6
11 D	26.7	26.8	19.6	36.3	25.7	26.7	28.8	33.5	30.1	31.6	29.3	25.2	22.5	23.8	28.0	28.7	34.1	36.3	33.4	32.4	30.9	31.2	27.0	27.9	29.0
12 D	26.8	26.5	20.8	21.7	23.7	25.7	31.8	33.0	32.0	28.1	23.8	20.8	22.5	21.6	22.3	27.7	31.2	36.2	37.2	35.4	32.4	30.3	28.1	25.7	27.7
13	23.8	25.6	26.8	26.7	27.2	28.2	34.5	28.2	27.9	26.0	27.9	27.0	22.5	22.5	24.8	28.3	31.8	32.9	33.1	32.3	31.2	30.3	29.0	27.8	28.2
14	27.4	28.1	27.4	26.2	26.9	27.4	27.2	29.3	31.3	28.9	25.1	22.6	21.9	22.0	24.0	26.7	29.0	30.9	30.8	30.7	31.0	30.1	28.9	25.9	27.5
15	26.5	27.4	26.8	24.5	26.9	27.8	27.3	27.1	27.8	26.2	25.1	23.9	23.8	22.7	24.8	28.1	29.8	30.8	32.1	31.5	30.5	29.3	28.2	27.5	27.3
16 Q	26.8	25.9	27.1	27.8	28.3	28.0	27.5	26.8	27.3	26.3	24.3	23.3	22.4	23.0	26.1	31.0	34.4	34.8	33.9	33.0	30.5	28.8	27.6	27.4	28.0
17	28.0	28.1	27.9	27.3	27.2	28.1	27.9	28.1	28.1	26.0	23.9	22.9	21.4	21.8	23.2	29.3	33.7	35.8	35.7	34.2	32.3	30.4	29.5	28.3	28.3
18	28.3	28.0	28.4	28.4	28.3	28.5	28.2	27.6	27.0	25.2	24.1	22.6	22.3	24.1	26.3	31.2	34.7	38.0	38.4	35.9	34.5	33.8	30.5	28.4	29.3
19	28.4	29.2	28.8	28.3	28.2	28.3	27.9	27.3	27.0	25.9	24.1	22.5	21.6	22.1	24.0	28.4	32.0	33.4	33.8	32.2	31.8	31.1	31.1	31.2	28.3
20 D	29.3	28.3	27.4	25.4	24.1	27.3	28.1	28.0	26.3	24.2	21.2	19.7	20.9	27.6	25.8	30.8	33.7	35.0	35.7	34.5	32.5	31.5	29.0	27.5	28.1
21 D	27.5	19.0	25.2	27.4	29.2	28.3	27.4	27.2	27.1	32.3	24.1	21.9	20.8	22.0	25.4	30.7	33.8	35.3	36.8	36.1	34.0	30.5	27.8	27.2	28.2
22	28.0	28.6	28.5	28.3	28.5	28.5	28.4	28.2	27.4	25.6	24.0	22.2	21.2	21.8	24.4	31.9	37.1	39.6	39.0	36.0	33.8	30.7	29.0	27.8	29.1
23	27.9	28.3	28.2	28.2	27.4	25.5	26.5	28.6	27.9	27.8	26.5	23.8	25.2	25.4	27.1	31.3	33.6	34.5	34.0	33.2	30.9	28.6	26.4	27.4	28.5
24	27.9	28.6	28.5	27.9	27.8	28.4	27.9	27.5	26.3	25.2	23.4	22.4	22.0	22.4	24.4	29.4	33.3	35.9	34.7	34.6	34.1	30.7	29.7	28.7	28.4
25	25.2	26.2	28.3	22.3	22.3	26.5	24.6	24.3	35.9	26.4	24.5	22.3	20.1	20.3	24.3	28.4	32.0	34.6	35.4	33.6	32.0	30.5	28.6	27.8	27.4
26	27.2	26.8	26.6	27.5	29.8	30.1	28.3	28.3	30.9	27.6	24.3	24.4	22.2	21.3	23.3	28.2	32.8	36.4	36.9	35.7	33.2	30.9	29.3	28.3	28.8
27	27.5	27.5	27.7	28.2	27.9	27.7	26.9	27.2	26.5	24.5	22.0	20.1	20.2	19.2	18.9	25.5	29.3	32.1	32.7	32.0	31.4	29.7	28.8	28.9	26.8
28	28.3	28.4	27.8	26.7	26.4	26.6	27.1	26.6	27.5	28.7	26.2	20.2	20.1	24.1	26.3	31.5	30.5	37.0	32.4	31.8	31.4	30.4	28.6	27.2	28.0
29	27.1	27.2	27.7	25.4	27.7	27.3	27.3	26.6	27.4	35.8	28.7	22.3	20.8	21.5	24.2	30.3	33.5	34.2	34.2	31.9	30.0	29.1	28.5	27.7	28.2
30 Q	27.8	27.9	27.3	27.2	27.8	27.6	27.7	26.6	26.5	25.3	23.5	22.4	21.5	21.5	23.9	26.6	29.2	32.4	32.9	32.0	31.1	30.6	29.4	28.6	27.4
31																									
Mean	27.4	27.3	27.0	27.0	26.6	27.0	27.6	27.8	27.7	26.5	24.3	22.1	21.4	22.5	24.7	29.0	32.2	34.2	34.1	33.1	31.6	30.0	28.4	27.6	27.8

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

Table 18   Agincourt   Z=56,000 γ +   June 1964

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	83	81	81	80	80	79	82	85	85	85	83	80	71	69	68	68	67	69	74	77	85	85	85	85	79
2	84	81	81	81	80	81	81	80	80	84	86	86	81	77	70	63	57	60	69	78	84	86	85	83	78
3 Q	80	80	80	81	80	79	79	80	80	79	79	81	80	80	78	73	68	69	67	70	73	79	80	80	77
4	81	80	79	80	79	79	77	75	71	75	80	80	79	78	73	80	85	85	86	87	86	90	87	86	81
5 Q	84	83	82	82	80	79	81	81	81	84	85	83	81	74	69	69	73	78	85	88	90	86	84	81	81
6 Q	80	80	80	80	79	83	80	79	79	83	78	76	74	74	72	69	66	62	67	75	85	85	84	83	77
7	84	85	79	79	78	80	80	79	83	85	85	86	84	77	67	68	66	72	74	76	79	85	90	89	79
8	86	83	79	79	77	80	77	68	53	67	84	86	84	79	73	69	67	69	78	84	89	85	79	79	77
9	80	79	80	79	78	77	73	80	84	85	85	82	78	78	77	75	73	73	71	75	80	84	84	84	79
10 D	84	80	78	48	-27	-160	-202	-84	58	50	38	74	80	78	90	85	90	93	94	96	101	101	112	111	49
11 D	112	107	73	30	79	82	74	52	61	53	51	72	84	85	80	80	79	79	85	87	100	103	109	100	80
12 D	100	96	85	73	79	77	67	64	78	79	80	74	78	75	74	66	56	59	63	66	74	79	84	85	75
13	74	67	68	53	44	47	45	46	57	61	58	62	63	64	64	85	85	80	83	89	91	90	90	89	69
14	86	84	85	84	65	58	68	75	75	78	86	85	84	82	81	74	69	68	71	75	80	81	85	90	78
15	91	92	90	78	84	85	84	80	80	85	86	86	85	81	79	76	72	76	78	73	73	81	87	88	82
16 Q	88	84	81	84	84	84	84	80	84	86	86	86	87	91	90	85	80	73	75	81	86	87	90	86	84
17	86	86	85	85	84	81	81	81	82	86	87	86	88	91	91	87	79	71	73	78	80	85	86	87	84
18	86	86	86	85	85	84	84	85	85	83	84	81	78	79	67	71	77	78	74	76	92	107	109	98	84
19	88	86	83	82	82	82	85	85	86	87	87	87	86	82	81	84	81	77	80	87	96	103	108	112	87
20 D	115	116	120	108	102	108	99	97	94	93	92	85	70	56	55	63	71	75	77	88	97	99	94	94	90
21 D	93	98	97	94	93	88	87	86	83	76	85	88	88	92	92	89	83	82	83	94	99	97	92	89	90
22	87	86	85	85	84	88	87	88	88	88	89	89	89	87	87	89	91	88	83	88	95	100	104	99	89
23	96	91	90	90	89	85	88	90	90	94	95	94	91	89	84	82	77	69	73	79	85	95	101	100	88
24	98	93	90	89	88	86	86	86	86	89	89	90	86	85	85	79	73	69	73	85	84	92	91	90	86
25	91	86	87	90	70	71	43	15	15	64	88	92	92	90	82	90	92	87	88	90	91	90	91	91	78
26	91	87	87	87	77	73	77	78	75	76	81	85	82	85	84	81	85	87	89	90	91	93	96	96	85
27	97	93	91	89	89	88	85	87	88	92	93	92	92	88	81	76	78	81	80	83	88	88	91	90	88
28	88	87	87	87	80	81	81	82	86	81	77	75	75	81	76	69	75	82	83	87	91	93	91	92	83
29	92	92	91	86	78	85	86	86	86	71	70	71	72	74	78	85	82	80	74	78	86	87	90	90	82
30 Q	89	89	89	88	88	87	87	87	88	88	92	89	87	84	82	76	75	78	83	86	88	88	86	88	86
31																									
Mean	89	87	85	80	77	73	70	72	77	80	81	83	82	80	78	77	76	76	78	82	87	90	92	90	81

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

Table 19 Agincourt $H = 15,500 \gamma +$ July 1964

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	569	566	566	564	560	562	564	565	564	564	564	566	564	554	545	534	533	537	545	559	570	575	571	570	560
2	571	516	566	565	565	561	563	562	563	562	565	565	559	553	548	544	544	550	552	559	571	573	573	581	560
3 D	586	586	577	572	576	575	560	552	564	554	565	563	554	540	550	544	538	537	548	559	587	601	570	560	563
4	550	538	539	549	549	543	542	544	551	543	549	553	549	547	539	533	539	550	563	566	566	566	560	554	549
5	552	553	554	558	560	554	554	556	554	554	549	554	550	548	539	539	545	554	571	580	581	571	565	561	557
6	561	558	553	553	554	549	548	550	552	554	554	553	548	539	533	527	536	550	556	566	570	566	560	560	552
7 D	566	566	562	565	556	553	561	564	560	561	564	566	556	539	550	558	569	570	583	558	583	571	570	569	563
8 D	550	562	555	565	544	556	550	551	555	559	553	527	551	549	522	527	539	545	547	557	557	551	581	576	551
9	555	559	555	550	554	562	564	559	552	549	555	555	551	545	538	522	523	527	555	564	577	570	578	591	555
10	557	550	561	551	559	564	557	545	524	529	555	550	544	533	540	540	535	544	555	567	561	556	560	561	550
11	555	545	544	550	555	558	559	559	556	555	555	554	550	544	532	528	532	543	545	554	570	573	570	567	552
12	565	561	565	561	562	562	561	561	560	555	554	555	554	540	529	527	533	543	549	549	551	555	564	565	553
13	565	558	559	557	562	560	557	559	561	549	553	550	549	555	543	530	530	534	546	550	555	562	568	566	553
14 Q	565	561	559	556	555	559	565	565	565	562	561	561	559	549	538	530	530	538	550	559	561	566	564	561	556
15 Q	557	559	555	555	555	555	554	554	550	551	556	559	555	549	537	530	534	545	561	570	576	578	577	573	556
16	570	567	567	568	567	561	557	562	562	562	562	557	553	546	540	537	545	553	570	574	582	583	589	570	563
17 D	567	563	550	555	556	558	565	565	561	562	561	555	545	530	545	511	527	530	563	557	577	578	573	572	555
18 D	568	553	533	519	517	529	555	551	551	550	541	523	549	544	522	518	523	524	541	539	541	559	559	558	540
19	554	552	562	550	555	538	549	542	556	550	533	550	549	545	543	540	539	540	549	555	567	555	565	571	550
20	558	550	545	545	550	545	545	548	545	534	545	549	543	533	522	520	526	535	550	551	565	565	555	554	545
21	555	550	553	549	546	545	549	550	551	550	550	544	534	530	528	537	547	555	561	561	561	571	559	565	550
22	563	560	559	561	549	550	549	543	543	555	550	550	543	530	529	529	538	538	553	571	561	562	560	563	550
23	557	560	562	556	554	550	551	550	545	541	553	554	549	538	528	522	522	535	549	560	567	561	560	551	549
24 Q	555	554	555	556	555	555	555	556	555	551	549	545	549	541	539	537	539	549	565	571	570	566	561	560	554
25	563	562	562	560	562	563	562	562	564	565	566	566	563	547	536	524	525	532	544	558	568	570	568	564	556
26	564	563	565	561	563	567	567	564	563	563	569	563	556	546	529	523	528	537	551	559	563	569	568	567	557
27 Q	565	567	567	564	567	567	567	564	563	561	562	559	553	542	532	525	526	535	555	566	573	579	574	569	558
28 Q	568	564	564	565	565	565	564	564	564	564	567	565	558	547	540	537	543	552	558	564	565	567	570	574	561
29	574	571	573	572	574	573	568	564	568	572	563	558	570	553	543	552	547	543	565	571	553	558	564	573	563
30	560	553	562	566	560	552	560	570	561	559	566	555	538	544	548	537	532	540	547	559	561	557	569	575	555
31	566	564	561	559	559	566	564	555	565	554	557	558	557	554	542	533	538	543	557	565	575	574	572	565	559
Mean	562	558	558	557	557	557	558	557	556	555	556	554	552	544	537	532	536	542	555	561	567	568	568	567	555

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 20 Agincourt   D = 7° W + ... '   July 1964

Hour U.T. \ Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	28.8	27.2	27.9	27.9	28.6	28.2	27.6	27.7	27.1	26.6	24.1	21.8	20.6	21.3	23.5	26.4	29.4	33.0	35.5	35.1	34.1	31.3	28.9	27.7	27.9
2	27.9	28.3	28.8	28.8	28.1	27.9	27.5	27.1	26.8	25.9	23.9	22.4	21.9	20.8	20.8	23.8	27.2	31.1	33.0	33.6	33.1	32.3	31.0	29.5	27.6
3 D	29.2	29.1	30.0	29.1	27.8	23.8	24.4	27.6	26.6	23.8	20.9	19.3	18.7	20.7	23.8	26.4	29.6	32.7	34.8	35.5	34.7	29.3	31.4	30.1	27.5
4	28.5	28.2	26.0	25.8	28.9	32.5	29.1	25.9	26.9	25.9	24.7	24.0	23.7	24.4	26.0	28.7	30.5	31.5	31.6	31.9	31.1	29.8	29.2	29.2	28.1
5	28.8	28.8	28.1	28.9	28.2	28.1	28.3	28.0	27.5	26.6	25.8	22.9	21.3	22.8	25.8	29.4	32.1	34.3	34.1	33.4	31.7	29.9	29.2	28.2	28.4
6	27.5	25.8	24.7	27.9	28.2	27.3	27.7	27.7	27.0	25.9	22.8	22.6	20.2	21.3	25.6	29.0	32.6	33.9	34.1	33.9	32.5	30.5	29.1	29.0	27.8
7 D	29.2	28.8	27.4	27.0	22.6	25.6	26.9	26.9	31.4	27.1	21.2	18.1	20.7	25.8	30.5	30.8	32.5	34.3	31.9	33.4	30.1	27.0	28.1	27.9	27.7
8 D	25.8	21.2	20.9	9.9	22.7	30.0	32.5	32.6	30.1	28.2	27.0	29.9	24.6	23.5	22.6	29.3	30.7	31.8	33.4	32.3	33.3	32.5	27.1	28.0	27.5
9	25.7	16.6	27.0	27.1	29.8	30.8	31.8	28.2	28.7	28.9	25.1	22.6	22.5	22.5	24.3	27.0	32.2	35.5	34.6	33.0	29.2	30.1	29.0	20.5	27.6
10	22.4	23.7	20.6	23.7	24.6	27.7	31.0	25.8	31.3	34.5	23.9	20.8	23.6	27.1	30.1	31.3	33.9	34.4	33.4	32.8	32.2	31.1	29.1	27.9	28.2
11	26.6	22.7	25.7	28.0	28.1	28.7	28.3	28.1	26.8	24.7	24.6	25.1	22.7	22.6	24.5	27.2	31.4	34.2	35.1	34.0	31.9	29.9	29.0	28.1	27.8
12	28.1	27.8	26.9	27.7	27.1	28.0	27.9	27.9	28.6	30.3	28.3	23.4	19.5	19.3	22.2	26.2	29.9	32.4	33.6	33.2	32.5	31.2	29.4	26.8	27.8
13	26.7	24.7	26.5	27.9	28.1	27.8	28.6	28.4	28.0	32.4	27.4	22.3	21.2	20.4	24.5	29.1	33.2	36.5	36.3	35.1	34.0	32.1	30.0	8.9	28.8
14 Q	28.6	28.1	27.8	28.1	28.0	29.0	30.9	29.0	28.7	26.9	24.6	22.5	20.6	21.6	23.6	27.2	31.6	33.3	32.9	33.1	31.6	29.9	28.2	27.7	28.1
15 Q	28.2	27.9	27.0	27.7	28.0	27.8	28.1	28.8	28.0	26.8	24.6	22.7	21.5	21.4	23.7	27.9	31.6	33.8	33.5	33.2	31.8	29.7	28.0	27.8	27.9
16	28.5	28.8	28.7	28.6	27.7	27.1	26.7	26.7	26.9	26.7	23.6	21.5	20.4	21.8	25.2	28.6	31.7	34.8	34.1	34.0	31.9	30.1	28.8	28.9	28.0
17 D	27.5	24.3	26.4	28.7	27.9	28.4	27.2	26.1	24.8	25.7	23.6	21.4	21.4	22.4	23.6	26.4	32.4	37.5	41.5	37.5	33.0	31.3	30.1	28.8	28.2
18 D	25.8	14.8	22.5	16.0	16.4	29.6	29.8	28.7	26.6	23.7	26.5	34.5	24.5	21.7	25.1	28.6	31.0	35.2	35.9	35.0	32.5	30.8	27.1	24.2	26.9
19	25.3	23.6	24.7	25.6	27.2	26.9	27.2	34.0	26.9	23.4	30.6	20.3	19.9	21.4	24.4	28.7	30.7	32.9	33.3	34.0	32.2	31.3	29.8	29.7	27.7
20	25.5	23.9	26.9	28.0	26.7	26.8	25.7	27.6	27.7	34.0	24.8	20.5	19.2	21.4	24.8	28.2	32.0	33.8	34.0	33.3	30.8	28.9	27.8	27.9	27.5
21	28.4	26.4	27.7	27.7	27.3	27.7	27.5	26.9	26.4	24.9	23.0	22.4	22.5	23.2	24.3	26.2	29.2	31.0	33.7	33.2	31.8	30.8	28.4	29.6	27.5
22	29.6	28.8	27.5	24.2	23.6	25.2	26.2	32.1	34.1	28.2	22.4	20.0	20.5	23.2	27.6	30.6	32.1	34.5	36.2	34.2	33.0	31.5	29.7	28.7	28.5
23	29.2	28.3	26.2	28.8	28.5	27.5	31.1	27.5	27.4	29.6	26.0	23.2	23.4	24.3	25.5	28.1	31.5	34.7	34.7	32.7	30.9	29.7	28.6	28.4	28.6
24 Q	27.8	28.1	28.2	27.5	27.5	28.1	28.1	27.7	27.5	27.5	24.4	23.4	21.3	23.3	27.3	31.9	34.2	36.2	35.1	33.0	30.8	28.8	27.6	27.3	28.4
25	27.5	28.8	28.8	28.4	28.5	30.0	27.4	26.9	26.6	25.5	23.1	20.1	19.5	19.3	23.1	27.7	32.0	34.8	35.8	34.5	31.9	29.4	27.8	27.4	27.7
26	27.3	27.9	28.2	27.3	25.6	26.9	27.3	27.3	27.0	26.4	23.6	22.0	20.2	20.1	23.6	28.8	30.9	33.0	34.2	34.5	32.1	30.6	28.6	27.7	27.6
27 Q	27.9	27.9	27.6	27.7	27.3	27.5	27.0	26.7	26.6	25.6	24.1	22.3	20.7	22.0	25.3	29.4	33.5	36.0	35.6	33.9	30.7	30.5	28.6	27.4	28.1
28 Q	27.6	26.8	27.3	27.5	27.7	27.8	27.5	27.3	26.6	25.6	23.3	21.2	20.4	20.9	23.5	28.6	32.2	33.7	33.9	33.9	33.1	30.8	28.8	28.3	27.7
29	28.3	28.3	27.7	27.4	26.5	25.7	25.4	25.4	24.1	22.2	21.3	22.2	21.3	20.0	26.5	31.1	31.3	35.6	36.1	35.6	35.7	31.5	28.8	27.7	27.7
30	26.8	23.1	26.1	26.8	23.3	25.2	28.7	29.2	22.5	23.3	20.1	20.1	22.2	25.2	26.4	27.1	30.9	33.2	35.3	34.2	33.8	31.5	28.7	26.5	27.1
31	24.4	24.3	26.4	26.4	26.8	28.2	26.6	34.1	28.8	28.7	29.4	22.5	20.3	21.3	23.3	26.8	29.6	30.7	32.1	32.9	32.6	30.9	28.8	26.7	27.6
Mean	27.4	25.9	26.7	26.5	26.7	27.8	28.1	28.2	27.5	27.0	24.5	22.5	21.3	22.2	24.9	28.3	31.4	33.9	34.5	33.9	32.3	30.5	28.9	27.8	27.9

