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RECORD OF OBSERVATIONS AT  
AGINCOURT MAGNETIC OBSERVATORY  
1965

W.R. Darker and D.L. McKeown

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# AGINCOURT MAGNETIC OBSERVATORY, 1965

Geographic Coordinates: 43° 47'N; 79° 16'W

Geomagnetic Coordinates: 55.0°N; 347.0°E

Officer-in-Charge W. R. Darker

Assistant D. L. McKeown

## Introduction

Agincourt Magnetic Observatory was established in 1898 one-half mile south of the old village of Agincourt (now part of Metropolitan Toronto). Although industrial construction continues in the vicinity of the Observatory, it is believed that artificial disturbances have not impaired the validity of values reported in this publication.

Mr. A. A. Onhauser who had been Officer-in-Charge since June 1960, retired in September 1965.

## Absolute Instruments

Ruska magnetometer No. 6513 was used as the standard for declination.

QHM's (la Cour and Sucksdorff, 1936) Nos. 258, 391, 571, 572 and 573 were used to measure horizontal intensity and were compared with a Schuster-Smith coil magnetometer (Jackson 1938; Smith 1922).

Inclination was determined with a Toepfer No. 1911 earth inductor up to August 1965. When a coil winding broke, a Ruska earth inductor No. 11650 was used as a standard until the end of the year. During August a portable fluxgate magnetometer (Serson and Hannaford, 1956) DO No. 8 was compared with the results of the two earth inductors.

Total intensity was determined by a proton precession magnetometer (Serson 1962).

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

- for D, I.M.S. = Ruska 6513 +0.0'
- for H, I.M.S. = QHM 258 -9.3 $\gamma$   
 = QHM 391 -13.0 $\gamma$   
 = QHM 571 -4.2 $\gamma$   
 = QHM 572 -3.9 $\gamma$   
 = QHM 573 -5.9 $\gamma$   
 = Schuster-Smith +0.0 $\gamma$
- for I, I.M.S. = Toepfer 1911 -0.25'  
 = Ruska 11650 +0.0'  
 = Dominion Observatory No. 8 +0.0'
- for F, I.M.S. = Proton precession magnetometer +0.0 $\gamma$  (4257.60 Hz per oersted)

The I.M.S. corrections for D and H are discussed in some detail in the *Record of Observations at Agincourt Magnetic Observatory, 1964*. The I.M.S. correction for the Schuster-Smith of +1.9 $\gamma$  reported in the 1964 publication is in error. Subsequent comparisons using recently determined pier differences show that this correction should be +0.0 $\gamma$  for 1964.

## Variometers

Two sets of photographic recorders were operated continuously: a Ruska at normal sensitivity and a laCour at low sensitivity. The paper speed was 20mm/hr for the Ruska recorder and 15 mm/hr for the laCour.

A fluxgate recording magnetometer (Serson 1957) provided an immediately visible record of D, H, and Z at a speed of 20 mm/hr and a sensitivity of 4.0  $\gamma$ /mm.

The scale values per mm of the photographic variometers during 1965 are listed below.

Month	Ruska			la Cour		
	H	D	Z	H	D	Z
	$\gamma$ /mm	'/mm	$\gamma$ /mm	$\gamma$ /mm	'/mm	$\gamma$ /mm
January	5.5	1.06	5.6	5.3	0.93	16.6
February	5.5	1.06	5.6	5.3	0.93	16.6
March	5.5	1.05	5.6	5.3	0.93	16.6
April	5.5	1.06	5.6	11.5	0.93	16.6
May	5.5	1.06	5.6	11.5	0.93	16.6
June	5.5	1.06	5.5	11.6	0.93	16.6
July	5.5	1.07	5.5	11.6	0.93	16.6
August	5.5	1.07	5.5	11.5	0.93	16.6
September	5.5	1.07	5.6	11.5	0.93	16.6
October	5.5	1.07	5.6	11.4	0.93	16.6
November	5.4	1.06	5.6	11.5	0.93	16.6
December	5.4	1.06	5.6	11.5	0.93	16.5

## Absolute Observations and Baseline Values

Absolute observations were made at least once a week. Baseline values were adopted by fitting French curves as closely as possible to the observed values.

### Declination

No discontinuities occurred in the baseline this year. The rms difference of the observed minus the adopted baseline values was 0.15'.

*Horizontal Intensity*

Due to a readjustment of the Ruska traces, a discontinuity of +89 $\gamma$  occurred on April 1 at 0000 hr UT. The rms difference of the observed minus the adopted baseline values was 2 $\gamma$ .

*Vertical Intensity*

A discontinuity of -66 $\gamma$  occurred on April 1 at 0000 hr UT. The r.m.s. difference of the observed minus adopted baseline values was 3 $\gamma$ .

**Notes on the Tables**

Greenwich mean time (UT) is used throughout.

The hourly values of H, D, and Z were manually scaled and punched on cards. The tables were calculated by a CDC 3100 computer. The computer was programmed in such a way that the output was compatible with offset printing techniques.

Table 46 lists the three-hour range indices in D, H, and Z, as well as the K-indices which are sent bimonthly to the I.A.G.A. Copies of K-indices were also supplied to the National Research Council of Canada.

The magnetograms were read each month for magnetic phenomena and the results reported to the I.A.G.A.

**Annual Means**

Year	D West	H	Z	X	Y	I North	F
1955.5	7 16.4	15561	56194	15436	-1970	74 31.3	58308
1956.5	16.8	601	218	475	-1977	29.4	343
1957.5	19.1	642	203	515	-1992	26.8	339
1958.5	19.7	686	196	558	-2001	24.2	344
1959.5	18.8	739	207	611	-2004	21.2	369
1960.5	19.7	797	205	668	-2015	28.1	383
1961.5	19.7	864	177	734	-2024	13.8	374
1962.5	20.6	929	147	798	-2036	09.7	363
1963.5	23.0	990	121	857	-2055	05.8	354
1964.5	27.9	16040	083	904	-2084	74 02.4	331
1965.5	30.5	089	049	951	-2102	73 58.0	58313

**REFERENCES**

la Cour, D., and E. Sucksdorff. 1936, *Le Quartz-Magnetomètre QHM 15, 16*, Danish Meteorol. Inst Copenhagen.

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

Smith, F. E. 1922, *Phil. Trans. Roy. Soc.*, **223**, 175-200.

Serson, P. H., and W. L. W. Hannaford. 1956, "A Portable Electrical Magnetometer," *Can. J. Technology*, **1** (28), 232-243.

Serson, Paul H. 1962, *A Simple Proton Precession Magnetometer*, Rep. Dom. Obs., Ottawa.

Serson, Paul H. 1957, "An Electrical Recording Magnetometer," *Can. J., Phys.*, **35**, 1387-1394.

**Absolute Observations and Baseline Values**

Absolute observations were made at least once a week. Baseline values were adopted by using three-hour curves as closely as possible to the observed values.

The observations were made in the basement of the Dominion Observatory. The new alignment of the observed values is shown in the following table.

HORIZONTAL INTENSITY

TABLE 1		AGINCOURT																				H = 1550 <sub>n</sub> + TABULAR VALUES IN GAMMAS		JANUARY		1965
DAY	HOURLY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
	UT	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1		569	568	568	568	570	571	571	570	571	571	573	574	570	563	553	539	538	544	550	559	568	574	573	568	564
2	D	569	564	565	564	565	569	564	565	569	570	568	580	582	571	554	542	543	537	532	543	548	563	563	548	560
3		545	559	562	563	562	563	564	562	562	564	566	567	566	564	557	543	531	541	548	556	566	569	569	568	559
4		567	568	567	564	563	565	568	564	565	567	572	573	570	569	569	555	551	553	553	555	558	567	568	564	564
5		558	559	561	561	561	563	563	564	565	565	567	567	566	563	561	546	540	543	547	553	559	564	568	565	559
6	Q	563	562	562	563	563	564	567	567	568	568	568	569	572	568	561	552	544	546	553	559	566	568	571	568	563
7		566	565	562	565	565	567	567	567	568	571	575	574	572	563	550	545	546	546	551	557	567	572	571	569	563
8	D	550	556	562	566	561	560	551	546	545	549	555	559	560	556	546	529	528	526	535	548	555	560	556	560	551
9		559	558	556	550	545	551	550	551	555	559	557	559	561	561	555	548	541	541	542	549	559	555	554	559	553
10		561	560	559	558	556	556	556	556	558	560	561	562	561	560	559	553	545	539	548	558	564	566	561	556	557
11	Q	560	561	560	559	556	559	559	557	559	560	561	561	563	563	559	551	544	544	547	554	562	566	570	570	559
12	D	566	566	563	560	560	564	566	561	564	562	560	571	572	561	553	566	547	538	544	544	550	551	559	556	558
13	D	538	528	533	539	547	551	555	557	556	559	556	556	558	561	556	548	539	537	541	542	545	559	561	558	549
14		555	556	553	551	560	559	559	558	561	560	561	559	565	561	553	547	540	537	545	552	561	566	566	567	556
15		566	566	561	556	561	563	566	566	565	566	565	562	565	565	559	553	548	545	544	550	559	565	566	566	560
16	Q	566	564	561	561	560	562	565	566	564	566	566	565	566	567	564	555	547	540	544	550	556	561	561	550	559
17		554	559	559	559	559	561	564	566	568	570	571	576	577	566	555	570	559	547	552	557	556	559	570	564	562
18		561	559	555	549	550	555	561	566	565	564	566	566	567	566	559	552	540	541	550	554	561	565	566	566	558
19		565	561	558	562	561	565	561	563	565	566	566	567	566	565	559	545	539	540	550	558	566	570	566	560	560
20		563	563	563	563	563	565	567	567	567	567	568	570	570	566	554	539	537	539	544	555	574	579	573	549	561
21		553	545	537	554	561	561	560	559	561	565	566	567	570	568	563	554	545	544	549	549	556	566	567	562	558
22	D	549	556	554	543	545	528	548	539	553	552	561	577	571	565	555	557	545	539	536	540	543	550	558	556	551
23		553	556	555	550	556	561	565	563	561	564	567	570	567	566	561	553	544	539	540	543	555	562	560	559	557
24	Q	561	560	561	561	561	561	561	564	565	566	566	567	566	564	553	539	530	537	548	561	570	572	571	559	559
25	Q	570	569	566	564	561	567	566	566	568	570	571	571	572	572	566	553	542	534	543	555	563	570	572	571	563
26		567	567	566	566	566	567	567	571	575	575	577	578	577	572	566	553	541	533	534	546	559	570	572	571	564
27		566	564	565	565	564	572	564	566	566	568	571	570	570	568	566	556	546	535	541	551	560	564	570	564	562
28		560	566	566	566	566	566	567	570	572	576	572	577	578	573	566	556	545	542	548	551	559	567	566	566	564
29		565	565	561	563	563	564	563	565	565	566	568	571	570	567	555	547	542	540	546	551	559	568	572	565	561
30		558	559	560	559	558	562	565	565	565	565	563	568	571	571	565	554	543	538	540	546	557	566	571	569	560
31		567	566	565	565	565	566	568	569	570	571	571	574	574	571	565	558	549	546	551	560	559	566	569	566	565
MEAN ALL		560	560	560	559	560	561	562	562	564	565	566	568	569	566	559	551	543	540	545	551	559	565	566	563	559
MEAN Q		564	563	562	562	560	563	563	563	565	566	566	566	568	567	563	553	543	539	545	553	562	567	569	566	561
MEAN D		554	554	555	554	556	554	557	554	557	559	560	568	568	563	553	548	540	535	537	543	548	556	560	555	554

AGINCOURT MAGNETIC OBSERVATORY 1965

## DECLINATION

TABLE 2		AGINCOURT																				JANUARY 1965				
		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
HOUR	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
DAY		TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23	TO 24	
1		27.8	27.7	27.7	27.7	28.6	29.4	30.1	29.6	28.9	28.6	28.6	27.8	27.5	26.3	25.6	27.5	29.9	31.6	32.8	32.8	31.7	29.8	29.4	28.7	29.0
2	D	28.3	27.2	27.5	27.6	28.0	29.5	29.8	29.8	29.7	28.5	29.4	29.4	26.5	27.4	26.4	28.5	29.8	32.6	34.2	33.0	30.7	28.9	28.8	29.5	29.2
3		23.6	26.4	27.9	28.8	29.1	29.5	29.4	30.0	31.2	29.6	28.9	28.5	27.7	25.9	25.4	27.5	31.7	32.9	32.9	31.7	30.9	29.8	28.9	28.8	29.0
4		28.1	28.6	28.6	29.0	29.2	29.5	30.1	29.8	29.2	28.9	27.9	28.6	29.0	27.9	26.7	27.6	30.0	32.4	33.9	34.3	33.2	30.9	29.3	28.3	29.6
5		26.8	27.4	27.8	28.8	29.0	29.6	29.9	30.0	29.8	29.1	29.7	29.0	28.1	27.2	26.7	27.6	30.2	31.3	31.4	31.0	30.9	29.9	28.9	28.6	29.1
6	Q	28.2	28.2	28.7	29.0	29.2	29.9	30.1	30.0	30.2	28.9	29.0	28.7	27.9	27.7	26.0	27.3	29.7	31.7	32.1	31.2	31.0	30.2	29.6	29.1	29.3
7		28.5	28.1	28.2	27.8	28.9	29.9	30.0	30.0	30.0	29.9	28.7	28.6	28.0	26.8	26.9	29.6	31.1	33.2	33.4	32.2	31.2	30.1	29.2	30.0	29.6
8	D	26.7	28.9	28.1	27.9	28.1	27.9	26.7	27.9	30.0	27.8	28.1	28.2	29.0	29.0	29.8	29.1	30.9	33.1	35.1	35.5	35.2	34.0	31.7	31.1	30.0
9		29.4	28.0	27.2	26.8	25.9	27.8	28.5	27.9	29.1	29.0	28.9	28.9	27.7	25.7	24.6	27.9	28.6	30.4	31.9	32.0	33.1	32.1	29.9	28.7	28.8
10		28.7	28.0	27.8	28.1	28.5	28.3	29.1	29.2	29.0	29.0	29.0	28.7	27.9	28.1	27.6	27.7	30.2	32.5	34.0	32.1	31.3	31.3	31.0	30.0	29.5
11	Q	29.0	28.5	28.1	28.0	28.2	28.6	29.1	29.2	29.6	29.2	29.3	29.3	29.0	27.9	26.7	26.8	28.2	30.8	32.0	32.5	32.1	30.7	29.8	29.2	29.2
12	D	29.1	29.0	28.1	27.8	27.9	29.1	29.8	28.9	29.0	28.9	31.5	29.9	30.0	29.1	31.3	32.6	30.5	31.4	32.4	32.5	33.2	31.9	31.1	30.0	30.2
13	D	27.7	22.3	25.6	25.8	27.6	29.9	30.9	33.0	29.7	28.9	28.6	29.8	30.6	28.0	26.7	26.0	29.5	30.6	31.2	31.8	31.3	29.9	29.8	29.0	28.9
14		28.3	28.1	27.9	28.0	27.8	28.3	29.8	29.7	30.4	29.9	31.2	30.2	29.7	27.7	25.7	26.8	29.0	30.8	31.8	31.5	31.3	30.3	29.7	29.2	29.3
15		28.9	28.8	28.9	28.1	27.8	29.1	30.4	29.8	28.9	29.1	29.9	31.0	30.0	27.9	26.5	27.7	29.7	30.8	31.4	31.1	31.1	30.7	29.8	29.0	29.4
16	Q	28.8	28.8	28.9	29.0	28.9	29.1	29.5	29.7	29.9	29.1	28.8	29.0	29.7	28.3	27.7	28.5	30.0	31.0	31.9	32.6	33.0	31.8	30.5	30.9	29.8
17		29.7	28.8	28.6	28.4	28.4	28.9	29.5	29.7	29.6	30.0	31.0	28.6	27.7	28.6	35.2	31.8	29.9	31.7	33.1	33.2	33.0	29.8	28.9	28.9	30.1
18		28.4	28.4	28.6	27.8	27.4	27.4	29.6	31.8	29.0	28.3	28.3	28.6	28.3	27.5	27.3	28.6	30.6	32.3	33.0	33.1	33.0	31.1	29.0	28.7	29.4
19		27.7	27.6	27.1	25.9	28.6	29.6	29.6	29.7	29.9	28.7	28.7	28.6	27.9	26.4	25.4	26.2	28.6	30.7	31.8	31.8	31.2	30.0	29.2	29.4	28.8
20		28.4	28.4	28.7	28.8	28.7	28.5	29.5	29.4	29.2	28.6	28.6	28.5	28.2	27.3	26.2	27.4	28.8	32.7	35.0	34.9	32.8	31.6	31.7	28.4	29.6
21		31.9	27.4	27.2	26.8	28.6	30.5	30.7	29.7	29.4	28.7	28.4	28.3	27.5	26.2	25.5	26.0	27.6	29.7	31.9	32.8	32.5	31.4	29.6	29.3	29.1
22	D	28.1	28.3	27.2	25.2	25.4	21.4	30.7	22.1	26.0	26.2	27.1	26.2	27.2	26.5	27.3	30.5	30.5	31.9	32.8	33.2	34.5	32.6	31.2	30.1	28.4
23		28.9	28.3	27.4	27.4	27.5	26.0	29.3	29.5	30.5	28.5	28.3	28.2	27.2	26.2	26.4	25.9	27.8	30.1	31.3	31.9	31.7	30.6	29.6	29.2	28.7
24	Q	28.5	28.0	28.2	28.3	28.4	29.1	29.3	29.3	29.3	29.2	29.2	28.9	28.3	27.2	25.0	24.4	26.9	29.9	32.2	32.5	32.3	29.6	29.3	28.9	28.8
25	Q	28.2	28.2	28.2	28.1	27.4	28.3	29.2	28.8	29.0	29.1	28.8	28.4	28.1	26.3	25.0	25.3	27.1	30.3	32.5	32.6	31.6	30.4	29.2	28.5	28.7
26		28.2	28.1	27.9	27.9	28.2	28.4	29.0	29.1	28.8	28.3	28.3	28.1	27.6	26.3	24.8	25.1	27.2	30.5	32.0	32.3	31.6	30.2	29.1	28.3	28.5
27		28.3	28.1	27.4	28.2	28.4	26.8	27.9	29.0	28.8	29.0	29.3	29.1	28.2	25.4	24.1	24.9	27.2	30.8	32.6	32.4	31.3	30.6	30.0	28.5	28.6
28		28.0	26.5	27.3	27.8	28.3	29.1	29.3	29.6	29.3	28.9	29.3	30.4	28.9	26.6	25.4	27.2	28.7	30.7	32.6	32.7	32.3	31.7	30.8	29.3	29.2
29		27.3	27.9	28.0	27.5	28.4	28.9	28.5	29.3	29.1	29.4	28.6	28.3	28.4	26.2	24.9	26.0	28.4	30.4	31.9	32.5	32.4	31.1	29.4	29.3	28.8
30		29.3	28.8	27.8	26.6	27.6	28.4	29.2	29.2	29.3	29.0	30.4	31.4	28.3	25.8	24.0	24.3	26.5	29.2	30.7	31.5	32.3	31.4	29.5	28.5	28.7
31		28.6	28.3	28.3	28.5	28.4	29.1	29.3	29.3	29.3	29.4	29.0	28.3	27.2	25.4	24.2	25.5	28.2	29.6	31.3	32.6	32.6	31.3	30.0	28.3	28.8
MEAN ALL		28.3	27.9	27.9	27.8	28.1	28.6	29.5	29.4	29.4	28.9	29.0	28.9	28.3	27.1	26.5	27.4	29.1	31.2	32.5	32.5	32.1	30.8	29.8	29.1	29.2
MEAN Q		28.5	28.3	28.4	28.5	28.4	29.0	29.4	29.4	29.6	29.1	29.0	28.9	28.6	27.5	26.1	26.5	28.3	30.7	32.2	32.3	32.0	30.5	29.7	29.3	29.2
MEAN D		28.0	27.1	27.3	26.9	27.4	27.6	29.6	28.3	28.9	28.0	29.0	28.7	28.7	28.0	28.3	29.3	30.2	31.9	33.1	33.2	33.0	31.5	30.5	29.9	29.3

VERTICAL INTENSITY

TABLE 3		AGINCOURT																								Z = 5600n + TABULAR VALUES IN GAMMAS		JANUARY 1965	
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN			
	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1		52	51	51	50	50	49	50	50	50	50	50	50	51	50	45	44	47	51	55	56	56	55	54	54	51			
2	D	56	52	52	51	51	51	51	52	52	51	52	49	47	46	45	41	45	46	48	56	60	59	56	57	51			
3		62	57	56	53	51	51	51	51	51	50	51	51	52	52	48	44	46	51	57	57	56	53	53	52				
4		52	51	51	51	51	51	48	49	51	51	51	50	50	49	44	42	45	46	48	51	55	55	56	55	50			
5		56	56	54	52	51	51	51	51	51	51	51	51	52	51	46	44	46	49	52	56	57	56	55	53	52			
6	Q	52	52	54	53	52	51	51	51	51	49	51	51	51	50	48	45	45	48	53	54	53	52	52	52	51			
7		51	51	50	50	50	50	49	49	49	47	48	48	49	51	49	46	43	48	54	57	57	53	51	52	50			
8	D	61	67	60	55	52	52	49	45	38	28	46	51	52	55	51	51	51	55	57	61	62	61	61	61	53			
9		59	57	57	58	61	58	57	56	56	55	54	53	52	54	50	46	46	50	55	58	60	60	61	61	56			
10		58	58	57	57	56	56	55	55	55	55	53	53	52	51	46	45	47	52	56	57	56	56	56	56	54			
11	Q	56	56	54	54	55	52	54	53	52	52	52	53	53	53	51	46	46	51	54	56	56	55	55	53	53			
12	D	53	53	55	56	57	57	55	52	53	51	51	47	50	46	48	42	45	49	52	49	54	57	57	60	52			
13	D	67	67	69	70	64	57	53	50	52	53	52	53	56	56	52	49	47	50	56	58	62	63	61	58	57			
14		58	58	57	57	52	53	55	56	56	52	53	53	57	55	51	49	49	50	55	57	56	56	54	53	54			
15		52	52	52	52	52	51	49	50	52	52	52	50	52	49	47	46	45	47	52	55	57	57	56	53	51			
16	Q	52	52	52	52	52	52	52	52	52	52	51	51	52	52	50	47	46	48	52	52	57	58	56	56	52			
17		58	57	55	54	53	53	53	53	51	49	48	48	50	50	49	44	38	43	48	53	57	59	58	55	51			
18		54	54	55	55	53	53	53	48	48	50	53	53	53	52	50	48	48	51	57	55	58	59	57	54	53			
19		54	54	55	53	52	54	54	54	53	53	53	54	54	52	48	46	47	50	54	54	54	54	54	54	53			
20		55	55	55	55	54	53	51	50	51	50	52	52	52	53	51	51	51	52	50	50	50	53	55	61	53			
21		67	76	84	78	66	61	60	57	57	56	56	56	57	56	53	51	50	51	53	54	57	60	57	56	59			
22	D	58	60	56	54	49	29	-49	5	38	46	50	50	51	51	50	43	40	45	49	52	56	60	57	56	44			
23		57	58	57	57	52	46	50	49	50	45	46	50	50	52	52	45	44	46	51	57	61	57	55	56	52			
24	Q	58	57	57	56	54	53	53	53	53	53	53	53	54	53	51	45	43	48	53	58	62	59	57	53	54			
25	Q	54	54	54	53	53	52	53	53	54	53	52	53	53	53	49	48	46	47	53	56	59	59	55	53	53			
26		53	54	53	53	54	53	53	53	53	51	52	52	50	50	48	44	43	48	54	57	60	59	56	54	52			
27		54	54	54	53	53	43	48	53	54	54	53	53	54	55	54	49	44	47	50	53	55	57	60	56	53			
28		59	59	56	56	55	56	55	54	54	53	54	51	50	51	49	46	49	54	58	59	61	60	57	57	55			
29		62	60	61	60	57	57	56	56	56	57	56	56	57	54	50	45	46	49	52	55	57	59	58	57	56			
30		59	62	60	59	58	57	53	51	51	52	54	53	56	56	51	50	53	56	56	56	56	58	58	57	55			
31		57	57	57	56	56	56	54	54	56	56	56	56	56	56	53	46	47	53	56	56	58	61	60	60	56			
MEAN ALL		57	57	56	56	54	52	49	50	52	51	52	52	52	52	49	46	46	49	53	55	57	58	56	56	53			
MEAN Q		54	54	54	53	53	52	53	52	52	52	52	52	52	50	46	45	48	53	55	57	57	55	53	53	52			
MEAN D		59	60	58	57	54	49	32	41	46	46	50	50	51	51	49	45	46	48	52	54	59	60	58	58	51			