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

Table 21   Agincourt   Z=56,000 γ +   July 1964

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	91	90	90	88	88	90	89	89	89	91	92	91	86	85	81	81	85	82	80	81	85	91	92	92	88
2	91	90	88	88	88	89	89	89	90	91	92	93	90	89	88	84	85	83	83	87	91	92	90	91	89
3 D	89	86	89	90	85	75	79	75	74	82	92	89	85	77	76	77	73	76	79	82	100	120	127	127	88
4	120	118	103	96	83	51	59	85	93	91	96	95	95	94	91	86	87	84	90	94	96	101	101	99	92
5	97	96	94	90	86	87	90	92	92	92	90	92	90	88	90	94	89	91	93	95	94	101	97	96	92
6	95	91	90	92	91	89	91	92	95	96	95	94	92	91	95	92	83	83	89	92	95	97	97	94	92
7 D	91	93	95	80	64	85	92	91	82	75	79	84	84	84	75	71	74	75	84	88	101	118	124	134	88
8 D	118	99	97	65	45	58	51	65	79	88	89	78	82	79	74	78	78	79	87	104	116	112	118	117	85
9	107	94	91	92	87	72	64	82	82	84	93	95	93	88	84	80	83	76	79	88	104	106	106	107	89
10	103	98	71	64	72	59	50	49	51	48	59	75	80	83	86	82	78	74	77	88	94	94	97	94	76
11	95	96	93	93	91	90	86	85	85	87	90	88	85	77	74	76	80	84	87	88	93	93	96	94	88
12	91	90	87	86	86	86	85	86	85	81	79	80	81	78	69	68	71	75	78	80	89	91	94	92	83
13	91	88	84	88	88	85	82	78	78	67	63	69	72	74	77	75	76	77	82	86	93	96	99	95	82
14 Q	87	88	87	87	87	86	87	85	86	89	92	89	88	89	93	92	86	84	84	87	93	95	94	89	89
15 Q	86	87	86	86	85	86	86	84	86	88	90	88	86	89	92	92	85	83	83	86	92	94	94	88	88
16	84	83	83	83	83	83	83	85	84	84	87	86	84	82	82	83	77	75	77	84	93	97	98	93	85
17 D	89	86	87	88	87	82	82	83	85	83	82	76	75	71	72	64	69	78	95	99	98	99	94	92	84
18 D	98	91	69	27	16	-3	49	75	86	88	76	38	52	66	65	66	73	83	87	90	91	97	99	96	70
19	91	91	76	75	81	59	44	60	73	71	49	63	72	75	74	66	60	62	69	73	85	97	107	110	74
20	112	92	93	96	88	85	84	85	80	65	70	81	84	86	85	82	79	80	85	87	87	86	84	83	85
21	84	84	84	81	82	82	81	82	81	83	83	81	79	80	74	71	74	79	86	87	92	96	93	85	83
22	81	80	80	74	75	65	70	64	49	68	76	79	79	82	85	79	76	73	81	86	87	91	91	90	77
23	86	83	78	78	79	79	73	75	80	82	84	84	80	77	73	72	70	70	74	80	90	90	89	84	80
24 Q	81	79	79	79	78	79	80	79	80	78	78	79	79	78	74	74	69	66	69	80	84	86	85	81	78
25	82	83	82	82	82	81	73	74	78	78	76	78	77	72	72	71	72	76	78	79	86	90	86	83	79
26	81	79	78	79	79	78	75	74	78	80	83	83	80	77	78	72	69	71	76	81	85	89	89	84	79
27 Q	78	77	77	78	78	76	76	76	78	78	81	81	80	79	77	77	76	74	77	82	85	85	79	78	78
28 Q	78	78	78	78	78	78	77	77	77	78	83	82	88	80	73	68	60	57	66	77	79	82	82	77	76
29	75	75	75	75	75	74	77	73	74	71	72	67	59	57	58	62	63	63	72	79	90	90	88	84	73
30	85	90	85	83	79	66	63	62	71	79	79	79	76	77	76	66	55	60	68	83	89	90	94	94	77
31	87	84	85	84	75	71	77	68	72	73	78	74	79	78	78	79	77	78	83	82	85	89	92	95	80
Mean	91	88	85	81	79	75	76	78	80	80	82	81	81	80	79	77	75	76	81	86	92	95	96	94	83

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

Table 22 Agincourt   H = 15,500 γ +   August 1964

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	564	555	559	559	558	561	559	559	559	559	561	559	553	539	531	527	530	538	545	555	565	571	571	566	554
2	564	563	561	559	559	555	555	558	559	559	559	558	548	537	527	524	537	552	571	582	581	585	578	569	558
3	559	565	569	566	559	564	560	561	565	566	566	559	553	544	527	526	538	549	561	569	576	581	580	586	560
4 D	580	587	609	580	531	490	501	504	516	553	533	542	539	520	494	494	517	537	554	561	559	558	549	560	540
5 D	555	559	559	561	559	559	560	557	553	548	548	554	533	531	520	508	528	549	553	567	555	559	558	562	550
6	554	550	555	556	538	546	560	556	555	554	554	550	543	533	522	521	537	556	566	569	570	566	564	558	551
7	559	559	556	545	533	520	534	550	547	550	556	555	538	559	544	533	531	543	560	564	560	561	560	561	549
8	561	560	559	559	560	568	560	560	560	560	560	559	555	546	538	530	533	539	543	550	566	573	566	563	555
9	560	556	555	543	541	555	564	564	564	565	566	566	556	543	534	539	539	539	548	552	564	566	559	560	554
10 Q	560	565	562	567	565	566	565	568	565	563	565	565	559	546	529	521	531	546	559	569	574	572	570	565	559
11 D	565	581	577	559	559	566	563	568	559	558	564	565	555	535	527	522	527	529	541	549	569	562	576	574	556
12 D	554	559	565	564	564	565	571	565	553	559	563	559	555	539	527	521	528	539	555	548	563	559	571	563	555
13	554	558	557	562	563	562	563	555	553	557	559	557	549	542	537	532	533	541	553	568	569	566	572	562	555
14	564	564	564	559	561	560	559	558	558	553	553	556	552	543	537	532	533	536	546	564	561	567	573	571	555
15 Q	562	568	564	564	570	562	562	560	558	558	559	558	548	536	527	528	536	548	565	569	563	558	559	562	556
16	559	554	568	573	570	570	564	560	564	562	562	558	548	537	527	529	538	554	568	575	584	589	574	570	561
17	567	564	553	562	563	559	559	559	561	559	562	559	551	536	518	505	516	530	551	561	569	569	569	573	553
18	570	568	570	568	564	567	562	569	568	562	558	560	553	540	525	524	532	546	557	571	568	569	564	566	558
19	563	564	563	564	564	567	568	563	559	559	552	557	562	553	540	524	531	542	557	567	567	574	572	553	558
20	561	559	561	564	567	562	563	563	561	558	558	557	551	543	536	535	546	557	569	574	574	563	567	564	559
21	564	563	563	564	569	566	564	564	563	566	567	557	552	546	530	543	547	562	583	585	579	572	570	574	563
22	568	564	551	554	553	561	563	557	557	557	552	562	563	553	539	532	541	543	563	570	578	565	564	559	557
23	557	561	563	567	567	564	566	567	567	565	563	562	557	547	537	538	544	552	558	567	571	574	573	569	561
24 Q	568	569	567	568	567	565	567	564	564	567	569	567	557	545	536	535	542	551	561	566	567	573	573	578	562
25	574	574	571	563	562	567	567	564	563	563	567	567	557	536	520	526	538	556	569	577	580	574	573	572	562
26	561	552	561	573	559	552	551	557	555	559	564	562	550	531	526	524	538	552	569	573	579	591	561	563	557
27	553	562	565	564	556	560	562	559	558	562	560	558	543	527	526	533	544	554	565	572	579	570	569	564	557
28 Q	564	563	563	564	563	562	559	559	561	562	562	559	551	537	530	532	545	557	566	572	574	570	568	567	559
29	566	566	569	569	569	571	571	571	571	565	562	566	554	538	528	526	534	544	553	563	580	574	569	571	560
30 Q	570	569	566	565	564	564	565	565	565	562	563	560	554	547	541	538	544	559	571	577	582	581	580	576	564
31 D	573	570	566	563	560	556	555	555	556	555	560	549	535	545	538	539	543	554	564	571	576	566	579	545	557
Mean	563	564	564	563	559	558	559	559	559	560	560	559	551	540	530	527	536	547	559	567	571	570	569	566	557

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 23   Agincourt $D = 7° W + \ldots$ '   August 1964

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	23.4	24.6	26.1	27.6	27.7	27.6	28.3	29.4	26.7	25.5	24.2	22.3	21.8	22.1	23.7	26.8	30.3	32.8	34.5	35.1	33.0	30.5	28.6	27.5	27.5
2	28.1	28.7	28.8	28.9	29.6	27.7	28.5	28.2	27.5	26.8	25.6	24.4	24.7	25.4	27.8	30.8	34.1	35.1	34.1	33.6	30.9	28.4	26.7	27.4	28.9
3	28.5	28.5	28.2	25.8	26.7	27.1	26.6	26.8	26.5	25.6	24.1	22.1	21.8	22.0	25.5	29.6	33.7	34.9	33.6	31.8	29.7	28.6	27.5	27.4	27.6
4 D	28.2	27.1	14.3	21.2	21.4	-4.2	23.5	37.5	36.1	27.9	30.9	23.8	22.3	23.7	28.5	30.6	34.9	34.8	32.8	30.9	29.9	28.5	26.5	26.2	26.6
5 D	28.4	27.9	25.6	29.9	29.7	29.4	27.8	27.7	28.7	28.8	30.5	21.2	23.3	24.0	26.4	33.6	35.1	37.3	36.4	34.1	32.6	27.9	25.3	34.1	29.4
6	26.8	25.3	20.0	25.5	24.4	32.6	28.8	28.4	27.7	27.4	25.6	24.2	23.9	24.3	26.5	30.6	33.8	35.8	35.1	32.9	32.8	30.4	27.8	26.5	28.2
7	24.6	24.4	19.9	23.4	21.3	25.2	21.3	24.8	23.4	24.3	23.1	24.3	30.6	24.6	25.2	28.4	33.6	36.1	36.0	35.1	32.8	29.5	27.4	26.1	26.9
8	26.6	27.3	25.3	27.6	27.5	27.8	27.5	28.7	28.6	27.3	25.4	23.4	22.2	22.0	24.2	27.6	31.5	34.7	36.0	35.6	32.6	29.5	27.5	26.5	28.0
9	26.4	26.6	25.4	21.3	23.6	27.7	29.4	28.7	27.9	26.7	24.6	22.0	20.1	20.9	25.3	29.5	33.9	36.0	37.7	38.7	34.2	30.7	28.4	26.9	28.0
10 Q	27.7	27.7	27.9	27.8	27.6	27.8	28.7	32.1	28.7	27.6	25.5	23.4	22.1	22.1	24.5	29.7	34.1	36.9	36.4	34.4	31.9	29.6	28.2	27.7	28.8
11 D	27.9	27.5	24.0	24.4	26.7	26.6	25.5	26.1	24.8	21.8	19.0	17.2	16.9	18.9	22.6	32.0	32.3	34.6	38.9	37.5	31.0	32.8	22.5	24.3	26.5
12 D	27.9	24.7	23.8	27.9	29.2	29.7	28.8	26.9	37.0	24.6	19.6	19.3	20.3	21.7	27.7	32.0	34.3	36.5	38.5	38.3	34.5	32.1	29.8	27.8	28.9
13	24.8	27.5	28.2	28.1	27.6	31.7	29.9	27.1	29.0	28.0	25.7	24.0	23.6	24.7	26.8	29.2	31.3	32.5	33.5	33.0	33.0	31.3	27.9	26.8	28.6
14	28.9	29.3	29.4	29.4	29.1	29.0	28.2	28.0	27.0	27.9	26.0	24.6	22.9	23.7	24.7	28.0	31.8	34.4	35.6	36.1	35.4	32.4	31.1	29.1	29.2
15 Q	28.7	29.4	30.0	29.4	30.3	28.3	28.1	28.0	27.2	26.3	25.3	23.6	22.7	23.0	25.2	29.2	32.3	33.9	33.4	32.5	32.3	31.3	29.4	28.4	28.7
16	29.0	28.3	28.1	29.4	29.2	29.1	28.3	26.5	26.2	25.4	24.4	23.0	22.0	22.8	25.0	30.8	36.7	38.0	37.9	35.9	32.9	30.9	29.5	29.3	29.1
17	29.4	30.7	29.8	28.1	29.3	29.6	28.9	28.4	27.6	26.4	25.3	24.2	23.2	23.4	25.6	29.4	35.7	39.0	37.8	35.1	32.1	30.0	29.3	29.4	29.5
18	30.2	31.6	29.9	29.7	29.7	28.9	28.9	28.7	25.4	24.4	24.3	22.2	22.2	23.9	27.4	31.9	38.0	36.4	39.1	35.8	33.0	30.4	28.6	28.5	29.5
19	29.5	29.8	29.7	29.6	28.9	29.4	29.5	29.5	28.8	27.3	29.8	28.8	23.3	21.5	25.3	29.9	34.8	35.9	37.1	36.0	33.5	31.1	29.9	29.3	29.9
20	28.9	29.9	29.5	28.9	28.5	28.8	28.7	28.5	28.0	27.7	26.6	24.7	24.0	24.5	28.2	33.5	37.2	37.9	36.5	35.0	32.6	30.7	28.9	28.9	29.9
21	29.4	29.6	29.5	28.8	29.6	29.3	28.5	27.6	26.6	26.3	25.1	24.4	25.2	26.4	29.0	33.7	36.8	36.2	35.2	33.8	31.3	29.7	28.8	29.4	29.6
22	29.6	29.5	24.9	28.4	27.3	29.7	27.9	26.4	23.2	23.1	29.8	28.4	24.4	24.2	27.7	33.1	35.8	35.2	35.0	34.0	31.9	29.8	28.8	28.7	29.0
23	28.6	28.4	29.5	29.8	29.7	29.5	29.6	28.7	27.9	27.5	27.8	24.4	22.3	23.1	26.7	32.6	36.9	37.9	36.9	35.2	32.9	29.9	28.5	28.6	29.7
24 Q	29.6	29.7	29.6	29.6	29.5	29.0	29.6	28.7	28.5	27.7	26.5	24.4	22.6	23.3	27.5	32.6	35.1	36.2	35.9	35.1	32.9	30.5	28.9	28.8	29.7
25	29.2	29.2	29.3	29.8	28.6	28.6	28.0	27.8	27.3	26.6	25.3	23.5	22.0	21.9	25.4	33.9	37.9	41.2	31.9	38.4	33.9	30.8	29.0	28.6	29.5
26	30.4	30.7	30.2	27.7	28.3	29.3	36.1	26.8	25.1	25.7	24.5	22.4	21.1	21.0	26.7	32.0	35.5	36.9	37.0	35.1	32.5	31.4	29.6	29.1	29.4
27	29.5	29.7	29.6	29.4	30.2	30.7	30.9	27.5	25.7	21.2	20.9	21.0	21.2	24.4	27.2	33.1	35.1	37.2	35.8	33.2	31.6	29.3	28.3	28.6	28.8
28 Q	29.3	29.5	29.6	29.6	29.4	28.6	28.7	28.5	28.4	27.7	26.4	24.9	23.3	24.1	27.6	31.9	34.8	34.9	34.7	33.4	31.6	30.5	29.3	29.5	29.4
29	28.1	29.2	29.3	29.4	29.3	29.2	28.5	28.2	27.3	27.3	28.3	23.2	21.9	22.3	25.5	31.3	34.7	35.0	33.7	31.6	30.3	29.4	28.4	28.7	28.7
30 Q	29.2	29.3	29.3	28.6	28.6	28.6	28.3	27.2	26.9	26.3	26.2	22.9	21.4	22.7	25.0	28.4	31.5	33.8	34.7	34.4	33.3	31.3	30.2	29.5	28.7
31 D	29.4	27.4	27.0	23.7	25.8	24.1	24.8	25.2	24.9	22.8	23.9	24.2	28.9	26.1	28.0	30.5	31.9	33.9	34.3	33.6	32.6	31.7	30.1	27.3	28.0
Mean	28.3	28.4	27.2	27.7	27.9	27.6	28.3	28.1	27.6	26.1	25.5	23.4	22.8	23.2	26.2	30.8	34.4	35.9	35.7	34.7	32.4	30.4	28.4	28.2	28.7

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

Table 24 Agincourt   Z = 56,000 γ +   August 1964

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	94	90	85	79	81	84	84	83	82	84	88	87	86	85	82	77	70	70	78	86	94	95	90	88	84
2	88	86	85	85	83	81	83	85	84	85	86	84	80	78	78	77	78	82	96	96	93	92	90	90	85
3	85	83	82	83	82	83	83	83	84	83	83	83	82	79	74	78	80	77	77	82	85	90	88	83	82
4 D	79	83	85	74	19	1	16	4	-2	66	64	56	68	78	79	94	95	93	90	92	95	96	96	95	67
5 D	93	93	88	74	62	76	81	81	83	77	74	78	72	74	77	73	82	90	91	106	108	106	101	100	85
6	94	91	72	67	53	50	68	80	82	83	84	83	83	83	83	82	79	85	90	93	95	94	95	93	82
7	93	91	74	71	66	49	56	58	68	78	87	84	74	68	68	72	74	79	85	89	93	95	94	94	77
8	90	89	84	85	83	75	78	81	83	83	85	85	83	83	79	77	78	79	85	95	96	100	99	96	85
9	93	90	84	73	71	79	83	83	83	83	84	85	83	82	79	83	84	87	90	94	95	104	101	96	86
10 Q	90	88	85	79	77	77	77	73	73	80	83	85	84	83	82	79	83	84	89	91	94	93	88	84	84
11 D	83	85	81	83	85	60	35	46	67	80	85	82	77	76	66	68	66	70	79	96	112	112	121	104	80
12 D	100	88	72	78	83	78	77	79	38	52	77	79	79	77	76	72	74	76	81	85	95	98	96	94	79
13	87	83	81	78	73	62	60	71	76	78	82	82	81	79	81	78	78	73	73	82	87	88	90	88	79
14	85	83	82	83	82	81	81	81	80	82	79	82	80	78	76	75	73	79	82	89	93	95	91	88	82
15 Q	86	85	84	83	73	76	81	81	81	82	83	84	82	79	81	78	76	76	79	83	84	83	84	86	81
16	83	82	81	78	77	77	76	77	80	79	80	80	79	76	71	71	77	82	80	80	80	82	81	81	79
17	81	83	88	80	76	79	80	78	79	79	81	81	77	76	72	70	75	76	81	81	82	81	81	81	79
18	80	79	80	81	83	80	75	71	75	76	79	81	81	83	77	71	70	75	77	77	80	83	82	81	78
19	78	78	78	78	77	77	75	70	74	78	80	78	77	75	74	71	76	77	81	87	88	91	89	86	79
20	84	83	82	80	78	78	79	78	78	78	82	82	81	80	78	77	79	81	78	80	82	83	81	78	80
21	76	77	77	76	73	72	73	75	76	77	78	78	77	78	77	72	70	73	79	78	82	82	80	78	76
22	77	79	78	81	79	76	69	76	82	81	82	73	72	71	69	67	71	72	78	84	90	87	87	82	78
23	82	82	82	81	79	79	78	79	79	78	77	78	77	78	78	77	79	85	90	94	91	89	84	79	81
24 Q	78	78	76	77	77	75	74	74	75	75	79	80	79	77	78	79	75	75	80	83	80	78	74	73	77
25	74	75	76	76	80	79	76	76	75	75	76	79	78	75	71	70	70	75	79	80	81	81	81	81	77
26	87	92	88	75	74	80	60	70	80	83	85	85	82	81	80	77	79	80	83	85	86	89	93	95	82
27	94	88	86	83	84	86	82	82	81	76	82	81	80	79	80	75	77	80	80	83	84	85	85	83	82
28 Q	83	83	82	82	81	81	81	81	81	81	83	84	83	81	76	74	75	81	86	90	87	88	84	83	82
29	82	83	81	81	78	81	78	79	78	77	81	82	81	76	76	76	81	79	83	89	92	90	86	82	81
30 Q	82	83	82	84	83	83	79	81	80	79	79	79	78	77	78	82	82	83	84	88	84	83	83	79	82
31 D	81	79	77	73	71	62	67	73	78	79	84	82	77	72	73	71	71	72	77	82	87	88	93	109	78
Mean	85	84	81	79	75	73	72	74	75	78	81	81	79	78	76	76	77	79	83	87	90	90	89	87	80

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

Table 25 Agincourt

H = 15,500 γ +

September 1964

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		551	561	555	556	546	544	550	551	557	562	567	561	551	539	534	534	535	548	567	574	571	564	556	557	554
2		567	566	562	569	563	562	562	561	564	565	563	561	556	542	541	542	547	555	562	568	564	567	564	569	560
3		558	566	563	564	563	557	562	564	567	568	569	565	557	546	536	532	536	552	557	563	555	566	569	575	559
4		577	575	567	574	569	574	573	568	565	565	568	558	566	549	536	536	546	552	563	563	562	564	562	563	562
5		559	574	564	583	559	563	563	563	563	559	563	562	552	538	528	526	531	541	553	564	570	572	569	564	558
6		563	563	564	564	563	567	563	565	564	569	573	569	558	537	530	531	534	543	552	564	590	569	548	561	559
7	D	557	557	568	569	567	576	565	564	562	563	557	526	562	558	541	523	511	520	547	575	590	579	553	563	556
8	D	562	562	569	557	552	561	556	533	566	568	547	552	550	547	530	524	529	535	551	572	564	568	564	568	554
9		567	568	575	582	572	551	560	557	560	554	551	540	534	526	512	498	495	506	523	544	554	561	559	551	546
10		541	532	555	551	554	551	555	555	555	556	555	554	561	543	539	532	528	544	555	563	570	561	561	556	551
11		557	548	550	547	555	559	557	556	556	556	556	555	549	539	530	520	519	523	535	546	556	559	552	551	547
12		551	551	551	551	548	549	547	550	551	551	551	547	541	535	530	528	534	545	550	556	555	551	549	550	547
13	Q	551	552	552	551	550	551	551	551	552	551	551	549	545	536	534	536	544	551	557	557	552	548	551	552	549
14	Q	554	552	552	551	551	551	551	552	552	552	551	549	545	536	529	523	530	541	548	553	552	552	552	551	547
15	Q	556	557	556	556	552	551	556	557	559	559	563	559	553	541	526	517	518	526	541	556	558	558	559	564	550
16		570	568	563	558	547	547	554	552	552	557	559	562	550	531	531	538	539	545	547	558	549	548	542	543	551
17		543	543	552	553	552	551	551	549	549	551	553	552	543	534	521	522	523	529	537	544	547	548	552	549	544
18		548	549	551	553	553	553	555	554	555	554	558	553	544	527	526	527	528	539	550	554	558	555	555	558	549
19	Q	559	558	559	555	554	554	554	554	555	557	558	554	548	538	533	532	534	547	560	568	569	565	560	560	554
20	Q	562	562	562	562	561	561	561	561	561	561	560	556	552	546	540	535	534	538	544	553	562	561	556	559	555
21		562	562	562	562	562	562	562	566	567	568	567	566	566	559	552	544	543	551	561	568	577	574	570	577	563
22	D	583	550	525	554	529	544	540	535	530	535	541	540	536	529	520	518	514	521	533	542	557	557	552	552	539
23		552	545	548	547	542	546	541	536	549	550	557	551	550	541	534	531	539	549	561	567	568	566	552	552	549
24		552	552	552	550	556	550	551	552	552	542	547	556	552	543	530	519	527	539	551	546	553	561	559	557	548
25		551	544	547	547	552	556	553	552	551	552	556	553	546	539	530	524	528	542	552	554	557	557	555	556	548
26		554	555	555	553	552	552	555	555	551	555	556	553	548	541	534	524	521	525	535	546	559	561	561	561	548
27		561	560	559	557	555	555	555	556	560	562	564	562	560	551	540	535	539	551	562	568	573	562	555	535	556
28	D	541	539	552	539	539	554	555	541	527	544	562	555	539	513	495	521	493	534	546	539	538	538	533	541	537
29		544	547	543	541	543	548	539	543	545	548	550	548	544	539	534	533	536	544	548	550	553	553	553	543	544
30	D	548	550	551	548	524	496	511	521	532	548	553	550	539	523	517	522	530	533	533	545	548	546	536	541	535
31																										
Mean		557	556	556	557	553	553	554	552	554	556	558	554	550	539	530	528	529	539	549	557	561	560	555	556	551

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 26 Agincourt $D = 7° W + ...'$ September 1964

Hour U.T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	26.0	27.1	19.3	26.9	24.1	27.6	25.7	32.9	30.2	27.6	25.5	23.9	23.5	23.3	25.4	28.9	32.2	34.0	33.1	31.9	30.9	30.1	27.7	27.0	27.7
2	16.8	24.6	23.3	28.0	28.6	28.0	29.7	30.0	27.4	26.8	27.0	24.5	23.2	24.1	27.8	30.9	33.6	24.6	23.6	31.7	28.9	28.0	28.9	28.2	27.0
3	25.2	25.6	28.7	27.8	27.3	27.0	30.1	29.8	27.6	27.0	25.8	24.6	22.8	23.8	27.5	30.7	34.0	34.7	35.2	33.8	30.6	29.7	28.8	28.7	28.6
4	28.8	28.7	28.6	28.8	28.1	28.8	32.0	29.6	27.6	29.0	26.4	28.7	22.3	22.7	28.3	32.2	35.0	36.4	35.6	33.9	31.0	26.5	26.7	28.5	29.3
5	27.6	26.6	27.9	27.6	27.8	28.9	28.2	27.9	27.6	26.9	26.0	23.3	21.6	22.7	26.0	30.7	33.0	34.2	33.8	31.6	29.6	27.8	26.9	27.0	28.0
6	27.7	28.2	29.0	28.8	28.9	29.8	28.2	26.8	27.0	25.0	23.5	20.6	19.6	20.7	26.1	29.9	31.6	34.5	35.2	33.7	31.6	30.6	31.1	29.1	28.2
7 D	29.4	29.3	30.1	28.9	28.8	28.2	26.0	23.8	21.1	22.4	20.7	26.9	24.5	22.6	25.9	30.2	35.8	41.4	41.8	34.7	33.6	34.1	29.8	26.4	29.0
8 D	30.9	27.5	19.8	26.8	32.2	33.0	28.1	36.4	28.2	23.9	25.3	25.2	22.9	22.9	24.9	30.2	34.0	34.2	32.9	32.5	31.9	30.0	29.2	25.4	28.7
9	27.8	28.9	27.8	26.8	28.1	27.1	29.9	29.4	29.2	29.2	29.3	26.9	25.2	23.1	25.8	31.2	36.5	38.9	38.5	36.5	35.0	26.9	25.2	25.9	29.6
10	20.7	20.8	21.6	27.1	28.0	29.1	29.0	28.5	27.2	26.4	25.9	23.7	22.1	22.1	24.2	26.8	31.1	33.6	34.6	32.5	30.5	29.0	28.3	27.2	27.1
11	25.9	23.2	25.3	27.7	28.3	29.4	28.3	26.9	26.0	25.9	25.1	23.3	21.9	22.3	24.1	27.5	30.3	32.2	32.6	31.5	29.4	28.0	27.1	27.6	27.1
12	27.6	26.6	26.2	26.5	27.2	26.6	26.1	26.0	25.3	24.5	24.3	23.0	22.0	22.2	23.3	26.0	28.4	29.5	29.4	28.4	27.4	27.3	27.5	27.9	26.2
13 Q	27.6	27.6	27.4	26.6	27.1	27.2	26.5	26.0	25.3	25.5	25.1	24.3	23.9	24.6	26.3	28.6	31.2	32.0	31.2	29.5	28.2	27.4	27.6	27.9	27.3
14 Q	27.7	27.6	27.6	27.6	27.3	27.3	26.9	26.6	26.3	25.8	25.7	25.0	24.1	23.9	26.0	28.1	30.8	31.7	31.7	30.4	28.8	28.3	27.7	27.0	27.5
15 Q	26.9	26.8	26.8	26.8	26.9	26.8	26.7	26.4	25.7	25.3	24.5	23.1	21.5	22.2	23.6	26.9	29.8	32.7	32.6	31.2	29.6	27.6	26.8	26.7	26.8
16	27.2	27.1	27.4	26.2	24.7	26.3	24.5	24.1	24.2	23.7	22.3	20.4	19.1	18.5	25.6	31.7	33.5	35.1	36.8	37.5	34.7	33.9	29.7	26.8	27.5
17	25.5	25.1	25.3	27.4	25.3	26.3	26.3	25.6	25.5	24.3	23.7	22.3	21.1	20.5	23.6	28.7	31.2	33.3	33.0	29.9	27.9	25.6	25.4	25.8	26.2
18	25.7	26.1	26.4	27.2	27.4	27.4	26.8	25.8	25.5	26.3	23.8	23.1	21.5	22.2	24.7	28.0	30.1	32.4	33.0	30.4	28.4	26.5	26.3	27.2	26.8
19 Q	27.6	27.5	27.4	27.5	27.1	27.4	26.7	25.7	24.7	24.1	23.5	22.7	22.1	23.0	24.6	28.7	31.9	33.1	32.0	29.5	26.9	25.7	26.3	27.4	26.8
20 Q	27.7	27.5	27.5	27.5	27.3	26.8	26.4	25.6	25.4	25.3	24.7	23.6	23.2	23.4	24.8	27.1	29.3	30.9	31.0	30.5	29.2	27.7	27.6	27.4	27.0
21	26.7	26.6	27.3	27.1	26.2	27.3	26.2	25.5	25.5	23.1	23.5	22.4	21.2	21.4	23.5	27.3	29.4	31.1	31.6	29.7	27.6	26.6	26.8	27.5	26.3
22 D	27.4	25.6	21.0	30.1	23.3	26.1	23.4	22.3	26.5	25.1	23.4	22.1	21.1	21.9	23.4	27.2	30.1	33.1	32.9	31.8	30.7	28.5	26.5	27.4	26.3
23	27.4	26.0	26.2	27.4	26.5	26.5	29.2	32.9	25.2	21.6	22.3	22.9	23.2	22.9	24.2	27.6	29.6	30.7	30.3	28.6	27.3	27.0	28.1	28.5	26.8
24	27.5	27.1	26.5	25.5	25.9	27.2	25.4	25.8	25.2	27.5	27.1	23.9	21.8	22.4	24.2	27.0	30.4	32.1	32.4	31.5	29.6	28.4	27.2	27.1	27.0
25	27.1	26.3	26.1	27.1	27.8	26.4	25.9	26.3	26.8	26.1	25.9	25.0	24.1	24.1	25.1	27.3	29.7	31.4	31.0	29.9	29.3	28.5	28.1	26.0	27.1
26	26.8	25.0	26.1	26.5	26.2	26.7	26.1	26.1	29.1	26.3	24.2	23.9	23.6	22.2	22.9	23.9	24.8	26.6	28.3	28.7	28.8	27.9	27.1	27.0	26.0
27	26.1	26.0	26.1	26.1	26.1	26.1	26.9	26.8	24.9	24.8	25.1	24.7	23.6	23.0	23.6	26.1	28.6	30.7	31.0	29.3	28.8	29.8	31.3	31.1	26.9
28 D	26.0	23.9	17.4	23.9	25.8	29.3	24.7	20.4	28.3	20.0	21.4	21.3	22.4	24.8	26.2	27.7	34.5	33.8	32.5	31.0	28.3	28.9	24.6	25.7	25.9
29	26.6	26.8	26.7	25.6	25.7	25.9	26.0	27.1	25.3	25.1	25.0	24.5	23.9	23.9	24.7	25.5	27.1	28.4	28.5	28.0	27.0	26.8	26.8	26.9	26.2
30 D	27.0	25.9	26.5	25.4	18.3	15.3	19.0	22.5	23.3	19.7	22.6	22.5	23.4	27.0	29.8	30.1	32.2	32.0	32.4	30.0	27.6	27.0	25.8	23.2	25.4
31																									
Mean	26.6	26.4	25.8	27.1	26.7	27.2	26.8	27.0	26.2	25.1	24.6	23.7	22.5	22.8	25.2	28.4	31.3	32.6	32.6	31.3	29.6	28.3	27.6	27.2	27.2

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

Table 27 Agincourt $Z = 56,000\ \gamma\ +$ September 1964

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	100	92	84	50	62	59	44	41	72	81	84	84	82	80	79	77	77	84	89	91	95	99	103	103	80
2	87	82	82	71	74	82	77	77	79	82	82	82	81	80	81	73	73	79	82	83	84	87	87	88	81
3	88	87	88	84	83	79	83	83	83	84	84	83	83	79	78	79	80	80	82	88	95	92	87	85	84
4	83	83	82	71	71	75	70	70	76	74	70	66	67	67	67	71	73	82	85	86	89	99	98	93	78
5	89	81	83	64	67	78	81	82	79	82	86	83	82	81	77	76	78	82	83	83	87	87	86	83	81
6	83	83	82	82	81	76	78	81	81	82	83	86	84	81	77	80	81	81	83	87	89	94	106	110	85
7 D	110	110	98	89	86	83	70	66	61	67	71	54	59	60	63	66	72	84	94	116	111	106	131	109	85
8 D	93	91	82	80	73	61	54	28	58	70	71	82	76	80	77	76	76	77	87	92	93	94	91	89	77
9	83	83	76	54	50	71	78	76	76	76	70	70	75	81	81	79	81	82	83	94	99	105	96	92	80
10	89	83	70	83	83	83	82	82	82	82	82	83	82	78	81	77	77	78	82	86	84	82	83	83	81
11	82	81	82	83	82	77	75	78	78	80	80	81	79	75	71	72	77	77	77	81	81	81	80	80	79
12	80	78	76	77	77	80	80	80	80	79	79	79	77	76	75	71	71	75	79	81	81	77	75	77	78
13 Q	77	77	77	76	76	77	77	77	75	75	75	75	75	74	74	71	71	75	80	82	82	80	80	81	77
14 Q	80	78	79	78	78	79	78	77	77	76	77	79	78	77	81	80	77	77	80	79	81	82	80	80	79
15 Q	79	77	77	76	76	77	77	77	76	76	76	75	73	72	74	74	75	78	81	83	81	82	78	76	77
16	75	72	75	77	81	82	80	77	76	72	75	74	71	66	63	63	71	75	82	91	96	99	93	92	78
17	92	90	83	82	77	80	77	77	77	77	81	82	79	75	71	71	71	75	80	85	86	85	85	82	80
18	82	81	80	77	77	78	77	77	77	75	76	75	70	66	66	69	71	75	80	81	81	80	78	77	76
19 Q	76	75	75	75	74	74	75	75	75	74	75	75	73	71	70	70	73	73	75	76	80	76	74	75	74
20 Q	75	75	75	75	75	75	75	74	74	74	74	73	72	72	72	72	72	74	77	77	76	74	75	75	74
21	76	75	74	73	73	72	73	75	71	72	72	71	67	66	62	64	66	67	70	70	72	72	71	72	71
22 D	72	72	48	-59	86	87	87	81	72	70	74	77	77	76	76	76	76	76	81	83	83	78	78	78	71
23	78	81	78	78	77	77	71	46	56	70	70	70	76	73	72	72	71	74	77	76	76	75	76	78	73
24	76	77	76	76	74	76	76	76	72	64	61	66	67	70	72	73	73	70	73	81	87	82	80	78	74
25	81	82	81	78	72	75	75	76	76	75	76	76	75	75	77	76	75	73	74	75	76	78	78	78	76
26	77	76	75	75	76	76	76	76	69	67	71	73	75	74	72	70	72	72	76	78	78	77	76	74	74
27	73	73	72	72	72	73	70	68	67	70	71	71	71	71	68	67	68	70	73	73	73	84	94		72
28 D	94	101	88	78	58	42	67	65	28	5	13	54	62	71	69	78	106	87	82	87	·96	93	94	93	71
29	88	85	84	84	82	72	71	71	77	78	79	79	77	77	77	76	75	77	77	79	79	77	79	80	78
30 D	82	81	79	77	64	57	57	58	57	67	79	78	77	75	79	79	77	81	80	84	84	86	88	90	76
31																									
Mean	83	82	79	71	75	74	74	72	72	73	74	75	75	74	73	73	75	77	80	84	85	85	86	85	77