AGINCOURT MAGNETIC OBSERVATORY 1965



TABLE 4		AGINCOURT																							H = 15500 + TABULAR VALUES IN GAMMAS		FEBRUARY 1965	
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN		
		TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23				
1		569	565	559	558	559	560	564	566	566	570	569	569	569	569	560	548	538	538	547	558	566	570	571	570	562		
2	Q	569	568	565	560	562	565	569	569	571	571	574	574	574	570	558	547	540	543	554	563	574	580	580	576	566		
3		572	571	569	566	568	566	570	571	572	575	575	576	571	565	557	547	544	552	560	564	571	576	560	565	566		
4		570	568	566	568	565	565	560	554	560	557	569	570	567	565	552	538	539	549	557	551	563	571	571	566	561		
5		563	564	562	562	569	566	566	566	569	569	571	571	570	561	549	542	541	544	555	566	571	577	573	569	563		
6		566	565	566	571	569	565	566	565	566	570	571	571	572	569	561	522	494	543	555	565	566	571	579	571	562		
7	D	570	555	554	537	529	514	498	521	552	542	564	569	565	549	548	530	496	492	510	525	537	543	541	545	537		
8	D	547	548	549	554	554	555	554	554	555	560	568	574	572	565	558	548	543	546	549	564	558	533	538	559	554		
9		559	555	554	555	554	554	559	559	563	567	565	563	565	559	560	550	538	536	554	550	555	556	555	559	556		
10		560	557	558	560	555	565	549	554	554	554	554	561	560	558	540	537	532	527	533	542	543	551	565	566	551		
11		566	565	563	553	548	552	554	547	565	565	566	567	565	565	566	565	559	553	544	554	560	566	569	565	560		
12	Q	558	560	561	559	560	560	560	560	565	560	565	568	564	561	560	555	545	538	542	549	558	565	569	568	559		
13	Q	565	566	566	566	566	565	565	565	569	569	570	570	575	577	574	565	554	548	549	560	565	569	569	564	565		
14		564	564	565	563	564	565	558	548	548	566	564	553	573	569	559	545	538	542	543	553	561	564	565	559	558		
15		559	565	563	568	563	562	565	564	564	564	569	569	564	548	526	515	527	548	547	548	550	559	557	557	555		
16		563	559	554	548	563	557	562	564	564	565	566	568	568	562	546	542	537	537	542	551	558	564	568	564	557		
17	Q	556	562	566	568	565	568	568	569	570	570	569	570	564	565	562	554	548	548	553	558	564	569	570	570	563		
18		570	569	569	568	565	567	565	567	565	565	569	570	570	564	557	549	546	553	564	568	564	563	569	564	564		
19	Q	569	568	568	567	570	568	569	569	568	568	568	568	570	568	565	554	545	543	548	554	564	566	567	569	564		
20		569	570	565	566	565	564	562	565	568	568	570	574	572	570	563	553	549	545	547	559	571	573	579	581	565		
21	D	576	576	571	553	546	562	563	568	569	570	568	565	571	562	553	541	527	531	549	556	561	568	569	565	560		
22		564	563	562	562	562	564	564	564	565	568	569	569	568	565	557	552	546	545	557	573	576	577	574	576	564		
23	D	573	570	573	569	565	565	572	570	575	575	576	575	577	580	554	517	537	531	521	548	558	563	537	542	559		
24		548	557	558	554	547	548	556	558	558	562	565	562	564	559	553	553	554	557	557	565	570	571	563	548	558		
25	D	526	551	551	553	554	559	557	561	557	558	565	568	564	557	551	545	546	553	555	560	565	562	557	563	556		
26		564	566	568	564	563	563	559	557	554	564	564	565	565	564	559	552	553	554	549	557	558	565	568	566	561		
27		564	564	562	565	566	568	568	568	568	570	574	569	568	565	547	540	554	556	560	564	568	568	570	557	563		
28		564	565	576	573	569	568	568	570	570	571	573	572	569	562	551	543	548	553	557	562	564	568	570	572	565		
MEAN ALL		563	563	563	561	560	561	560	561	564	565	568	569	568	564	555	545	540	543	548	556	562	565	565	564	560		
MEAN Q		564	565	565	564	565	565	566	566	569	567	569	570	569	568	564	555	546	544	549	557	565	570	571	569	563		
MEAN D		558	560	559	553	550	551	549	555	562	561	568	570	569	563	553	536	530	530	537	550	556	554	548	555	553		

## DECLINATION

TABLE 5		AGINCOURT																							FEBRUARY 1965	
		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
DAY	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23	TO 24	
1		28.1	28.1	25.2	26.5	27.3	27.2	29.1	29.5	29.5	30.3	29.4	28.4	27.3	26.0	24.8	26.1	28.7	31.2	33.4	34.3	32.8	30.6	29.1	28.6	28.8
2	Q	28.4	28.5	28.5	27.3	27.4	29.6	28.7	29.3	28.8	28.6	28.4	28.3	27.3	25.3	24.2	26.3	29.5	32.0	34.1	33.8	31.8	29.7	29.0	28.6	28.9
3		28.4	28.3	28.3	27.0	28.4	28.5	28.8	28.4	28.5	28.6	28.4	27.6	26.7	24.4	24.1	26.3	28.8	31.3	33.0	33.1	32.5	31.4	31.2	31.6	28.9
4		28.5	27.5	26.0	28.0	27.4	25.9	26.3	25.2	25.3	25.2	28.6	27.2	26.2	25.1	25.1	28.7	30.9	30.8	32.7	34.8	34.8	32.3	30.4	29.4	28.4
5		29.0	28.6	28.4	27.5	27.4	28.5	28.4	28.3	28.3	28.4	28.4	27.6	26.6	25.4	26.1	28.4	30.6	32.3	33.8	33.7	31.6	30.2	29.5	29.4	29.0
6		28.4	26.2	27.6	27.6	28.1	28.5	30.4	29.4	29.3	28.4	28.4	27.6	27.0	26.6	24.0	25.0	30.9	35.6	34.3	34.9	33.7	31.4	29.3	28.6	29.2
7	D	28.4	29.2	29.2	27.4	24.1	26.3	33.7	19.9	23.7	27.8	31.6	37.2	42.4	42.1	34.8	29.6	34.3	37.9	39.1	38.1	38.1	34.8	30.7	29.2	32.1
8	D	28.4	27.7	27.6	27.5	28.5	29.4	30.3	31.4	30.8	29.4	27.4	28.1	27.4	26.2	25.7	27.1	28.6	29.4	32.8	33.2	32.5	33.3	33.3	30.4	29.4
9		29.3	28.7	28.4	28.3	28.6	29.1	29.6	29.4	29.0	28.4	28.1	28.3	27.2	25.8	24.1	27.3	29.6	33.6	32.5	31.3	30.5	29.7	29.6	29.4	29.0
10		28.4	26.8	27.6	27.3	26.2	26.3	26.6	28.3	29.4	29.5	32.5	32.6	30.2	28.7	27.2	26.1	28.1	29.5	31.5	32.9	33.7	33.0	31.3	29.6	29.3
11		29.3	28.7	27.6	25.2	24.1	26.5	27.5	35.9	29.7	28.1	28.4	28.3	28.4	27.1	24.5	25.4	27.1	28.4	30.3	30.4	30.1	29.7	29.3	29.3	28.3
12	Q	30.2	28.8	28.6	27.6	27.5	28.4	28.6	30.4	29.9	29.9	29.8	28.5	28.7	27.4	25.2	26.3	28.0	29.9	32.0	33.1	32.7	31.4	30.3	29.6	29.3
13	Q	29.4	28.7	29.0	28.7	28.7	29.2	29.2	29.4	29.6	28.7	28.1	28.3	27.5	25.8	24.3	24.9	26.5	28.3	31.0	31.4	31.5	30.8	29.5	29.5	28.7
14		28.6	28.4	27.9	28.1	26.9	27.2	25.2	23.7	25.3	26.9	27.2	33.2	30.4	25.5	25.0	26.6	29.0	30.3	31.3	30.6	30.4	30.3	29.5	30.3	28.2
15		29.7	27.3	27.4	28.3	29.3	29.2	28.7	29.5	29.3	28.5	28.1	27.3	26.9	27.4	30.7	31.6	34.3	30.9	31.9	32.9	32.0	30.7	29.4	26.6	29.5
16		27.4	27.8	27.2	26.2	23.4	28.7	29.5	30.2	29.4	28.6	28.4	29.2	26.5	25.2	25.5	27.5	30.3	32.4	32.9	32.6	31.6	30.4	29.3	28.7	28.7
17	Q	28.5	27.3	28.5	28.6	29.1	29.3	29.4	29.4	29.4	29.3	28.4	27.8	27.4	28.5	25.5	27.1	29.3	30.5	30.5	30.5	30.3	29.6	29.3	29.0	28.9
18		28.7	28.5	28.5	28.6	28.8	29.2	28.7	28.6	28.4	28.4	28.0	27.5	26.9	26.0	24.9	25.0	29.1	30.8	32.4	33.8	33.7	32.6	31.4	29.5	29.1
19	Q	29.2	28.8	28.7	27.6	26.6	28.5	28.5	28.2	28.2	27.9	27.9	27.3	25.5	24.3	24.2	25.5	27.5	31.7	34.0	34.9	33.9	31.6	29.8	29.4	28.7
20		29.4	28.8	28.1	27.7	28.1	28.0	29.4	29.4	28.5	28.5	28.5	27.7	26.1	24.3	24.3	24.9	28.2	30.8	32.9	33.1	32.7	30.8	29.7	29.6	28.7
21	D	29.3	28.5	28.4	21.8	26.2	27.3	26.6	28.2	27.5	27.1	29.5	29.4	30.6	26.7	25.6	26.2	28.7	31.7	32.5	32.8	30.9	28.6	29.3	29.3	28.4
22		29.2	28.1	27.5	28.6	28.6	29.5	29.8	31.0	30.4	28.7	28.5	28.3	27.7	27.3	26.7	26.5	28.7	31.7	33.5	33.6	32.4	31.7	30.6	29.4	29.5
23	D	29.1	28.6	26.7	28.5	28.8	28.3	28.3	28.9	28.7	27.8	28.6	29.2	27.7	25.7	26.3	28.6	35.1	34.3	42.3	37.3	33.0	32.9	31.1	29.3	30.2
24		29.3	29.8	28.9	29.2	25.5	24.4	28.7	28.6	29.6	29.8	28.5	31.7	28.6	26.7	27.7	27.5	29.5	31.0	32.0	31.3	30.5	29.8	30.7	30.5	29.2
25	D	27.7	24.4	27.6	29.3	29.0	29.7	30.9	30.5	28.3	29.5	29.6	28.8	27.7	27.5	26.8	27.8	29.5	30.8	31.3	30.7	29.8	30.5	28.9	29.5	29.0
26		28.8	27.2	26.3	27.6	28.7	29.5	30.8	33.0	32.3	27.6	28.8	28.4	27.6	27.6	27.6	29.6	29.9	32.3	33.7	32.7	31.7	30.7	29.7	29.8	29.7
27		29.6	29.1	26.4	28.8	29.6	29.5	29.3	28.8	29.5	32.1	28.7	26.6	27.7	26.5	28.3	30.7	32.1	32.8	32.6	31.1	30.6	29.7	29.8	29.6	29.6
28		28.9	28.7	27.5	29.3	29.6	29.7	29.6	29.6	28.9	28.6	28.4	28.4	27.8	27.5	27.5	31.1	33.2	34.2	35.1	35.0	33.1	31.0	29.8	29.7	30.1
MEAN ALL		28.8	28.1	27.8	27.6	27.6	28.3	28.9	29.0	28.8	28.6	28.7	28.9	28.1	26.9	26.1	27.3	29.9	31.7	33.2	33.1	32.2	31.1	30.0	29.4	29.2
MEAN Q		29.1	28.4	28.6	28.0	27.8	29.0	28.9	29.4	29.2	28.9	28.5	28.0	27.3	26.3	24.7	26.0	28.2	30.5	32.3	32.7	32.0	30.6	29.6	29.2	28.9
MEAN D		28.6	27.7	27.9	26.9	27.3	28.2	29.9	27.8	27.8	28.3	29.4	30.5	31.2	29.6	27.8	27.9	31.2	32.8	35.6	34.4	32.9	32.0	30.7	29.5	29.8

VERTICAL INTENSITY

TABLE 6		AGINCOURT																				Z = 5600n + TABULAR VALUES IN GAMMAS		FEBRUARY				1965
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN		
	UT	TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23	TO 24			
1		58	57	56	56	56	53	56	56	56	55	56	57	56	54	51	47	50	54	56	55	57	57	56	56	55		
2	Q	56	56	55	53	53	56	54	54	53	53	54	54	55	55	51	50	51	53	58	60	63	58	56	54	55		
3		56	57	57	57	57	57	57	55	54	54	54	54	54	53	50	52	51	52	54	60	64	62	59	64	56		
4		62	62	64	63	61	62	59	56	58	57	52	54	58	58	52	48	54	57	52	53	61	62	60	59	58		
5		64	63	65	65	58	58	59	59	60	58	59	58	58	55	53	52	53	54	57	62	65	60	59	58	59		
6		61	61	62	60	56	58	56	56	59	59	57	56	59	59	53	45	62	69	59	58	62	62	61	58	59		
7	D	61	67	70	81	79	67	-49	-25	-35	-45	-40	-27	-1	18	26	39	50	67	78	88	95	88	79	76	38		
8	D	72	67	65	62	61	61	58	54	55	60	60	60	57	55	52	51	53	57	59	62	65	83	79	71	62		
9		68	65	63	63	63	63	63	62	62	61	62	62	61	56	51	56	66	63	62	63	63	63	65	63	62		
10		63	63	66	63	58	47	40	52	57	52	54	51	57	59	55	56	52	58	61	62	65	68	68	67	58		
11		64	64	63	64	62	62	59	45	52	62	62	61	60	57	55	52	55	56	61	63	63	63	63	62	60		
12	Q	63	64	63	62	63	62	62	62	59	59	62	62	63	62	62	57	56	57	61	64	67	67	66	65	62		
13	Q	63	62	62	62	61	62	62	62	57	57	60	60	62	62	59	53	52	57	58	61	63	63	64	64	60		
14		64	63	62	62	57	45	40	35	47	56	56	56	62	60	56	52	53	58	61	63	64	64	64	64	57		
15		65	64	64	63	63	60	60	62	63	61	63	61	63	58	56	58	65	61	58	60	64	69	68	69	62		
16		69	68	68	67	60	63	64	64	63	63	63	62	62	58	53	53	57	62	60	63	65	65	65	64	63		
17	Q	66	66	65	65	64	64	64	64	63	61	61	60	61	59	55	54	53	57	59	61	64	64	63	64	62		
18		61	61	61	61	61	61	60	60	61	61	62	62	60	59	55	53	53	54	58	60	65	65	65	64	60		
19	Q	63	63	63	61	59	58	59	59	59	59	59	58	56	54	51	49	48	49	53	58	64	61	63	64	58		
20		65	65	66	65	64	62	60	56	60	61	62	62	62	60	55	53	50	54	58	60	65	65	61	59	61		
21	D	59	60	59	62	39	31	51	59	55	55	51	49	49	50	55	55	58	65	66	67	69	67	65	65	57		
22		65	65	65	62	62	62	61	60	60	60	61	61	60	61	60	56	53	55	60	61	64	61	60	60	61		
23	D	60	61	60	59	60	60	54	59	60	56	55	54	54	50	48	48	56	58	67	73	75	75	82	82	61		
24		78	73	70	69	68	67	65	63	66	66	65	63	60	61	56	52	52	56	61	65	65	66	68	73	65		
25	D	89	73	74	73	71	68	61	56	62	66	67	66	66	63	62	61	62	66	68	68	66	63	67	67	67		
26		68	66	63	64	63	66	61	46	45	50	61	62	63	65	65	66	67	67	68	69	70	71	68	67	63		
27		67	66	66	66	65	66	66	64	64	57	55	55	60	57	55	61	57	61	62	65	67	66	67	67	63		
28		69	68	61	59	62	64	64	64	64	62	62	62	63	62	64	67	69	72	70	67	69	68	67	67	65		
MEAN ALL		65	64	64	63	61	59	54	54	55	55	56	55	57	57	54	54	56	59	61	63	66	66	65	65	59		
MEAN Q		62	62	62	61	60	61	60	60	58	58	59	59	59	59	56	53	52	55	58	61	64	63	62	62	59		
MEAN D		68	66	66	67	62	57	35	41	40	39	39	40	45	47	49	51	56	63	67	71	74	75	75	72	57		

HORIZONTAL INTENSITY

TABLE 7		AGINCOURT																							MARCH 1965	
		H = 15500 + TABULAR VALUES IN GAMMAS																								
DAY	HOUR UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1		573	570	568	564	569	575	570	570	573	574	573	573	566	557	548	535	534	529	545	553	562	564	566	568	562
2		571	570	569	566	569	569	563	565	566	569	572	572	571	568	559	550	543	533	547	560	576	580	579	577	565
3	D	574	567	559	560	565	566	555	560	552	560	565	574	561	559	558	543	527	519	527	538	565	559	556	559	555
4	D	542	532	525	514	510	498	483	502	511	536	559	562	562	556	544	538	533	531	541	551	554	561	566	565	536
5		564	565	565	565	565	564	567	568	570	570	558	570	567	564	558	553	551	549	554	561	572	576	576	570	564
6		570	565	565	566	566	566	567	570	569	567	568	569	565	561	554	549	547	549	557	564	568	567	577	571	564
7		565	569	566	566	566	571	571	569	568	566	566	565	559	558	554	563	565	558	554	556	564	564	565	566	564
8	Q	565	565	566	566	566	570	570	571	571	571	571	571	570	566	561	555	554	555	560	569	577	580	577	575	568
9		574	576	577	578	579	578	577	576	576	577	579	577	575	566	564	556	552	548	554	562	569	568	569	569	570
10	Q	565	571	575	572	573	575	576	576	576	576	576	576	576	570	561	554	547	545	552	562	570	577	580	580	569
11	Q	581	577	570	570	567	570	567	571	572	571	572	573	572	566	555	549	551	555	554	567	575	576	575	577	568
12		577	577	576	577	575	576	574	576	576	577	577	577	578	575	565	555	550	550	553	558	565	568	578	577	570
13		575	575	581	577	576	572	577	576	570	578	566	571	573	567	559	542	554	559	562	563	567	574	572	574	569
14		574	573	573	572	572	572	572	572	573	577	574	570	553	539	544	553	563	566	566	570	561	562	562	567	566
15		553	563	571	576	572	571	578	572	560	571	581	576	566	558	550	544	545	548	551	567	570	581	578	575	566
16		572	572	566	568	569	571	572	572	573	574	572	571	568	561	555	545	544	548	550	562	569	573	570	575	565
17		577	577	578	580	577	577	578	579	581	577	580	578	572	564	553	550	548	549	563	572	578	581	576	573	572
18	Q	573	575	575	573	573	575	577	577	576	575	576	574	570	561	552	542	543	549	560	572	581	583	581	581	570
19		581	581	581	581	581	581	581	578	578	576	578	581	577	570	556	545	542	546	557	571	581	586	585	583	573
20		579	578	576	577	578	577	578	578	577	577	577	581	577	566	556	550	550	553	566	570	578	581	579	577	572
21		566	577	579	581	579	581	583	577	581	580	577	575	567	560	560	547	544	550	559	571	577	576	576	581	571
22		582	580	577	576	577	578	581	581	582	583	583	582	577	567	559	554	547	552	557	570	592	577	559	576	573
23	D	581	581	577	572	569	553	555	548	548	571	576	571	569	561	538	573	534	534	548	553	559	567	576	577	562
24		576	577	572	570	570	572	572	572	567	572	579	566	559	560	550	538	534	544	555	566	575	575	577	580	566
25	D	577	571	572	577	577	582	571	567	581	570	577	576	561	555	547	540	538	549	558	563	575	578	581	575	567
26	D	559	560	567	566	570	570	567	556	556	576	577	573	570	561	553	549	554	567	578	588	583	581	577	576	568
27		578	574	573	577	577	571	580	570	577	579	581	576	568	564	551	549	561	573	583	585	592	591	583	578	575
28		576	577	576	577	577	573	573	567	577	578	577	575	570	562	556	552	556	565	577	587	588	586	581	578	573
29		577	575	575	578	579	577	579	577	578	581	582	583	576	561	544	535	542	555	567	577	578	583	579	577	571
30	Q	577	576	577	576	576	577	578	581	581	582	582	581	578	567	554	545	544	555	567	581	592	589	583	578	574
31		581	582	583	582	580	572	576	577	574	572	577	577	572	564	553	541	538	548	565	577	588	588	584	583	572
MEAN ALL		572	572	571	571	571	570	570	569	570	573	574	574	570	563	554	548	546	549	558	566	574	576	575	575	567
MEAN Q		572	573	573	571	571	573	573	575	575	575	575	575	573	566	557	549	548	551	560	570	579	581	579	578	570
MEAN D		567	562	560	558	558	554	546	546	550	563	571	571	565	558	548	548	537	540	550	559	567	569	571	570	558

AGINCOURT MAGNETIC OBSERVATORY 1965

TABLE 8		DECLINATION																							MARCH 1965	
AGINCOURT		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
HOUR	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DAY		To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	To 13	To 14	To 15	To 16	To 17	To 18	To 19	To 20	To 21	To 22	To 23	To 24	MEAN
1		29.3	28.7	28.5	28.2	28.4	29.7	29.5	29.1	28.5	27.8	27.5	28.5	27.1	26.5	27.2	29.3	32.2	32.9	34.9	32.8	31.6	30.3	29.5	29.3	29.5
2		29.4	29.6	29.6	29.1	28.3	28.5	29.4	29.3	29.3	29.6	27.6	27.2	27.2	25.9	25.5	27.1	30.0	34.0	36.7	34.0	31.9	31.8	30.3	29.8	29.6
3	D	29.3	29.4	24.3	24.3	28.5	27.8	28.4	27.8	23.5	27.3	27.8	25.2	24.2	25.2	23.6	24.6	30.1	32.9	38.3	36.1	35.7	36.1	34.3	35.6	29.2
4	D	34.4	31.5	26.9	26.2	27.2	28.5	19.1	12.9	16.8	22.0	24.3	27.7	27.2	26.2	27.5	28.3	30.5	32.9	34.4	34.9	34.0	32.7	31.1	29.8	27.8
5		29.8	29.7	29.7	29.9	29.8	30.1	28.5	28.4	27.8	26.5	32.8	32.7	27.5	26.4	26.3	27.2	29.7	32.7	33.8	33.5	32.7	31.7	30.8	29.8	29.9
6		29.9	29.4	29.6	29.6	29.4	29.6	28.8	28.6	27.6	27.5	27.5	27.2	26.7	25.9	25.1	27.2	30.3	33.8	35.3	35.4	34.0	31.9	30.6	30.8	29.6
7		27.6	29.4	28.7	29.1	28.6	29.6	28.5	25.1	26.6	25.6	25.5	26.6	27.5	29.6	29.8	31.2	31.8	33.8	34.0	33.1	32.9	31.9	30.6	29.8	29.4
8	Q	29.6	29.6	29.6	29.3	29.6	29.1	29.4	29.7	29.1	28.4	28.7	28.8	27.6	27.0	26.2	26.6	28.6	31.0	32.7	33.1	32.7	31.7	30.7	30.4	29.5
9		29.8	29.6	29.4	29.3	28.9	28.6	28.5	28.7	29.9	27.8	28.4	27.3	26.4	26.3	26.4	28.3	30.0	31.4	32.8	32.9	32.5	31.4	30.6	30.2	29.4
10	Q	29.4	29.6	29.7	29.7	29.7	29.7	29.7	29.6	29.6	28.6	28.6	27.7	26.5	25.2	25.4	27.8	30.0	32.4	33.6	33.8	32.8	31.2	29.9	29.7	29.6
11	Q	29.3	28.6	26.6	29.1	29.1	29.3	28.8	29.1	26.8	27.2	27.3	26.5	25.5	25.4	26.6	29.8	32.1	33.3	34.0	32.7	31.7	30.6	30.4	30.1	29.2
12		29.8	29.6	29.6	29.3	29.3	29.4	29.3	29.4	28.8	28.5	28.4	27.5	25.4	24.4	25.4	27.7	29.8	33.1	35.6	36.1	35.9	33.0	30.8	30.7	29.9
13		29.7	28.9	28.9	28.5	28.5	28.6	26.6	26.4	24.6	26.2	30.4	26.7	26.5	24.8	30.6	31.9	30.9	32.9	34.4	34.0	32.9	31.7	30.7	30.4	29.4
14		29.7	29.5	29.6	29.1	26.4	29.3	29.5	29.3	29.5	28.4	26.6	26.2	25.4	25.3	29.6	33.1	33.5	33.2	33.8	34.1	34.7	33.9	32.4	30.8	30.1
15		27.1	28.4	29.6	29.8	29.2	28.4	31.8	29.0	28.6	32.9	25.0	26.3	26.3	26.4	27.4	28.7	32.2	35.5	36.9	33.9	31.6	30.6	29.5	29.5	29.8
16		29.7	29.5	28.4	27.5	29.6	29.7	29.5	29.3	29.5	28.4	28.0	27.2	26.4	25.6	25.7	27.7	30.4	32.7	33.2	32.6	31.8	30.7	29.3	29.5	29.2
17		29.5	29.5	29.4	29.4	29.2	28.3	26.8	28.4	28.2	28.0	27.6	26.3	25.1	24.3	25.0	29.4	33.1	35.9	36.5	35.8	32.5	31.2	30.2	29.6	29.5
18	Q	29.4	29.4	29.4	29.5	29.2	29.4	29.2	28.8	28.3	27.5	27.4	27.0	25.5	24.3	26.0	28.6	31.8	34.2	34.8	34.2	32.7	31.3	30.2	29.6	29.5
19		29.5	29.4	29.4	29.2	29.2	29.2	28.7	28.3	29.9	28.3	27.1	26.0	24.3	23.4	24.3	28.4	32.3	34.9	36.3	36.0	33.8	31.5	29.4	28.9	29.5
20		29.3	28.3	29.3	28.5	29.0	29.1	28.9	28.5	28.3	28.5	28.2	26.6	24.2	24.9	26.1	28.0	31.7	34.3	35.3	34.6	33.4	32.0	30.3	29.5	29.5
21		26.8	28.2	29.3	29.3	28.5	29.0	27.4	27.5	28.2	27.4	27.5	26.9	25.2	27.0	26.9	27.4	30.6	33.7	34.7	34.4	33.3	32.1	28.4	29.5	29.1
22		29.3	29.1	28.9	29.0	28.5	28.6	29.0	28.2	28.1	27.8	27.4	26.3	24.7	24.0	24.3	26.4	29.6	33.0	35.9	35.3	35.4	35.4	33.7	31.4	29.6
23	D	29.6	29.3	29.3	29.0	27.0	25.4	28.2	21.6	29.8	31.2	25.2	26.1	22.7	22.7	24.0	33.4	34.6	35.7	34.8	35.5	35.7	29.4	31.6	30.5	29.3
24		30.3	30.1	29.8	29.1	28.4	29.0	28.4	29.5	29.3	34.3	27.1	27.1	28.9	24.9	24.8	29.3	33.6	35.7	36.8	35.9	33.7	32.0	29.3	28.7	30.2
25	D	28.6	27.4	28.2	29.5	29.1	31.2	28.3	24.2	34.6	27.1	25.3	26.2	25.4	25.0	26.8	29.5	32.4	34.4	35.5	34.6	32.4	31.4	29.6	29.3	29.4
26	D	26.9	23.1	26.1	28.3	29.3	34.3	29.0	28.2	36.5	27.4	26.1	27.0	25.9	24.9	27.1	30.3	32.6	34.3	34.4	33.7	33.2	31.1	29.4	28.2	29.5
27		28.6	26.9	29.1	29.1	28.5	27.1	27.8	28.0	30.9	28.2	26.9	27.3	26.9	26.0	27.1	31.6	33.6	35.4	35.7	34.6	32.2	30.1	29.3	29.3	29.6
28		29.6	30.0	29.5	29.3	28.1	29.3	27.4	32.3	30.3	27.4	27.1	26.2	24.8	24.6	26.1	29.4	33.2	36.4	36.3	34.6	33.3	31.2	29.4	29.4	29.8
29		29.5	29.4	28.2	28.8	29.3	29.1	29.1	28.4	28.0	27.3	27.0	25.2	23.8	23.1	25.3	31.5	35.7	37.9	37.8	36.2	34.6	31.5	29.3	29.1	29.8
30	Q	29.4	29.5	29.5	29.6	29.4	29.4	29.3	29.0	28.7	28.0	27.5	25.4	23.8	22.9	24.1	28.0	32.6	34.7	35.4	34.3	32.2	29.5	28.2	29.1	29.1
31		29.3	29.1	29.3	28.2	29.3	28.3	29.1	28.2	28.2	30.2	27.3	25.9	24.0	22.8	24.0	27.1	32.4	35.8	36.6	35.1	32.4	30.2	29.1	29.0	29.2
MEAN ALL		29.3	29.0	28.8	28.8	28.8	29.1	28.4	27.8	28.5	28.1	27.4	26.9	25.8	25.2	26.1	28.9	31.7	34.0	35.2	34.4	33.2	31.6	30.3	29.9	29.5
MEAN Q		29.4	29.3	28.9	29.4	29.4	29.4	29.3	29.2	28.5	27.9	27.9	27.1	25.8	25.0	25.6	28.1	31.0	33.1	34.1	33.6	32.4	30.9	29.9	29.8	29.4
MEAN D		29.8	28.1	27.0	27.5	28.2	29.4	26.6	22.9	28.2	27.0	25.7	26.5	25.1	24.8	25.8	29.2	32.0	34.0	35.5	35.0	34.2	32.1	31.2	30.7	29.0