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

Table 28 Agincourt $H = 15,500 \ \gamma \ +$ October 1964

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	546	548	550	544	560	539	540	538	543	553	554	550	543	537	528	530	537	545	552	550	550	551	549	550	545
2	548	547	548	550	550	551	552	553	553	554	553	552	549	538	531	531	541	547	549	553	549	552	552	551	548
3	553	549	550	550	549	550	552	552	553	554	554	554	553	550	526	533	550	559	566	564	565	563	559	564	553
4 D	554	546	533	543	537	547	553	549	552	547	553	562	552	544	538	529	522	501	539	546	536	537	538	529	541
5 D	526	526	558	549	542	553	543	547	549	549	552	547	533	522	529	527	522	532	544	543	558	559	547	544	542
6	551	548	549	551	550	552	553	550	554	556	558	554	548	531	527	513	513	540	551	554	551	552	553	532	546
7	527	531	542	543	542	547	548	546	549	544	552	554	548	537	526	517	519	530	544	556	559	544	549	549	542
8	554	554	552	551	549	547	544	538	544	559	558	559	547	523	504	497	501	512	523	541	550	547	543	545	539
9	539	554	553	547	548	548	543	538	516	550	554	543	532	521	511	507	515	529	547	560	561	554	550	547	540
10	554	556	554	554	554	555	554	554	554	554	554	551	541	526	516	507	513	528	543	551	558	555	555	559	546
11 Q	561	561	557	555	556	556	556	560	561	561	562	562	556	544	527	518	519	524	532	545	555	552	557	560	550
12	561	561	559	557	557	561	564	566	566	566	566	551	552	546	533	530	527	530	538	540	542	544	555	560	551
13	555	547	539	533	536	544	549	549	551	557	561	557	553	544	536	532	539	548	550	552	556	554	561	560	549
14	551	544	539	549	549	546	554	556	555	556	559	554	550	545	540	533	530	534	542	552	560	564	564	562	550
15	551	555	553	551	554	556	555	558	549	560	561	560	555	548	537	533	535	539	545	550	556	560	560	556	552
16	554	554	555	555	564	561	561	561	562	565	566	562	557	551	544	540	541	545	554	562	561	561	560	561	557
17	561	560	560	556	556	561	560	559	561	561	565	567	565	557	551	553	557	558	561	564	567	566	567	568	561
18	567	568	571	566	561	553	557	565	565	566	565	557	556	555	551	554	567	568	569	558	555	556	554	539	560
19 D	543	553	558	563	561	560	560	550	554	560	559	555	545	516	539	512	529	528	534	544	545	539	534	544	545
20	542	553	548	549	554	553	549	548	547	549	550	558	549	536	533	530	534	544	550	559	552	553	557	554	548
21 D	552	553	552	563	557	550	554	559	551	553	549	559	550	534	511	503	511	527	533	528	549	553	549	546	544
22 Q	553	554	553	552	552	552	552	552	551	555	553	552	547	535	521	514	514	521	532	547	557	559	559	559	546
23 Q	557	556	553	552	551	552	553	556	556	556	556	555	548	536	525	518	519	528	537	549	557	562	561	561	548
24	561	561	558	556	556	556	556	557	557	559	560	557	555	546	535	532	533	536	541	551	556	556	562	550	552
25	540	541	544	550	551	552	556	557	560	561	560	557	556	550	546	547	546	550	556	563	566	563	562	562	554
26 D	565	558	555	559	560	555	553	545	502	509	555	555	539	527	522	522	523	529	538	543	543	545	548	549	542
27	550	550	548	549	549	549	550	549	549	545	555	560	555	548	539	533	532	538	545	550	551	555	555	553	548
28	548	547	549	550	550	554	553	555	556	556	555	556	552	543	532	527	526	532	544	551	559	560	561	561	549
29	559	550	550	558	547	546	546	549	553	554	555	555	549	540	534	529	532	539	549	554	556	555	553	546	548
30 Q	541	541	540	543	543	546	550	554	555	556	558	556	555	546	543	544	544	549	554	554	554	555	556	555	550
31 Q	552	548	549	549	550	549	551	553	554	553	556	555	552	544	540	540	546	554	560	562	561	558	556	555	552
Mean	551	551	551	552	551	552	552	552	551	554	557	556	550	539	531	527	530	537	546	551	555	554	554	553	548

Table 29 Agincourt   D = 7° W + ...'   October 1964

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	22.6	22.6	26.9	25.8	24.7	24.7	25.2	29.0	29.5	24.1	23.6	23.9	22.8	23.2	26.9	31.1	31.2	30.1	29.0	27.5	27.0	26.7	26.7	26.7	26.3
2	22.7	23.4	25.4	26.7	26.8	26.8	26.6	26.0	25.6	24.8	25.0	24.8	24.1	23.7	23.8	27.1	29.2	29.9	29.7	28.1	26.7	26.2	26.0	26.1	26.0
3	25.9	25.0	24.7	26.8	26.9	26.8	26.1	25.5	25.1	25.7	25.9	25.9	25.6	26.8	29.1	31.8	34.2	33.3	31.0	29.0	29.2	29.5	29.0	28.8	27.8
4 D	28.7	27.7	24.9	23.7	30.5	22.1	23.7	22.0	22.9	25.9	28.5	24.0	21.8	22.1	23.1	26.0	27.7	34.1	31.4	32.5	27.2	31.2	32.2	18.1	26.3
5 D	24.7	26.1	27.9	22.1	24.4	28.3	27.5	28.3	25.8	26.4	26.8	26.3	26.5	28.3	24.2	26.9	28.4	30.7	31.6	32.2	29.4	29.5	29.3	23.7	27.3
6	27.4	26.7	25.5	26.9	26.3	26.6	27.3	29.3	26.6	26.1	26.5	25.3	23.9	24.4	24.3	28.5	31.9	32.5	31.6	30.5	29.5	28.1	27.5	25.2	27.4
7	22.1	19.3	23.5	24.6	26.1	30.4	25.6	26.3	26.3	29.6	27.8	24.4	22.6	22.2	22.6	25.5	30.0	32.9	32.8	30.9	29.7	27.8	27.0	26.7	26.5
8	25.6	25.7	24.7	26.5	27.1	27.7	30.5	34.6	33.8	25.4	25.3	25.4	23.2	21.5	22.6	27.5	30.7	34.0	32.7	32.0	31.0	26.9	26.5	25.7	27.8
9	25.7	26.9	25.8	23.2	25.6	25.5	24.7	26.5	33.3	27.7	23.3	25.4	23.4	21.4	23.2	27.9	31.7	34.8	34.3	31.9	29.8	27.9	27.6	27.9	27.3
10	25.7	26.0	26.9	27.6	27.8	27.8	27.7	27.1	26.9	26.6	26.9	24.5	23.4	22.8	24.7	28.0	30.0	33.3	32.9	30.9	28.9	27.4	27.0	27.5	27.4
11 Q	27.4	27.0	27.2	27.0	27.7	27.7	27.6	27.4	26.7	26.0	25.7	24.7	22.9	23.2	23.8	28.1	31.6	34.1	34.0	32.6	31.3	29.5	28.4	27.9	27.9
12	27.1	26.8	27.1	27.7	27.8	27.9	28.7	32.1	26.1	22.9	25.7	36.7	38.6	32.3	30.8	32.1	31.4	32.3	31.0	30.8	29.6	28.1	27.1	27.6	29.5
13	27.8	23.8	23.8	25.7	26.8	27.5	27.2	27.9	29.4	25.5	24.9	24.5	23.7	25.9	28.0	30.3	32.2	32.2	32.8	31.9	30.3	29.9	27.9	27.2	27.8
14	26.1	25.5	26.2	25.0	28.1	26.7	27.3	28.3	27.3	25.5	25.2	25.9	25.0	24.9	25.2	27.4	30.1	31.8	31.8	30.4	29.3	28.4	28.1	27.9	27.4
15	25.8	26.9	27.9	28.0	27.9	28.1	27.7	28.0	30.6	27.9	26.0	26.1	24.6	24.5	26.0	29.8	30.5	32.3	31.9	31.1	30.2	28.7	28.2	27.4	28.2
16	26.1	27.3	27.2	27.7	26.6	28.0	26.9	26.8	25.8	26.0	25.9	25.0	23.8	23.7	25.0	28.4	30.5	31.8	32.0	30.6	29.2	28.1	27.6	27.0	27.4
17	27.5	26.3	28.1	27.4	27.4	31.1	28.5	24.9	25.1	24.2	24.0	24.7	26.2	25.2	28.1	30.9	31.2	30.8	30.6	30.2	28.8	27.6	23.4	27.7	27.7
18	27.6	27.5	27.3	26.0	24.0	26.1	26.3	26.2	25.3	24.2	25.2	24.8	26.8	24.9	24.1	27.9	29.7	30.0	30.6	31.1	30.1	28.9	27.3	18.9	26.7
19 D	23.9	26.2	27.1	28.1	27.9	28.2	25.7	23.8	23.2	25.2	25.3	24.8	24.0	25.3	31.3	34.2	34.0	35.8	34.7	32.1	30.3	27.4	29.1	28.0	28.1
20	18.8	22.7	25.4	27.9	29.7	29.9	26.7	26.2	27.1	27.2	28.1	26.2	23.9	24.1	25.0	27.5	29.7	30.8	30.7	30.6	30.1	28.2	28.0	27.5	27.2
21 D	24.2	25.2	26.0	28.6	28.2	27.9	32.8	32.3	26.4	26.0	28.5	26.2	24.0	23.8	26.1	30.1	33.8	34.6	35.0	32.4	31.4	30.2	29.4	29.2	28.8
22 Q	27.0	26.4	27.1	27.2	28.2	28.3	28.5	28.9	30.5	27.2	26.5	25.7	23.4	22.9	24.1	27.5	30.4	31.8	31.8	30.8	29.5	28.1	27.9	27.5	27.8
23 Q	27.5	27.4	27.5	27.9	28.2	28.3	28.5	28.2	27.9	27.4	27.2	26.2	24.1	23.0	23.9	26.9	29.1	30.8	31.8	31.3	30.2	28.5	28.2	27.5	27.8
24	27.4	27.2	27.2	27.4	27.5	28.1	28.0	27.8	27.2	27.0	26.9	26.2	24.3	23.0	23.3	25.5	28.2	30.5	31.6	30.8	30.4	28.9	27.4	26.1	27.4
25	26.6	26.3	26.2	26.5	27.2	28.0	28.2	27.4	27.2	27.4	27.1	26.6	25.8	25.3	25.3	26.5	29.0	30.6	30.7	30.0	29.5	28.5	28.5	28.2	27.6
26 D	26.2	27.1	26.6	27.8	29.8	30.6	25.8	27.0	34.7	36.9	24.7	23.5	26.2	26.4	25.8	27.5	29.5	30.4	30.6	30.5	30.4	29.4	28.5	27.5	28.5
27	26.6	27.5	27.5	26.4	27.2	28.2	28.3	27.6	27.0	26.4	26.3	26.2	28.3	26.0	25.8	27.9	30.0	30.9	30.7	30.0	29.1	28.2	28.2	28.2	27.9
28	27.7	25.2	27.5	28.5	28.4	28.4	28.3	28.2	28.1	28.1	28.1	26.2	24.8	23.9	25.4	28.1	30.2	31.6	31.9	30.5	28.9	28.3	28.5	28.1	28.0
29	27.4	27.4	26.0	27.3	26.9	27.3	27.0	29.0	26.2	25.3	25.9	25.5	24.7	24.1	24.0	27.3	31.6	33.6	32.5	30.6	28.4	27.5	27.5	27.6	27.5
30 Q	25.7	26.2	26.9	27.3	26.3	27.8	27.9	27.1	26.2	26.2	26.4	27.4	25.3	24.4	25.7	27.6	29.6	29.9	29.4	28.8	27.9	27.4	27.5	27.8	27.2
31 Q	27.5	27.8	28.1	27.9	27.9	28.1	27.9	27.4	27.0	27.0	27.0	26.2	25.9	25.4	26.2	27.9	29.2	29.5	29.2	28.2	27.9	28.0	28.2	28.2	27.6
Mean	25.9	25.9	26.5	26.7	27.3	27.7	27.4	27.6	27.4	26.5	26.1	25.8	25.0	24.5	25.4	28.4	30.5	32.0	31.7	30.7	29.4	28.4	27.9	26.8	27.6

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

Table 30   Agincourt   Z=56,000 γ +   October 1964

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	91	85	86	85	68	68	78	76	71	74	80	81	81	80	77	75	74	75	76	78	79	79	81	81	78
2	82	80	82	82	82	82	82	82	81	80	81	82	82	80	80	77	77	79	82	80	81	81	82	82	81
3	81	80	78	79	79	80	80	79	78	77	79	82	81	75	71	75	63	65	69	74	77	80	77	81	77
4 D	82	92	95	93	78	65	76	76	75	63	62	70	70	70	70	70	68	72	80	85	101	93	100	105	80
5 D	101	104	77	83	89	78	72	67	74	78	81	79	81	78	81	75	71	74	73	76	84	83	87	89	81
6	87	84	83	79	78	78	76	75	72	76	77	78	78	76	75	67	65	61	68	74	80	83	87	89	77
7	92	79	66	71	57	55	67	78	78	71	71	77	77	77	74	66	65	67	73	78	84	88	87	83	74
8	83	79	77	74	74	67	56	45	54	62	72	77	74	75	77	73	73	80	90	94	90	95	95	96	76
9	95	90	85	84	77	78	73	57	29	27	49	72	79	81	78	76	76	76	77	79	79	82	82	82	73
10	82	79	80	78	78	78	78	78	79	79	78	80	80	79	79	73	69	69	72	76	80	80	79	79	78
11 Q	80	80	79	79	79	79	79	79	79	78	79	80	80	79	78	75	76	80	80	81	85	85	84	83	80
12	81	80	79	79	79	78	74	52	53	62	62	46	34	40	43	57	65	73	79	80	83	85	84	81	68
13	81	80	80	81	80	78	79	76	68	70	75	78	76	74	72	73	73	74	76	80	81	81	80	79	77
14	81	84	86	76	64	75	78	74	74	75	77	75	75	75	72	66	66	70	74	75	79	76	75	73	75
15	74	74	74	74	72	74	73	70	65	63	69	70	70	70	66	65	70	73	71	70	74	74	75	75	71
16	76	76	75	73	61	59	64	69	70	70	70	71	70	66	65	59	60	63	66	67	72	73	72	75	68
17	75	75	75	75	73	59	54	66	70	67	65	61	60	53	52	50	53	58	62	66	70	69	69	67	64
18	68	68	70	71	67	74	77	76	72	71	71	70	68	66	63	64	62	63	65	66	72	76	82	89	70
19 D	87	84	81	74	72	56	45	65	70	73	72	72	70	62	61	62	74	76	73	82	84	95	96	93	74
20	91	76	83	82	67	68	74	78	77	74	73	74	73	76	73	69	70	72	74	76	77	79	78	78	76
21 D	80	78	76	60	64	70	61	55	60	71	74	77	74	72	69	69	74	81	84	90	88	83	83	87	74
22 Q	84	80	78	78	77	77	77	77	73	75	78	78	80	78	74	74	75	77	77	78	81	79	77	77	78
23 Q	78	77	77	75	75	75	75	75	75	75	75	78	79	78	76	75	75	78	78	80	79	78	75	75	77
24	75	75	75	74	74	74	75	75	75	75	74	74	74	72	67	63	65	69	71	74	74	74	74	74	73
25	79	79	78	75	74	73	73	73	71	70	70	70	69	67	58	52	53	59	63	65	68	69	69	69	68
26 D	68	69	69	67	53	46	50	52	-10	-21	35	56	63	64	63	66	69	69	68	69	72	73	73	73	56
27	71	71	70	69	67	68	69	69	68	64	61	58	60	58	58	56	58	63	67	69	73	73	71	70	66
28	71	71	71	71	71	71	71	70	70	69	68	70	70	68	68	66	68	70	70	73	73	75	73	69	70
29	68	68	68	50	62	64	64	64	61	67	65	67	69	69	67	60	61	65	66	69	72	72	72	72	66
30 Q	74	74	74	74	74	74	74	74	73	72	70	70	69	68	64	60	63	65	68	69	69	69	71	71	70
31 Q	70	69	69	70	70	70	70	72	69	70	70	70	70	69	66	64	65	68	69	69	69	69	69	70	69
Mean	80	79	77	75	72	71	71	70	67	67	70	72	72	71	69	67	68	70	73	75	78	79	79	80	73

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

Table 31 Agincourt   H = 15,500 γ +   November 1964

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	554	554	554	555	559	549	547	549	553	559	566	569	560	558	554	550	539	528	545	559	563	561	538	527	552
2 D	547	548	547	547	545	539	547	542	546	549	548	542	538	532	532	535	539	545	553	555	554	553	545	552	545
3	550	555	555	549	552	550	549	548	549	549	550	549	545	539	534	533	534	540	549	553	554	555	560	560	548
4	560	560	554	549	545	549	550	553	555	556	559	555	545	537	538	539	540	544	546	556	560	558	556	545	550
5	547	546	547	551	550	550	549	550	554	555	558	555	545	538	543	541	536	545	544	533	544	554	556	560	548
6	555	555	555	552	552	552	552	554	555	554	551	555	549	539	536	535	538	540	547	553	555	558	560	561	550
7 Q	560	559	556	555	555	555	555	558	559	560	560	559	552	543	535	534	535	543	553	559	565	566	567	566	555
8	571	568	563	560	559	560	550	554	561	563	561	560	556	545	546	546	546	550	553	547	545	550	557	565	556
9 D	560	538	544	528	572	543	550	550	546	551	561	552	565	559	554	549	545	539	553	552	545	550	549	540	550
10	552	549	550	553	556	555	556	555	554	555	556	560	556	545	540	539	540	544	545	546	547	554	556	561	551
11	560	556	555	556	561	558	559	560	554	556	560	559	555	545	534	529	529	539	548	557	561	565	562	560	553
12	559	556	556	548	545	545	555	555	556	559	560	560	556	550	545	534	532	540	547	553	548	546	555	556	551
13	554	554	554	554	553	549	547	551	546	549	552	558	553	548	539	532	532	534	544	551	557	560	559	559	549
14 Q	558	555	554	554	553	555	557	557	557	558	559	559	555	548	542	535	533	539	547	555	561	561	564	564	553
15 D	560	560	558	558	554	555	555	558	560	564	571	572	569	557	565	575	561	556	555	558	565	567	555	531	560
16	549	553	554	553	548	539	547	544	543	548	549	554	555	548	537	531	538	547	552	554	549	553	556	552	548
17	555	558	559	558	554	554	554	558	557	555	557	555	553	544	539	541	547	553	555	555	559	558	560	560	554
18	558	557	559	558	557	558	555	555	558	560	561	560	559	553	547	543	542	546	550	555	561	559	560	554	555
19 Q	554	555	555	558	560	555	558	558	559	559	559	559	555	549	544	543	544	548	554	557	560	565	566	565	556
20	564	561	558	553	555	556	558	559	559	555	559	561	559	552	544	539	539	545	554	560	566	566	567	566	556
21	566	565	565	564	561	561	563	564	564	565	565	565	561	554	547	539	538	544	553	560	567	570	571	566	560
22	565	566	565	564	564	565	565	565	566	571	571	574	564	558	548	541	540	545	553	555	564	561	549	553	560
23 D	549	549	546	540	528	524	564	554	553	544	581	560	554	542	512	522	521	531	541	548	549	553	553	550	545
24 Q	548	548	547	548	548	548	549	551	551	554	558	557	555	547	537	529	527	533	542	549	559	560	560	559	549
25 Q	560	560	560	559	559	560	560	560	564	564	565	565	564	559	553	548	548	553	560	566	565	571	573	571	561
26	569	565	560	559	554	555	559	559	560	547	559	576	573	565	564	558	554	546	544	546	549	548	548	549	557
27	549	549	549	547	548	544	549	553	555	559	560	564	565	562	560	552	551	554	559	565	560	564	569	570	556
28	566	564	561	550	548	553	558	554	560	558	559	564	564	559	559	553	540	528	534	553	559	560	560	560	555
29	561	559	558	558	558	558	558	558	558	560	564	564	563	559	557	554	553	552	553	560	564	570	571	565	560
30	548	568	568	563	553	567	548	554	557	558	560	563	564	564	560	554	552	554	559	564	564	559	553	552	559
31																									
Mean	557	556	556	553	554	552	554	555	556	556	560	560	557	550	545	542	540	543	550	554	557	559	558	557	553

DECLINATION
Mean values for periods of sixty minutes, Universal Time

Table 32 Agincourt   D = 7° W + ...'   November 1964

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	28.1	27.5	27.7	28.1	25.2	27.1	27.8	27.1	27.5	27.4	25.9	24.2	25.2	24.1	26.3	29.4	30.7	36.5	37.9	32.7	29.0	29.6	31.5	27.2	28.5
2 D	26.9	27.3	24.1	27.5	32.7	26.5	27.2	25.5	26.0	25.3	25.9	26.6	26.0	26.0	27.4	30.5	31.9	32.5	32.2	30.5	28.7	28.5	27.3	27.5	27.9
3	27.5	27.3	26.2	27.6	28.6	28.6	28.6	28.4	27.1	26.5	26.5	26.3	25.9	25.8	26.3	29.2	31.0	31.4	31.4	28.8	28.8	28.3	28.0	27.4	28.0
4	27.3	27.4	27.5	24.9	28.3	28.7	28.4	27.5	27.3	27.1	26.8	26.1	26.5	28.6	29.5	29.7	30.8	32.6	32.6	31.3	30.4	29.3	28.5	27.3	28.5
5	26.0	27.3	27.3	27.4	28.3	29.3	28.6	28.0	27.4	27.3	27.2	26.4	25.9	28.6	27.2	31.0	33.1	33.2	33.2	33.6	32.2	29.5	27.3	27.2	28.9
6	27.2	27.4	27.9	28.2	28.2	28.0	28.4	28.3	27.0	25.8	27.0	26.2	25.9	26.0	26.1	28.4	31.0	32.5	32.5	31.3	30.2	29.1	28.3	28.0	28.3
7 Q	27.3	27.3	27.4	28.0	28.2	28.3	28.4	28.3	28.2	27.7	27.3	27.1	26.1	25.3	26.1	28.4	30.2	30.8	30.3	29.2	28.4	28.4	28.3	27.4	28.0
8	27.0	27.0	27.6	27.4	27.2	26.1	28.4	29.4	28.0	26.4	26.4	26.0	26.1	27.2	27.1	29.1	31.0	32.1	31.5	30.4	30.1	29.7	28.7	26.9	28.2
9 D	27.1	23.3	21.1	25.2	22.7	25.4	29.1	28.4	31.3	30.4	27.5	28.5	27.2	25.3	26.4	29.6	32.7	33.3	32.8	33.9	33.1	31.0	28.9	24.2	28.3
10	27.1	27.2	19.1	27.5	29.1	29.4	29.3	28.5	31.2	28.7	28.1	27.3	26.2	25.0	24.1	26.9	28.6	30.1	31.1	31.5	30.9	29.6	28.6	27.6	28.0
11	27.5	27.5	28.3	28.3	29.2	29.4	29.2	28.5	30.7	29.3	26.5	26.3	25.5	25.3	26.0	28.1	30.8	32.2	31.4	30.2	29.4	28.8	29.0	28.5	28.6
12	26.3	25.3	25.9	26.6	29.4	34.5	30.2	28.4	28.0	27.9	28.1	28.0	27.3	26.3	26.2	29.1	32.7	33.9	34.5	33.0	31.6	30.5	29.3	28.0	29.2
13	27.5	27.5	27.9	28.5	28.4	29.5	34.6	30.7	28.6	27.2	27.3	27.6	27.4	27.3	27.1	28.7	30.4	31.6	32.8	32.3	30.7	29.5	28.7	28.4	29.2
14 Q	28.2	28.1	28.1	28.5	28.6	28.8	29.2	29.4	28.2	27.3	27.3	27.1	26.3	25.3	26.3	28.6	31.0	32.6	31.0	30.5	29.5	28.7	28.5	28.2	28.6
15 D	28.2	28.2	28.2	28.2	28.5	28.7	29.5	29.7	28.0	27.6	26.6	26.3	25.5	28.6	33.2	33.9	33.1	32.1	34.9	31.4	29.5	29.7	31.4	26.4	29.5
16	26.7	27.8	27.6	28.7	28.6	27.6	29.7	28.9	25.5	24.3	23.3	25.6	24.7	25.2	27.4	30.8	33.4	32.9	32.6	31.2	30.5	29.2	29.6	27.6	28.3
17	28.3	27.8	28.6	28.1	28.3	28.3	27.8	27.6	27.4	27.3	27.5	27.6	27.3	26.3	28.6	30.9	32.1	32.9	32.1	30.3	29.6	29.5	28.9	28.7	28.8
18	28.7	28.6	28.3	28.6	28.7	28.7	28.6	28.8	28.6	28.0	27.6	27.6	27.1	26.4	26.5	28.9	30.6	31.5	30.9	30.4	29.6	29.8	29.5	28.8	28.8
19 Q	28.7	28.2	28.7	28.4	28.7	29.5	29.5	29.0	28.8	28.6	28.4	27.8	27.5	26.4	26.3	27.9	30.1	31.3	31.5	30.6	29.9	29.7	28.8	28.6	28.9
20	28.1	28.0	28.7	27.7	28.7	28.9	28.8	28.7	28.2	29.1	28.1	26.5	26.5	26.4	26.6	28.8	30.7	31.9	31.9	30.9	29.7	29.4	28.9	28.4	28.7
21	27.8	27.8	27.7	29.1	28.7	29.0	29.0	28.9	28.7	27.7	26.9	27.5	26.9	26.3	26.9	28.7	30.4	31.8	31.8	30.8	29.5	28.6	28.4	27.5	28.6
22	27.5	27.5	27.1	28.5	28.9	29.6	29.0	28.9	29.2	27.5	27.2	28.5	27.6	25.7	26.4	29.2	31.9	34.3	34.8	32.9	30.9	29.8	29.9	28.5	29.2
23 D	24.5	26.3	26.7	26.0	23.9	25.3	31.7	30.6	29.7	37.1	35.2	35.3	38.9	32.0	33.3	40.4	38.7	38.5	36.5	34.4	32.9	30.9	29.4	28.4	32.0
24 Q	27.7	27.3	27.8	28.5	28.8	29.8	29.9	30.1	28.9	29.6	28.1	27.8	27.4	27.0	27.6	28.9	30.1	31.3	31.8	31.2	30.2	29.6	28.9	28.7	29.0
25 Q	28.5	28.4	28.5	28.8	28.9	29.4	29.4	29.2	29.0	28.8	28.7	28.0	27.8	27.6	26.9	28.8	29.5	31.7	32.2	31.4	30.0	29.8	28.9	28.5	29.1
26	27.9	28.1	28.8	25.3	27.8	28.8	28.9	29.5	29.9	32.1	31.6	33.0	30.0	34.2	34.0	35.3	37.2	36.4	36.0	33.5	31.9	30.6	29.7	28.8	31.2
27	27.6	28.0	28.4	27.8	27.4	28.3	29.6	28.9	28.9	28.4	28.4	27.8	27.5	26.6	26.5	27.6	29.3	31.1	31.8	31.4	31.8	30.5	28.9	28.2	28.8
28	28.4	28.6	24.4	27.9	28.4	27.5	28.9	27.5	27.6	27.1	27.6	26.5	26.6	26.5	25.9	28.2	31.0	33.7	33.1	31.6	30.7	29.3	28.7	28.4	28.5
29	28.1	28.2	28.3	28.3	28.6	28.7	28.7	28.5	28.0	28.0	27.4	27.4	27.6	27.5	27.5	28.7	29.8	30.6	31.1	30.2	29.7	29.5	29.3	29.8	28.7
30	29.5	29.0	28.5	28.3	27.7	25.2	27.2	28.3	27.8	27.8	29.6	28.5	27.7	27.5	27.5	28.9	29.8	29.9	29.7	29.7	29.7	30.6	29.2	30.8	28.7
31																									
Mean	27.6	27.5	27.1	27.7	28.2	28.4	29.1	28.6	28.4	28.1	27.7	27.5	27.1	26.9	27.4	29.8	31.5	32.6	32.6	31.4	30.3	29.6	29.0	28.0	28.8

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

Table 33 Agincourt   Z=56,000 γ +   November 1964

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	70	70	70	69	63	68	69	70	70	68	67	64	63	61	56	53	50	56	64	67	68	70	81	100	67
2 D	86	79	78	70	46	55	68	73	74	74	71	72	72	70	68	66	67	68	69	70	71	71	74	74	70
3	75	74	69	74	73	72	72	73	73	72	73	72	72	68	64	63	64	68	70	72	73	71	70	69	71
4	68	68	68	66	68	69	69	69	69	69	69	69	68	64	62	58	58	60	65	69	70	69	69	72	67
5	73	73	73	72	69	70	69	69	69	69	68	68	67	64	61	60	63	67	70	74	79	74	74	73	70
6	72	70	69	69	69	69	68	69	69	68	68	68	68	69	67	66	64	66	68	69	69	68	69	69	68
7 Q	69	69	69	69	69	69	69	69	69	69	69	69	69	68	65	62	62	65	68	68	68	65	65	65	67
8	65	64	64	64	62	57	63	64	64	64	64	64	64	64	59	57	57	60	65	66	70	69	70	68	64
9 D	68	73	76	69	27	41	60	65	55	47	47	57	59	57	54	54	57	60	65	70	73	71	74	75	61
10	74	71	64	66	68	68	68	66	64	64	66	66	66	66	64	59	60	63	67	70	69	70	70	69	67
11	70	70	69	67	65	65	67	66	65	64	65	67	69	67	65	61	65	67	69	71	69	66	66	66	67
12	66	64	63	63	64	58	60	66	67	66	66	66	67	69	66	63	63	65	68	70	73	76	75	71	67
13	70	69	65	60	65	65	63	60	62	65	66	66	69	70	70	65	65	67	71	74	75	72	71	71	67
14 Q	70	70	70	70	70	70	70	69	67	67	68	68	68	67	64	61	62	67	71	72	72	70	67	67	68
15 D	66	66	66	66	66	66	66	66	66	66	66	63	62	61	50	43	47	50	58	62	66	68	72	90	63
16	85	79	77	73	72	73	68	48	40	54	61	67	68	66	61	60	61	62	64	68	68	72	72	74	66
17	73	72	68	68	68	68	68	67	67	67	67	67	67	66	62	61	60	62	65	68	70	68	71	70	67
18	69	69	69	69	68	69	68	67	69	69	68	68	68	67	65	65	65	66	71	73	74	73	72	72	69
19 Q	72	72	71	68	65	68	69	69	69	69	69	68	68	66	63	61	63	66	69	69	69	68	68	68	68
20	68	68	68	69	69	69	69	69	68	68	69	69	69	68	65	62	64	67	70	72	70	69	69	69	68
21	69	68	67	66	66	68	68	68	66	66	68	68	68	67	65	64	65	67	71	73	71	70	70	70	68
22	70	68	66	66	68	68	67	68	68	65	64	63	64	64	65	63	66	68	71	74	71	71	71	74	68
23 D	73	73	71	69	61	39	23	44	60	49	21	37	54	49	54	60	66	75	77	74	77	76	76	77	60
24 Q	77	77	75	72	72	72	72	70	69	69	72	72	70	67	66	66	67	70	72	73	73	72	71	70	71
25 Q	70	69	68	68	67	68	67	67	67	67	67	67	67	66	65	64	66	67	68	69	69	68	65	65	67
26	64	65	65	63	66	68	67	67	67	63	60	56	50	45	46	45	53	60	67	69	73	73	73	73	62
27	73	73	73	71	68	68	70	71	71	70	71	69	68	63	60	56	57	59	66	67	68	68	68	67	67
28	68	69	71	68	70	73	74	69	68	68	69	67	67	66	64	62	63	64	71	72	74	74	72	69	69
29	69	68	68	68	68	68	68	68	67	67	66	66	67	67	68	67	68	70	71	70	71	72	69	68	68
30	78	72	68	67	66	49	61	67	66	66	66	66	65	64	60	57	57	60	63	64	66	68	68	71	65
31																									
Mean	71	70	69	68	65	65	66	66	66	66	65	66	66	65	62	60	61	64	68	70	71	70	71	72	67

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

Table 34 Agincourt $H = 15,500 \gamma +$ December 1964

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	557	566	560	562	561	559	557	564	556	582	565	566	562	551	540	541	554	559	562	562	557	562	566	566	559
2	565	562	562	562	561	561	560	561	562	561	565	566	565	561	558	557	558	562	566	567	567	567	570	566	563
3	567	567	566	565	567	567	565	564	561	564	565	561	562	561	555	551	551	553	551	548	559	560	564	565	561
4	564	564	564	560	563	564	561	564	565	564	563	563	560	558	560	561	557	550	560	562	561	565	566	568	562
5 Q	565	564	565	563	563	563	563	563	563	563	565	566	565	563	559	556	554	555	557	560	568	570	572	570	563
6	569	568	564	563	564	564	566	568	568	570	571	571	569	568	565	559	557	557	560	565	563	568	576	579	566
7 D	572	569	569	568	568	569	568	573	576	577	573	574	571	571	565	546	537	543	549	559	560	558	545	554	563
8	557	552	551	551	550	565	556	558	559	563	564	564	562	558	552	546	541	542	544	548	556	563	568	566	556
9	564	563	562	562	561	564	568	567	564	563	568	573	573	563	556	546	541	542	548	558	564	564	561	564	561
10	562	558	553	553	557	556	563	562	562	563	564	564	563	562	553	547	544	546	551	558	564	568	568	565	559
11	564	562	562	560	561	562	563	563	564	566	568	569	568	564	558	558	554	554	558	561	562	565	567	567	562
12 Q	564	564	563	563	563	564	564	567	566	567	568	568	568	567	561	555	553	554	559	564	569	570	570	569	564
13 D	570	570	569	569	569	569	569	569	570	569	570	569	571	573	574	571	551	546	552	560	568	573	569	565	567
14	559	557	558	557	553	548	554	556	559	555	560	568	568	562	559	554	554	550	555	554	552	553	556	559	557
15	554	548	555	556	548	563	552	556	559	560	561	559	555	558	558	551	548	552	555	556	559	560	563	562	556
16 D	560	564	563	559	553	552	560	560	563	563	558	572	569	530	558	565	549	541	543	551	558	560	564	559	557
17 D	554	537	535	549	555	552	549	553	554	554	563	565	560	557	553	547	544	547	551	551	554	552	547	544	551
18	547	553	562	552	549	552	552	554	558	559	562	563	560	559	555	551	544	543	545	549	557	563	563	562	555
19 D	560	559	557	554	557	560	563	562	559	562	565	564	563	553	548	543	538	546	548	542	554	559	560	562	556
20	564	562	559	559	558	559	560	562	561	562	563	571	568	564	558	549	545	546	546	556	567	567	565	559	560
21	563	563	560	559	555	559	563	560	563	564	568	565	564	563	562	559	546	546	547	554	562	565	565	563	560
22	557	558	559	559	559	560	562	564	565	563	566	566	565	561	551	544	543	548	555	562	568	569	570	565	560
23	566	568	565	562	559	566	566	562	565	570	571	569	568	563	554	546	543	546	554	560	569	567	567	569	562
24	569	566	565	562	559	559	559	560	565	568	569	570	570	568	557	542	538	545	553	559	563	568	570	570	561
25	569	565	565	564	563	563	563	564	565	567	570	573	575	569	559	548	540	544	548	554	565	565	559	554	561
26	556	565	566	566	565	565	564	565	565	566	565	564	560	553	543	537	530	534	545	557	566	570	571	571	559
27 Q	569	568	564	563	560	563	562	564	567	569	569	569	569	565	557	547	544	548	554	561	568	571	571	569	563
28	569	565	565	568	566	566	565	567	569	569	571	570	569	565	558	546	542	549	560	563	568	574	571	570	564
29	567	567	568	564	564	564	560	563	567	569	570	565	563	563	559	549	542	547	559	563	565	568	569	568	563
30 Q	565	560	564	565	565	564	564	564	564	565	569	569	569	565	560	549	546	552	560	567	571	571	574	570	564
31 Q	571	569	565	566	565	563	559	559	563	565	567	567	565	560	556	548	544	552	560	566	569	571	571	570	563
Mean	563	562	561	561	560	561	561	563	563	565	566	567	566	561	557	551	546	548	553	558	563	565	566	565	561