VERTICAL INTENSITY

TABLE 9		AGINCOURT																							Z = 56000 + TABULAR VALUES IN GAMMAS		MARCH 1965	
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN		
	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1		66	64	64	64	64	62	63	64	63	62	62	62	61	62	58	57	58	63	67	67	67	67	68	67	63		
2		67	64	64	64	62	62	63	63	64	61	62	63	63	60	58	57	58	61	67	69	69	68	66	64	63		
3	D	64	66	68	67	68	62	39	22	38	58	64	64	58	57	51	52	56	69	67	72	81	88	91	62			
4	D	107	119	119	97	58	-5	12	5	11	17	39	52	68	69	66	64	62	64	67	69	68	69	70	70	60		
5		69	68	67	67	67	67	63	58	64	62	58	52	58	62	62	58	57	52	56	60	64	64	66	66	62		
6		66	66	67	67	67	67	67	65	64	64	64	65	65	63	61	57	53	52	55	60	67	67	69	68	64		
7		68	69	69	68	67	64	52	57	62	61	61	62	62	57	53	51	52	55	58	64	67	68	68	61			
8	Q	67	67	67	66	64	62	63	63	62	62	62	63	62	61	58	55	51	52	56	58	61	62	62	62	61		
9		62	62	61	61	59	60	58	60	57	57	58	60	61	58	57	55	53	54	54	56	58	61	62	64	59		
10	Q	63	64	62	62	62	62	62	62	61	61	61	62	62	61	55	51	52	56	61	64	67	67	65	62	61		
11	Q	62	62	63	64	64	65	65	62	60	63	63	64	63	62	58	56	56	57	58	60	62	64	64	64	62		
12		63	63	62	62	63	63	63	63	63	62	62	64	64	62	58	56	56	59	62	65	67	64	66	62	62		
13		63	62	62	61	62	64	62	61	56	56	54	49	52	52	51	53	53	52	52	56	58	62	63	63	57		
14		63	62	62	61	57	58	61	62	62	62	60	58	59	57	56	53	53	53	52	56	64	69	72	72	60		
15		74	72	68	64	62	62	48	52	46	46	56	58	62	62	57	57	57	57	62	67	69	68	64	62	60		
16		62	63	63	62	62	62	62	62	64	62	62	64	64	58	57	54	55	58	61	62	62	65	67	67	62		
17		63	62	62	61	61	61	60	62	62	61	61	62	61	58	57	57	56	61	67	64	62	62	62	62	61		
18	Q	62	62	61	62	62	62	62	61	61	62	62	64	63	62	58	57	57	57	58	60	64	66	64	62	61		
19		64	63	63	64	63	63	62	58	57	55	57	60	62	62	60	58	62	64	62	61	63	66	65	64	62		
20		63	64	63	63	63	63	63	62	62	62	63	65	65	62	58	52	51	52	52	53	58	61	62	63	60		
21		67	67	63	62	63	62	58	61	62	61	62	62	62	62	63	63	66	67	69	69	68	69	72	69	65		
22		67	66	64	64	63	64	62	62	62	62	63	64	65	63	61	57	57	59	60	66	68	74	89	74	65		
23	D	68	65	62	63	62	26	18	35	39	23	45	57	63	60	56	60	66	67	70	73	92	95	75	69	59		
24		68	66	66	66	68	67	58	56	54	46	51	53	61	57	58	57	62	68	69	70	69	72	74	69	63		
25	D	68	68	67	67	66	47	25	41	2	6	55	58	62	62	60	58	58	61	62	67	72	69	67	69	56		
26	D	74	72	67	69	67	50	47	46	40	51	58	62	63	63	58	57	58	62	64	67	64	62	65	64	60		
27		64	64	64	63	57	46	47	52	47	52	55	58	61	60	56	52	51	52	54	56	62	62	61	60	57		
28		62	62	62	62	57	57	56	52	52	57	61	62	63	62	61	57	58	62	64	63	67	67	64	62	61		
29		62	62	63	62	62	60	60	63	63	62	64	64	62	58	57	61	63	66	69	72	69	69	67	63	63		
30	Q	63	63	62	62	62	62	62	63	63	63	63	64	63	58	57	56	58	63	64	62	65	63	62	61	62		
31		62	62	61	58	54	58	62	62	60	57	60	64	64	62	61	57	57	57	58	62	65	64	62	62	61		
MEAN ALL		67	66	66	65	63	58	55	55	54	55	59	61	62	61	58	56	57	59	61	63	66	67	67	66	61		
MEAN Q		64	64	63	63	63	63	63	62	62	62	62	63	63	61	57	55	55	57	59	61	64	64	63	63	62		
MEAN D		76	78	77	73	64	36	28	30	26	31	52	59	63	62	59	58	59	62	66	69	74	75	73	72	59		

AGINCOURT MAGNETIC OBSERVATORY 1965

TABLE 10		AGINCOURT																						APRIL 1965		
		H = 15500 + TABULAR VALUES IN GAMMAS																								
DAY	HOUR UT	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		573	566	572	567	574	574	574	575	578	577	578	578	571	559	545	541	543	549	557	567	575	579	578	579	568
2	Q	579	578	577	578	574	574	573	577	578	578	579	578	573	561	545	538	545	555	565	575	582	583	581	580	571
3	Q	579	579	579	579	579	582	579	580	580	582	582	579	574	566	555	551	550	555	562	577	588	590	585	585	575
4		585	585	586	585	584	584	583	583	586	585	589	585	580	572	563	552	557	563	572	580	583	585	584	584	579
5		584	582	578	574	568	574	574	577	578	574	574	574	572	568	561	561	564	568	575	583	585	581	580	580	574
6		579	578	578	579	585	588	586	585	586	585	586	586	584	572	555	552	547	561	575	591	600	596	599	585	580
7		576	578	568	568	570	573	569	572	571	571	573	575	570	562	547	539	548	560	573	579	584	586	583	577	570
8	Q	575	578	580	580	581	581	580	581	583	584	581	580	575	569	559	547	554	569	580	589	596	599	597	591	579
9	D	588	570	562	562	554	570	568	559	574	577	575	575	569	563	553	551	553	564	574	584	586	589	591	570	570
10		571	573	575	583	583	577	575	574	574	573	580	580	575	569	562	557	555	559	568	574	584	586	586	585	574
11		585	581	584	584	584	584	585	586	586	589	588	589	585	581	579	578	586	585	591	582	574	581	578	578	583
12		573	574	575	574	584	573	573	575	575	578	578	576	574	567	568	578	588	598	597	595	589	584	584	580	580
13		578	580	580	581	577	576	578	576	577	581	584	583	578	569	563	568	580	587	590	591	591	589	587	586	580
14		585	584	580	581	587	586	584	581	583	585	587	584	573	559	553	557	563	577	587	593	596	595	588	587	581
15		584	581	578	576	577	584	581	581	580	580	580	578	569	559	548	547	558	564	573	578	580	584	585	581	574
16		580	584	585	585	586	591	585	586	585	583	581	580	570	556	539	529	540	560	573	584	589	589	586	586	576
17	D	587	585	585	585	584	580	584	585	584	585	585	582	574	569	550	545	570	577	579	606	605	601	602	606	583
18	D	610	607	579	549	463	403	260	179	320	331	473	491	501	504	485	495	524	533	542	551	562	556	547	546	484
19	D	550	540	552	552	551	551	552	555	552	550	542	555	555	540	530	501	525	561	563	567	564	555	558	550	549
20	D	556	554	562	566	558	561	561	561	557	554	563	563	543	541	542	533	541	549	553	561	562	558	562	566	555
21	Q	566	566	566	561	562	561	561	563	566	563	563	563	563	556	549	546	550	559	566	568	574	573	574	572	563
22		569	568	568	567	562	568	568	568	568	565	562	572	568	557	546	539	540	548	563	569	572	580	570	568	563
23		575	575	578	575	571	573	570	568	574	579	579	578	573	563	552	546	552	559	561	568	578	579	589	584	571
24		573	576	577	579	577	576	575	579	577	576	575	573	567	557	543	536	546	564	579	586	583	580	578	577	571
25		579	579	578	579	579	580	580	581	582	583	580	578	574	567	552	550	556	566	577	583	585	589	588	580	576
26		579	574	579	577	578	580	583	583	579	580	581	578	573	553	539	546	561	579	591	605	601	597	588	583	578
27		579	579	580	580	579	579	579	578	579	579	575	574	573	566	555	555	558	569	579	580	590	589	585	582	576
28	Q	577	579	580	581	585	584	582	584	581	583	584	583	574	569	558	558	567	581	591	597	596	592	586	584	581
29		584	584	583	585	586	586	585	586	587	586	585	585	580	572	563	559	564	576	592	597	602	602	595	592	584
30		591	586	586	588	585	580	577	584	580	584	585	581	575	568	558	551	557	575	584	591	592	589	586	589	580
MEAN ALL		578	577	576	575	572	571	565	563	569	569	574	574	570	561	551	547	555	566	574	582	585	584	583	580	571
MEAN Q		575	576	576	576	576	576	575	577	577	578	578	576	572	564	553	548	553	564	573	581	587	587	584	582	574
MEAN D		578	571	568	563	543	533	505	488	517	519	547	553	549	543	532	525	543	557	562	574	576	572	572	568	548

## DECLINATION

TABLE 11		AGINCOURT																				APRIL 1965				
		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
DAY	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	To 13	To 14	To 15	To 16	To 17	To 18	To 19	To 20	To 21	To 22	To 23	To 24	
1		28.7	27.7	25.5	27.2	26.3	29.5	29.6	29.4	28.5	28.5	27.5	26.2	24.0	23.2	25.3	29.4	32.6	35.4	36.2	35.8	33.8	31.4	29.5	29.4	29.2
2	Q	29.8	29.7	29.6	29.6	29.2	29.4	29.5	29.6	28.7	27.6	28.3	26.4	25.1	24.2	25.2	29.5	34.1	36.7	36.3	34.9	32.8	30.9	29.7	29.6	29.9
3	Q	29.8	29.7	29.5	29.2	28.8	28.8	29.0	28.7	28.3	27.7	27.5	26.2	24.5	23.5	24.2	27.6	31.7	35.6	37.1	37.1	36.1	33.8	31.1	30.0	29.8
4		29.9	29.9	29.7	29.7	28.3	27.6	27.8	27.7	30.6	23.5	22.4	24.1	23.3	23.0	26.1	30.6	32.8	34.5	36.0	35.8	34.7	32.8	31.2	30.1	29.3
5		29.7	29.8	29.9	28.6	27.3	30.1	29.5	29.2	28.6	28.1	28.2	27.3	26.2	26.3	27.5	30.0	31.7	32.1	32.3	32.6	32.8	32.0	31.0	30.0	29.6
6		30.0	30.1	29.3	28.7	29.2	29.7	28.9	28.2	28.2	27.6	27.5	25.7	24.1	23.5	24.5	28.9	31.5	32.8	33.6	33.9	33.1	31.7	30.9	31.1	29.3
7		30.9	31.8	31.8	30.0	32.1	28.4	27.6	27.4	26.5	26.6	25.3	23.0	22.4	24.7	27.6	31.9	35.8	36.4	37.0	36.2	34.2	31.8	30.0	29.0	29.9
8	Q	29.7	30.0	30.1	30.0	30.0	29.7	29.6	29.6	29.0	28.9	27.8	26.4	24.5	24.5	26.0	29.0	32.8	35.3	34.8	34.2	33.2	31.8	30.7	31.0	30.0
9	D	31.0	29.4	28.8	28.6	24.5	28.7	27.5	30.0	25.3	25.3	25.7	24.6	23.3	22.5	24.4	24.6	32.3	35.1	35.2	35.0	34.1	32.7	31.7	30.9	29.0
10		30.8	31.0	30.4	27.9	28.8	29.6	28.7	28.9	28.5	31.1	28.8	26.6	24.7	24.5	25.1	27.6	30.7	33.1	34.7	34.2	33.3	32.2	31.0	30.7	29.7
11		30.8	29.8	28.8	30.5	29.9	29.9	29.7	29.4	27.8	27.9	27.6	27.6	26.5	26.4	28.7	31.8	35.3	36.3	37.5	39.1	36.6	33.0	31.5	31.2	31.0
12		26.9	29.8	30.8	29.8	27.6	29.9	29.6	28.9	28.0	27.8	27.7	26.9	27.0	28.9	31.1	34.0	35.4	36.1	35.2	34.4	33.1	31.3	30.9	30.9	30.5
13		30.7	27.8	26.6	29.5	30.7	29.9	29.6	29.4	30.7	26.6	26.9	26.6	25.8	26.9	29.3	33.4	36.2	36.2	35.1	34.1	32.3	30.9	29.8	29.9	30.2
14		30.0	30.1	30.0	26.5	29.8	30.1	29.2	28.7	28.7	28.9	26.7	25.7	25.5	25.5	28.3	33.2	37.3	38.4	37.3	34.9	32.2	29.9	29.0	29.7	30.2
15		30.9	31.3	30.9	30.8	28.0	29.1	29.3	28.8	27.1	25.7	24.9	23.9	23.7	25.3	26.7	31.0	35.2	37.7	37.6	36.4	34.4	32.4	30.9	30.1	30.1
16		29.9	30.0	30.4	30.4	30.1	30.3	29.1	28.4	27.1	25.6	23.9	22.6	21.5	22.5	24.9	29.9	33.9	35.5	35.5	34.3	33.0	30.9	29.7	29.9	29.2
17	D	30.2	30.2	30.2	30.2	29.8	29.5	28.2	29.0	27.8	27.0	25.9	24.6	23.5	20.4	21.4	28.1	33.4	34.5	34.7	33.2	33.1	32.0	30.0	29.8	29.0
18	D	30.0	34.2	30.3	27.6	22.8	13.4	60.4	33.1	27.4	20.3	19.4	33.0	28.8	25.7	32.8	34.7	34.7	34.6	35.3	34.3	33.1	32.3	31.9	30.8	30.9
19	D	30.1	28.6	27.0	32.0	32.7	31.8	31.2	31.2	30.1	28.5	30.9	27.7	26.8	29.0	28.9	33.2	36.3	34.4	35.1	35.0	35.0	34.5	32.3	28.3	31.3
20	D	29.9	30.7	30.8	29.2	31.1	30.9	31.0	31.0	33.1	33.3	32.3	28.5	30.9	34.1	29.0	30.8	33.1	35.2	35.8	35.2	34.4	33.3	31.8	31.1	31.9
21	Q	30.9	30.8	29.4	30.1	31.0	31.0	30.7	30.0	29.9	29.6	29.0	28.0	27.8	27.8	27.9	29.5	32.0	34.2	35.2	34.4	33.3	32.4	31.9	31.3	30.8
22		31.2	31.1	30.9	30.2	29.2	30.2	29.1	29.9	30.4	31.2	30.5	27.8	26.7	26.7	26.8	29.1	31.7	33.5	34.4	34.3	33.8	33.1	32.5	31.2	30.6
23		31.0	30.5	30.4	30.1	29.2	29.2	30.1	30.1	30.2	30.1	27.9	26.8	25.9	26.0	28.0	31.1	33.2	34.3	36.4	36.0	34.4	33.6	31.2	31.1	30.7
24		30.1	29.0	28.2	30.2	30.2	29.9	29.8	29.9	29.0	29.0	28.2	27.7	26.7	25.8	27.2	30.5	34.2	35.5	36.4	34.4	33.3	32.1	31.3	31.1	30.4
25		31.0	30.9	30.3	30.2	30.8	30.3	30.0	30.2	29.8	28.2	26.8	25.8	25.5	25.9	27.6	30.2	33.2	35.2	36.4	35.3	34.0	33.1	31.9	31.3	30.6
26		31.0	29.1	30.2	30.1	30.2	30.2	30.0	29.3	29.0	29.3	26.7	26.9	25.3	25.1	28.0	32.1	35.1	38.0	37.7	35.4	33.2	31.2	30.1	30.4	30.6
27		30.7	31.1	31.0	30.8	30.2	30.2	29.9	29.8	29.2	28.5	28.0	28.1	26.8	26.8	29.8	33.3	36.7	37.7	36.5	35.0	33.2	31.9	30.9	30.0	31.1
28	Q	29.1	29.5	30.0	30.1	29.9	31.0	30.0	30.0	29.4	28.7	27.1	26.1	26.7	28.5	30.2	33.3	36.8	38.5	37.8	35.5	33.2	32.1	31.9	31.2	31.1
29		31.1	31.0	30.9	31.0	30.3	31.0	30.5	29.9	28.9	28.2	26.8	24.9	24.7	25.8	27.9	31.7	35.1	37.3	37.7	38.3	35.3	33.0	31.2	30.2	30.9
30		30.3	30.2	28.0	28.5	29.1	29.0	31.9	28.7	27.9	26.9	26.7	25.8	25.9	26.8	29.6	33.4	35.3	36.2	36.4	35.2	33.0	31.1	30.0	29.9	30.2
MEAN ALL		30.2	30.2	29.7	29.6	29.2	29.3	30.6	29.5	28.8	27.9	27.1	26.4	25.5	25.7	27.3	30.9	34.0	35.5	35.9	35.1	33.7	32.2	30.9	30.4	30.2
MEAN Q		29.9	29.9	29.7	29.8	29.8	30.0	29.8	29.6	29.1	28.5	27.9	26.6	25.7	25.7	26.7	29.8	33.5	36.1	36.2	35.2	33.7	32.2	31.1	30.6	30.3
MEAN D		30.3	30.6	29.4	29.5	28.2	26.8	35.7	30.9	28.7	26.9	26.8	27.7	26.6	26.3	27.3	31.1	34.0	34.8	35.2	34.5	33.9	33.0	31.6	30.2	30.4



TABLE 12		AGINCOURT																							APRIL 1965	
		VERTICAL INTENSITY																								
		Z = 56000 + TABULAR VALUES IN GAMMAS																								
DAY	HOUR UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		T0 1	T0 2	T0 3	T0 4	T0 5	T0 6	T0 7	T0 8	T0 9	T0 10	T0 11	T0 12	T0 13	T0 14	T0 15	T0 16	T0 17	T0 18	T0 19	T0 20	T0 21	T0 22	T0 23	T0 24	
1		54	58	54	52	52	53	53	54	53	54	56	57	56	52	47	46	46	46	47	48	52	52	54	52	52
2	Q	53	52	53	53	52	53	53	53	52	52	54	54	53	53	52	47	47	48	51	52	54	54	54	53	52
3	Q	53	54	54	52	52	50	52	52	52	52	53	54	53	52	50	48	46	48	51	53	54	57	54	52	52
4		52	52	52	52	47	51	52	52	36	26	40	47	47	46	43	44	41	41	46	50	52	54	54	53	47
5		52	51	52	51	47	47	52	52	52	52	54	52	52	51	50	47	49	53	54	56	55	52	53	52	52
6		52	52	52	50	48	47	49	49	49	49	51	51	47	44	43	43	41	46	47	49	49	51	55	55	49
7		58	61	69	65	43	42	53	57	57	55	54	52	47	43	42	40	41	47	52	56	56	58	59	59	53
8	Q	58	57	57	54	53	53	53	53	52	50	50	52	48	48	47	46	45	48	52	54	57	57	55	52	52
9	D	52	57	64	25	46	57	54	47	53	59	58	57	53	48	44	37	36	37	39	45	47	52	57	59	49
10		63	60	58	52	48	52	52	51	51	48	51	53	54	52	43	36	35	41	47	52	56	54	52	52	51
11		52	52	51	51	52	52	52	51	51	50	49	50	47	43	40	40	46	51	59	69	70	69	64	62	53
12		58	56	57	57	46	51	57	57	56	52	51	50	47	45	36	31	35	40	42	47	53	57	58	56	50
13		57	53	46	46	51	53	56	54	47	50	52	52	51	50	47	50	52	56	56	57	57	58	57	56	53
14		56	56	54	52	47	51	52	55	55	52	51	51	51	51	47	45	46	52	56	57	57	56	53	53	52
15		53	56	57	57	51	52	53	53	53	53	56	53	51	51	48	47	45	46	51	56	58	58	60	56	53
16		56	56	53	53	51	46	51	50	51	50	51	51	50	47	46	44	40	44	50	56	57	57	56	56	51
17	D	53	53	53	55	53	53	52	51	52	53	53	52	51	46	40	39	36	39	47	53	53	51	51	53	50
18	D	53	61	96	68	2	-53	-128	-199	-93	-231	-114	25	59	53	47	63	73	74	73	74	75	75	74	74	13
19	D	76	74	63	68	69	69	68	64	61	58	62	61	58	52	53	57	65	69	72	75	78	79	86	84	68
20	D	78	74	68	58	64	64	65	63	56	35	51	53	47	45	46	45	51	61	64	67	64	65	68	67	59
21	Q	66	66	62	63	63	62	63	62	62	62	62	62	63	63	59	57	61	63	65	63	62	63	65	64	63
22		63	62	62	62	63	59	60	62	62	57	56	57	56	55	55	53	55	55	55	57	57	62	63	66	59
23		62	60	60	59	57	56	56	57	60	60	60	60	57	57	57	56	55	52	55	57	60	59	63	66	58
24		66	62	60	60	59	58	59	58	58	58	60	58	57	56	53	50	44	46	54	57	57	59	57	58	57
25		57	57	57	56	56	57	56	56	56	55	58	56	56	56	54	44	37	39	40	49	55	62	65	60	54
26		60	61	61	60	61	59	59	60	59	57	57	56	54	55	55	49	51	53	59	62	61	61	58	56	58
27		56	56	56	56	57	56	55	56	57	56	57	56	55	54	51	51	53	54	55	56	59	61	61	61	56
28	Q	56	56	55	55	54	54	54	50	53	53	55	55	55	54	50	44	38	39	42	43	44	50	55	55	51
29		55	55	55	55	55	54	50	50	50	54	55	55	53	48	47	44	44	43	44	48	53	55	55	54	51
30		54	55	53	50	50	52	49	48	53	55	60	55	49	47	44	38	36	41	51	57	60	58	58	56	51
MEAN	ALL	58	58	58	55	52	50	49	46	49	43	49	53	53	51	48	46	46	49	53	56	57	59	59	58	52
MEAN	Q	57	57	56	55	55	54	55	54	55	54	55	55	54	54	51	48	47	49	52	53	54	56	56	55	54
MEAN	D	62	64	69	55	47	38	22	5	26	-6	22	50	54	49	46	48	52	56	59	63	63	65	67	67	48