DECLINATION.
Mean values for periods of sixty minutes, Universal Time

Table 35 Agincourt

$D = 7° W + ...'$

December 1964

Hour U.T. Day	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	Mean
1	26.9	24.1	27.6	28.6	28.2	28.1	29.8	31.2	28.3	30.8	26.4	26.7	27.3	29.5	30.6	33.6	32.8	31.6	31.0	30.3	29.7	29.6	29.2	28.6	29.2
2	27.9	28.2	27.6	28.4	28.6	28.5	28.4	29.5	27.5	27.0	27.6	27.4	27.5	28.1	28.5	29.7	30.4	30.8	31.7	29.9	30.5	30.2	29.3	28.5	28.9
3	28.4	27.9	27.6	27.7	27.5	28.7	28.8	28.4	28.6	28.4	26.1	26.7	28.2	27.1	27.6	29.8	31.6	32.9	33.8	32.6	31.2	29.7	28.7	28.5	29.0
4	28.4	27.7	28.2	28.1	28.5	28.8	28.6	28.5	28.4	27.6	28.0	28.2	27.4	27.5	27.2	28.2	29.8	31.4	31.5	31.2	29.7	29.1	28.7	28.4	28.7
5 Q	27.6	27.2	28.1	27.6	28.4	28.6	28.6	28.3	28.4	28.1	28.4	27.4	27.4	27.1	26.2	27.3	28.7	30.8	30.8	29.8	29.5	28.7	28.3	27.6	28.3
6	27.5	27.4	27.6	27.7	26.1	28.4	28.8	28.6	28.4	28.3	28.4	28.1	28.1	28.4	28.1	28.7	29.8	31.6	31.5	30.3	29.3	28.6	28.0	27.2	28.6
7 D	27.3	27.2	27.2	27.4	28.1	28.5	28.6	29.1	28.6	28.3	28.4	28.6	30.7	27.4	25.5	28.4	33.0	34.8	34.3	32.0	31.4	31.1	30.7	28.6	29.4
8	27.3	25.3	26.5	25.8	27.3	29.3	29.4	28.7	28.7	28.4	28.4	28.3	27.9	27.3	27.2	29.0	30.7	32.0	32.5	31.5	30.7	29.7	28.6	28.3	28.7
9	27.7	27.4	27.6	28.1	28.4	29.0	30.5	29.3	29.3	28.0	28.1	27.1	27.1	27.2	25.9	27.2	29.5	32.0	32.5	30.9	30.1	29.3	27.3	27.4	28.6
10	27.2	27.2	27.4	27.6	28.1	29.5	29.6	29.3	28.5	28.4	28.5	28.1	27.5	27.2	27.1	27.5	29.6	31.8	32.0	30.9	30.3	29.3	28.5	28.4	28.7
11	28.1	28.1	28.1	28.4	28.1	28.7	29.0	29.1	29.6	28.7	28.1	27.5	28.0	27.4	27.2	28.4	29.6	30.8	31.1	30.6	30.3	29.6	28.7	28.3	28.8
12 Q	27.4	27.4	27.5	27.6	28.3	28.6	28.7	29.4	29.2	28.6	28.4	28.3	27.6	26.5	26.1	27.1	29.1	30.7	31.1	30.5	30.2	29.5	29.2	28.6	28.6
13 D	27.6	27.3	27.0	26.8	27.3	27.4	27.9	28.3	28.6	28.3	28.5	27.6	26.6	25.1	25.2	25.8	28.5	32.6	33.6	31.8	30.4	29.6	29.0	28.1	28.3
14	27.5	27.3	27.5	28.1	28.4	26.6	25.9	28.6	29.2	30.5	31.6	27.5	27.3	27.4	28.0	29.5	30.2	30.8	30.7	30.8	30.7	30.6	29.4	27.6	28.8
15	27.4	24.3	26.9	28.1	27.2	24.3	28.3	29.2	28.9	28.5	28.7	29.4	29.6	28.1	27.3	28.4	29.6	30.5	30.8	30.4	30.4	29.4	28.6	28.3	28.4
16 D	27.4	27.3	27.9	27.3	26.7	27.4	28.3	28.6	29.4	28.6	31.5	29.5	30.4	36.0	37.7	29.6	29.0	30.5	31.3	30.7	30.4	30.6	30.3	29.3	29.8
17 D	27.9	16.3	25.1	27.3	27.6	28.6	29.5	31.2	34.8	33.7	28.5	28.0	27.1	26.9	27.0	30.4	32.8	33.6	32.5	30.5	30.4	30.6	30.1	29.5	29.2
18	28.2	27.2	26.0	27.6	28.4	29.3	28.6	28.6	29.3	29.2	28.9	28.8	28.9	27.4	27.2	27.8	29.6	31.2	31.9	32.3	32.3	31.7	30.2	29.3	29.2
19 D	28.4	28.1	27.4	27.0	27.2	28.4	29.0	28.4	27.7	28.2	27.2	26.9	27.1	26.1	26.3	28.6	32.4	34.7	33.6	33.4	33.0	31.7	29.3	28.1	29.1
20	27.4	27.3	27.6	28.2	28.8	28.5	29.1	29.2	29.0	28.8	29.5	28.1	27.4	26.4	25.1	26.0	28.8	30.5	31.4	31.3	30.4	29.4	28.5	28.4	28.6
21	28.0	28.1	28.1	28.1	28.2	28.3	29.2	29.1	29.1	29.3	30.0	29.0	28.2	26.9	24.6	25.8	29.0	32.0	32.2	31.5	30.4	29.1	28.3	27.8	28.7
22	27.3	27.6	28.0	28.3	29.1	30.4	29.7	29.1	28.7	28.3	28.9	28.4	27.1	25.3	24.9	27.2	29.9	31.6	31.3	30.6	30.0	29.0	28.2	28.0	28.6
23	27.2	27.1	27.3	28.0	28.7	30.0	31.0	29.4	27.8	27.2	28.3	28.4	28.0	27.6	26.6	28.3	30.4	31.9	32.2	32.1	31.2	29.2	28.8	28.1	29.0
24	27.5	27.4	27.8	28.2	28.1	28.0	28.2	28.3	28.2	28.1	28.2	28.1	28.0	26.2	24.8	26.0	28.2	31.1	32.3	31.9	30.4	29.3	28.4	27.8	28.3
25	27.3	27.3	27.8	28.1	28.3	28.5	29.0	29.1	29.1	28.1	27.8	27.7	26.7	24.5	24.0	25.9	28.0	30.4	31.9	32.3	31.5	29.3	30.1	29.2	28.4
26	28.3	27.0	27.2	27.8	27.8	28.3	28.3	28.4	28.7	28.3	28.9	28.8	28.1	26.7	25.2	26.8	29.1	31.5	32.5	32.0	30.7	29.3	28.3	28.1	28.6
27 Q	27.2	27.1	27.0	27.4	28.1	28.2	28.5	28.5	28.5	28.2	28.2	28.1	27.1	25.2	24.7	26.4	28.6	30.6	31.6	31.1	30.4	29.2	28.5	28.1	28.2
28	27.4	27.9	26.3	28.4	28.4	28.5	28.5	29.0	28.7	28.3	28.2	27.9	27.2	26.1	25.8	27.0	29.0	31.0	31.4	31.0	31.0	30.0	28.3	27.9	28.5
29	27.5	27.3	27.3	27.2	27.8	28.0	29.3	33.5	26.2	27.3	28.3	27.2	27.9	26.5	25.7	27.5	29.5	32.3	32.1	30.5	29.5	29.2	28.6	28.3	28.5
30 Q	28.1	27.7	27.5	27.5	28.3	28.5	28.4	28.4	28.3	28.4	27.8	27.5	27.3	26.3	26.2	27.5	29.7	31.1	31.2	30.7	30.3	29.4	28.5	28.3	28.6
31 Q	27.5	27.4	27.6	27.6	28.5	28.5	28.5	28.4	27.4	28.6	29.2	28.5	27.8	27.2	26.4	28.0	29.7	32.0	32.1	31.2	30.6	29.5	28.6	28.2	28.7
Mean	27.6	26.8	27.4	27.7	28.0	28.4	28.8	29.1	28.8	28.6	28.5	28.0	27.8	27.2	26.8	28.0	29.9	31.6	32.0	31.2	30.5	29.7	28.9	28.3	28.7

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

Table 36   Agincourt   Z=56,000 γ +   December 1964

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	72	68	68	68	68	68	66	57	51	53	61	65	66	63	60	64	65	68	69	71	69	72	71	71	66
2	72	72	70	69	68	68	69	67	64	67	68	67	67	65	64	62	61	61	64	66	68	69	69	68	67
3	68	67	67	67	66	65	67	64	64	63	64	63	66	63	58	59	64	68	70	71	75	73	70	69	66
4	70	70	70	70	69	69	69	68	69	68	68	68	68	67	66	63	59	59	61	67	68	70	69	69	67
5 Q	69	68	68	67	66	67	66	65	65	65	65	64	63	63	61	58	59	62	67	67	68	67	65	63	65
6	64	64	64	63	63	64	64	63	63	64	64	63	63	63	63	63	63	64	66	67	69	69	67	64	65
7 D	64	64	64	64	61	64	63	64	64	63	61	60	59	58	58	56	60	64	68	70	70	71	76	75	64
8	73	74	72	71	65	54	62	66	67	66	66	65	65	64	61	59	60	62	66	70	73	72	68	66	66
9	67	67	66	66	66	66	61	62	62	61	61	61	61	62	60	58	60	62	66	66	66	66	66	67	64
10	67	67	67	66	63	63	58	62	63	64	64	63	63	63	61	58	54	58	62	66	67	67	64	64	63
11	63	63	64	64	63	64	63	63	63	62	62	61	62	62	59	58	57	61	66	67	67	67	64	63	63
12 Q	64	64	64	63	63	63	63	63	63	63	63	62	62	60	59	57	58	61	64	64	63	64	63	62	62
13 D	64	64	64	63	61	60	60	60	60	60	60	59	60	59	55	53	52	55	68	69	66	65	64	64	61
14	65	65	65	65	65	61	59	61	65	64	61	61	62	60	57	55	55	59	64	66	68	70	69	69	63
15	69	69	69	67	65	54	60	65	66	65	65	65	64	65	60	59	61	65	69	68	69	69	68	66	65
16 D	67	67	66	65	62	59	64	65	65	62	62	61	59	55	51	53	53	56	62	66	67	69	67	67	62
17 D	70	71	76	71	59	51	59	61	50	46	57	61	65	66	62	62	65	67	67	69	69	70	71	73	64
18	75	72	66	66	65	65	65	66	68	66	66	66	68	67	65	63	60	61	66	69	71	69	68	68	67
19 D	70	70	70	69	70	69	67	66	65	63	64	65	65	66	65	63	62	66	70	72	77	75	73	71	68
20	69	68	66	65	65	65	65	65	64	64	64	61	63	65	63	60	60	63	66	69	69	67	65	66	65
21	65	64	63	63	62	60	58	59	60	60	59	60	60	59	57	53	55	61	63	65	67	65	64	63	61
22	64	64	63	62	61	59	61	63	63	62	61	62	62	59	53	53	57	62	64	62	63	61	60	59	61
23	61	60	60	59	59	52	46	53	57	57	57	58	58	58	57	53	58	61	62	63	63	60	60	58	58
24	58	57	57	57	58	57	57	58	58	57	57	57	58	57	52	51	56	62	64	64	62	59	58	57	58
25	57	57	57	57	57	57	57	57	57	56	57	58	58	57	54	53	56	58	62	63	63	61	61	63	58
26	66	62	58	57	56	56	56	57	57	56	56	55	56	57	56	57	56	57	60	60	62	61	58	57	58
27 Q	57	57	56	56	56	56	56	57	56	56	55	56	56	55	51	48	51	55	60	61	62	61	58	57	56
28	56	56	56	55	55	55	55	56	55	55	55	55	55	52	48	45	44	48	52	55	56	56	54	54	53
29	55	55	55	55	55	54	52	40	47	50	54	51	54	54	49	46	47	50	54	55	55	56	56	55	52
30 Q	55	56	55	56	55	55	55	55	55	54	53	53	54	54	49	46	50	51	53	51	51	52	52	51	53
31 Q	51	50	51	52	52	51	51	53	54	54	54	54	54	54	50	48	48	50	52	51	51	55	52	52	52
Mean	65	64	64	63	62	60	60	61	61	60	61	61	61	60	58	56	57	60	63	65	66	65	64	64	62

Table 37　　Agincourt　　　　　　　　　　15,500 γ +　　　　　　　　　　　1964

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	512	518	526	531	546	555	562	563	557	551	557	563	545	556	541	538
1-2	511	518	526	532	543	552	558	564	556	551	556	562	544	554	541	537
2-3	511	515	523	531	543	550	558	564	556	551	556	561	543	554	540	536
3-4	511	517	520	530	543	550	557	563	557	552	553	561	543	553	540	535
4-5	510	517	519	530	542	547	557	559	553	551	554	560	542	551	538	535
5-6	510	518	518	530	543	542	557	558	553	552	552	561	541	550	538	535
6-7	510	518	519	532	543	540	558	559	554	552	554	561	542	550	539	536
7-8	511	520	521	530	542	541	557	559	552	552	555	563	542	550	539	537
8-9	511	519	522	532	537	546	556	559	554	551	556	563	542	550	540	537
9-10	513	519	523	529	538	546	555	560	556	554	556	565	543	550	540	538
10-11	515	520	523	531	543	547	556	560	558	557	560	566	545	552	542	540
11-12	515	523	523	531	543	548	554	559	554	556	560	567	545	551	541	541
12-13	515	524	521	527	536	542	552	551	550	550	557	566	541	545	537	540
13-14	513	522	513	520	526	534	544	540	539	539	550	561	533	536	528	536
14-15	506	515	503	506	517	525	537	530	530	531	545	557	525	527	518	531
15-16	493	504	495	499	517	522	532	527	528	527	542	551	520	524	512	522
16-17	487	499	596	500	526	529	536	536	529	530	540	546	521	532	514	518
17-18	493	495	502	510	538	539	542	547	539	537	543	548	528	542	522	520
18-19	499	502	512	521	548	552	555	559	549	546	550	553	537	554	532	526
19-20	508	510	520	534	554	560	561	567	557	551	554	558	544	560	540	532
20-21	513	518	526	541	557	565	567	571	561	555	557	563	549	565	546	538
21-22	516	521	530	544	556	563	568	570	560	554	559	565	550	564	547	540
22-23	518	518	529	542	554	558	568	569	555	554	558	566	549	562	545	540
23-24	516	518	529	536	549	556	567	566	556	553	557	565	547	560	544	536
Mean	509	515	518	527	541	546	555	557	551	548	553	561	540	550	536	534

MEAN VALUES OF MAGNETIC ELEMENTS
DECLINATION (All Days)

Table 38   Agincourt   7° W + ... '   1964

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	26.0	27.3	27.4	27.1	27.2	27.4	27.4	28.3	26.6	25.9	27.6	27.6	27.1	27.6	26.8	27.1
1-2	25.2	26.5	26.6	26.4	27.0	27.3	25.9	28.4	26.4	25.9	27.5	26.8	26.7	27.2	26.3	26.5
2-3	24.3	25.8	26.1	26.3	27.0	27.0	26.7	27.2	25.8	26.5	27.1	27.4	26.4	27.0	26.2	26.2
3-4	24.9	24.9	26.0	26.9	26.2	27.0	26.5	27.7	27.1	26.7	27.7	27.7	26.6	26.8	26.7	26.3
4-5	26.2	25.8	26.4	27.3	25.7	26.6	26.7	27.9	26.7	27.3	28.2	28.0	26.9	26.7	26.9	27.0
5-6	26.5	27.3	27.0	27.5	27.0	27.0	27.8	27.6	27.2	27.7	28.4	28.4	27.4	27.4	27.4	27.6
6-7	27.0	27.9	28.0	26.6	27.9	27.6	28.1	28.3	26.8	27.4	29.1	28.8	27.8	28.0	27.2	28.2
7-8	27.1	28.0	28.2	26.6	27.4	27.8	28.2	28.1	27.0	27.6	28.6	29.1	27.8	27.9	27.4	28.2
8-9	27.3	27.9	27.3	26.5	27.0	27.7	27.5	27.6	26.2	27.4	28.4	28.8	27.5	27.4	26.8	28.1
9-10	27.7	28.1	26.9	26.5	27.1	26.5	27.0	26.1	25.1	26.5	28.1	28.6	27.0	26.7	26.2	28.1
10-11	27.3	27.7	27.1	25.5	24.5	24.3	24.5	25.5	24.6	26.1	27.7	28.5	26.1	24.7	25.8	27.8
11-12	27.7	27.5	26.4	24.5	22.2	22.1	22.5	23.4	23.7	25.8	27.5	28.0	25.1	22.6	25.1	27.7
12-13	26.8	26.5	24.6	23.2	21.8	21.4	21.3	22.8	22.5	25.0	27.1	27.8	24.2	21.8	23.8	27.0
13-14	24.7	24.9	23.6	22.9	23.3	22.5	22.2	23.2	22.8	24.5	26.9	27.2	24.0	22.8	23.4	25.9
14-15	23.8	24.4	24.4	24.5	25.6	24.7	24.9	26.2	25.2	25.4	27.4	26.8	25.3	25.4	24.9	25.6
15-16	25.5	25.3	27.6	27.9	29.9	29.0	28.3	30.8	28.4	28.4	29.8	28.0	28.2	29.5	28.1	27.2
16-17	28.2	28.1	30.5	31.3	33.0	32.2	31.4	34.4	31.3	30.5	31.5	29.9	31.0	32.8	30.9	29.4
17-18	30.2	30.5	33.0	33.3	34.4	34.2	33.9	35.9	32.6	32.0	32.6	31.6	32.8	34.6	32.7	31.2
18-19	30.8	31.8	33.7	34.4	34.3	34.1	34.5	35.7	32.6	31.7	32.6	32.0	33.2	34.6	33.1	31.8
19-20	31.1	31.4	33.3	33.6	33.1	33.1	33.9	34.7	31.3	30.7	31.4	31.2	32.4	33.7	32.2	31.3
20-21	29.1	30.6	32.1	32.6	31.6	31.6	32.3	32.4	29.6	29.4	30.3	30.5	31.0	32.0	30.9	30.1
21-22	28.3	29.9	30.0	30.8	29.8	30.0	30.5	30.4	28.3	28.4	29.6	29.7	29.6	30.2	29.4	29.4
22-23	27.6	29.4	29.6	29.3	28.4	28.4	28.9	28.4	27.6	27.9	29.0	28.9	28.5	28.5	28.4	28.7
23-24	26.8	28.3	28.0	27.5	27.4	27.6	27.8	28.2	27.2	26.8	28.0	28.3	27.7	27.8	27.4	27.8
Mean	27.1	27.7	28.0	27.9	27.9	27.8	27.9	28.7	27.2	27.6	28.8	28.7	27.9	28.1	27.7	28.1

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (All Days)

Table 39   Agincourt   56,000 γ +   1964

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0–1	109	104	94	108	107	89	91	85	83	80	71	65	90	93	91	87
1–2	109	103	92	105	99	87	88	84	82	79	70	64	88	90	90	86
2–3	107	102	91	100	95	85	85	81	79	77	69	64	86	86	87	86
3–4	106	98	89	100	91	80	81	79	71	75	68	63	83	83	84	84
4–5	104	95	86	94	85	77	79	75	75	72	65	62	81	79	82	82
5–6	101	93	82	93	83	73	75	73	74	71	65	60	79	76	80	80
6–7	99	89	81	94	78	70	76	72	74	71	66	60	77	74	80	78
7–8	100	91	80	92	79	72	78	74	72	70	66	61	78	76	78	80
8–9	99	92	80	91	79	77	80	75	72	67	66	61	78	78	78	80
9–10	95	90	80	89	80	80	80	78	73	67	66	60	78	80	77	78
10–11	93	90	81	91	88	81	82	81	74	70	65	61	80	83	79	77
11–12	95	92	85	93	90	83	81	81	75	72	66	61	81	84	81	78
12–13	100	94	86	95	89	82	81	79	75	72	66	61	82	83	82	80
13–14	103	95	87	94	87	80	80	78	74	71	65	60	81	81	82	81
14–15	100	92	86	93	85	78	79	76	73	69	62	58	79	80	80	78
15–16	99	89	85	92	85	77	77	76	73	67	60	56	78	79	79	76
16–17	101	90	86	94	86	76	75	77	75	68	61	57	79	78	81	77
17–18	104	93	89	99	88	76	76	79	77	70	64	60	81	80	84	80
18–19	107	96	92	104	91	78	81	83	80	73	68	63	85	83	87	84
19–20	109	100	95	107	96	82	86	87	84	75	70	65	88	88	90	86
20–21	110	102	97	113	101	87	92	90	85	78	71	66	91	92	93	87
21–22	109	103	98	118	103	90	95	90	85	79	70	65	92	94	95	87
22–23	109	105	97	118	105	92	96	89	86	79	71	64	93	96	95	87
23–24	109	104	95	121	105	90	94	87	85	80	72	64	92	94	95	87
Mean	103	96	88	100	91	81	83	80	77	73	67	62	83	84	85	82

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (Quiet Days)

Table 40   15.500 γ +   1964

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	518	523	531	541	544	557	562	565	556	553	556	567	548	557	545	541
1-2	516	522	531	540	545	556	561	567	556	552	555	565	548	557	545	540
2-3	515	520	530	538	545	553	560	564	556	550	554	564	546	556	544	538
3-4	515	521	529	539	544	554	559	566	555	550	555	564	546	556	543	539
4-5	514	521	530	538	543	554	559	566	554	550	555	563	546	556	543	538
5-6	514	522	530	539	542	552	560	564	554	551	555	563	546	554	544	538
6-7	515	524	529	540	542	555	561	564	554	552	556	562	546	556	544	539
7-8	515	525	530	541	542	553	561	563	555	555	557	563	547	555	545	540
8-9	517	524	530	541	542	552	559	563	556	555	558	565	547	554	546	541
9-10	519	523	531	539	544	553	558	562	556	556	559	566	547	554	546	542
10-11	519	523	531	540	547	554	559	564	557	557	560	568	548	556	546	542
11-12	520	526	529	541	546	552	558	562	553	556	560	568	548	554	545	544
12-13	520	528	526	537	541	546	555	554	549	552	556	567	544	549	541	543
13-14	518	527	519	527	532	537	546	542	539	541	549	564	538	539	532	540
14-15	509	521	506	514	523	532	537	533	532	531	542	559	528	531	521	533
15-16	499	511	498	508	524	532	532	531	529	527	538	551	523	530	516	525
16-17	495	501	496	512	532	541	534	540	532	528	537	548	525	537	517	520
17-18	502	500	503	520	540	552	544	552	541	535	543	552	532	547	525	524
18-19	511	506	515	529	546	561	558	564	550	543	551	558	541	557	534	532
19-20	518	513	527	537	553	565	566	571	557	551	557	564	548	564	543	538
20-21	523	520	536	545	555	568	569	572	559	557	562	569	553	566	549	544
21-22	527	525	541	548	555	564	571	571	557	557	565	571	554	565	551	547
22-23	527	526	542	545	553	560	569	570	556	558	566	572	554	563	550	548
23-24	527	527	530	542	549	556	567	570	557	558	565	570	552	560	549	547
Mean	516	520	525	535	543	552	557	560	551	549	555	563	544	553	540	538

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (Quiet Days)

Table 41   Agincourt   7° W   + ... '   1964

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	26.1	27.8	28.0	27.9	28.0	27.4	28.0	28.9	27.5	27.0	28.1	27.6	27.7	28.1	27.6	27.4
1-2	25.4	27.6	27.7	27.8	27.8	27.4	27.8	29.1	27.4	27.0	27.9	27.4	27.5	28.0	27.5	27.1
2-3	25.2	27.4	27.7	27.5	27.6	27.4	27.7	29.3	27.3	27.4	28.1	27.5	27.5	28.0	27.5	27.0
3-4	26.0	27.1	27.8	27.5	27.1	27.5	27.7	29.0	27.2	27.5	28.4	27.5	27.5	27.8	27.5	27.2
4-5	26.1	27.2	27.8	27.3	27.0	27.2	27.7	29.1	27.1	27.7	28.6	28.3	27.6	27.8	27.5	27.6
5-6	26.3	27.6	27.9	27.4	27.2	27.1	28.0	28.5	27.1	28.0	29.2	28.5	27.7	27.7	27.6	27.9
6-7	26.4	28.0	27.8	27.2	26.7	27.0	28.3	28.7	26.7	28.2	29.3	28.5	27.7	27.7	27.5	28.0
7-8	26.6	28.2	27.9	26.2	26.6	26.3	27.9	28.9	26.1	27.8	29.2	28.6	27.5	27.4	27.0	28.2
8-9	26.6	27.6	28.0	25.6	26.6	26.0	27.5	27.9	25.5	27.7	28.6	28.4	27.2	27.0	26.7	27.8
9-10	26.4	27.5	27.0	25.7	25.8	25.4	26.5	27.1	25.2	26.8	28.4	28.4	26.7	26.2	26.2	27.7
10-11	26.4	27.4	26.8	25.0	24.3	23.8	24.2	26.0	24.7	26.6	28.0	28.4	26.0	24.6	25.8	27.6
11-12	26.0	27.2	26.0	23.4	22.8	22.1	22.4	23.8	23.7	26.0	27.6	28.0	24.9	22.8	24.8	27.2
12-13	25.6	26.1	24.0	22.5	22.8	21.9	20.9	22.4	23.0	24.3	27.0	27.4	24.0	22.0	23.4	26.5
13-14	24.6	24.6	23.2	22.4	24.1	23.6	21.8	23.0	23.4	23.8	26.3	26.5	23.9	23.1	23.2	25.5
14-15	23.7	23.7	23.8	23.5	26.4	26.3	24.7	26.0	25.1	24.7	26.4	25.9	25.0	25.8	24.3	24.9
15-16	24.9	24.7	26.0	26.7	29.9	29.3	29.0	30.4	27.9	27.6	28.5	27.3	27.7	29.6	27.0	26.4
16-17	27.0	27.5	29.3	30.3	32.1	32.1	32.6	33.6	30.6	30.0	30.2	29.2	30.4	32.6	30.0	28.5
17-18	29.3	30.1	32.4	32.8	33.9	32.9	34.6	35.1	32.1	31.2	31.5	31.0	32.2	34.1	32.1	30.5
18-19	30.2	31.6	33.8	33.7	33.6	32.6	34.2	35.0	31.7	31.2	31.4	31.4	32.5	33.8	32.6	31.2
19-20	33.7	31.3	33.3	33.1	32.3	31.6	33.4	34.0	30.2	30.3	30.6	30.7	32.0	32.8	31.7	31.6
20-21	28.5	30.9	32.0	31.8	30.6	30.3	31.6	32.4	28.5	29.4	29.6	30.2	30.5	31.2	30.4	29.8
21-22	27.5	30.0	30.3	30.1	28.9	29.2	29.9	30.6	27.3	28.3	29.2	29.3	29.2	29.6	29.0	29.0
22-23	26.9	29.0	28.9	28.7	27.6	28.0	28.2	29.2	27.2	28.0	28.7	28.6	28.2	28.2	28.2	28.3
23-24	26.4	28.0	28.4	28.1	27.3	27.5	27.7	28.8	27.3	27.8	28.3	28.2	27.8	27.8	27.9	27.7
Mean	26.7	27.8	27.2	27.6	27.8	27.5	28.0	29.0	27.1	27.7	28.7	28.4	27.9	28.1	27.6	27.9

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 42　　　Agincourt　　　　　　　　　　　56,000 γ +　　　　　　　　　　　1964

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	103	97	88	101	94	84	82	84	77	77	72	59	85	86	86	83
1-2	103	97	88	101	93	83	82	83	76	76	71	59	84	85	85	82
2-3	103	97	88	101	93	82	81	82	77	75	71	59	84	84	85	82
3-4	102	96	88	100	92	83	82	81	76	75	69	59	84	84	85	82
4-5	101	95	87	99	89	82	81	78	76	75	69	58	82	82	84	81
5-6	102	95	87	99	91	82	81	78	76	75	69	58	83	83	84	81
6-7	101	94	87	98	91	82	81	78	76	75	69	58	82	83	84	80
7-8	102	94	85	98	90	81	80	78	76	75	69	59	82	82	84	81
8-9	102	93	86	99	91	82	81	78	75	74	68	59	82	83	84	80
9-10	102	94	86	98	91	84	82	79	75	74	68	58	83	84	83	80
10-11	102	94	87	100	94	84	85	81	75	74	69	58	84	86	84	81
11-12	102	94	89	100	92	83	84	82	75	75	69	58	84	85	85	81
12-13	102	95	90	100	90	82	84	81	74	76	68	58	83	84	85	81
13-14	102	94	88	100	88	81	83	79	73	74	67	57	82	83	84	80
14-15	99	92	86	97	86	78	82	79	74	72	65	54	80	81	82	78
15-16	97	88	85	94	85	74	81	78	73	70	63	51	78	80	80	75
16-17	98	88	84	95	87	72	75	78	74	71	64	53	78	78	81	76
17-18	102	90	85	98	88	72	73	80	75	74	67	56	80	78	83	79
18-19	103	93	88	100	90	75	76	84	79	74	70	59	83	81	85	81
19-20	102	97	90	101	91	80	82	87	79	75	70	59	84	85	86	82
20-21	103	99	91	103	94	84	87	86	80	77	70	59	86	88	88	83
21-22	103	99	90	103	94	85	88	85	79	76	69	60	86	88	87	83
22-23	102	98	89	102	94	85	87	83	77	75	67	58	85	87	86	81
23-24	101	97	88	100	93	84	83	81	77	75	67	57	84	85	85	80
Mean	102	95	87	99	91	81	82	81	76	75	68	58	83	84	84	81

Table 43   Agincourt   15,500 γ +   1964

U. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	509	516	522	520	551	554	567	565	558	548	554	563	544	559	537	536
1-2	511	518	524	523	541	546	566	571	552	547	550	560	542	556	536	535
2-3	513	509	515	516	540	534	555	575	553	551	550	559	539	551	534	533
3-4	508	517	511	521	544	534	555	565	553	555	546	560	539	550	535	533
4-5	503	507	508	518	535	526	550	555	542	551	552	560	534	542	530	530
5-6	498	508	500	519	536	499	554	547	546	553	542	560	530	534	530	527
6-7	498	506	504	529	529	485	558	550	545	553	553	562	531	530	533	530
7-8	504	518	507	516	536	504	557	550	539	550	551	563	533	537	528	534
8-9	500	517	509	520	524	534	558	547	543	542	552	564	534	541	528	533
9-10	494	517	512	513	516	528	557	555	552	544	553	565	534	539	530	532
10-11	508	513	504	522	537	528	557	554	552	554	565	566	538	544	533	538
11-12	502	515	511	521	534	534	547	554	545	556	559	569	537	542	533	536
12-13	506	524	511	516	525	529	551	543	545	544	557	567	535	537	529	538
13-14	504	523	505	510	516	522	540	534	534	529	550	557	527	528	520	534
14-15	498	511	493	495	500	517	538	521	521	528	543	560	519	519	509	528
15-16	476	493	487	482	498	512	532	517	522	519	546	554	511	515	502	517
16-17	468	500	479	481	515	513	539	529	515	521	541	544	512	524	499	513
17-18	479	490	480	493	526	519	541	542	529	523	540	545	517	532	506	514
18-19	477	498	490	508	543	534	556	553	542	538	549	549	528	546	520	518
19-20	492	504	504	532	551	544	554	559	555	541	554	553	537	552	533	526
20-21	498	511	504	540	550	554	569	564	559	546	555	559	542	559	537	531
21-22	505	516	519	540	551	552	572	561	558	547	557	560	545	559	541	534
22-23	504	508	514	533	550	550	571	567	548	543	548	557	541	560	534	529
23-24	504	507	514	531	548	553	567	561	553	542	540	557	540	557	535	527
Mean	498	510	505	517	533	529	555	552	544	543	550	559	533	542	527	529

MEAN VALUES OF MAGNETIC ELEMENTS
DECLINATION (Disturbed Days)

Table 44   Agincourt   7° W + ... '   1964

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	25.0	27.2	26.4	26.1	27.8	27.3	27.5	28.4	28.1	25.5	27.0	27.7	27.0	27.8	26.5	26.7
1-2	23.1	23.6	24.5	25.7	25.8	25.5	25.6	26.9	26.4	26.5	26.5	25.2	25.4	26.0	25.8	24.6
2-3	23.3	23.1	25.2	22.8	27.2	23.1	25.4	22.9	23.0	25.6	25.6	26.9	24.6	24.6	24.4	24.7
3-4	23.3	20.5	25.3	25.5	24.7	25.8	22.1	25.4	27.0	27.0	27.0	27.2	24.4	24.5	26.0	24.5
4-5	27.2	23.5	24.3	27.9	21.5	23.4	23.5	26.6	25.7	28.2	26.4	27.4	25.5	23.8	26.5	26.1
5-6	25.8	26.7	25.4	30.5	26.2	25.2	27.5	21.1	26.4	27.4	26.6	28.1	26.4	25.0	27.4	26.8
6-7	27.1	28.2	27.8	29.3	28.8	28.4	28.2	26.1	24.2	27.1	29.1	28.7	27.7	27.9	27.1	28.3
7-8	25.2	29.0	27.5	26.2	27.3	31.7	28.4	28.7	25.1	26.7	28.3	29.1	27.8	29.0	26.4	27.9
8-9	26.5	27.4	27.2	28.4	28.7	29.7	27.9	30.3	25.5	26.6	28.5	29.8	28.0	29.2	26.9	28.0
9-10	32.5	28.6	26.6	30.5	32.1	29.0	25.7	25.2	22.2	28.1	29.6	29.4	28.3	28.0	26.8	30.0
10-11	30.1	28.3	29.4	24.6	25.2	26.3	23.8	24.8	22.7	26.8	28.2	28.8	26.6	25.0	25.9	28.8
11-12	32.2	31.1	28.5	24.9	20.9	21.6	24.6	21.1	23.6	25.0	28.2	28.1	25.8	22.0	25.5	30.0
12-13	28.8	29.1	26.5	23.0	20.2	21.2	22.0	22.3	22.9	24.5	28.6	28.4	24.8	21.4	24.2	28.7
13-14	25.1	26.0	25.2	23.5	22.5	23.3	22.8	22.9	23.8	25.2	27.2	28.3	24.6	22.9	24.4	26.6
14-15	24.4	24.8	25.8	25.4	23.5	25.7	25.1	26.6	26.0	26.1	29.3	28.3	25.9	25.2	25.8	26.7
15-16	27.1	25.9	29.6	28.6	30.4	29.3	28.3	31.7	29.1	28.9	32.8	28.6	29.2	29.9	29.0	28.6
16-17	30.7	29.0	32.4	32.6	32.9	32.6	31.2	33.7	33.3	30.7	33.4	31.1	32.0	32.6	32.2	31.0
17-18	32.2	31.2	35.4	34.4	35.0	34.9	34.3	35.4	34.9	33.1	34.6	33.2	34.0	34.9	34.4	32.8
18-19	31.9	33.1	35.5	36.7	34.7	35.1	35.5	36.2	34.5	32.7	34.9	33.1	34.5	35.4	34.8	33.2
19-20	31.5	32.3	35.2	35.0	34.0	34.0	34.7	34.9	32.0	31.9	32.6	31.7	33.3	34.4	33.5	32.0
20-21	29.2	30.8	33.8	34.8	32.0	32.0	32.7	32.1	30.4	29.7	30.6	31.1	31.6	32.2	32.2	30.4
21-22	28.3	30.4	29.7	32.4	30.4	30.6	30.2	30.6	29.7	29.5	29.9	30.7	30.2	30.4	30.3	29.8
22-23	27.3	29.9	29.0	31.5	28.3	27.7	28.8	26.8	27.6	29.7	29.7	29.9	28.8	27.9	29.4	29.2
23-24	25.7	28.2	26.7	25.8	25.7	26.6	27.8	27.9	25.6	25.3	26.7	28.7	26.7	27.0	25.8	27.3
Mean	27.6	27.8	28.5	28.6	27.7	27.9	27.6	27.9	27.1	27.8	29.2	29.2	28.1	27.8	28.0	28.4

Table 45   Agincourt   56,000 γ +   1964

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	113	105	99	111	126	101	97	87	90	84	73	67	96	103	96	90
1-2	112	102	91	106	102	99	91	86	91	85	72	67	92	94	93	88
2-3	109	101	93	97	95	91	87	81	79	80	72	68	88	88	87	88
3-4	107	90	92	97	94	71	70	76	53	75	69	66	80	78	79	83
4-5	100	86	75	76	70	65	59	64	73	71	53	63	71	64	74	76
5-6	88	82	58	72	65	39	59	55	66	63	54	61	62	54	65	71
6-7	86	63	65	91	47	25	71	55	67	61	57	63	63	50	71	67
7-8	96	77	63	76	59	43	78	57	60	63	64	63	67	59	66	75
8-9	88	84	64	77	57	75	81	53	55	54	65	61	68	66	62	74
9-10	65	85	67	66	42	70	83	71	56	53	61	59	65	66	60	68
10-11	52	80	57	77	71	69	84	77	62	65	54	61	67	75	65	62
11-12	56	78	68	86	82	79	73	75	69	71	59	61	71	77	74	64
12-13	86	84	72	89	84	80	76	75	70	72	62	62	76	79	76	74
13-14	101	88	80	90	84	77	75	75	72	69	60	61	78	78	78	78
14-15	99	88	80	90	83	78	72	74	73	69	56	58	77	77	78	75
15-16	100	86	83	92	86	77	71	76	75	68	55	57	77	78	80	74
16-17	105	90	84	96	89	76	73	78	81	71	57	58	80	79	83	78
17-18	111	94	93	105	89	78	78	80	81	74	62	62	84	81	88	82
18-19	119	98	101	117	95	80	86	84	85	76	67	67	90	86	95	88
19-20	119	106	107	124	102	86	93	92	92	80	70	69	95	93	101	91
20-21	119	106	113	142	104	94	101	99	93	86	71	70	100	100	108	92
21-22	116	108	119	162	102	96	109	100	91	85	71	70	102	102	114	91
22-23	116	111	115	157	105	98	112	101	96	88	75	70	104	104	114	93
23-24	117	110	110	166	109	96	113	100	92	89	83	70	105	104	114	95
Mean	99	92	85	103	85	77	83	78	76	73	64	64	82	81	84	80

Table 46   THREE-HOUR RANGE INDICES, AGINCOURT, 1964   (K9=600γ)

January / **February**

	D	H	Z	K	D	H	Z	K
1	0011 1121	0010 1222	0000 0110	0011 1222	2211 1124	2211 1323	1210 0011	2211 1324
2	0647 4332	1556 4432	0566 5321	1667 5432	3122 2100	2111 2200	0001 1000	3122 2200
3	4523 3333	4322 2324	3212 2212	4523 3334	0100 1100	0100 1111	0000 0010	0100 1111
4	5532 3332	4421 3232	2211 1111	5532 3332	1244 3210	1232 3211	0023 1000	1244 3211
5	2131 2001	1210 2120	0121 0000	2231 2121	1210 2113	1211 1234	0000 1123	1211 2234
6	3212 2000	1100 1111	0000 0100	3212 2111	5455 3223	3433 3223	2543 2111	5555 3223
7	0013 4301	0012 3211	0001 2100	0013 4311	3434 1323	2323 1422	0223 0111	3434 1423
8	0001 2222	0101 1212	0000 0001	0101 2222	4112 1324	3111 2334	2001 1124	1122 2334
9	3222 2333	2221 2334	1111 1122	3222 2334	3433 3212	2323 3322	2312 1111	3433 3322
10	5432 3313	3321 2212	2430 1110	5432 3313	2212 1101	2201 1221	1110 0010	2212 1221
11	2321 2101	2111 2211	0100 1000	2321 2211	1010 1000	1100 1100	0000 0000	1110 1100
12	2100 2110	1100 1110	1000 1000	2100 2110	2234 3301	0123 3222	0022 1111	2234 3322
13	3300 2001	1200 1211	0000 0000	3300 2211	5654 3421	3444 4332	1454 2211	5654 4432
14	0000 1000	0000 0000	0000 0000	0000 1000	0431 2202	1301 2322	0210 1111	1431 2322
15	0000 1100	0000 0101	0000 1000	0000 1101	1032 2100	1121 2321	0021 1110	1132 2321
16	1224 3432	2224 4332	1125 3221	2225 4432	0021 1100	0121 2111	0010 0001	0121 2111
17	3234 2101	4333 3121	3243 1100	4344 3121	0122 2210	1012 1221	0021 1111	1122 2221
18	3321 2100	2211 1131	0110 1001	3321 2131	0012 2211	1122 2212	0010 0110	1122 2212
19	0020 1211	0020 3232	0000 0110	0020 3232	0110 0000	1110 0020	0000 0010	1110 0020
20	2312 2100	1101 1100	0000 1000	2312 2100	0012 3434	0112 3334	0001 1124	0112 3434
21	1110 0000	1100 0000	0010 0000	1110 0000	5433 3110	5313 2221	6322 1111	6433 3221
22	2110 1100	1110 0100	0000 0000	2110 1100	2231 2111	1001 2132	0011 1111	2231 2132
23	0000 2201	0001 1211	0000 0010	0001 2211	1220 1121	1211 1331	0110 0010	1221 1331
24	2223 2211	2311 2221	0111 1110	2323 2221	0212 2101	0111 1122	0000 1001	0212 2122
25	1221 2123	3230 1143	1020 0021	3231 2143	2224 2333	1123 1343	0011 0142	2224 2343
26	4001 1001	2000 1121	0000 0010	4001 1121	1525 5201	2413 3213	1423 3001	2525 5213
27	3000 0000	1010 0011	0000 0000	3010 0011	4202 1221	3101 1342	2100 1121	4202 1342
28	0321 2223	1311 1143	0210 1011	1321 2243	3333 3311	3433 3322	1332 2211	3433 3322
29	3433 4311	3322 3322	1442 2101	3443 4322	2431 2210	1221 1233	0321 0111	2431 2233
30	3222 3211	3112 3232	1011 1110	3222 3232				
31	0125 4332	1214 3442	0003 3231	1225 4442				