HORIZONTAL INTENSITY

TABLE 13 AGINCOURT

H = 1550n + TABULAR VALUES IN GAMMAS

MAY 1965

DAY	HOUR UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		T0 1	T0 2	T0 3	T0 4	T0 5	T0 6	T0 7	T0 8	T0 9	T0 10	T0 11	T0 12	T0 13	T0 14	T0 15	T0 16	T0 17	T0 18	T0 19	T0 20	T0 21	T0 22	T0 23	T0 24	
1		586	584	582	581	584	586	586	585	584	581	589	592	586	575	561	553	553	559	570	576	583	586	586	586	579
2	Q	588	587	587	586	586	586	586	588	589	590	591	592	589	576	562	556	560	569	576	581	585	589	586	585	582
3		581	585	575	578	575	577	580	581	581	584	585	584	578	572	564	571	577	584	592	601	602	600	596	594	583
4		589	589	590	588	588	589	590	591	591	592	592	591	586	577	562	552	556	564	573	587	591	599	602	613	585
5	D	601	580	560	559	580	548	525	509	575	564	570	567	567	559	543	547	540	547	567	585	586	586	586	578	564
6		569	571	577	574	575	576	578	575	575	579	577	575	564	563	564	564	563	563	573	580	586	595	595	584	575
7		584	583	581	592	584	584	581	578	578	576	575	578	577	573	569	568	566	569	573	581	589	591	590	586	579
8	D	586	586	585	580	581	581	580	580	581	576	579	581	582	579	567	566	586	596	594	609	608	612	603	562	585
9	D	571	558	542	555	571	576	565	569	571	574	574	573	563	553	554	562	568	570	574	578	591	584	577	576	569
10	D	579	571	570	567	563	559	571	569	570	579	571	579	576	570	562	560	570	581	590	592	592	582	586	581	574
11	Q	582	581	581	581	581	581	581	581	582	582	586	587	586	576	568	568	579	582	587	592	590	586	588	590	582
12		593	596	587	586	576	579	578	581	585	585	582	582	572	560	557	560	568	571	579	580	580	586	586	587	579
13	Q	587	587	586	585	583	582	583	585	586	586	586	589	590	576	561	559	565	574	587	592	592	589	590	588	583
14	Q	587	589	588	587	587	588	587	587	588	590	588	591	587	579	571	569	579	595	603	611	600	593	596	593	589
15		592	593	598	598	596	596	596	594	597	597	597	593	585	574	568	571	577	588	591	603	614	606	593	595	592
16	D	599	605	606	612	613	615	603	586	582	598	592	588	599	554	565	555	559	570	582	593	599	594	593	591	590
17		588	583	583	587	588	579	574	583	582	582	585	587	580	564	553	551	571	582	592	597	597	596	595	592	582
18		591	593	593	593	592	588	588	589	588	588	587	582	575	561	550	550	561	577	588	597	602	597	594	590	584
19	Q	588	588	589	588	591	591	592	591	589	588	588	587	582	571	562	556	561	576	586	594	598	597	594	594	585
20		597	595	594	594	588	591	591	593	594	594	596	596	587	571	563	572	579	599	599	605	608	606	604	610	593
21		604	600	600	599	597	593	595	593	590	588	588	590	586	580	580	582	589	607	614	619	613	596	603	597	596
22		588	588	583	580	576	577	577	575	576	578	582	583	576	566	560	557	556	582	594	591	592	603	594	593	580
23		599	594	593	591	592	588	589	592	577	591	586	587	583	575	564	566	571	584	598	604	604	605	600	593	588
24		592	593	592	586	592	591	586	582	585	582	588	591	591	582	573	565	566	566	578	591	588	588	586	588	584
25		593	593	594	594	596	594	594	593	592	593	593	593	587	580	582	591	598	605	611	610	604	594	588	591	594
26		596	594	596	598	597	597	598	594	592	593	594	588	586	584	585	593	602	610	619	620	619	621	608	604	599
27		609	608	596	598	597	599	597	593	593	594	593	589	582	572	563	566	577	588	604	611	614	611	605	592	594
28		598	599	599	598	597	596	594	593	591	591	592	588	586	588	575	575	582	588	604	597	603	602	599	594	593
29		597	598	597	598	597	594	594	597	597	599	600	601	601	597	582	578	588	599	603	604	610	608	604	597	597
30		597	597	596	593	592	593	593	598	599	604	605	605	599	594	585	577	580	583	588	599	608	613	608	602	596
31		598	595	597	598	599	598	597	593	597	595	593	594	593	586	575	569	571	584	598	608	608	609	608	602	594
MEAN ALL		591	589	587	587	588	586	585	584	586	587	587	587	583	574	566	565	572	581	590	596	599	598	595	591	585
MEAN Q		586	586	586	585	586	585	586	586	587	587	588	589	587	575	565	562	569	579	588	594	593	591	591	590	584
MEAN D		587	580	573	574	581	576	569	562	575	578	577	578	577	563	558	558	565	573	581	591	595	592	589	578	576

TABLE 14		AGINCOURT																							MAY 1965	
		DECLINATION																								
		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
DAY	HOUR UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	To 13	To 14	To 15	To 16	To 17	To 18	To 19	To 20	To 21	To 22	To 23	To 24	
1		30.0	30.3	30.2	30.2	30.3	30.5	30.0	29.9	28.7	28.1	27.2	25.7	23.8	23.8	25.9	30.1	34.3	38.2	39.0	37.7	35.9	33.4	31.5	30.1	30.6
2	Q	29.8	30.0	30.4	30.2	30.1	30.0	29.8	29.2	29.0	28.5	27.2	25.8	24.2	24.3	25.5	28.9	32.5	35.4	37.2	36.4	34.3	32.4	31.1	30.1	30.1
3		29.9	30.8	29.0	28.1	28.7	28.6	28.0	28.0	28.9	29.0	27.9	27.3	27.2	27.5	28.7	31.1	34.4	36.4	36.5	36.4	34.5	33.3	32.1	30.9	30.5
4		30.2	30.9	30.3	30.1	29.9	29.1	29.8	29.3	29.1	29.0	27.9	26.0	24.8	24.7	25.6	28.9	31.9	35.3	36.3	35.3	35.6	35.0	33.3	31.1	30.4
5	D	31.0	29.0	27.5	22.8	24.9	23.6	16.9	40.7	24.6	20.5	26.5	26.6	23.2	23.0	24.7	29.0	32.8	37.2	38.5	38.4	37.1	35.4	31.2	31.3	29.0
6		31.1	31.3	29.7	30.2	30.2	30.3	30.9	33.3	34.6	29.9	26.8	25.7	24.9	25.6	25.8	28.0	32.0	34.0	34.9	35.3	35.3	34.5	33.2	27.8	30.6
7		29.0	31.9	31.1	27.9	30.8	29.2	29.1	29.0	28.7	27.8	27.2	25.9	25.3	24.8	27.8	32.1	33.9	35.2	35.4	34.5	34.2	32.2	31.0	30.3	30.2
8	D	30.7	30.0	30.1	27.9	28.2	28.1	28.6	29.8	31.4	27.9	25.7	23.4	23.2	24.9	27.5	32.4	35.0	35.7	35.5	35.3	37.3	35.3	31.9	29.3	30.2
9	D	27.2	25.9	24.0	29.2	30.1	29.6	29.0	29.9	30.1	30.1	28.9	27.1	26.8	27.5	29.0	31.9	33.4	35.1	35.0	34.0	33.2	32.2	32.4	32.1	30.2
10	D	28.4	29.4	29.0	28.9	27.8	28.4	32.0	31.3	33.5	30.0	29.6	28.7	27.9	27.7	30.1	33.3	36.3	37.3	35.6	34.3	32.4	31.1	30.2	31.1	31.0
11	Q	30.8	30.9	30.9	30.9	31.0	30.8	30.7	30.3	30.1	29.7	28.0	27.0	25.9	26.1	28.5	32.3	34.8	35.3	34.6	34.2	33.2	32.0	30.2	30.0	30.8
12		30.1	30.2	29.9	27.3	28.0	29.7	28.9	29.9	29.8	27.8	27.9	26.0	26.0	27.7	28.8	30.2	33.1	35.3	35.8	35.2	34.2	34.3	33.1	31.1	30.4
13	Q	29.8	30.2	30.7	30.7	30.9	30.2	29.9	29.9	30.4	30.8	27.9	25.7	23.7	24.4	25.7	29.9	33.8	36.4	38.2	37.3	35.1	33.7	32.1	31.0	30.8
14	Q	31.0	31.3	31.2	31.0	29.7	29.8	29.9	30.1	29.8	29.0	27.5	25.7	23.8	23.5	24.8	28.9	33.0	36.3	38.3	36.3	34.4	33.4	31.2	30.1	30.4
15		29.8	29.8	30.4	30.7	30.7	30.0	29.6	28.9	28.9	28.5	27.0	24.8	25.1	25.1	27.7	30.7	34.9	37.1	37.3	35.9	33.1	31.8	30.7	29.0	30.3
16	D	29.4	31.1	31.1	30.8	29.7	28.7	26.5	27.9	21.5	25.3	26.3	23.4	18.5	23.5	33.6	32.8	36.4	38.3	37.4	36.1	32.7	30.0	28.8	28.9	29.5
17		30.0	29.0	26.6	29.7	29.9	30.6	31.7	32.8	30.4	29.1	25.5	23.4	23.1	24.6	27.6	30.9	34.1	34.1	34.0	33.0	31.8	30.8	29.8	29.8	29.7
18		30.0	30.5	30.1	27.7	28.6	29.9	30.7	30.1	29.8	29.6	27.0	25.3	23.8	24.3	27.1	30.7	34.6	36.8	37.0	36.1	33.9	31.7	29.6	29.5	30.2
19	Q	29.8	30.5	30.5	29.7	29.4	29.7	29.6	29.4	29.3	28.5	26.2	24.4	24.5	25.2	26.3	30.3	34.3	36.0	36.1	35.1	32.7	31.4	30.6	30.6	30.0
20		30.6	30.7	30.8	30.6	28.8	29.3	29.5	29.3	28.7	27.6	26.1	24.9	24.0	25.5	29.5	31.5	31.9	32.9	33.5	33.8	33.4	32.8	32.6	31.9	30.0
21		31.6	31.5	30.9	30.5	30.4	29.7	29.0	28.4	28.1	27.2	26.1	25.0	25.2	27.3	28.7	30.7	34.5	34.7	36.0	36.8	34.8	33.3	31.4	31.6	30.6
22		31.4	30.8	31.5	30.7	29.6	30.5	29.7	28.3	27.0	25.5	23.5	22.0	22.0	23.2	24.6	28.5	34.6	35.6	36.5	36.9	34.7	32.8	32.4	31.3	29.7
23		30.9	31.2	29.6	29.6	29.3	28.3	29.3	26.9	30.5	27.3	23.5	23.2	23.4	24.3	25.7	29.7	33.7	35.8	36.8	35.8	34.7	32.7	29.6	27.3	29.5
24		27.3	28.5	28.0	28.3	29.3	29.6	29.7	26.8	25.6	25.5	24.9	23.3	22.1	23.3	26.2	29.6	31.3	33.7	34.6	33.1	32.4	31.3	30.4	30.5	28.6
25		30.6	30.6	30.6	30.4	30.4	29.9	29.7	29.4	29.3	28.2	27.3	26.1	25.9	26.7	28.4	30.5	33.8	35.9	35.0	33.9	32.9	32.5	31.4	30.6	30.4
26		30.0	29.4	29.5	29.8	29.7	29.5	29.1	28.8	28.5	27.5	26.6	25.2	24.5	26.7	30.8	34.8	36.9	37.8	36.0	33.2	30.7	29.5	30.3	31.4	30.3
27		31.9	32.7	33.0	31.4	30.4	30.6	28.8	27.7	27.3	25.4	23.3	22.7	23.2	24.5	27.2	32.8	35.8	36.2	36.9	34.5	31.7	30.4	29.2	29.8	29.9
28		31.0	31.1	30.8	30.5	29.8	28.7	29.6	29.4	29.0	28.2	27.7	24.3	22.6	26.5	29.5	34.0	37.4	38.2	36.3	34.9	32.0	29.7	29.0	29.6	30.4
29		29.9	30.5	30.5	30.5	30.5	30.6	29.8	29.7	29.2	28.5	27.5	26.5	24.6	24.3	26.9	30.1	34.9	37.1	37.3	35.5	33.0	30.8	29.6	28.8	30.3
30		29.7	30.5	30.6	30.5	29.9	29.5	29.7	29.7	29.0	27.6	26.3	25.7	24.5	23.4	25.0	28.3	30.8	34.8	35.7	34.9	33.5	31.1	29.4	28.7	29.5
31		28.2	28.7	29.6	29.9	29.8	28.9	29.8	29.0	28.6	28.3	28.2	24.8	22.4	23.4	25.6	30.6	34.3	37.7	39.5	39.0	37.2	34.8	32.5	30.9	30.5
MEAN ALL		30.0	30.3	29.9	29.6	29.6	29.4	29.2	29.8	29.0	27.9	26.7	25.2	24.2	25.1	27.4	30.8	34.0	36.0	36.3	35.5	33.9	32.4	31.0	30.2	30.1
MEAN Q		30.2	30.6	30.7	30.5	30.2	30.1	30.0	29.8	29.7	29.3	27.4	25.7	24.4	24.7	26.2	30.0	33.7	35.9	36.9	35.9	33.9	32.6	31.0	30.4	30.4
MEAN D		29.3	29.1	28.3	27.9	28.2	27.7	26.6	31.9	28.2	26.8	27.4	25.8	23.9	25.3	29.0	31.9	34.8	36.7	36.4	35.6	34.5	32.8	30.9	30.5	30.0

VERTICAL INTENSITY

TABLE 15		AGINCOURT																							MAY 1965	
		Z = 56000 + TABULAR VALUES IN GAMMAS																								
DAY	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1		54	54	54	53	53	49	49	52	53	54	59	56	54	54	54	47	43	42	45	49	57	59	59	56	52
2	Q	54	53	53	52	53	53	53	52	53	53	55	54	53	52	47	41	37	37	41	43	49	55	58	58	50
3		56	54	55	56	55	54	53	52	54	56	57	57	54	52	47	43	47	48	46	43	43	47	47	53	51
4		51	52	52	52	52	51	52	52	51	52	53	53	52	48	41	36	32	40	46	48	48	51	52	54	49
5	D	55	64	90	74	28	-5	-9	-22	11	44	61	58	58	53	51	52	53	53	52	59	63	64	79	74	48
6		70	68	62	57	58	56	55	52	45	50	56	56	48	46	46	48	51	51	53	59	63	64	64	68	56
7		64	63	62	51	36	41	51	53	54	56	57	53	48	46	46	46	45	45	46	53	54	58	60	59	52
8	D	57	57	57	57	55	50	52	55	52	48	51	51	45	43	40	45	41	36	41	54	66	86	107	108	56
9	D	73	63	68	75	58	29	48	57	61	63	63	64	62	57	50	41	44	49	50	52	62	72	80	75	59
10	D	71	66	67	56	51	44	29	28	50	54	56	60	56	53	51	51	52	50	51	56	61	63	64	60	54
11	Q	57	56	56	56	56	56	56	57	57	57	61	60	56	54	51	45	43	49	50	51	53	57	62	61	55
12		59	59	55	37	50	50	55	56	55	59	61	60	56	50	43	38	39	39	43	49	54	56	59	60	52
13	Q	56	55	55	54	55	54	55	55	55	53	55	56	56	55	50	39	38	38	44	50	55	59	60	60	53
14	Q	58	58	55	54	54	53	50	54	55	55	59	59	58	54	53	50	49	47	47	54	59	59	56	55	54
15		54	54	53	52	52	49	50	52	53	54	54	52	49	50	49	42	42	42	41	47	54	58	55	59	51
16	D	56	54	52	50	52	42	-1	-6	36	54	43	15	23	26	17	27	36	42	49	54	59	61	64	61	40
17		59	59	54	42	32	40	47	49	51	55	59	59	57	54	52	50	59	63	63	63	60	60	59	55	54
18		56	57	57	53	47	50	53	54	53	54	58	58	53	51	48	41	40	40	44	53	58	58	58	57	52
19	Q	54	54	54	53	53	52	53	53	53	54	55	55	53	51	47	43	39	41	49	53	58	59	58	55	52
20		54	53	53	53	52	53	53	54	54	54	55	53	53	48	40	30	31	39	40	44	49	53	57	54	49
21		52	52	51	51	52	51	51	51	51	52	53	56	56	51	47	45	43	47	50	52	54	63	68	70	53
22		68	65	63	62	61	61	58	57	58	62	62	58	53	47	47	48	47	43	47	51	56	62	59	57	56
23		57	57	58	57	57	56	56	47	51	45	52	53	52	52	52	52	52	53	57	57	63	64	68	68	56
24		63	60	56	55	56	52	45	34	49	56	62	61	56	54	51	45	39	39	43	49	54	56	55	55	52
25		52	52	54	52	52	51	52	52	52	53	56	57	56	49	44	45	49	44	45	50	52	53	53	53	51
26		53	52	53	53	53	52	51	50	51	51	51	51	48	41	38	39	43	49	52	56	55	56	56	55	50
27		55	56	58	57	52	47	51	52	53	56	57	56	55	55	56	55	55	55	56	57	59	58	57	55	55
28		54	54	54	54	54	51	50	51	54	55	54	51	53	55	56	56	59	60	62	62	66	66	61	56	56
29		55	55	54	54	54	55	55	55	55	56	59	59	57	57	57	56	55	50	50	50	55	60	62	61	56
30		56	55	55	55	55	54	55	55	56	59	61	61	60	59	59	51	53	51	52	61	65	62	62	61	57
31		57	55	55	54	54	51	53	54	55	56	56	55	56	55	50	43	41	40	40	45	54	60	65	65	53
MEAN ALL		58	57	57	55	52	49	48	47	51	54	56	55	53	51	48	45	45	46	48	52	57	60	62	61	53
MEAN Q		56	55	54	54	54	54	53	54	54	55	57	57	55	54	49	44	41	43	46	50	55	58	59	58	53
MEAN D		62	61	67	62	49	32	24	23	42	52	55	50	49	46	42	43	45	46	48	55	62	69	79	76	52

## HORIZONTAL INTENSITY

TABLE 16		AGINCOURT																				H = 15500 + TABULAR VALUES IN GAMMAS		JUNE		1965
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23	TO 24	
1		598	603	604	602	600	602	604	604	602	605	604	605	597	581	564	552	560	577	603	616	616	610	598	597	596
2		598	599	598	598	599	599	598	598	597	600	602	605	594	568	550	537	545	562	573	588	598	594	594	599	587
3		599	599	596	594	590	589	591	592	589	589	594	592	587	579	576	570	566	576	581	604	611	617	595	592	590
4		600	599	600	607	603	606	597	597	590	594	575	584	591	582	568	572	577	568	584	590	599	584	584	595	590
5		596	583	585	578	587	590	584	585	584	588	594	589	582	573	566	563	573	579	590	595	600	601	600	600	586
6		598	595	599	597	593	585	588	588	585	588	585	584	580	574	573	579	581	591	602	605	605	601	593	597	590
7		596	594	590	590	587	584	585	588	588	590	590	590	581	578	577	568	567	578	596	606	610	606	598	595	589
8		596	595	595	593	590	587	590	590	589	590	595	597	585	568	569	582	590	610	616	606	635	632	618	602	597
9	D	579	591	586	585	591	590	586	578	572	574	574	579	572	572	556	549	553	588	604	610	607	607	596	594	583
10	Q	591	591	591	589	594	593	594	594	595	597	599	595	587	575	561	556	564	578	596	607	608	602	597	594	590
11		594	594	595	597	591	592	591	592	596	600	605	607	604	596	589	576	573	588	604	622	628	616	600	602	598
12		604	601	599	600	601	603	602	602	600	597	600	597	595	589	579	575	575	585	593	607	613	614	612	606	598
13	Q	600	599	600	601	601	601	601	601	601	602	607	602	595	585	573	567	579	599	612	622	622	615	610	606	600
14		607	607	606	605	605	600	601	605	604	606	606	604	596	601	592	582	577	584	596	608	617	604	595	594	600
15	D	601	601	599	597	602	601	599	604	599	601	598	598	588	591	578	570	579	594	606	607	654	647	615	618	602
16	D	621	588	589	584	595	561	562	552	561	556	550	550	500	463	464	484	480	493	532	628	692	654	645	588	562
17	D	568	528	517	513	530	569	564	537	564	557	561	547	536	539	546	556	549	558	585	596	601	630	634	644	564
18		572	583	574	567	574	579	580	579	575	581	586	580	575	569	562	556	562	573	597	603	618	602	601	585	581
19		580	578	582	586	585	586	588	589	586	585	585	588	585	576	568	557	558	577	591	598	605	603	600	593	584
20	Q	592	591	588	589	587	586	586	590	589	591	594	595	591	581	573	568	573	580	585	591	596	596	592	592	587
21	Q	594	595	595	593	596	592	591	591	590	590	592	597	595	585	574	564	567	574	587	605	608	605	601	597	591
22		597	596	598	602	598	597	598	597	595	591	588	593	590	587	585	576	584	597	608	609	605	603	601	601	596
23		607	598	596	597	598	597	597	592	593	592	595	592	586	578	575	571	573	581	590	607	608	606	602	598	593
24	Q	599	598	600	602	601	598	597	596	598	599	601	598	591	582	573	571	580	591	602	607	601	604	607	605	596
25		601	603	603	603	603	605	608	603	603	607	614	608	607	599	580	547	553	582	609	599	604	609	610	624	599
26		615	605	603	608	600	610	605	603	605	609	603	592	588	582	581	582	587	598	614	601	613	616	614	609	602
27		597	594	597	599	604	594	588	586	584	589	593	597	597	588	572	567	576	588	597	603	600	594	599	599	592
28		600	600	600	599	602	600	595	593	593	595	599	598	594	587	579	577	585	596	607	611	612	617	604	602	598
29		605	609	617	623	612	611	600	605	603	600	593	604	601	590	584	579	582	598	602	608	611	615	606	604	603
30	D	595	596	600	604	600	587	606	601	578	587	577	584	584	589	576	568	569	578	589	605	612	604	609	606	592
MEAN ALL		597	594	593	593	594	593	592	591	590	592	592	592	585	577	569	564	568	581	595	605	614	610	604	601	591
MEAN Q		595	595	595	595	596	594	594	594	595	595	599	597	592	581	571	565	573	584	596	606	607	604	601	599	593
MEAN D		593	581	578	577	583	581	583	574	575	575	572	571	556	551	544	545	546	562	583	609	633	628	620	610	580