March / **April**

	D	H	Z	K	D	H	Z	K
1	2111 2000	2100 1110	1000 0101	2111 2111	0001 4347	1111 4456	0000 2347	1111 4457
2	0010 1000	0000 0011	0010 1111	0010 1111	5534 3244	3322 3333	4423 1332	5534 3344
3	1112 2212	1010 2123	0000 1112	1112 2223	5533 2111	3422 3323	4433 1111	5533 3323
4	4445 5536	5434 4454	3535 4334	5545 5556	4433 1102	3221 1021	3232 1011	4433 1122
5	6243 3345	5332 4344	5233 2144	6343 4345	2323 2113	2311 1224	2212 0112	2323 2224
6	3433 3212	3223 2332	3322 1210	3433 3332	0301 2103	2310 1122	2100 1011	2311 2123
7	4222 2211	3222 2123	1111 0011	4222 2223	3232 3131	2221 2231	1120 1011	3232 3231
8	4343 3113	2232 3123	1243 2012	4343 3123	2244 2111	1123 2232	0033 2121	2244 2232
9	3433 1110	2321 0110	1221 0000	3433 1110	3433 2100	2222 2101	1312 0000	3433 2101
10	0121 2221	0110 0111	0010 0010	0121 2221	0133 2001	1013 2101	0011 0100	1033 2101
11	0243 2311	1222 2122	0122 1010	1243 2322	0023 3220	0113 4332	0013 2221	0123 4332
12	4523 3210	3433 2222	3343 0100	4544 3222	0210 1000	0110 0013	0010 0011	0210 1013
13	2233 2101	1212 2122	0101 1011	2233 2122	2210 0101	2100 0123	0000 0111	2210 0123
14	1232 3223	2311 2133	0111 1121	2332 3233	0012 2000	2111 1111	0001 1101	2112 2111
15	4332 3332	2211 3233	1210 1111	4332 3333	0012 3213	1012 3123	0001 1222	1012 3223
16	2313 2211	3211 2223	2101 0111	3313 2223	3332 2100	3121 1222	4220 0111	4332 2222
17	3244 2201	2233 1211	0121 1000	3244 2211	5353 3221	4343 2123	3341 1101	5353 3223
18	0121 2101	1111 1111	0100 0000	1121 2111	0034 4433	1123 4443	0022 2321	1134 4443
19	0021 2201	1120 1212	0010 0111	1121 2212	5434 3313	3224 2333	3323 1123	5434 3333
20	0122 2232	1122 2132	0120 1011	1122 2232	3343 1224	3132 2233	3231 0112	3343 2234
21	4321 2123	3221 1233	2110 1012	4321 2233	4223 2012	3111 2132	3010 0012	4223 2132
22	1123 4444	1122 4454	0012 2233	1123 4454	0021 1000	1011 0011	0000 0001	1021 1011
23	3445 2322	2435 3333	2435 2221	3445 3333	1210 1000	1210 0021	0100 1010	1210 1021
24	2544 3321	3333 3332	1333 2211	3344 3332	0002 1100	0111 1122	0000 1011	0112 1122
25	4332 2233	3321 2243	2321 1122	4332 2243	1223 3213	2122 3233	0012 1121	2223 3233
26	4532 2110	3421 1221	3310 0111	4532 2221	2341 2113	2322 1223	2321 2111	2342 2223
27	1030 2210	1020 1112	0010 0011	1030 2212	3243 3442	3323 3444	1031 2243	3343 3444
28	0001 1000	0010 0100	0000 0000	0011 1100	5554 2124	5554 2234	5654 3222	5654 3234
29	0000 1101	0000 1233	0000 1012	0000 1233	5423 3222	3312 2242	3432 1110	5433 3242
30	1444 3432	3444 3431	1444 2211	3444 3431	0011 1234	1011 1233	0011 0135	1011 1235
31	1011 2000	0011 1121	0000 1011	1011 2121				

THREE-HOUR RANGE INDICES, AGINCOURT, 1964

May / June

Day	May D	May H	May Z	May K	June D	June H	June Z	June K
1	6533 3221	5423 3233	7432 2121	7533 3233	0211 2110	1210 2222	0101 1010	1211 2222
2	3343 3003	2331 2022	2242 1001	3343 3023	0020 1110	1101 1222	1001 1121	1121 1222
3	2101 0000	3101 0122	0000 0011	3101 0122	0202 1100	1211 0012	0100 1001	1212 1112
4	2122 1000	1111 1012	0110 1111	2122 1112	0122 1100	2010 1122	1001 1100	2122 1122
5	2123 3200	2322 2221	0122 1011	2323 3221	1102 0111	1000 0111	0000 1111	1102 1111
6	0021 1100	0021 1232	0000 0111	0021 1232	0113 2000	0112 2122	0001 1121	0113 2122
7	1321 1000	0211 0111	0111 0001	1321 1111	0001 1111	1000 1133	0010 2011	1011 2133
8	0000 0000	0000 0011	0000 0000	0000 0011	1132 2000	3322 1123	1133 1111	3333 2123
9	0000 1212	0000 0010	0000 0010	0000 1212	1213 2311	3211 2222	1121 0111	3223 2322
10	2122 3334	3232 3344	2011 2255	3232 3355	3575 4334	3785 4234	2774 2223	3785 4334
11	4541 1000	4530 1112	6541 0111	6541 1112	5543 3423	4423 3344	4533 2132	5543 3444
12	0223 0000	1110 0011	1101 0010	1223 0011	3334 2332	3322 2333	3222 1222	3334 2333
13	0002 3333	0011 4453	0000 1232	0012 4453	3333 2211	2322 2232	2321 1121	3333 2232
14	2154 3422	2243 5533	0343 2221	2354 5553	1333 2213	2211 1132	1322 1212	2333 2232
15	3654 3114	2552 2234	1663 2123	3664 3234	3321 2100	3121 1122	1200 1112	3321 2122
16	4343 3231	3343 3343	3354 1121	4354 4334	2112 1121	2110 1222	1010 1111	2112 1222
17	1134 3221	1134 2133	0112 2021	1134 3233	0212 2000	0111 2112	0000 1210	0212 2112
18	1323 3100	1222 2121	0220 0110	1323 3121	1002 3322	0012 3143	0001 2123	1012 3343
19	1223 1121	2211 1223	0100 1111	2223 1223	0000 1221	1101 0234	1000 1121	1101 1234
20	1012 2100	1100 2111	1000 1000	1112 2111	3313 4322	3222 4332	1212 2221	3323 4332
21	0112 2100	0111 1122	0101 0111	0112 2122	4224 2220	3133 2332	2122 1221	4234 2332
22	0021 2001	0111 1122	1010 1110	0121 2122	1102 2321	1111 3223	1000 1121	1112 3323
23	1311 2112	2111 2114	0210 0112	2311 2114	0322 2112	1122 2222	1011 1222	1322 2222
24	3544 4323	3544 2233	2454 1222	3554 4333	1101 1220	2110 0132	2001 0121	2111 1232
25	1156 4234	2255 3334	2055 1232	2256 4334	3452 2111	2331 1122	1333 1110	3453 2122
26	4120 2210	3110 2222	2010 2010	4120 2222	2222 2110	1122 2121	0211 1010	2222 2121
27	2353 2212	3342 2333	0333 1111	3353 2333	0011 2211	0021 2222	0010 1111	0021 2222
28	3203 2332	2212 2232	1101 2111	3213 2332	0223 2330	1212 3331	0101 2211	1223 3331
29	0322 2001	2211 1123	1200 0011	2322 2123	1233 0210	1222 1121	0202 1110	1233 1221
30	1122 2103	1111 2114	0110 1112	1122 2114	2201 1100	1201 1122	0000 0111	2201 1122
31	2212 2000	1111 111	0100 1111	2212 2111				

July / August

Day	July D	July H	July Z	July K	August D	August H	August Z	August K
1	2111 1010	2101 1011	0000 0111	2111 1111	4322 2010	2211 1112	2200 0221	4322 2222
2	0001 1112	1001 1223	1001 0012	1001 1223	0100 1111	0100 1123	0100 0211	0100 1223
3	2333 3333	3243 3344	1222 1132	3343 3344	1301 2200	2311 1212	0100 0211	2311 2212
4	3442 2111	3222 1222	3331 0111	3442 2222	5664 3322	4653 2223	3643 2211	5664 3323
5	1102 2120	1101 0122	1101 1111	1102 2122	3324 3234	2222 3333	1312 1222	3324 3334
6	2112 2101	2111 1222	1100 0211	2112 2222	4412 1001	2310 0102	3320 0111	4422 1112
7	2434 4233	2311 3345	1322 2133	2434 4345	4333 4222	2332 3221	2332 2110	4333 4222
8	5533 3124	3423 4234	4432 2132	5533 4234	3121 1010	1210 1123	1210 1021	3221 1123
9	4443 2335	3323 2234	3322 2232	4443 2335	2302 3232	1301 2232	2100 1022	2302 3232
10	3344 3200	3334 3231	3323 1120	3344 3231	1132 0000	1110 1011	1111 0111	1132 1111
11	3112 3111	3101 2232	1100 2111	3112 3232	4433 3445	3432 4344	2442 2233	4443 4445
12	2123 2211	2111 2122	2001 2121	2123 2222	4244 3232	3232 2333	3243 1121	4244 3333
13	3124 3111	2212 2122	2012 1011	3224 3122	3332 2113	2211 1133	1221 0221	3332 2233
14	1221 1110	2211 1111	1221 1221	2221 1221	1002 1110	1111 1232	0001 0121	1112 1232
15	1010 0000	1010 0001	0000 1111	1010 1111	1200 0000	1200 0012	0100 0011	1200 0012
16	1102 2221	2111 1233	1000 1121	2112 2233	2011 2201	2211 1123	0011 0101	2211 2223
17	3113 3542	3112 4443	1111 2332	3113 4543	2301 2210	3201 1121	1200 1100	3301 2221
18	6634 4333	4424 3333	5444 3212	6644 4333	2132 2211	1221 1222	0011 1101	2232 2222
19	3344 2122	3333 1234	3333 1222	3344 2234	0123 2210	0012 2223	0010 1111	0123 2223
20	3234 3221	3223 2122	3212 1101	3234 3222	1101 2201	2100 1122	0000 1111	2101 2222
21	2102 1123	2112 1133	0000 1112	2112 1133	0111 2100	1212 1111	0000 1100	1212 2111
22	3234 3232	2322 2233	1232 1221	3334 3233	3333 2100	3222 2122	2122 0021	3333 2122
23	3133 2100	1013 1122	2021 1121	3133 2122	2012 1100	1111 1112	0000 0101	2112 1112
24	0103 2000	1111 1121	1001 0221	1113 2121	0011 0100	1010 0122	0001 1111	1011 1122
25	2223 2112	1211 3222	0211 1121	2223 3222	1200 3331	1210 2333	0100 1111	1210 3333
26	1213 3100	1111 2112	0111 0103	1213 3113	2343 3113	3321 2224	1220 1011	3343 3224
27	1102 1120	1101 1122	0000 0011	1102 1122	2332 2221	2322 2122	2112 1111	2332 2222
28	0001 1211	2101 2112	0001 1221	2101 2222	0001 1101	1100 0122	0000 1111	1101 1122
29	1213 3332	2123 3343	0111 2131	2223 3343	2013 1100	1012 1132	0001 1121	2013 1132
30	3343 3323	3323 3233	2331 1222	3343 3333	0122 1000	1100 0111	0000 0011	1122 1111
31	3243 1112	3222 2122	2221 1011	3243 2122	3322 3113	2223 3224	1221 1023	3323 3224

THREE-HOUR RANGE INDICES, AGINCOURT, 1964

September — October

Day	D (Sep)	H (Sep)	Z (Sep)	K (Sep)	D (Oct)	H (Oct)	Z (Oct)	K (Oct)
1	5542 3313	2331 2223	4331 1112	5542 3323	4332 2000	3321 1111	3111 1000	4332 2111
2	4233 3211	3121 1122	2211 0101	4233 3222	3000 1100	1100 0110	0000 0000	3100 1110
3	3222 3221	2210 1232	1100 0121	3222 3232	2011 3312	2010 3333	0000 2212	2011 3333
4	1233 3102	2212 2233	0221 0212	2233 3233	3533 3445	3323 2444	2322 1233	3533 3445
5	3422 3000	3301 1000	2301 0000	3422 3000	4432 3133	4322 3233	3221 1111	4432 3233
6	1222 3123	0111 2134	0101 1023	1222 3134	3131 3313	2121 2333	0010 1122	3131 3333
7	3134 4345	3224 3445	2123 2234	3234 4445	4323 2112	3222 2132	3321 1121	4323 2132
8	5453 3323	4243 2343	3343 1122	5453 3343	3242 2223	2221 3232	2222 1121	3242 3233
9	3423 3323	3422 2232	3312 2122	3423 3333	2444 2211	2233 2121	2244 1000	2444 2221
10	4211 2212	4201 1221	3100 0011	4211 2222	3002 2100	2001 1110	1000 0110	3002 2110
11	3211 1000	2210 0002	0110 0110	3211 1112	0011 2001	0000 1111	0000 1000	0011 2111
12	3101 1000	2111 1111	1000 0000	3111 1111	0035 4311	1023 3222	0033 2200	1035 4322
13	1001 0000	0011 0011	0000 0010	1011 0011	3221 2111	2111 1122	1121 1010	3221 2122
14	0001 1100	1010 0110	0000 1000	1011 1110	3422 1000	2311 1001	1310 1001	3422 1001
15	0001 1000	0111 0122	0000 0001	0111 1122	2133 2002	2121 0011	1011 1100	2133 2111
16	0212 3234	1311 3243	0101 1132	1312 3244	2310 0000	1210 0021	0210 0010	2310 0021
17	3312 3111	3211 2111	2101 1110	3312 3111	2432 2100	1211 2111	0331 1010	2432 2111
18	1112 1100	1102 2111	0100 1100	1112 2111	0212 2224	1222 1233	0200 0022	1222 2234
19	0210 1000	0101 1012	0000 0011	0211 1012	3332 4333	3222 4333	2331 2222	3332 4333
20	0000 1000	0011 1102	0000 0000	0011 1102	5313 1211	4312 2132	3211 1110	5313 2232
21	0121 1101	1110 0112	0000 0011	1121 1112	3333 3231	2322 2332	1221 0221	3333 3332
22	7732 2201	7622 2232	6722 1010	7732 2232	2132 1000	1111 0010	1011 1000	2132 1010
23	2242 1001	2132 1023	1132 0001	2242 1023	0000 0000	0000 0000	0000 0000	0000 0000
24	0323 1100	1213 1221	0102 1121	1323 1221	0000 0003	0001 0233	0000 1111	0011 1233
25	2211 0002	2211 1011	0100 1000	2211 1112	2100 2000	1000 0111	1000 2100	2100 2111
26	2032 1000	1011 0011	0011 0001	2032 1011	2355 2112	2245 2121	1355 2110	2355 2122
27	0020 1102	1010 1114	0010 0003	1020 1114	2212 2100	1102 1210	0112 0100	2212 2210
28	5444 3423	3343 4432	4444 2321	5444 4433	3101 2121	1101 1121	0000 0011	3101 2121
29	1230 1001	1221 1113	1220 0001	1231 1113	3331 1110	3321 0112	2310 1000	3331 1112
30	2442 3223	2431 3223	0233 1111	2443 3223	2202 2100	1100 0011	0000 0000	2202 2111
31					1100 1000	1101 0110	0000 0000	1101 1110

November — December

Day	D (Nov)	H (Nov)	Z (Nov)	K (Nov)	D (Dec)	H (Dec)	Z (Dec)	K (Dec)
1	0222 3334	0311 2334	0201 1213	0322 3334	3133 2100	2121 1121	1022 0010	3133 2121
2	3432 2213	2321 1012	2321 1011	5432 2213	0021 1000	1011 0011	0000 0100	1021 1111
3	3220 0000	3110 0100	1000 0100	3220 0100	0212 2112	0101 1032	0000 1011	0212 2132
4	1301 3202	2201 2112	0100 1011	2301 3212	0201 1010	1101 2221	0000 0100	1201 2221
5	2110 2222	1101 2221	0100 0110	2111 2222	2101 0000	1101 1011	0000 0000	2101 1011
6	1122 1101	0111 1111	0010 0010	1122 1111	0010 1000	0010 0122	0000 0001	0010 1122
7	0000 1000	0000 0101	0000 0100	0000 1101	0002 3322	1012 2323	0001 1101	1012 3323
8	1221 2012	2211 2132	1110 0111	2221 2132	2310 1000	2311 1011	0210 0011	2311 1011
9	4433 2123	3422 2333	3422 1111	4433 2333	0122 1102	1111 0002	0010 0001	1122 1102
10	4232 1111	3111 1111	2101 0010	4232 1111	0220 1000	2110 0000	0100 0100	2220 1100
11	1132 1111	1211 1111	0101 0000	1232 1111	0111 1000	0000 0111	0000 0100	0111 1111
12	2431 2111	1201 1222	1001 0011	2431 2222	0110 0010	1101 1011	0000 0000	1111 1011
13	2232 1010	1121 1100	1110 0000	2232 1110	0002 2231	0111 1432	0010 0120	0112 2432
14	0010 1000	0000 0000	0000 0000	0010 1000	0233 2112	1231 1111	0110 1010	1233 2112
15	0022 3333	0101 3334	0000 1223	0122 3334	3321 2100	2311 0210	0210 1100	3321 2210
16	2132 2213	2211 1122	2132 1011	2232 2223	1223 5111	1213 4212	0110 2111	1223 5212
17	1011 2110	1010 1111	1000 1000	1011 2111	5434 1211	3322 1111	2322 0111	5434 1211
18	0011 1111	1011 0112	0010 0011	1011 1112	3210 1002	2110 0001	1010 0011	3210 1012
19	0100 1000	1200 0010	0100 0000	1200 1010	1211 1312	0100 1221	0000 0111	1211 1322
20	1102 1000	0101 0000	0000 0100	1102 1100	0002 1111	0002 1012	0000 0000	0002 1112
21	0011 1001	0000 0112	0000 0000	0011 1112	0012 2100	0120 0100	0010 0000	0122 2100
22	1112 2111	1112 1112	1001 0000	1112 2112	0111 1100	1100 1000	0000 1210	1111 1210
23	3235 4221	2344 4210	0343 2210	3345 4221	0221 1000	0220 0000	0220 0000	0221 1000
24	1121 0000	0111 1000	0000 0000	1121 1000	0110 1100	0000 0001	0000 1110	0110 1111
25	0000 0100	0000 0121	0000 0110	0000 0121	0001 1212	0000 1112	0000 0101	0001 1212
26	0313 3211	0113 2201	0102 1210	0313 3211	2000 2000	2000 1110	1000 0000	2000 2110
27	0100 1001	0100 0011	0000 0010	0100 1011	0000 1100	0000 1011	0000 1000	0000 1111
28	3222 2120	2212 1221	1111 0010	3222 2221	2000 1002	1000 0011	0000 1101	2000 1112
29	0001 0112	0000 0003	0000 0000	0001 0113	0041 2100	1011 1100	0020 0110	1041 2110
30	2322 1202	3311 1111	2320 1000	3322 1212	0100 1000	1000 0000	0000 1000	1100 1000
31					0111 1100	1110 1011	0010 1010	1111 1111