## DECLINATION

TABLE 17		AGINCOURT																				JUNE 1965				
		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
DAY	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	To 13	To 14	To 15	To 16	To 17	To 18	To 19	To 20	To 21	To 22	To 23	To 24	
1		30.8	31.1	31.7	31.8	31.6	31.0	30.7	30.6	31.2	29.5	27.7	25.4	24.3	25.5	28.1	31.8	35.4	38.3	39.2	38.2	36.1	33.7	31.8	30.1	31.5
2		30.6	29.6	29.0	30.2	30.7	30.9	30.1	29.7	29.0	27.9	25.6	23.7	21.4	21.3	26.5	28.9	34.0	37.3	39.5	39.3	38.2	35.0	31.8	29.9	30.4
3		29.7	29.7	30.1	30.8	30.9	30.7	30.9	30.1	30.7	28.2	25.4	22.9	22.0	22.4	23.6	29.8	33.7	36.4	39.5	38.2	35.0	32.9	31.8	31.1	30.3
4		31.1	31.1	31.0	30.7	30.6	30.7	30.8	31.1	29.4	28.8	29.2	29.4	25.4	23.7	26.7	32.3	31.7	35.7	35.2	35.7	33.2	32.9	32.5	29.8	30.8
5		25.7	27.8	27.5	30.1	35.1	33.0	30.9	30.6	29.4	27.7	25.7	24.5	24.4	25.6	28.7	31.7	34.4	35.1	34.2	33.2	31.9	30.8	30.7	30.6	30.0
6		30.8	30.8	30.7	30.0	30.0	30.8	30.6	29.5	28.8	28.1	27.5	25.7	26.4	28.7	32.2	33.7	35.1	36.1	35.7	32.8	30.5	31.0	31.0	30.4	30.7
7		30.0	29.7	30.1	30.6	30.7	31.5	30.9	29.7	29.0	27.9	26.5	25.5	25.6	27.6	27.8	31.1	34.0	36.0	35.1	33.7	32.7	31.1	30.0	29.9	30.3
8		30.0	29.8	30.7	30.8	30.8	30.7	29.8	27.6	26.4	26.7	26.5	24.4	23.4	26.0	29.5	33.9	35.9	36.3	37.0	38.9	35.8	34.0	33.9	31.1	30.8
9	D	31.5	32.6	29.5	32.6	30.5	31.2	32.8	28.2	29.6	28.2	25.4	23.4	25.6	27.7	30.1	37.3	42.1	42.2	39.4	36.8	34.0	32.0	30.7	29.4	31.8
10	Q	28.6	29.4	29.5	30.2	30.7	30.0	29.8	29.5	28.7	27.6	26.2	25.4	26.4	27.3	29.0	31.6	34.9	36.9	37.2	36.8	34.1	32.1	30.7	30.0	30.5
11		29.8	30.4	30.4	30.4	30.3	29.8	29.7	29.5	29.1	28.5	27.3	25.3	24.5	24.4	25.5	31.5	35.9	38.5	38.2	34.6	32.7	31.7	31.6	29.9	30.4
12		29.4	27.9	28.6	29.0	29.7	29.7	28.8	29.7	30.5	27.3	25.3	23.4	22.9	23.7	24.9	28.6	32.3	34.7	36.1	35.9	34.6	32.7	29.7	29.3	29.4
13	Q	29.3	29.5	29.6	30.4	29.8	29.9	29.6	29.3	28.5	27.4	24.4	22.3	21.9	23.3	26.4	30.5	33.8	36.8	37.5	36.7	34.7	32.6	30.8	30.7	29.8
14		30.7	30.7	30.7	30.8	28.5	28.5	27.9	28.5	27.3	26.8	26.2	23.8	23.4	22.0	22.3	27.4	32.6	35.6	36.8	35.8	34.6	34.7	33.5	30.9	29.6
15	D	29.6	29.6	30.2	30.4	29.7	32.4	32.8	31.8	28.7	27.3	23.7	18.9	16.1	16.7	23.4	27.4	31.3	36.8	40.9	38.0	35.3	35.6	31.2	32.5	29.6
16	D	29.4	27.5	30.7	29.3	21.0	16.8	22.1	22.0	32.8	31.5	29.5	34.7	43.3	50.7	54.2	46.6	44.3	45.9	34.9	31.5	33.8	38.2	36.7	32.0	34.2
17	D	16.5	18.8	11.1	14.7	13.4	29.7	22.4	40.4	29.4	32.9	32.5	32.8	32.6	28.5	27.3	26.6	29.3	32.4	31.5	32.8	33.3	32.6	33.9	23.1	27.4
18		26.3	28.0	25.2	25.7	30.5	28.6	29.5	30.3	31.0	30.4	26.5	25.0	24.1	25.2	27.3	28.4	31.4	33.6	34.6	36.0	34.5	34.5	32.9	32.5	29.7
19		30.3	30.5	30.5	30.5	30.6	30.8	31.8	31.2	30.1	28.6	27.2	25.3	24.3	24.4	25.4	28.1	31.6	35.0	37.9	36.9	35.6	33.9	32.7	31.4	30.6
20	Q	30.3	30.4	29.9	30.5	30.6	30.6	30.7	30.5	29.7	29.0	27.2	25.5	24.8	24.3	26.1	30.6	33.9	37.1	37.9	37.8	36.1	34.5	32.5	30.6	30.9
21	Q	29.5	29.6	29.8	30.4	30.9	30.0	30.4	29.8	29.5	28.6	27.2	24.4	23.5	23.4	24.5	29.5	32.9	35.7	36.8	37.0	35.7	34.5	32.5	30.8	30.3
22		29.8	29.4	29.7	28.6	28.4	30.4	30.3	29.8	30.3	28.6	26.2	25.1	24.1	25.2	26.3	29.8	33.8	37.0	37.2	36.7	34.8	32.7	31.5	30.0	30.2
23		30.4	29.4	30.3	30.8	30.7	30.5	29.7	29.3	28.6	27.6	25.1	23.3	22.3	24.0	27.2	30.6	33.9	36.0	37.9	35.5	32.9	32.6	31.5	30.8	30.0
24	Q	29.7	30.4	30.7	30.6	30.5	29.6	29.7	29.7	29.5	28.7	27.6	26.1	24.9	25.2	28.6	31.2	33.8	36.6	37.0	35.9	35.2	34.6	32.6	30.7	30.8
25		30.5	29.9	30.5	30.7	30.7	30.5	29.6	29.6	28.8	27.6	25.4	24.3	22.4	23.4	22.5	25.4	37.1	39.3	36.0	39.1	34.7	32.6	31.5	30.5	30.1
26		31.5	30.7	28.6	28.6	27.5	28.0	28.9	30.5	28.5	29.5	27.6	28.6	27.8	29.2	30.7	32.7	33.0	34.9	35.0	36.9	34.1	32.9	32.1	30.4	30.8
27		25.5	27.3	28.8	26.8	31.8	33.1	31.0	29.6	27.4	27.4	25.4	24.5	24.4	25.2	27.5	30.8	35.0	36.3	36.1	34.8	33.0	32.0	31.0	30.6	29.8
28		29.9	30.9	30.8	29.8	30.9	31.9	31.0	29.7	29.2	27.9	27.3	25.4	24.5	25.3	27.4	30.7	34.8	36.8	36.2	35.0	32.9	30.9	30.7	29.9	30.4
29		30.6	30.9	30.8	30.0	28.7	27.8	30.0	31.8	25.7	24.2	22.6	22.5	21.6	22.2	25.3	30.8	35.1	39.3	39.2	40.0	38.3	37.0	35.2	30.9	30.4
30	D	30.6	30.8	28.9	27.3	27.3	26.0	30.9	29.2	34.7	31.0	29.1	26.4	24.2	24.7	25.2	28.8	34.1	37.2	38.1	37.1	34.8	33.2	31.8	29.7	30.5
MEAN ALL		29.3	29.5	29.2	29.4	29.4	29.8	29.8	30.0	29.4	28.4	26.6	25.3	24.8	25.6	27.7	30.9	34.4	36.9	36.9	36.3	34.4	33.3	32.0	30.3	30.4
MEAN Q		29.5	29.9	29.9	30.4	30.5	30.1	30.1	29.8	29.2	28.2	26.5	24.8	24.3	24.7	26.9	30.7	33.8	36.6	37.3	36.9	35.2	33.7	31.8	30.6	30.5
MEAN D		27.5	27.9	26.1	26.8	24.4	27.2	28.2	30.3	31.0	30.2	28.0	27.3	28.4	29.7	32.0	33.3	36.2	38.9	37.0	35.3	34.2	34.3	32.9	29.3	30.7

## VERTICAL INTENSITY

TABLE 18		AGINCOURT																							Z = 56000 + TABULAR VALUES IN GAMMAS		JUNE 1965	
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN		
	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1		58	56	56	55	56	56	55	56	56	53	54	54	51	51	49	36	35	39	42	46	52	58	59	58	52		
2		54	53	50	50	49	49	50	50	50	52	57	54	50	47	41	36	36	39	46	55	58	62	64	61	51		
3		55	53	52	52	52	51	50	47	47	52	57	57	52	47	43	46	44	41	52	57	50	62	65	58	52		
4		55	51	51	51	50	51	50	45	44	39	40	40	44	45	38	40	40	40	45	50	62	66	73	72	49		
5		63	64	62	57	30	30	43	51	56	57	57	55	53	56	56	49	43	46	54	61	61	61	56	55	53		
6		53	52	52	52	48	51	49	50	51	51	49	48	45	46	43	37	38	45	45	45	52	57	59	60	49		
7		59	56	55	53	53	54	54	53	53	55	55	55	51	49	47	49	49	46	48	55	55	55	55	55	53		
8		53	52	51	51	52	52	54	50	51	55	56	55	51	46	40	37	34	28	34	44	60	73	92	99	53		
9	D	82	69	65	55	59	54	39	33	36	43	49	54	48	47	46	47	37	44	54	60	64	67	69	70	54		
10	Q	65	59	54	53	48	47	51	52	53	54	56	54	52	48	43	37	36	35	37	38	43	47	51	53	48		
11		50	50	50	50	50	48	48	47	51	52	52	49	41	40	44	42	36	30	34	41	52	55	56	59	47		
12		55	51	46	46	47	46	44	46	45	49	51	46	44	44	44	46	46	46	49	50	46	49	51	53	47		
13	Q	50	48	47	47	45	45	45	45	48	50	49	45	43	41	39	34	32	35	39	45	50	50	50	50	45		
14		47	45	44	44	39	38	39	43	44	47	47	42	33	33	33	38	38	35	38	44	55	62	65	61	44		
15	D	53	49	48	47	44	32	32	31	30	41	46	40	38	41	43	38	41	45	66	38	92	86	77	68	48		
16	D	74	52	57	53	32	19	25	-15	-59	-79	-100	-83	-83	-71	-47	-2	20	52	117	205	270	262	223	183	46		
17	D	96	75	53	9	-9	-48	-10	-87	-22	-21	-8	1	3	20	30	46	42	52	58	58	54	68	78	106	27		
18		88	73	69	65	31	35	46	48	52	52	56	57	57	53	52	51	49	46	50	46	50	51	52	56	53		
19		58	56	54	53	51	51	49	46	49	51	52	51	50	48	46	45	44	49	50	48	45	44	48	50	49		
20	Q	49	48	47	47	47	47	48	48	48	50	54	55	52	48	44	44	39	33	33	34	44	46	48	50	46		
21	Q	50	49	49	48	44	44	45	45	47	48	49	50	51	45	45	47	45	43	38	39	42	44	49	50	46		
22		48	48	48	44	42	45	44	45	45	44	47	48	47	44	40	38	35	36	40	41	39	44	53	55	44		
23		54	49	48	47	45	45	45	45	45	47	48	49	49	49	44	39	37	36	31	28	32	39	45	48	43		
24	Q	45	45	45	44	44	44	44	45	45	47	48	48	45	47	48	39	39	36	36	41	44	44	44	45	44		
25		44	44	44	44	44	44	44	44	44	45	48	44	44	42	42	39	39	42	44	46	55	59	55	56	46		
26		56	55	55	45	34	41	45	45	44	48	44	45	45	45	49	48	48	45	47	44	50	56	58	60	48		
27		61	58	55	44	28	14	25	32	38	48	48	47	43	43	44	42	40	39	37	43	46	52	54	53	43		
28		51	48	48	45	40	39	42	44	45	48	49	50	50	49	45	50	47	42	45	50	51	51	49	48	47		
29		49	48	45	44	45	46	47	28	37	39	44	43	42	42	44	39	34	34	33	42	46	55	66	72	44		
30	D	66	57	53	46	33	31	39	31	16	23	26	32	30	33	33	40	44	45	48	45	49	59	66	77	43		
MEAN ALL		58	54	52	48	42	40	43	38	40	41	43	43	41	41	40	41	39	41	46	51	59	63	64	65	47		
MEAN Q		52	50	48	48	46	45	47	47	48	50	51	50	49	46	44	40	38	36	36	39	44	46	48	49	46		
MEAN D		74	61	55	42	32	18	25	-1	0	1	3	9	7	14	21	34	37	48	69	81	106	108	102	101	44		

HORIZONTAL INTENSITY

TABLE 19		AGINCOURT																							H = 15500 + TABULAR VALUES IN GAMMAS		JULY 1965	
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN		
	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1		595	585	598	600	604	608	598	595	594	595	593	587	572	578	574	566	567	578	595	611	611	609	615	598	593		
2		594	598	601	604	597	595	598	598	595	593	595	595	588	578	562	555	563	579	594	605	616	609	602	599	592		
3		604	603	606	600	598	590	587	594	598	595	600	600	593	586	575	567	571	583	598	598	599	604	601	600	594		
4	Q	595	598	598	599	600	600	599	598	600	598	596	594	594	590	584	590	594	592	601	609	617	615	615	609	599		
5	Q	598	605	606	606	606	606	606	607	601	602	610	610	604	599	590	584	588	598	610	615	622	622	616	615	605		
6	D	610	612	610	600	600	622	595	611	606	595	586	583	584	579	582	573	576	589	595	611	616	611	605	601	598		
7		610	601	590	589	596	595	590	595	594	593	594	595	593	579	568	560	567	577	589	600	599	615	596	609	591		
8	D	604	605	601	610	595	598	601	605	614	600	605	601	597	589	579	572	577	574	576	604	617	613	629	612	599		
9		585	587	583	589	594	595	598	595	594	592	593	593	589	579	567	557	568	585	601	609	617	623	630	611	593		
10	D	612	615	609	600	587	584	583	593	593	582	582	582	577	576	571	571	568	573	583	592	598	604	604	599	589		
11	Q	599	597	597	597	594	595	591	591	589	589	592	589	583	582	582	581	581	583	592	609	621	616	609	598	594		
12		597	599	599	600	599	597	597	598	599	599	603	600	593	581	570	569	578	599	611	620	612	615	619	611	598		
13		609	610	610	610	605	604	603	600	594	592	599	598	597	592	588	586	599	616	626	621	614	612	608	604	604		
14		608	608	603	594	594	599	593	593	594	596	599	600	596	588	582	575	580	593	612	626	634	627	622	606	601		
15		602	599	602	602	603	602	604	598	597	591	593	585	580	577	583	583	585	589	599	610	614	615	618	599	597		
16		593	598	598	593	596	592	593	595	593	592	593	593	591	582	577	571	580	583	591	604	610	613	605	604	593		
17	Q	598	598	598	598	594	597	597	597	598	597	596	598	593	585	572	568	576	588	596	603	607	610	610	609	595		
18		609	607	604	604	604	604	604	604	603	602	602	599	596	591	585	577	590	598	601	615	621	621	621	620	603		
19		625	621	608	604	602	608	601	586	573	573	565	571	573	580	577	552	557	570	575	587	598	603	606	608	588		
20		600	598	600	597	597	597	597	597	595	592	595	590	585	576	570	571	575	579	595	608	598	595	601		592		
21		595	595	595	595	597	596	595	597	597	591	598	597	593	586	575	570	576	586	592	597	602	606	605	605	594		
22		604	603	603	601	601	602	602	606	606	603	603	603	601	596	587	584	590	603	614	622	634	636	614	604	605		
23	D	602	603	604	603	608	609	603	597	601	601	603	602	592	570	568	576	597	602	620	612	623	595	607	606	600		
24		608	609	607	608	608	609	607	606	601	605	586	595	595	581	574	579	578	582	592	604	614	608	612	608	599		
25		603	600	590	588	591	595	596	592	591	601	605	603	597	586	571	573	580	591	599	614	624	619	614	608	597		
26		602	602	603	603	598	598	598	599	599	599	601	602	593	576	558	559	570	581	598	606	610	615	609	609	595		
27		605	609	612	610	609	611	616	619	615	613	611	604	590	576	576	572	576	591	608	624	614	617	617	625	605		
28	D	626	595	596	603	636	601	530	585	593	590	590	585	586	574	560	558	564	576	592	597	604	610	606	597	590		
29		592	593	598	596	601	583	604	596	594	593	591	587	577	554	564	575	576	591	610	605	613	614	615	608	593		
30		594	596	596	592	593	596	593	593	592	592	591	590	587	580	569	566	577	588	599	597	603	599	606	607	591		
31	Q	599	599	600	600	597	597	595	594	593	593	596	597	591	577	566	565	577	598	611	619	616	614	609	598	596		
MEAN ALL		602	601	601	600	600	600	596	598	597	595	595	595	590	582	574	571	577	587	599	608	613	613	611	606	596		
MEAN Q		598	599	600	600	599	599	598	597	596	596	591	597	593	587	579	577	583	592	602	611	616	615	612	606	598		
MEAN D		611	606	604	603	605	603	582	598	599	594	591	591	587	578	572	570	576	583	593	603	611	607	610	603	595		

AGINCOURT MAGNETIC OBSERVATORY 1965



DECLINATION

TABLE 20		AGINCOURT																							JULY 1965	
		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
DAY	HR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
	UT	To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	To 13	To 14	To 15	To 16	To 17	To 18	To 19	To 20	To 21	To 22	To 23	To 24	
1		23.4	29.8	30.6	30.1	31.6	30.7	30.3	33.2	32.2	31.1	24.7	23.6	24.6	26.7	25.8	29.6	32.1	34.2	36.3	37.2	35.1	34.4	30.1	31.1	30.4
2		31.4	32.1	29.9	29.3	30.1	31.2	33.3	30.2	30.1	30.1	30.0	27.1	25.4	24.8	26.7	29.4	34.0	38.1	38.9	37.9	36.2	34.3	32.6	30.3	31.4
3		28.7	29.0	25.6	29.2	29.3	30.1	32.0	33.2	30.4	29.1	27.5	25.7	24.7	24.7	26.0	29.0	33.3	35.7	36.4	37.4	36.4	33.8	33.4	32.1	30.5
4	Q	31.3	30.3	31.2	30.5	30.6	31.3	31.3	31.3	31.2	29.4	28.2	27.0	25.3	25.8	28.3	31.4	34.3	35.8	35.5	36.1	35.6	34.6	33.4	32.0	31.3
5	Q	32.1	31.6	31.4	31.2	30.6	30.3	30.1	29.1	28.3	27.8	26.9	24.9	24.8	25.9	28.8	31.5	33.6	34.7	35.4	35.4	33.9	32.5	31.8	31.4	30.6
6	D	31.5	31.8	32.1	31.3	31.9	31.0	23.7	21.2	24.8	26.7	29.2	24.1	26.9	27.9	30.2	32.1	37.9	38.8	37.7	36.5	33.2	31.0	29.9	29.4	30.4
7		29.5	29.2	29.3	31.1	30.3	32.3	31.6	32.1	31.5	30.3	28.9	26.0	25.0	25.8	28.4	31.6	34.1	36.5	37.7	35.7	34.9	32.5	33.1	30.6	31.2
8	D	30.7	30.5	23.1	29.3	28.7	29.9	30.5	30.1	29.2	28.1	26.1	23.8	21.7	21.7	25.3	30.2	33.3	35.7	39.9	42.2	39.6	37.7	35.6	30.2	30.5
9		29.1	29.0	25.7	25.2	30.1	32.2	32.1	31.4	31.0	31.6	27.3	24.0	22.8	23.0	24.7	30.7	35.4	36.7	36.9	37.6	35.9	34.9	33.7	34.1	30.6
10	D	33.5	32.3	31.6	26.0	27.2	31.8	33.5	38.5	28.8	28.1	30.2	24.0	24.5	23.7	25.8	29.5	32.2	34.2	35.2	34.8	33.7	32.5	31.7	31.6	30.6
11	Q	31.6	31.5	31.5	31.1	30.6	31.3	31.5	31.4	30.7	29.5	27.7	25.9	25.0	26.0	28.0	30.6	34.2	38.6	39.0	36.9	34.6	32.2	31.1	30.8	31.3
12		30.5	31.1	31.4	31.4	31.5	31.4	30.9	30.5	30.2	29.3	27.9	26.0	24.2	24.8	26.0	30.2	31.1	33.6	35.6	36.3	35.9	33.5	31.6	31.4	30.7
13		31.3	31.4	30.9	31.0	30.5	29.9	29.1	28.3	27.3	26.0	24.0	22.8	21.5	23.8	26.0	30.5	35.5	38.9	40.8	38.8	35.6	34.5	33.5	33.2	30.6
14		31.5	31.9	32.4	32.1	32.3	30.2	30.5	29.1	28.0	27.2	25.8	24.8	23.9	24.7	26.6	31.2	35.5	37.7	38.8	37.5	34.7	33.5	30.5	30.4	30.9
15		31.2	31.3	31.3	31.0	31.0	30.4	32.7	34.3	31.2	27.5	25.9	25.8	27.9	25.7	24.8	29.9	33.3	35.3	37.4	37.9	37.5	35.3	31.6	31.4	31.3
16		29.4	30.3	30.2	31.0	30.4	30.1	30.3	31.2	30.7	29.1	27.3	26.1	24.5	24.7	26.7	30.6	34.3	36.5	38.6	37.7	35.6	33.6	32.4	31.3	30.9
17	Q	31.3	31.3	31.2	31.2	31.2	30.8	30.9	30.6	30.1	29.2	28.1	27.5	25.0	23.9	24.7	28.9	32.3	35.2	36.7	37.7	36.6	35.4	33.2	31.9	31.0
18		31.2	31.2	31.2	31.1	31.1	30.4	30.7	30.4	30.0	30.0	28.6	26.8	24.7	23.8	25.1	25.9	30.6	34.3	34.4	36.6	38.5	37.6	36.6	34.5	31.1
19		32.2	31.3	30.8	30.3	30.0	30.3	28.0	18.8	22.3	31.1	22.3	26.8	25.7	27.0	28.9	29.2	32.3	34.4	36.7	37.4	36.5	35.1	34.3	33.1	30.2
20		32.0	31.1	30.3	30.2	30.3	30.1	30.0	30.0	30.6	30.0	26.4	24.9	23.7	23.5	22.8	23.7	28.0	32.1	35.3	35.7	35.6	36.4	34.1	32.1	29.9
21		31.6	31.3	28.9	30.0	29.9	29.1	30.2	31.2	30.3	30.1	28.8	27.1	25.7	25.0	26.6	29.0	31.1	33.4	36.2	36.6	35.6	33.8	32.3	31.3	30.6
22		31.0	31.0	31.1	30.9	30.9	30.6	29.8	29.9	29.7	29.0	27.8	25.8	24.5	25.6	28.0	31.2	34.2	35.2	36.6	36.8	34.9	33.2	31.7	31.0	30.8
23	D	27.5	29.8	29.7	27.8	31.1	27.9	27.9	27.9	27.8	27.1	25.7	24.5	24.5	24.6	31.0	36.5	37.5	38.5	37.2	38.5	34.5	33.1	30.5	31.1	30.5
24		30.9	30.9	30.4	27.8	30.8	31.7	30.1	30.1	33.0	29.8	30.1	27.6	25.7	25.7	27.1	29.7	31.8	33.2	34.2	34.2	32.6	31.2	30.3	29.9	30.4
25		29.9	27.4	24.6	29.6	30.0	30.9	30.8	31.9	33.8	29.5	26.9	25.7	25.3	25.4	26.4	29.8	32.5	33.5	35.3	34.9	33.1	31.7	29.8	29.6	29.9
26		30.3	31.0	30.9	30.0	28.3	27.3	29.7	29.9	29.5	27.8	25.1	23.5	23.3	24.6	26.5	30.3	34.2	37.1	37.4	36.2	34.0	31.9	30.8	30.8	30.0
27		31.7	31.8	31.6	31.3	29.8	27.5	26.6	27.5	26.9	26.3	24.2	22.2	21.2	22.8	24.2	30.9	36.9	38.8	40.1	38.7	36.9	33.9	31.2	29.3	30.1
28	D	28.6	29.2	24.2	25.3	25.3	25.1	30.7	33.9	27.6	28.7	25.4	24.1	21.6	21.1	23.1	28.6	32.7	37.6	38.6	38.2	35.8	32.9	29.8	26.2	28.9
29		28.8	30.4	30.0	26.5	29.4	34.6	32.8	28.5	29.6	28.6	27.6	26.4	25.3	28.1	27.7	30.4	34.0	37.2	38.5	40.2	37.5	34.6	30.9	29.4	31.1
30		27.7	27.1	30.2	28.7	30.5	29.8	30.5	31.4	31.4	28.7	27.2	25.0	24.0	25.1	26.4	31.1	35.7	38.2	39.1	37.1	34.9	33.8	31.5	30.3	30.6
31	Q	30.4	30.7	31.4	31.0	29.9	30.6	30.5	29.8	29.3	28.2	26.2	24.1	22.9	23.0	25.1	29.9	34.6	38.2	38.8	37.0	33.8	31.6	30.5	29.6	30.3
MEAN ALL		30.4	30.6	29.8	29.8	30.2	30.3	30.4	30.2	29.6	28.9	27.0	25.3	24.4	24.8	26.5	30.1	33.6	36.1	37.3	37.1	35.5	33.8	32.0	31.0	30.6
MEAN Q		31.3	31.1	31.3	31.0	30.6	30.8	30.8	30.4	29.9	28.9	27.4	25.9	24.6	24.9	27.0	30.5	33.8	36.5	37.1	36.6	34.9	33.3	32.0	31.1	30.9
MEAN D		30.4	30.7	28.1	27.9	28.8	29.1	29.2	30.3	27.6	27.7	27.3	24.1	23.8	23.8	27.1	31.4	34.7	37.0	37.7	38.0	35.4	33.5	31.5	29.7	30.2

VERTICAL INTENSITY

TABLE 21		AGINCOURT																							Z = 56000 + TABULAR VALUES IN GAMMAS		JULY 1965	
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN		
	UT	T0 1	T0 2	T0 3	T0 4	T0 5	T0 6	T0 7	T0 8	T0 9	T0 10	T0 11	T0 12	T0 13	T0 14	T0 15	T0 16	T0 17	T0 18	T0 19	T0 20	T0 21	T0 22	T0 23	T0 24			
1		71	65	59	54	44	32	33	6	5	16	42	45	44	47	44	41	32	38	41	47	53	58	66	63	44		
2		57	54	50	44	46	44	37	41	44	47	50	48	47	53	48	43	42	38	43	47	53	54	54	57	47		
3		52	51	42	41	42	42	46	42	43	48	52	51	53	51	48	42	40	36	42	51	51	54	56	57	47		
4	Q	56	53	51	48	47	46	43	45	46	47	47	46	46	41	37	31	29	26	24	31	42	43	49	52	43		
5	Q	47	45	44	42	43	42	42	41	41	45	46	44	42	45	45	42	44	41	42	41	44	46	45	45	44		
6	D	42	44	46	50	47	-8	-2	22	30	19	3	8	19	25	31	35	34	39	45	57	63	58	57	54	34		
7		52	53	51	51	41	35	30	35	43	47	51	50	46	43	41	28	29	38	46	51	57	67	60	58	46		
8	D	53	51	45	15	39	45	46	45	45	48	47	44	45	47	48	44	33	28	38	52	61	65	66	76	47		
9		70	61	49	33	43	45	48	45	47	44	40	44	43	39	35	34	35	39	44	48	51	50	48	43	45		
10	D	44	45	50	52	36	33	14	6	14	30	30	24	33	37	39	43	39	44	47	50	53	50	49	48	38		
11	Q	48	47	47	46	46	44	43	44	45	48	49	44	42	42	43	38	42	44	42	39	42	44	43	43	44		
12		43	43	42	42	43	41	42	43	43	46	48	48	48	47	47	43	46	43	47	42	46	46	46	43	45		
13		41	40	39	40	40	41	41	40	38	40	41	37	33	32	31	33	34	42	38	38	40	40	43	47	39		
14		46	46	47	49	48	41	45	46	46	47	48	43	38	38	38	37	38	42	37	37	40	41	49	51	43		
15		47	45	43	42	42	42	36	12	14	33	40	36	29	25	25	24	34	39	37	39	42	48	57	60	37		
16		58	52	48	47	45	42	41	40	38	41	45	45	44	45	46	42	30	31	31	32	37	46	47	48	42		
17	Q	44	42	41	41	41	41	42	41	41	42	44	43	41	39	37	36	31	29	29	34	35	40	40	42	39		
18		41	40	39	40	40	39	39	39	39	39	41	39	36	32	36	34	28	25	25	29	36	39	41	42	37		
19		42	40	37	38	37	38	28	-24	-2	3	1	9	4	4	2	9	18	34	42	42	48	53	53	53	25		
20		48	47	47	46	43	42	42	42	40	36	41	45	42	40	39	36	32	31	40	46	52	53	57	58	43		
21		52	47	40	42	31	35	40	42	44	46	48	48	43	40	33	29	30	36	42	46	46	46	47	47	42		
22		42	42	41	41	41	41	39	36	38	41	42	41	40	42	40	31	35	34	34	37	39	40	42	47	39		
23	D	45	42	43	39	28	9	17	34	40	42	42	40	36	35	40	33	30	35	43	46	52	52	51	46	38		
24		41	41	41	36	28	22	31	35	29	24	30	33	33	30	29	30	29	30	37	46	51	50	47	45	35		
25		41	42	39	38	41	41	42	40	39	40	45	44	41	39	31	29	34	40	44	41	46	44	44	41	40		
26		38	39	38	39	37	33	33	34	40	43	44	43	40	39	30	27	30	34	35	40	46	53	49	45	39		
27		39	38	38	38	40	35	39	41	41	43	43	39	34	30	30	34	34	35	35	38	43	49	56	61	40		
28	D	54	56	47	41	-6	-37	-103	-56	17	39	43	41	39	39	38	40	39	43	40	49	55	60	61	61	29		
29		51	48	47	43	38	16	9	32	41	44	43	41	39	36	38	38	36	39	44	55	55	53	50	48	41		
30		45	44	44	43	42	43	43	42	40	44	44	44	43	43	36	38	41	38	39	42	44	48	52	48	43		
31	Q	47	47	45	44	43	43	43	43	43	44	48	49	48	47	43	43	43	41	39	44	43	44	44	43	44		
MEAN ALL		48	47	45	42	39	34	31	31	36	39	41	40	39	39	37	35	34	36	39	43	47	50	51	51	41		
MEAN Q		48	47	46	44	44	43	42	43	43	45	47	45	44	43	41	38	38	36	35	38	41	43	44	45	43		
MEAN D		48	47	46	39	29	8	-6	10	29	35	33	31	34	37	39	39	35	38	43	51	57	57	57	57	37		

## HORIZONTAL INTENSITY

TABLE 22		AGINCOURT																				AUGUST 1965					
		H = 15500 + TABULAR VALUES IN GAMMAS																									
HOUR		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
UT		T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	MEAN
DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1		598	599	599	603	599	599	599	599	598	599	600	600	597	591	577	577	588	602	611	614	628	615	609	605	600	
2		607	610	612	614	614	615	617	616	603	589	592	601	596	595	576	577	588	611	614	605	582	586	603	609	601	
3		603	597	596	585	582	588	594	594	599	600	599	592	588	596	598	583	564	575	599	609	610	610	604	606	595	
4		601	593	594	594	595	596	602	604	600	600	600	598	595	585	577	565	583	601	606	606	611	606	611	604	597	
5	Q	604	606	604	604	604	605	605	604	605	600	600	600	594	584	568	562	567	577	594	604	612	612	606	608	597	
6	Q	606	605	601	600	603	600	600	599	600	600	601	600	589	573	566	564	573	589	604	616	628	622	616	610	598	
7		612	611	613	612	612	611	613	613	618	617	613	611	601	588	574	579	587	590	600	612	613	620	613	616	606	
8		613	611	614	623	612	612	609	608	607	607	606	606	599	586	574	573	590	597	608	613	617	614	610	608	605	
9		606	602	606	611	606	606	606	607	608	606	603	600	591	580	575	586	590	587	597	608	607	608	600	605	600	
10	Q	602	602	603	606	602	608	602	605	603	603	599	594	585	584	574	575	580	590	597	606	613	617	613	613	599	
11		606	596	590	588	598	607	607	607	602	602	603	599	589	577	565	566	579	593	614	620	629	626	620	615	600	
12		603	603	606	609	614	608	614	607	607	600	600	601	596	579	560	563	573	585	598	607	605	609	602	609	598	
13	Q	609	609	610	608	606	604	603	603	604	603	604	603	600	592	580	576	582	596	610	620	628	620	620	618	604	
14		618	614	593	592	586	590	589	594	598	593	597	598	585	571	559	559	567	587	597	612	615	618	612	604	594	
15		603	606	607	607	605	606	607	604	601	598	603	608	610	603	587	579	578	587	599	593	603	619	625	615	602	
16		614	615	607	607	607	607	608	611	609	616	617	619	614	604	590	579	576	586	601	613	629	631	618	629	609	
17		609	614	618	607	592	596	598	599	592	592	591	581	597	587	575	574	579	585	585	606	613	614	616	603	597	
18	D	597	596	599	603	603	603	604	603	603	603	601	598	599	601	600	596	592	604	607	607	608	581	590	603	600	
19	D	597	575	585	597	607	620	576	576	596	595	596	598	587	569	559	559	576	579	609	598	610	601	610	601	591	
20	D	601	602	601	603	603	603	601	598	598	587	591	595	588	586	586	576	567	567	573	596	607	618	620	615	595	
21		586	580	586	591	604	586	586	595	592	574	584	598	580	578	572	570	573	584	595	603	607	603	602	602	589	
22		602	603	601	600	601	602	600	601	598	596	597	591	585	575	563	558	563	580	592	595	600	606	606	591	592	
23		584	591	595	596	597	598	599	600	599	597	596	591	581	575	574	581	585	597	609	607	620	608	581	607	594	
24	D	578	591	601	602	600	601	595	588	589	600	598	600	591	580	572	569	575	591	603	612	625	609	597	590	594	
25	D	594	583	572	595	600	608	585	593	601	596	599	595	585	570	557	561	568	587	606	612	618	610	609	595	592	
26		594	605	602	605	605	601	606	597	596	596	596	594	584	568	562	567	579	594	601	611	616	605	602	602	595	
27		605	604	606	607	606	605	601	596	600	597	595	594	585	568	555	558	565	573	590	601	601	601	601	600	592	
28	Q	601	601	606	602	605	604	601	602	601	602	601	596	590	573	557	558	569	584	596	600	607	609	606	606	595	
29		607	607	606	601	599	601	607	602	599	602	605	602	590	572	557	558	571	585	601	618	601	609	607	606	596	
30		606	594	574	599	605	605	607	616	596	602	605	604	594	581	572	568	578	594	608	619	614	616	611	607	599	
31		601	605	599	601	612	597	602	601	599	599	584	589	574	577	574	567	568	575	585	599	605	596	607	609	593	
MEAN ALL		602	601	600	602	603	603	601	601	601	599	599	599	592	582	572	570	576	588	600	608	612	610	608	607	597	
MEAN Q		604	605	605	604	604	604	602	603	602	601	601	599	591	581	569	567	574	587	600	609	618	616	612	611	599	
MEAN D		594	589	592	600	602	607	592	591	597	596	597	597	590	581	575	572	575	586	600	605	614	604	605	601	594	

## DECLINATION

TABLE 23		AGINCOURT																				AUGUST		1965		
		U = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
HOUR	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DAY		To 1	To 2	To 3	To 4	To 5	To 6	To 7	To 8	To 9	To 10	To 11	To 12	To 13	To 14	To 15	To 16	To 17	To 18	To 19	To 20	To 21	To 22	To 23	To 24	MEAN
1		30.4	31.3	30.7	29.8	30.6	30.6	30.5	30.1	29.4	28.5	27.4	26.1	24.4	25.4	27.9	31.7	33.7	34.5	35.7	37.0	36.3	35.3	31.7	30.5	30.8
2		30.5	30.4	30.0	29.6	29.5	29.5	29.4	28.4	27.4	27.1	29.4	25.1	20.3	20.5	23.9	31.3	37.0	37.7	37.1	37.9	37.2	34.9	32.2	30.4	30.3
3		29.2	30.5	29.3	26.6	26.2	29.2	28.1	29.1	31.3	28.6	27.0	24.9	27.0	25.7	24.8	26.9	32.6	39.6	39.6	37.6	35.8	34.4	32.7	31.2	30.3
4		31.5	30.5	29.5	29.4	29.4	29.8	31.8	31.3	29.9	29.0	27.3	25.1	23.0	23.9	26.1	30.4	35.7	36.4	34.9	33.7	32.6	32.4	31.2	31.2	30.2
5	Q	30.7	31.1	31.2	30.0	29.9	30.3	30.2	29.4	29.0	28.0	26.1	23.8	22.8	22.8	24.7	30.3	35.5	38.5	38.7	37.9	35.8	33.6	31.4	30.3	30.5
6	Q	30.5	30.8	31.1	31.4	30.2	29.8	30.0	30.2	28.4	28.0	26.8	24.9	23.9	24.7	28.2	32.2	34.8	38.4	38.7	36.7	32.8	31.1	30.3	30.3	30.6
7		31.3	31.1	30.5	30.5	30.4	29.4	29.5	29.2	27.8	25.9	23.6	20.8	20.4	21.8	25.6	32.4	34.8	37.6	37.5	35.8	33.5	32.4	30.0	30.2	29.7
8		31.4	31.1	28.1	31.4	30.1	29.8	29.2	29.0	28.3	28.0	25.9	23.7	22.9	23.8	27.0	33.4	36.4	37.7	37.5	36.9	33.4	31.6	29.9	29.2	30.2
9		30.2	30.4	29.9	28.9	29.0	30.2	29.4	29.2	28.2	27.8	25.7	23.8	21.6	23.5	28.1	33.6	36.7	40.3	41.5	39.9	36.5	32.5	29.3	29.0	30.6
10	Q	29.9	30.4	30.4	29.2	29.9	30.2	30.0	29.4	29.1	28.3	28.3	27.2	24.9	27.0	29.3	31.7	34.8	35.7	35.6	35.4	33.8	32.6	31.1	29.2	30.6
11		28.0	26.8	26.2	26.3	29.2	29.2	29.7	29.3	27.7	27.2	26.1	24.8	24.1	24.9	27.4	33.5	38.4	41.2	40.7	38.6	35.5	33.4	31.3	28.3	30.3
12		29.1	30.4	30.5	28.9	28.2	30.4	32.6	32.3	30.3	27.2	24.9	23.2	22.8	23.6	26.1	30.5	34.2	36.0	36.8	36.5	34.8	32.4	30.8	29.3	30.1
13	Q	30.3	30.3	30.3	30.3	30.4	30.5	30.3	29.7	29.2	28.4	27.4	25.2	23.1	22.9	24.9	30.3	34.6	36.6	37.5	36.5	34.3	32.3	30.5	30.0	30.2
14		30.4	30.5	29.2	26.0	24.6	26.9	26.4	28.5	30.1	28.2	26.9	22.8	21.7	23.2	25.0	31.4	37.3	41.0	41.6	39.1	36.0	32.4	30.1	29.5	30.0
15		30.4	30.5	31.1	31.1	30.5	30.4	29.6	29.1	28.0	25.8	24.8	22.1	20.9	21.8	24.9	30.6	34.5	35.9	36.9	37.1	35.7	33.6	31.3	31.1	29.9
16		31.1	31.6	30.3	30.7	30.5	30.4	30.1	29.4	29.1	27.4	26.0	22.9	20.6	19.9	22.0	27.1	31.5	35.7	37.3	37.2	35.9	34.4	32.7	32.4	29.8
17		32.7	32.5	30.7	26.8	26.2	29.6	29.4	27.3	26.2	26.2	24.6	28.3	24.3	21.9	24.0	30.1	34.5	37.8	40.4	39.1	36.8	34.5	32.6	31.5	30.3
18	D	31.4	31.4	30.6	30.4	30.2	30.4	29.8	29.8	29.6	29.3	27.4	25.3	24.8	22.0	21.9	24.9	30.5	33.8	29.6	40.0	40.7	39.1	34.7	33.3	30.5
19	D	30.7	26.8	29.7	29.1	28.4	33.8	36.8	24.4	29.3	28.7	26.5	24.4	23.2	23.4	31.8	32.6	34.8	37.5	36.4	37.8	35.7	31.6	30.7	31.4	30.6
20	D	30.5	31.4	29.6	28.1	29.7	29.4	31.4	35.9	40.3	32.7	30.6	25.2	22.5	24.4	26.5	32.4	33.8	36.1	38.1	38.3	37.1	34.9	29.5	18.7	31.1
21		25.5	21.1	29.3	21.1	29.4	28.5	35.0	37.1	29.4	32.1	32.7	26.1	25.4	25.5	26.6	30.6	33.1	34.9	35.9	35.0	33.1	31.8	31.6	31.5	30.1
22		31.7	31.6	30.9	31.7	31.1	31.0	31.0	30.0	29.9	29.5	28.4	27.5	28.4	27.8	31.8	36.5	40.3	40.6	39.4	38.3	34.8	31.9	31.2	30.4	32.3
23		30.9	31.7	31.9	31.8	31.8	31.3	30.9	30.7	30.2	29.8	28.6	27.5	27.5	27.2	29.5	32.9	36.4	40.2	39.3	37.2	35.7	36.3	34.9	31.9	32.3
24	D	19.0	27.8	32.6	31.1	33.7	30.8	39.6	34.9	34.3	26.5	26.5	24.2	23.4	25.5	29.8	35.4	38.4	40.4	39.6	37.0	34.1	32.9	31.9	30.2	31.6
25	D	27.5	26.5	22.2	29.6	31.1	33.0	36.3	36.4	34.9	28.7	25.7	23.4	22.4	24.2	27.4	34.2	39.6	42.4	40.5	38.5	35.0	31.9	30.6	30.5	31.4
26		26.4	24.1	28.6	31.1	31.8	31.2	35.1	31.8	32.0	28.8	25.2	22.2	21.3	23.5	26.4	32.0	36.4	38.5	38.4	36.1	33.5	32.8	31.8	31.8	30.5
27		31.2	31.0	30.6	31.4	31.1	31.1	32.0	33.5	30.0	27.9	26.5	25.6	25.3	26.6	31.9	37.3	40.1	42.5	41.9	39.5	36.0	32.9	31.7	29.9	32.4
28	Q	29.0	30.9	30.8	31.2	31.7	32.3	31.1	30.8	29.8	28.9	27.9	25.4	23.8	24.4	27.9	33.2	37.5	40.5	40.8	38.4	34.2	31.7	29.9	29.9	31.3
29		31.1	31.1	30.6	31.0	29.8	30.8	31.7	30.1	28.8	28.4	26.6	23.7	23.3	23.5	27.1	32.8	37.1	39.6	41.0	40.7	36.3	32.1	30.5	30.6	31.2
30		30.0	27.6	22.6	30.0	31.4	31.1	30.6	29.6	30.9	29.9	27.6	25.5	25.0	26.5	30.2	35.0	38.4	40.5	40.5	39.5	36.1	33.1	31.8	31.9	31.5
31		30.8	29.5	30.9	30.8	30.5	27.3	30.9	29.7	31.7	28.6	24.6	22.2	26.3	26.8	29.7	32.9	36.2	38.8	39.4	38.3	36.0	34.2	31.6	29.9	31.1
MEAN ALL		29.8	29.8	29.7	29.5	29.9	30.2	31.2	30.5	30.0	28.4	26.9	24.6	23.6	24.2	27.0	31.9	35.8	38.3	38.4	37.7	35.3	33.3	31.4	30.2	30.7
MEAN Q		30.1	30.7	30.7	30.4	30.4	30.6	30.3	29.9	29.1	28.3	27.3	25.3	23.7	24.4	27.0	31.5	35.4	37.9	38.3	36.9	34.2	32.3	30.6	29.9	30.6
MEAN D		27.8	28.8	28.9	29.6	30.6	31.5	34.8	32.3	33.7	29.2	27.3	24.5	23.3	23.9	27.5	31.9	35.4	38.0	36.8	38.3	36.5	34.1	31.5	28.8	31.0

## VERTICAL INTENSITY

TABLE 24		AGINCOURT																				AUGUST 1965					
		Z = 56000 + TABULAR VALUES IN GAMMAS																									
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
		T0 1	T0 2	T0 3	T0 4	T0 5	T0 6	T0 7	T0 8	T0 9	T0 10	T0 11	T0 12	T0 13	T0 14	T0 15	T0 16	T0 17	T0 18	T0 19	T0 20	T0 21	T0 22	T0 23	T0 24		
1		42	43	43	39	41	42	43	43	41	43	43	44	44	43	36	32	25	19	25	33	44	46	47	43	39	
2		41	40	40	38	38	37	35	31	24	21	25	23	19	24	19	24	25	20	26	37	43	43	53	53	32	
3		51	47	46	45	46	51	47	44	41	42	45	41	36	30	33	31	26	25	25	33	45	46	45	49	40	
4		47	49	49	47	44	42	39	35	41	42	43	41	41	41	35	34	39	39	45	50	51	52	53	47	44	
5	Q	42	41	40	40	40	40	40	40	40	40	40	40	40	34	30	30	30	30	35	39	44	49	52	46	39	
6	Q	44	41	42	40	35	39	40	40	43	41	41	40	35	33	35	36	35	38	45	45	48	49	45	42	40	
7		39	39	37	37	38	37	35	32	35	37	37	34	31	30	28	25	22	26	29	39	41	45	45	41	35	
8		39	39	32	21	28	34	35	36	37	37	38	37	34	35	34	37	33	31	33	39	50	51	48	39	37	
9		38	37	36	36	32	32	33	36	36	37	37	36	32	33	29	28	27	32	39	43	49	53	49	42	37	
10	Q	36	33	35	33	33	30	33	36	36	35	30	26	26	27	27	33	35	32	32	36	38	37	37	38	33	
11		42	43	36	30	35	36	33	32	34	37	37	35	33	31	30	30	26	26	30	30	37	42	46	44	35	
12		38	37	37	35	19	26	10	16	26	32	36	37	32	31	28	27	29	28	33	40	38	43	41	43	32	
13	Q	37	37	37	36	36	36	37	36	37	36	37	37	37	37	35	31	29	26	31	33	37	33	36	36	35	
14		35	36	38	30	24	31	27	37	41	37	42	42	42	43	41	37	37	37	44	53	57	63	58	48	41	
15		42	41	38	37	37	37	37	35	31	30	36	35	35	33	35	37	38	37	41	42	40	38	42	41	37	
16		37	37	37	37	35	36	35	35	35	36	38	38	34	31	32	32	29	27	27	30	35	38	37	41	34	
17		35	35	36	37	36	42	37	26	32	38	38	24	11	26	26	30	25	27	35	38	42	43	47	46	34	
18	D	47	44	42	38	37	38	36	38	38	38	42	42	39	38	34	29	28	28	28	43	71	77	64	53	42	
19	D	55	72	57	42	24	-73	-87	-79	4	33	45	44	38	31	30	27	34	42	54	60	66	69	60	50	29	
20	D	49	47	42	35	36	31	32	11	-12	-0	19	20	22	32	36	36	38	38	49	54	57	61	70	65	36	
21		59	49	49	31	8	28	28	13	20	28	37	38	34	38	42	44	49	53	53	53	53	49	48	44	39	
22		44	43	43	42	43	41	39	39	39	41	44	41	40	37	34	39	39	43	45	50	54	58	59	54	44	
23		56	50	47	45	44	45	44	44	44	44	45	44	43	39	38	37	35	39	40	43	50	65	61	66	46	
24	D	73	55	51	45	41	33	17	1	12	28	44	47	45	45	42	42	43	47	50	54	57	60	65	72	44	
25	D	61	62	57	51	45	30	24	24	34	49	52	50	46	45	44	49	46	50	51	61	62	57	57	56	48	
26		56	42	44	45	44	40	27	36	41	43	50	49	49	45	44	44	46	46	48	49	49	51	48	47	45	
27		47	45	45	44	45	45	45	42	45	46	47	50	46	44	41	41	45	45	49	52	58	58	54	52	47	
28	Q	52	48	47	47	46	45	45	46	46	46	47	50	50	48	46	41	42	45	47	46	47	47	46	46	46	
29		46	46	47	47	45	47	42	41	47	49	50	49	48	48	47	46	43	41	45	52	46	48	48	46	46	
30		46	51	58	55	49	47	45	29	36	43	50	52	52	48	46	45	42	43	46	49	48	49	47	48	47	
31		49	51	55	55	30	33	49	47	34	17	36	38	44	43	46	41	42	43	49	56	60	55	55	54	45	
MEAN ALL		46	44	43	40	37	34	32	30	33	36	40	40	37	37	36	35	35	36	40	45	49	51	50	48	40	
MEAN Q		42	40	40	39	38	38	39	39	40	39	39	39	37	36	35	34	34	34	38	40	43	43	43	41	39	
MEAN D		57	56	50	42	37	12	4	-1	15	30	40	41	38	38	37	37	38	41	46	54	62	65	63	59	40	

HORIZONTAL INTENSITY

TABLE 25		AGINCOURT																							H = 15500 + TABULAR VALUES IN GAMMAS		SEPTEMBER					1965
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN						
	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
1		606	605	606	605	607	605	600	606	602	603	606	602	596	585	578	579	585	596	606	606	611	621	612	611	602						
2		608	607	598	602	608	610	606	605	603	602	601	594	586	582	580	574	573	580	591	603	603	606	601	605	597						
3		608	608	608	606	607	606	606	606	604	606	606	602	596	585	569	569	586	608	616	613	609	608	624	618	603						
4		601	608	602	610	617	609	609	602	613	617	619	602	597	602	590	581	585	591	592	606	615	608	605	600	603						
5		603	602	602	602	605	603	589	602	603	602	602	597	589	576	570	569	582	600	614	614	607	611	611	608	598						
6		604	602	603	609	611	606	608	607	605	606	605	602	591	578	570	557	567	602	614	622	618	613	606	606	600						
7		607	609	611	609	606	606	610	608	607	606	607	606	598	585	568	570	577	601	613	619	618	614	600	599	602						
8	Q	608	606	608	613	606	606	606	605	606	607	602	598	588	578	570	575	580	587	598	606	609	611	608	607	599						
9	Q	609	609	608	608	606	603	606	607	607	608	606	602	590	576	570	578	589	602	613	615	613	606	600	607	602						
10	Q	611	611	611	608	607	607	607	609	608	607	608	604	597	587	580	575	586	606	618	619	614	610	612	614	605						
11		614	614	614	613	613	613	614	614	613	613	613	611	601	584	569	569	586	608	621	625	635	633	621	622	609						
12		614	607	606	602	603	606	608	606	606	606	606	606	595	580	570	568	574	584	606	619	624	623	622	622	603						
13		576	585	598	606	605	606	607	608	608	607	606	603	595	580	570	571	580	594	611	619	623	617	612	607	600						
14	Q	606	608	606	606	605	607	606	606	607	607	606	599	592	580	575	580	587	597	607	612	607	606	602	606	601						
15		606	602	602	601	600	591	595	597	601	600	606	603	591	574	557	553	554	567	586	608	624	602	586	560	590						
16	D	554	551	575	584	590	602	597	592	520	578	585	591	569	589	580	569	568	575	575	590	601	592	581	585	579						
17	D	589	594	599	600	606	597	589	580	584	580	595	593	585	580	573	562	562	584	591	605	591	602	595	580	588						
18		578	589	595	590	597	584	592	595	595	597	600	597	586	570	558	572	575	582	592	591	597	590	582	575	587						
19	D	595	597	601	606	600	598	597	591	597	605	606	600	580	582	579	569	569	575	590	601	596	595	602	602	593						
20		600	603	602	600	597	597	595	595	597	601	601	600	595	587	580	579	580	586	591	595	591	600	597	597	594						
21		593	592	597	602	602	603	603	605	606	606	606	603	596	590	584	580	584	591	600	606	606	603	605	607	599						
22		607	603	606	605	602	596	602	595	597	609	612	607	601	595	589	591	599	612	624	625	625	619	618	619	606						
23		622	619	617	614	613	614	614	618	617	617	614	611	602	586	586	580	595	608	622	613	613	609	606	607	609						
24		609	613	610	602	610	609	602	602	589	602	606	600	587	580	578	586	595	603	608	611	611	611	613	607	602						
25		607	598	584	585	589	574	589	595	597	601	603	600	589	569	554	562	562	581	597	602	612	607	613	608	591						
26		608	608	606	602	592	591	580	585	585	590	597	600	584	565	567	570	577	586	595	606	612	619	618	600	593						
27	D	586	584	597	602	601	600	601	602	606	607	610	608	602	589	570	564	569	573	586	600	592	600	591	568	592						
28	D	559	553	548	561	555	541	575	564	558	564	593	598	576	570	570	565	572	576	596	612	595	601	610	606	576						
29		604	603	602	601	598	598	599	596	591	601	601	596	592	586	574	563	571	590	603	607	603	604	601	598	595						
30	Q	605	605	604	602	602	603	603	602	604	604	603	602	598	590	582	571	571	582	592	602	605	605	608	608	598						
MEAN ALL		600	600	601	602	602	600	600	600	598	602	604	601	591	582	574	572	578	591	602	609	609	608	605	602	597						
MEAN Q		608	608	607	608	605	605	606	606	606	606	605	601	593	582	575	576	583	595	606	611	610	608	606	608	601						
MEAN D		576	576	584	591	590	588	592	586	573	587	598	598	582	582	574	566	568	577	588	602	595	598	596	588	586						

AGINCOURT MAGNETIC OBSERVATORY 1965

DECLINATION

TABLE 26		AGINCOURT																				D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES		SEPTEMBER					1965
DAY	HOUR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
	UT	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To	To			
1		30.0	30.9	31.9	31.8	30.8	35.0	34.8	32.3	27.8	27.4	26.8	26.3	25.6	27.4	29.8	34.2	37.2	37.9	37.8	37.2	34.0	31.8	31.7	31.9	31.8			
2		32.7	30.5	30.0	31.0	32.2	30.8	29.9	29.9	29.6	28.9	28.4	26.6	27.9	27.8	30.5	33.0	36.0	38.0	38.4	37.1	34.8	32.9	31.7	31.8	31.7			
3		31.6	31.6	31.5	31.4	31.3	30.9	30.6	30.4	29.7	29.6	28.5	27.1	26.2	26.7	29.9	34.4	36.2	37.0	36.2	34.0	32.1	31.8	32.2	32.4	31.4			
4		33.1	33.3	32.8	32.6	32.8	31.4	28.0	27.6	26.8	24.9	24.4	26.2	33.7	31.0	32.9	35.8	38.1	40.2	41.5	38.1	34.3	32.5	30.7	29.7	32.2			
5		29.9	27.8	29.1	29.4	25.3	29.5	30.5	32.5	29.3	26.5	26.2	25.1	23.3	24.9	28.1	33.2	36.5	38.1	38.8	38.8	35.9	33.1	32.0	31.5	30.6			
6		28.3	31.3	30.5	31.0	30.7	29.9	31.3	29.5	29.3	29.1	27.1	25.2	24.2	25.2	28.5	34.7	41.2	42.3	40.0	36.5	33.6	31.4	30.5	30.7	31.3			
7		31.1	30.6	31.2	30.4	29.9	31.3	31.3	29.1	28.2	28.2	28.2	26.8	27.0	27.8	30.1	34.9	40.0	40.8	38.3	34.9	32.5	30.8	30.4	31.3	31.5			
8	Q	30.6	31.5	30.1	30.5	31.2	31.2	30.4	29.5	29.2	28.4	27.9	26.2	26.2	28.2	31.5	37.1	39.9	40.2	39.1	36.8	32.6	30.4	30.3	30.6	31.6			
9	Q	31.2	31.3	30.3	31.6	31.4	31.3	31.0	30.1	29.4	29.2	28.4	27.3	27.0	28.0	30.3	34.4	37.0	38.0	37.9	35.4	32.8	31.5	31.3	32.3	31.6			
10	Q	31.2	31.2	31.0	30.6	30.1	30.4	30.1	29.4	29.3	29.3	28.2	26.9	25.2	27.1	30.5	34.7	37.7	38.5	37.7	34.7	31.5	30.1	30.3	30.6	31.1			
11		30.8	30.7	30.6	30.6	30.4	30.1	29.5	29.2	29.1	27.5	28.0	25.2	24.0	24.6	27.4	32.5	36.0	36.8	36.5	34.4	31.4	30.6	30.6	32.6	30.4			
12		32.6	33.5	26.2	26.1	29.4	30.5	31.1	29.4	28.3	27.8	27.0	25.1	24.0	25.0	29.4	34.5	37.7	40.3	41.2	37.7	33.6	31.3	30.2	30.0	30.9			
13		25.9	30.2	30.2	29.4	30.7	31.1	30.6	29.5	29.4	27.7	27.7	26.3	24.2	25.3	29.0	33.8	37.5	39.2	38.2	35.3	32.9	30.8	30.7	30.8	30.7			
14	Q	31.1	31.0	31.4	31.5	31.5	31.7	31.5	30.7	30.5	30.3	29.4	28.5	27.1	26.4	29.6	34.1	37.9	40.1	39.3	37.0	34.1	31.8	29.8	30.5	32.0			
15		30.6	30.7	30.7	30.1	29.6	29.5	30.0	28.3	26.1	26.5	26.8	27.2	25.8	26.3	29.8	32.4	37.3	39.0	46.5	42.4	41.6	42.2	41.1	36.1	32.8			
16	D	31.8	28.4	23.7	33.8	30.5	32.2	31.1	27.4	41.5	25.4	25.4	27.3	34.9	30.1	28.4	35.1	34.0	35.0	37.2	36.3	34.0	33.9	31.6	29.5	31.6			
17	D	30.5	26.5	30.9	31.5	33.6	40.8	30.7	32.9	33.9	31.6	29.6	27.8	27.9	30.4	30.2	34.1	37.0	35.1	35.3	35.0	34.1	31.9	32.8	29.7	32.3			
18		32.2	31.6	30.7	28.6	29.7	28.7	29.5	30.0	29.7	29.9	28.5	27.4	26.6	28.4	34.8	39.4	38.0	39.2	39.1	36.2	33.9	23.3	32.9	33.2	31.7			
19	D	32.8	31.9	32.7	35.4	34.5	29.6	28.2	29.0	25.6	25.5	27.4	27.3	31.1	32.3	31.6	34.8	38.3	40.2	36.2	35.0	33.1	30.9	31.8	31.9	32.0			
20		31.0	31.7	31.8	32.0	31.9	31.7	31.9	32.8	30.0	29.3	29.0	28.1	27.9	29.5	30.9	33.0	35.0	35.0	34.7	34.2	33.9	32.9	30.9	31.6	31.7			
21		30.8	28.4	30.9	32.7	32.0	31.2	30.4	30.4	30.0	29.8	29.6	28.8	28.6	28.9	30.9	33.8	35.4	36.1	35.0	32.8	30.9	30.0	30.5	31.2	31.2			
22		31.5	31.6	30.8	31.5	31.7	30.8	31.1	27.6	29.6	27.7	28.3	27.7	27.7	28.5	30.4	32.9	35.3	36.2	36.9	35.0	33.3	32.2	32.7	32.8	31.4			
23		31.9	31.7	32.6	31.5	30.7	30.4	30.4	29.6	27.6	26.6	26.5	26.4	25.5	26.2	32.6	35.8	39.8	42.1	39.1	35.0	31.8	30.7	31.8	32.6	31.6			
24		31.7	31.5	30.7	30.8	32.4	42.6	31.5	27.5	29.3	27.7	25.5	25.4	27.2	28.3	31.9	35.8	37.3	38.0	36.3	34.7	32.9	30.7	31.9	32.9	31.9			
25		32.8	25.0	21.0	32.2	30.6	31.4	30.9	30.0	29.4	29.3	28.4	26.9	25.0	26.3	30.6	36.0	34.8	36.2	36.0	34.9	33.3	31.5	30.7	31.5	30.6			
26		30.7	30.9	31.6	27.5	28.4	28.6	30.0	28.2	29.4	25.0	27.4	26.3	25.0	27.0	31.1	34.9	36.9	38.1	38.9	35.9	32.8	32.1	32.6	30.1	30.8			
27	D	27.5	30.3	29.4	30.6	31.1	31.0	31.3	30.5	29.9	29.3	28.6	27.1	25.1	26.2	27.5	29.7	32.6	37.2	39.8	41.5	40.4	41.6	41.2	36.2	32.3			
28	D	13.4	23.2	22.0	23.7	26.2	40.3	30.9	26.3	36.9	36.1	33.9	24.0	25.4	27.4	28.1	30.9	33.9	37.9	38.1	38.3	38.2	33.6	32.0	31.5	30.5			
29		31.4	30.9	30.7	30.9	30.8	30.3	29.4	27.4	29.4	28.5	28.4	28.6	28.5	28.5	30.2	33.6	34.8	36.6	36.0	35.2	33.9	32.9	32.6	29.7	31.2			
30	Q	31.7	31.5	31.4	29.8	31.5	31.5	30.5	31.6	30.7	29.6	29.6	29.4	28.5	28.3	28.6	30.6	32.7	35.7	36.7	36.6	34.6	32.9	32.6	32.0	31.6			
MEAN ALL		30.4	30.4	29.9	30.7	30.8	31.9	30.6	29.6	29.8	28.4	28.0	26.8	26.9	27.6	30.2	34.2	36.7	38.2	38.1	36.2	34.0	32.1	32.1	31.6	31.5			
MEAN Q		31.2	31.3	30.8	30.8	31.2	31.2	30.7	30.3	29.8	29.4	28.7	27.7	26.8	27.6	30.1	34.2	37.1	38.5	38.1	36.1	33.1	31.4	30.8	31.2	31.6			
MEAN D		27.2	28.1	27.7	31.0	31.2	34.8	30.4	29.2	33.5	29.6	29.0	26.7	28.9	29.3	29.2	33.3	35.1	37.1	37.3	37.2	35.9	34.4	33.9	31.8	31.7			

VERTICAL INTENSITY

TABLE 27		AGINCOURT																							1965	
		Z = 56000 + TABULAR VALUES IN GAMMAS																							SEPTEMBER	
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1		53	53	52	52	50	35	18	20	39	46	48	48	46	45	42	43	47	50	57	53	53	56	52	51	46
2		52	46	51	48	40	40	45	47	48	47	50	51	48	47	46	45	45	47	52	58	58	62	59	53	49
3		51	50	49	49	48	47	47	47	47	48	50	52	52	50	47	40	38	45	51	56	55	52	53	52	49
4		55	62	66	59	53	41	52	57	54	51	49	43	25	25	26	35	39	46	53	63	65	62	59	57	50
5		58	54	52	51	40	41	36	41	48	48	50	48	48	51	49	49	48	48	53	54	54	58	57	53	49
6		53	52	52	48	43	48	49	50	50	49	49	49	48	46	41	37	48	52	52	58	60	60	59	54	50
7		53	51	51	50	53	49	46	49	49	49	52	52	49	49	47	42	49	54	54	53	53	54	59	58	51
8	Q	55	53	50	44	49	51	50	50	50	49	53	54	52	55	55	55	56	59	61	60	54	53	50	50	53
9	Q	50	50	49	49	50	50	50	50	50	50	51	53	54	49	48	50	55	55	55	57	56	55	52	53	52
10	Q	51	50	50	50	49	50	50	50	49	50	50	53	49	49	49	48	44	49	56	57	56	53	50	50	50
11		50	50	49	49	49	51	50	50	49	49	50	51	50	46	44	43	43	44	49	50	52	50	46	49	49
12		54	62	63	51	56	54	54	53	52	51	53	54	51	50	49	48	49	52	56	56	55	56	52	56	54
13		63	67	61	52	54	54	51	51	50	50	54	55	54	50	49	46	46	50	54	60	57	56	54	52	54
14	Q	51	51	51	51	51	50	51	51	51	51	51	53	52	49	45	42	44	46	51	56	55	56	57	56	51
15		56	55	54	52	51	47	45	40	40	49	52	52	50	50	45	44	40	46	61	68	73	91	118	134	59
16	D	153	129	52	29	57	56	45	1	-78	2	51	63	49	58	54	58	55	57	68	75	72	78	83	80	56
17	D	69	63	58	57	50	13	17	19	17	16	42	52	50	52	51	58	63	62	62	66	69	79	73	79	52
18		79	71	66	63	33	40	57	62	59	56	57	57	57	55	55	56	58	67	69	78	86	96	90	83	65
19	D	73	68	64	30	40	54	40	11	34	52	56	54	50	47	50	50	57	63	73	72	73	69	67	64	55
20		58	58	57	57	57	57	56	51	53	52	52	53	53	53	55	57	61	61	62	63	64	67	67	63	58
21		62	59	58	61	57	57	57	57	55	52	55	55	55	55	56	54	61	63	63	67	64	62	62	57	59
22		57	57	56	55	54	55	55	53	58	56	56	54	53	53	55	55	56	56	53	52	55	51	52	51	54
23		50	51	51	50	51	51	52	49	51	50	50	52	50	50	50	45	50	55	51	52	56	57	57	56	52
24		54	52	53	57	50	19	40	41	44	50	52	52	52	53	49	45	45	49	52	57	55	53	56	55	49
25		57	56	50	57	57	44	62	63	62	62	61	61	57	53	52	56	58	62	61	62	62	61	61	58	58
26		56	56	57	48	49	40	38	39	43	45	57	56	54	55	56	51	49	49	50	51	52	59	62	72	52
27	D	84	84	71	62	60	57	57	57	57	56	57	56	56	54	49	46	43	49	56	67	43	144	177	168	71
28	D	189	62	79	88	61	16	11	17	28	9	5	26	40	57	57	54	51	49	51	60	67	67	63	61	53
29		61	60	60	60	61	61	57	51	50	54	56	57	57	57	56	57	60	56	59	62	61	62	62	63	58
30	Q	61	59	58	56	54	60	58	57	56	56	57	60	56	56	58	57	58	61	62	60	59	58	57	56	58
MEAN ALL		66	60	56	53	51	46	47	44	44	47	51	53	51	51	50	49	50	53	57	60	60	65	65	65	54
MEAN Q		53	53	52	50	51	52	52	52	51	51	52	55	53	52	51	50	51	54	57	58	56	55	53	53	53
MEAN D		114	81	65	53	54	39	34	21	12	27	42	50	49	54	52	53	54	56	62	68	65	87	93	90	57

AGINCOURT MAGNETIC OBSERVATORY 1965



TABLE 28		AGINCOURT																				OCTOBER		1965			
		H = 15500 + TABULAR VALUES IN GAMMAS																									
DAY	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
		T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1		609	609	608	608	609	609	610	613	613	610	610	612	605	597	588	582	587	598	608	614	616	614	611	619	607	
2	U	615	591	599	608	615	612	593	608	608	607	608	600	593	590	582	575	592	602	615	599	605	597	582	601	600	
3		605	607	605	603	604	602	604	603	602	604	608	608	599	593	586	582	586	597	605	613	613	613	608	609	602	
4	Q	608	605	608	609	604	605	606	605	605	607	608	604	599	594	590	586	587	593	604	610	612	612	610	612	603	
5		613	615	621	625	621	620	611	621	620	620	620	621	614	597	600	598	593	598	608	613	615	613	615	615	613	
6	Q	615	615	613	611	610	610	610	610	610	610	612	610	604	596	587	580	582	593	607	611	611	611	614	615	606	
7		615	614	614	614	614	614	614	618	618	631	626	625	618	604	592	587	598	613	624	625	624	623	621	618	615	
8	U	619	618	618	629	627	625	625	620	614	614	614	607	598	586	581	590	599	618	621	618	607	608	597	609	611	
9		612	603	603	604	606	607	605	606	608	611	610	605	597	588	579	580	591	608	618	619	613	614	614	617	605	
10		617	614	613	613	613	612	611	609	613	613	613	608	600	590	581	584	592	602	613	618	612	616	617	617	608	
11		618	613	613	613	611	613	612	612	611	613	613	614	608	602	591	586	586	592	597	606	613	618	618	618	608	
12		608	603	607	615	611	608	609	611	612	613	613	611	606	598	586	575	575	586	597	600	611	617	619	618	604	
13		615	612	611	610	609	610	617	614	613	614	618	624	616	612	599	592	589	594	590	597	603	615	617	616	609	
14		613	610	611	602	607	605	606	610	612	606	607	610	602	591	580	576	579	585	596	606	612	613	607	602	602	
15	Q	607	607	610	610	610	608	610	611	612	612	612	611	607	601	590	580	574	579	587	596	604	611	613	616	603	
16	Q	616	616	616	616	613	612	616	616	616	615	616	615	612	606	596	586	583	587	596	605	610	613	615	617	609	
17		617	617	616	615	615	617	617	617	618	618	617	619	614	607	597	592	591	598	608	616	623	624	624	627	613	
18		622	615	619	619	623	617	613	612	613	608	619	622	619	611	599	595	596	601	603	608	615	619	619	619	613	
19		620	620	619	619	616	615	616	618	619	619	620	620	618	609	598	589	585	596	604	613	618	619	620	621	613	
20		621	620	619	619	617	616	616	620	620	622	625	623	617	607	598	593	593	598	606	612	609	616	620	623	614	
21	Q	624	621	619	616	614	615	615	616	620	621	622	621	616	609	599	592	591	597	607	615	621	621	621	619	614	
22		619	623	626	624	626	626	627	624	624	632	627	625	626	620	613	597	588	599	598	628	633	621	625	624	620	
23	U	616	611	613	609	605	599	583	595	605	609	616	620	601	585	589	597	593	589	604	594	588	588	592	596	600	
24	U	600	580	591	607	596	600	606	607	611	615	614	615	611	604	589	563	572	590	596	607	611	616	609	605	601	
25		595	595	590	595	593	606	607	604	605	610	612	624	617	606	579	584	585	607	612	616	619	612	607	606	603	
26		605	602	604	611	612	613	616	617	615	615	617	617	611	606	596	590	597	607	615	617	616	617	618	617	610	
27		621	621	618	617	617	615	613	617	621	621	622	620	610	596	583	586	590	601	612	622	626	623	621	622	613	
28	U	598	601	599	613	618	618	621	620	621	617	613	602	590	599	590	582	579	585	590	604	606	606	612	615	604	
29		606	613	612	612	611	612	612	612	613	616	617	617	615	607	599	591	588	590	598	610	617	611	612	618	609	
30		617	618	618	613	610	617	606	605	606	607	615	615	611	606	596	590	587	594	606	611	611	619	617	621	609	
31		619	619	615	618	617	615	617	617	621	621	623	623	621	612	600	590	584	590	592	604	606	606	613	615	611	
MEAN ALL		613	611	611	613	612	612	611	612	613	615	616	615	609	601	592	586	587	596	604	610	613	614	613	615	608	
MEAN Q		614	613	613	612	612	610	611	611	612	613	614	612	607	601	592	585	583	590	600	607	612	614	615	616	607	
MEAN U		609	600	604	613	612	611	606	610	612	612	613	609	599	593	586	582	587	597	605	604	603	603	598	605	603	

## DECLINATION

TABLE 29		AGINCOURT																				OCTOBER 1965				
		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	
1		31.7	31.5	31.5	31.5	31.4	31.2	31.1	30.9	30.7	30.4	29.8	28.7	27.5	27.9	29.6	31.8	34.0	35.2	35.0	34.0	33.0	32.7	32.8	32.6	31.5
2	D	32.6	31.0	31.8	30.7	29.6	29.6	25.4	27.6	26.6	27.8	27.6	26.4	27.6	25.5	29.4	34.1	37.1	36.8	36.3	36.0	35.8	37.1	33.4	32.9	31.2
3		31.7	31.4	31.0	31.5	30.7	30.7	30.8	30.6	30.4	29.7	28.5	28.2	27.9	28.3	29.6	32.6	34.1	35.9	35.9	34.0	32.9	32.7	32.8	32.6	31.4
4	Q	31.8	31.8	31.3	30.9	31.1	31.5	31.1	30.9	30.8	30.7	30.7	29.7	28.9	28.6	28.6	29.8	31.8	33.8	33.9	32.9	32.0	32.0	32.6	31.9	31.2
5		31.7	31.6	31.0	30.9	30.8	29.8	29.9	28.6	28.4	28.9	28.9	27.7	25.5	27.3	32.8	31.9	33.8	35.1	36.1	35.0	33.9	32.8	31.9	31.8	31.1
6	Q	31.9	31.7	31.5	31.6	31.7	31.7	31.2	31.0	30.9	30.8	30.8	30.0	28.9	28.0	27.8	29.7	32.1	35.1	35.5	34.4	33.1	32.0	31.9	32.0	31.5
7		31.7	31.2	31.1	31.4	31.5	31.3	31.1	30.9	30.6	28.7	27.9	27.6	25.7	25.1	25.8	29.8	34.9	37.1	36.2	34.2	32.8	31.9	32.0	32.9	31.0
8	D	32.0	31.2	30.8	31.1	31.0	30.9	30.0	30.5	30.6	30.3	29.8	29.8	28.7	27.9	27.9	32.0	35.0	36.3	36.2	36.0	36.2	34.9	31.8	33.0	31.8
9		32.0	29.7	29.6	31.1	31.1	30.8	31.1	31.5	31.4	29.7	29.4	28.6	27.9	28.6	30.6	32.8	35.5	37.3	36.1	33.1	31.2	31.8	32.1	32.4	31.5
10		31.9	31.8	31.7	31.7	30.9	31.9	30.9	30.1	30.6	29.9	29.8	28.9	28.6	28.7	29.8	32.0	34.7	36.1	35.1	34.2	32.4	31.9	31.9	31.7	31.6
11		31.6	31.8	31.8	31.7	31.3	31.6	31.6	30.9	30.2	30.0	30.3	29.0	27.9	28.1	28.7	30.9	33.3	35.1	36.2	36.2	35.2	33.2	32.2	32.4	31.7
12		33.0	32.4	30.9	30.0	31.6	31.0	31.7	31.4	31.1	30.9	30.7	30.0	29.0	27.6	28.0	31.8	35.2	37.5	37.8	36.3	33.3	31.9	31.8	31.3	31.9
13		31.2	30.7	29.9	31.1	31.9	35.6	31.9	31.0	28.8	28.7	28.9	29.7	27.9	27.0	26.9	29.9	33.2	37.4	39.5	38.3	37.2	34.0	32.2	31.8	31.9
14		31.0	31.8	32.0	29.0	31.0	31.2	31.3	31.0	30.9	30.1	31.1	31.3	28.9	28.3	27.2	27.9	31.0	34.4	36.2	36.1	34.7	33.2	32.4	33.0	31.4
15	Q	32.1	31.9	31.9	31.8	31.1	31.9	31.9	31.5	31.8	31.1	31.2	30.7	29.7	27.9	27.4	27.5	29.8	33.0	35.1	35.5	35.1	34.1	33.1	32.2	31.6
16	Q	31.9	31.3	31.2	31.1	31.2	31.1	31.4	31.0	31.1	30.9	31.0	30.2	29.0	28.4	27.5	28.6	31.8	34.9	36.4	36.4	35.3	34.2	33.1	32.1	31.7
17		31.8	31.6	31.4	31.7	31.8	31.8	31.8	31.6	31.3	31.2	31.0	30.3	29.1	27.9	27.6	28.9	32.0	34.3	35.2	34.4	33.6	33.2	32.9	32.1	31.6
18		31.3	30.7	31.2	31.9	31.8	30.9	27.9	32.9	28.6	31.0	32.0	31.5	32.0	28.8	29.0	31.9	34.2	36.4	37.2	35.8	34.2	33.2	33.0	32.1	32.1
19		31.9	31.9	31.9	31.9	32.0	31.9	31.8	30.7	30.0	30.0	30.7	31.1	30.0	28.8	27.8	31.1	34.1	35.5	36.3	35.2	33.5	32.7	32.0	31.8	31.9
20		31.7	31.3	31.5	31.5	31.5	31.1	31.0	30.3	30.4	29.9	30.9	29.8	28.8	27.3	26.8	28.7	32.0	34.3	34.7	34.3	33.4	33.0	32.2	31.9	31.2
21	Q	31.8	31.8	31.2	31.1	30.6	31.7	31.7	32.9	31.8	30.6	30.9	31.1	30.0	28.8	27.8	28.7	31.3	34.1	34.6	34.2	33.1	31.8	32.0	32.1	31.5
22		31.9	31.3	31.1	31.2	31.1	31.1	31.0	30.7	33.0	29.0	29.0	30.1	28.6	27.5	27.0	28.0	30.7	38.3	41.7	38.6	37.4	35.6	36.1	36.4	32.3
23	D	34.1	32.0	31.1	28.6	26.8	24.5	23.4	27.6	30.0	28.9	29.5	26.8	28.9	34.1	33.0	30.7	33.0	35.1	35.0	36.2	34.9	34.3	33.1	31.9	31.0
24	D	31.1	26.7	29.9	29.1	28.1	31.9	33.1	36.2	30.9	29.8	30.9	30.7	28.7	27.8	28.2	32.0	35.2	36.5	38.5	37.2	35.5	33.2	30.4	29.0	31.7
25		28.8	27.9	27.5	29.1	28.4	34.0	31.3	31.9	30.7	30.7	33.1	30.4	28.9	28.3	30.4	34.0	37.4	40.7	39.7	37.1	35.0	34.0	33.0	33.1	32.3
26		29.1	21.0	29.7	31.0	31.9	32.4	32.5	32.0	32.1	32.5	31.1	30.6	29.0	27.9	28.3	31.2	34.6	36.5	36.3	34.5	33.2	32.5	32.2	30.4	31.4
27		30.4	31.2	30.7	31.0	31.2	31.4	31.2	31.1	30.1	30.0	29.8	29.1	28.1	28.7	29.0	30.7	33.8	36.3	36.6	35.9	34.3	33.2	32.6	32.0	31.6
28	D	24.5	24.5	30.1	30.9	31.2	32.2	32.9	31.0	30.2	31.6	32.1	36.4	35.2	29.7	26.9	28.9	32.2	34.9	36.3	36.3	36.3	34.1	33.2	32.4	31.8
29		30.1	29.9	30.9	31.2	31.0	31.8	31.2	31.3	31.6	31.2	31.1	31.0	29.9	28.6	27.6	28.5	31.1	34.3	36.1	36.1	35.3	34.4	34.3	33.1	31.7
30		32.1	29.9	31.0	30.4	29.8	31.5	28.0	28.6	29.8	35.1	31.0	30.7	30.1	28.8	27.9	29.9	33.3	36.1	36.4	36.3	35.2	33.8	33.4	33.0	31.8
31		32.0	31.9	28.8	32.1	31.6	31.0	31.2	31.1	31.3	31.1	31.1	30.6	29.5	27.6	27.5	29.1	35.3	38.5	39.3	38.3	37.6	35.8	35.5	32.1	32.5
MEAN ALL		31.4	30.5	30.9	31.0	30.9	31.3	30.7	30.9	30.5	30.4	30.3	29.9	28.9	28.2	28.5	30.5	33.5	35.9	36.5	35.6	34.4	33.4	32.7	32.3	31.6
MEAN Q		31.9	31.7	31.4	31.3	31.1	31.6	31.5	31.4	31.3	30.8	30.9	30.3	29.3	28.3	27.8	28.9	31.4	34.2	35.1	34.7	33.7	32.8	32.5	32.1	31.5
MEAN D		30.9	29.1	30.7	30.1	29.3	29.8	29.0	30.6	29.7	29.7	30.0	30.0	29.8	29.0	29.1	31.6	34.5	35.9	36.5	36.3	35.7	34.7	32.4	31.8	31.5

TABLE 30		AGINCOURT																						OCTOBER 1965		
		Z = 56000 + TABULAR VALUES IN GAMMAS																								
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1		56	56	56	56	55	56	55	55	54	52	53	54	52	51	50	51	51	51	51	50	54	51	50	52	53
2	D	53	57	61	57	57	32	56	61	56	56	56	54	51	50	49	51	51	49	53	55	60	82	78	66	56
3		58	56	56	57	57	60	57	56	50	54	54	56	55	54	50	50	49	50	55	56	56	56	56	56	55
4	Q	56	56	56	55	54	56	56	56	56	56	56	56	56	54	52	51	50	49	49	51	54	55	55	56	54
5		55	54	54	52	52	51	53	50	52	51	51	51	50	50	49	46	47	49	49	51	51	52	53	52	51
6	Q	52	52	51	51	51	51	51	51	51	51	52	52	50	48	46	45	46	49	51	51	51	51	51	50	50
7		50	49	49	49	48	49	49	49	47	46	44	46	46	44	40	40	46	40	45	49	49	49	46	47	46
8	D	50	51	55	46	45	44	44	45	45	45	45	46	46	45	39	30	23	29	35	43	46	51	54	52	44
9		50	50	52	51	50	47	47	49	47	47	47	47	49	48	45	41	39	40	44	44	44	45	45	45	46
10		45	45	45	45	45	43	43	45	47	46	46	48	48	46	41	38	36	41	46	47	50	49	46	45	45
11		46	46	46	46	46	46	46	46	46	46	46	46	47	48	47	46	46	46	47	46	46	48	48	47	47
12		49	51	52	46	42	45	46	47	47	47	47	48	51	51	46	41	41	46	48	48	51	51	48	48	47
13		48	48	49	47	46	31	24	35	37	40	37	37	41	42	42	42	41	42	43	52	52	49	49	48	43
14		48	50	47	52	53	50	50	49	49	48	47	48	48	47	44	47	48	48	50	50	53	53	52	50	49
15	Q	51	51	51	50	49	50	50	49	49	49	49	50	51	51	50	50	51	51	53	54	55	54	52	49	51
16	Q	50	50	49	49	49	49	49	46	48	48	48	50	50	50	51	50	45	46	49	51	52	53	51	50	49
17		50	50	50	50	49	47	47	47	47	47	47	49	50	51	50	42	40	44	46	47	47	47	47	46	47
18		47	46	46	46	46	46	40	36	40	45	43	41	43	45	41	43	41	45	45	47	50	49	48	46	44
19		47	47	47	47	47	47	47	47	46	46	45	44	46	47	46	42	41	43	47	51	52	52	48	47	47
20		47	47	47	47	47	47	47	47	46	45	43	46	47	47	47	42	41	42	47	47	47	48	47	46	46
21	Q	46	46	46	47	46	46	46	43	40	41	42	46	47	47	46	41	36	36	39	42	47	46	46	46	44
22		46	46	46	45	45	45	45	43	31	29	36	42	45	43	42	41	40	37	41	47	47	48	54	62	43
23	D	65	64	55	53	37	41	29	53	54	52	52	47	44	44	46	42	35	40	47	52	63	72	70	69	51
24	D	58	62	54	44	52	56	48	42	41	46	50	53	56	52	48	51	53	52	52	56	57	57	58	59	53
25		60	62	56	51	41	23	30	35	41	41	44	42	43	46	45	49	44	46	47	51	53	53	54	58	46
26		57	47	53	52	50	50	50	49	47	47	49	50	51	51	47	40	40	44	46	47	47	46	46	46	48
27		48	47	47	46	46	49	50	50	50	50	46	49	50	50	50	45	46	51	52	50	49	48	46	49	49
28	D	55	55	57	52	51	49	49	49	46	44	35	34	39	48	49	45	46	50	54	57	56	55	52	52	49
29		54	54	51	50	50	49	46	48	49	49	48	49	50	49	48	44	40	40	44	45	46	49	52	52	48
30		51	50	50	49	49	35	24	41	41	43	45	46	47	48	45	42	38	38	40	44	45	49	48	46	44
31		46	47	48	45	45	44	40	39	44	44	44	44	45	45	44	39	40	44	51	57	56	55	55	52	46
MEAN ALL		51	51	51	49	48	46	46	47	46	47	47	47	48	48	47	44	43	44	47	50	51	52	52	51	48
MEAN Q		51	51	50	50	50	50	50	49	49	49	49	51	51	51	49	47	45	45	48	50	52	52	51	50	50
MEAN D		57	58	56	50	48	45	45	50	48	49	48	47	47	48	47	44	42	44	48	53	56	64	62	60	51

HORIZONTAL INTENSITY

TABLE 31		AGINCOURT																				H = 15500 + TABULAR VALUES IN GAMMAS		NOVEMBER		1965
DAY	HOUR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
	UT	T0 1	T0 2	T0 3	T0 4	T0 5	T0 6	T0 7	T0 8	T0 9	T0 10	T0 11	T0 12	T0 13	T0 14	T0 15	T0 16	T0 17	T0 18	T0 19	T0 20	T0 21	T0 22	T0 23	T0 24	
1		614	614	612	613	613	612	612	612	614	614	614	614	612	604	593	586	587	595	602	608	604	613	616	618	608
2		617	616	613	607	611	612	612	612	611	612	615	613	608	595	584	577	579	589	596	606	611	611	611	614	606
3	Q	616	615	613	613	613	613	613	614	616	617	614	612	607	600	595	594	596	606	611	616	617	618	618	618	611
4		617	624	623	623	623	624	623	623	628	628	629	624	613	607	597	599	596	602	611	617	618	622	623	623	617
5	D	623	622	627	628	623	616	614	612	610	612	617	619	615	601	595	596	610	616	620	627	616	614	582	579	612
6	D	582	573	579	554	567	594	595	594	593	600	598	610	607	595	589	590	590	594	594	589	595	590	595	595	590
7		588	581	594	598	600	599	600	600	600	603	606	622	612	605	599	596	593	585	591	596	601	610	612	609	600
8		610	611	611	610	611	612	614	616	616	617	619	618	616	607	600	595	590	595	600	605	606	614	616	610	609
9		611	610	610	610	611	612	612	613	615	613	611	612	611	606	599	590	589	594	605	610	612	615	616	615	608
10	W	615	615	613	611	611	611	615	616	617	617	616	616	613	604	594	594	595	599	605	609	614	619	621	620	611
11		619	617	616	616	616	616	618	620	621	621	621	621	619	611	604	599	597	604	613	616	615	616	622	625	615
12		621	621	621	620	617	616	616	620	621	621	621	621	619	612	606	609	609	615	624	631	633	637	631	626	620
13		622	620	615	608	604	603	609	613	614	614	615	616	616	611	604	599	599	605	605	605	611	595	606	611	609
14		614	612	612	611	611	609	611	612	615	616	616	615	614	609	604	601	598	595	601	606	611	620	620	616	610
15		610	614	611	611	604	610	614	614	615	615	615	615	615	611	604	599	594	593	596	604	614	621	621	621	610
16	Q	620	619	618	614	611	612	612	614	616	616	618	620	616	610	599	594	594	600	609	615	617	620	620	620	613
17		617	617	616	611	616	615	616	615	617	621	620	618	615	607	600	599	598	599	606	611	616	621	624	621	613
18		615	613	612	611	616	622	623	625	625	625	622	620	619	621	616	616	615	611	615	618	621	627	627	627	619
19	D	627	625	624	620	609	611	606	598	612	611	609	616	609	609	606	604	604	604	611	614	610	611	615	611	612
20	D	600	598	583	594	588	584	594	609	600	607	604	615	600	610	601	595	585	578	588	600	601	599	595	593	597
21		589	589	598	592	595	599	600	604	611	612	612	614	612	610	604	595	599	604	609	609	605	610	611	612	604
22		610	606	605	605	606	609	610	610	610	612	614	614	611	605	595	595	597	601	605	615	618	618	618	618	609
23	Q	622	623	617	616	617	616	617	617	616	616	616	619	615	614	602	599	600	605	612	616	617	622	624	622	615
24		617	616	616	617	615	615	613	617	620	617	622	622	621	613	607	607	607	610	615	617	621	622	625	623	616
25		621	618	616	616	616	616	617	620	621	622	623	622	622	616	607	606	603	608	617	626	620	616	622	623	617
26		622	622	621	617	618	617	615	616	616	616	621	621	619	612	601	596	595	600	611	621	623	625	623	627	616
27		622	618	621	618	616	616	616	617	618	618	621	620	617	612	606	605	604	602	600	616	623	627	623	619	616
28	Q	617	616	617	616	614	617	618	622	623	623	622	622	618	617	613	608	607	607	611	617	623	627	628	627	618
29		624	622	618	617	618	618	622	623	623	623	624	624	622	617	613	608	605	607	613	617	618	618	621	622	618
30	D	622	621	622	621	622	623	623	628	629	634	638	634	618	617	634	638	629	622	596	606	601	597	606	596	620
MEAN ALL		614	613	612	611	611	612	613	614	615	616	617	618	614	609	602	600	599	601	606	612	614	616	616	615	611
MEAN Q		618	618	616	614	613	614	615	617	618	618	617	618	614	609	601	598	598	603	610	615	618	621	622	622	614
MEAN D		611	608	607	603	602	605	606	608	609	613	614	619	610	606	605	605	604	603	602	607	605	602	598	595	606

AGINCOURT MAGNETIC OBSERVATORY 1965

## DECLINATION

TABLE 32		AGINCOURT																							NOVEMBER 1965	
		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23	TO 24	
1		31.2	31.4	30.8	30.7	31.5	31.7	31.8	31.7	31.6	31.5	31.5	30.8	29.6	28.0	28.5	30.5	33.0	35.1	36.1	35.6	34.8	34.8	33.9	32.7	32.0
2		31.7	31.8	32.7	31.5	31.0	31.7	31.8	31.0	31.5	30.9	30.5	30.1	28.9	28.8	30.6	32.0	33.8	35.9	36.3	35.7	33.9	32.9	31.5	31.5	32.0
3	Q	30.9	31.2	31.2	31.7	31.7	31.8	31.8	31.8	31.7	31.5	31.0	30.8	29.8	29.5	30.8	33.1	35.9	36.0	34.9	33.4	32.0	32.0	32.4	31.8	32.0
4		31.7	30.8	30.7	31.8	31.7	31.5	31.0	30.6	29.5	28.5	28.3	27.7	29.5	29.6	31.5	31.7	33.9	34.6	34.8	33.5	32.6	31.8	31.7	31.7	31.3
5	D	31.6	31.6	30.9	31.4	31.4	31.0	31.0	30.7	29.7	29.7	28.6	27.7	27.5	27.8	28.9	30.7	35.2	36.8	37.4	37.3	37.0	38.2	38.0	37.4	32.4
6	D	32.0	29.6	24.2	22.4	24.3	27.4	30.4	29.9	30.6	31.5	35.5	32.7	28.7	28.6	29.5	32.0	33.8	34.7	35.9	36.8	35.0	33.9	34.0	25.6	30.8
7		28.2	29.1	29.4	30.7	29.7	30.5	29.8	30.3	32.5	34.5	35.0	30.5	30.0	29.8	30.3	32.7	34.6	36.0	37.8	36.2	35.0	33.3	31.9	30.6	32.0
8		30.9	31.5	31.7	31.7	31.6	31.6	31.6	31.4	30.8	31.3	29.8	29.4	28.7	28.8	29.6	31.5	33.8	34.9	35.8	34.8	34.7	33.1	32.0	31.6	31.8
9		27.6	30.2	30.6	31.5	31.6	31.6	31.5	31.4	30.7	30.0	29.5	30.5	29.3	28.4	28.7	29.6	32.5	34.6	35.0	34.7	32.9	32.0	31.7	31.5	31.2
10	Q	30.7	30.6	30.8	31.3	31.6	31.9	31.7	31.7	31.5	31.1	30.6	30.5	29.5	28.7	28.7	30.4	33.0	34.9	35.1	34.3	32.9	32.5	31.6	31.3	31.5
11		30.8	30.8	30.8	30.8	31.1	31.4	31.5	31.5	31.4	30.9	30.9	30.6	29.7	28.8	28.5	29.5	32.6	34.1	34.8	34.6	33.7	32.6	31.6	30.9	31.4
12		30.7	30.7	30.6	30.9	31.5	31.6	31.6	31.6	31.5	31.1	30.8	30.5	29.6	27.7	28.7	30.3	31.5	32.9	34.7	33.9	32.7	31.9	31.1	30.8	31.2
13		30.7	30.7	30.5	28.5	30.8	31.4	31.7	31.7	31.5	31.1	30.9	30.6	29.6	27.7	27.6	28.7	31.4	33.9	35.7	35.8	35.5	38.1	34.8	31.2	31.7
14		30.7	30.7	30.9	31.4	30.7	30.6	31.4	31.6	30.6	30.9	30.6	30.6	29.6	28.6	28.4	29.4	31.2	33.7	36.7	36.8	34.0	32.8	32.6	31.4	31.5
15		31.4	30.6	30.7	30.7	30.8	31.4	31.6	31.3	31.4	30.9	30.7	30.5	29.5	28.6	27.8	29.3	31.9	34.0	36.1	37.2	34.7	32.5	31.5	31.0	31.5
16	Q	30.7	30.6	30.5	30.6	30.7	31.0	31.5	31.5	31.5	31.4	31.0	30.7	29.7	28.6	27.7	30.0	32.8	34.8	35.7	34.7	32.8	32.5	31.7	30.9	31.4
17		30.8	30.8	30.5	29.1	29.2	31.2	32.4	32.1	32.6	30.7	29.7	29.7	28.5	28.2	28.5	29.7	32.9	34.6	34.8	33.8	32.6	31.9	31.3	31.4	31.1
18		31.4	31.6	30.6	28.7	31.0	31.6	31.6	30.9	30.7	30.6	30.4	31.2	31.3	30.8	30.2	31.9	32.9	34.4	34.7	34.4	32.9	32.6	31.7	30.9	31.6
19	D	30.8	30.6	30.6	30.5	30.6	29.9	29.8	35.2	30.4	26.2	29.5	30.3	31.4	30.9	31.6	33.8	35.9	36.1	37.9	37.7	34.6	32.7	31.4	30.8	32.1
20	D	30.6	27.5	28.6	29.5	29.6	31.4	36.8	32.5	30.2	29.5	29.6	30.6	34.7	30.8	29.7	31.4	34.7	36.8	36.8	37.9	36.2	36.9	35.7	32.7	32.5
21		30.6	29.8	33.8	28.5	28.2	29.4	30.6	32.8	31.6	30.4	30.5	30.6	29.9	28.7	29.7	30.4	31.6	33.7	34.6	34.0	33.1	32.5	31.6	30.9	31.1
22		30.8	30.6	28.6	30.6	31.5	31.2	31.9	31.6	32.6	30.6	30.6	30.8	30.2	29.4	29.3	30.4	32.9	34.5	34.3	32.7	31.6	31.4	31.4	30.6	31.3
23	Q	30.3	30.2	30.4	31.0	31.4	31.3	31.4	31.4	30.6	30.4	30.3	30.4	29.3	27.7	28.5	30.2	32.6	34.9	35.8	34.9	34.0	32.9	31.7	31.3	31.4
24		30.8	30.6	30.8	31.2	30.9	30.4	31.0	30.9	30.4	29.6	29.8	29.7	29.3	28.8	28.5	30.2	31.5	33.3	35.1	33.8	32.8	32.8	31.9	31.2	31.1
25		30.6	30.6	30.8	31.4	31.7	31.6	31.6	31.6	31.4	31.2	30.7	30.5	29.7	28.8	29.3	30.7	33.8	35.6	36.8	36.0	34.7	33.8	31.9	30.8	31.9
26		30.5	30.2	30.3	30.4	30.4	31.0	31.5	31.7	30.7	31.4	30.6	29.5	28.5	28.4	28.0	31.7	34.6	36.9	36.9	35.8	33.8	32.6	31.6	30.8	31.6
27		30.5	30.6	31.4	30.7	30.9	30.9	31.5	32.5	31.9	30.9	30.7	30.8	30.5	29.5	29.5	30.6	32.7	35.0	37.2	36.0	34.8	33.8	32.6	31.4	32.0
28	Q	30.6	30.6	30.7	30.7	30.8	30.9	31.5	31.6	31.1	30.6	30.6	30.5	30.5	29.8	29.5	30.6	32.6	34.1	34.9	34.5	33.7	32.4	31.5	30.7	31.5
29		30.6	30.5	30.6	30.6	30.6	31.5	31.7	31.6	31.4	30.9	30.6	30.6	30.4	30.4	29.8	30.9	32.8	34.8	35.4	33.8	33.5	32.9	31.7	31.4	31.6
30	D	30.7	30.6	30.5	30.6	30.6	30.8	31.5	31.4	31.4	30.9	30.5	30.4	33.9	38.8	38.1	35.7	36.4	35.7	36.2	36.7	37.2	34.9	33.4	29.3	33.2
MEAN ALL		30.7	30.6	30.5	30.4	30.6	31.1	31.6	31.6	31.2	30.7	30.6	30.3	29.9	29.3	29.5	31.0	33.3	34.9	35.8	35.3	34.0	33.3	32.4	31.2	31.7
MEAN Q		30.6	30.6	30.7	31.1	31.3	31.4	31.6	31.6	31.3	31.0	30.7	30.6	29.8	28.9	29.0	30.9	33.4	34.9	35.3	34.4	33.1	32.4	31.8	31.2	31.6
MEAN D		31.1	30.0	28.9	28.9	29.3	30.1	31.9	32.0	30.5	29.6	30.7	30.3	31.2	31.4	31.6	32.7	35.2	36.0	36.8	37.3	36.0	35.3	34.5	31.2	32.2

VERTICAL INTENSITY

TABLE 33		AGINCOURT																				NOVEMBER		1965		
		Z = 56000 + TABULAR VALUES IN GAMMAS																								
HOUR	UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
DAY		T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	T0	MEAN
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1		50	49	48	48	46	46	46	46	45	45	46	46	49	49	46	46	48	50	50	52	50	50	49	49	48
2		49	49	45	48	46	45	45	45	45	45	45	45	47	45	40	39	39	44	50	53	51	50	50	46	46
3	Q	45	45	44	44	44	44	44	44	44	44	44	44	44	40	35	34	34	34	39	44	44	44	44	43	42
4		42	41	41	42	44	41	42	43	41	40	39	35	40	41	41	39	39	40	44	46	45	45	45	43	42
5	D	42	42	41	40	40	41	41	42	44	43	40	41	42	41	41	41	42	41	41	42	47	54	76	87	45
6	D	81	83	70	54	37	35	47	46	43	43	47	47	46	44	42	39	41	42	42	48	53	53	55	53	50
7		53	60	58	53	48	45	38	42	37	29	26	27	34	34	34	34	33	37	44	48	52	48	48	46	42
8		45	45	44	44	44	43	44	44	44	44	43	43	43	43	41	38	41	43	44	46	48	49	48	49	44
9		50	49	49	48	47	44	44	45	44	44	41	44	44	44	43	43	43	44	45	49	49	48	48	46	46
10	Q	46	44	44	45	44	45	44	44	44	44	44	44	45	43	40	39	39	44	49	50	48	45	45	44	44
11		44	44	44	43	43	43	43	43	43	41	40	40	40	39	39	38	37	40	44	45	45	44	44	42	42
12		41	41	41	40	40	40	40	41	41	40	40	41	40	41	41	40	40	40	40	40	40	40	39	38	40
13		39	39	38	40	40	41	42	44	42	41	41	40	41	40	38	36	37	40	44	50	50	56	55	50	43
14		46	45	45	45	43	43	42	40	42	44	42	43	45	43	41	39	35	36	45	51	50	47	46	46	43
15		46	46	46	46	46	47	46	45	45	43	42	42	42	42	40	36	35	38	45	51	50	47	45	43	44
16	Q	42	42	42	42	42	42	42	42	42	41	41	41	42	41	36	30	31	35	42	46	42	41	41	40	40
17		41	41	41	42	40	37	39	40	40	40	40	40	42	39	37	35	35	37	42	47	47	43	43	43	40
18		42	44	44	46	44	42	42	42	41	40	38	39	40	37	32	32	32	37	40	42	42	42	40	38	40
19	D	39	38	38	38	41	39	39	32	21	28	30	35	37	37	36	36	39	42	47	47	45	53	47	42	39
20	D	42	41	43	42	41	36	34	24	26	19	14	19	30	36	36	35	35	40	48	52	53	54	58	58	38
21		54	49	25	37	34	24	26	37	40	41	42	42	43	42	37	35	35	36	42	47	47	46	46	45	40
22		44	44	44	44	44	43	43	43	43	43	43	43	44	44	42	34	35	48	53	54	54	56	56	56	46
23	Q	56	54	54	54	53	53	53	53	53	51	51	48	41	41	42	41	42	45	48	48	47	45	44	44	48
24		44	44	44	44	45	44	45	48	45	43	43	43	42	42	41	38	38	38	43	46	47	44	44	44	43
25		43	43	43	43	42	41	41	42	42	41	41	41	41	39	37	37	38	38	43	44	43	43	44	43	41
26		43	43	43	42	42	41	42	43	42	43	41	42	43	42	38	37	38	41	44	48	47	44	43	43	42
27		43	44	44	43	43	43	43	43	43	43	42	42	43	39	36	34	33	35	42	48	44	43	43	43	42
28	Q	43	44	44	43	43	43	43	43	43	43	42	42	43	41	36	36	36	39	43	47	44	44	43	41	42
29		41	41	41	41	41	43	42	41	40	39	39	38	38	38	36	37	37	41	43	47	46	44	44	43	41
30	D	43	43	43	43	42	41	41	39	39	39	38	37	37	34	31	27	26	30	34	45	50	55	55	56	40
MEAN ALL		46	46	44	44	43	42	42	42	41	41	40	41	42	41	38	37	37	40	44	47	47	47	48	47	43
MEAN Q		46	46	46	45	45	45	45	45	45	44	44	44	43	41	38	36	36	39	44	47	45	44	44	42	43
MEAN D		50	49	47	43	40	38	41	37	35	34	34	36	38	38	37	36	37	39	42	47	50	54	58	59	42

AGINCOURT MAGNETIC OBSERVATORY 1965

TABLE 34		AGINCOURT																				H = 15500 + TABULAR VALUES IN GAMMAS		DECEMBER		1965
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23	TO 24	
1	D	606	611	609	609	611	608	608	611	614	619	624	633	634	600	584	606	609	613	606	591	578	587	581	607	607
2		609	597	594	606	611	616	613	612	611	611	613	612	616	611	611	608	607	608	612	616	613	617	616	617	611
3		613	616	617	616	613	614	616	617	617	618	617	620	621	618	617	613	608	607	612	614	617	617	622	622	616
4		614	611	607	611	612	613	616	618	622	624	629	629	627	634	635	608	601	607	611	613	607	610	617	617	616
5		616	614	616	613	612	615	614	615	617	618	619	621	618	617	612	608	606	608	613	617	619	624	627	624	616
6		623	621	622	618	618	618	620	622	623	623	624	623	619	614	608	606	605	607	615	618	623	624	627	627	619
7		626	617	616	616	617	617	623	621	621	623	627	627	622	618	613	611	608	616	623	628	629	627	627	627	621
8		623	622	617	618	617	622	623	624	627	628	629	629	629	623	617	611	611	620	633	630	635	638	638	633	625
9		623	618	628	628	624	623	623	623	623	623	619	628	627	611	622	617	613	614	619	627	628	628	628	623	623
10		624	626	624	623	622	621	619	621	623	624	627	627	624	621	613	608	606	602	611	623	618	616	607	618	619
11		618	617	611	612	611	611	611	613	614	618	618	618	621	618	613	602	599	596	615	618	622	624	622	608	614
12		611	613	619	618	613	618	618	618	617	618	622	624	623	616	600	587	591	597	596	606	617	618	619	621	613
13		617	611	612	611	608	608	607	617	612	617	623	623	623	622	608	596	591	595	602	615	622	624	624	624	613
14	Q	623	623	622	618	617	620	620	620	621	622	623	623	624	623	619	611	602	607	613	618	622	624	624	622	619
15	Q	623	623	625	624	624	623	624	624	624	627	628	628	628	628	622	614	610	611	616	622	624	629	633	630	624
16	Q	628	627	626	624	624	624	626	628	629	631	634	633	633	633	628	622	619	622	627	629	631	634	634	633	628
17	Q	629	629	628	627	627	627	628	630	633	631	631	633	633	628	624	616	612	614	622	627	630	634	634	633	627
18	D	633	630	628	627	627	628	629	629	635	641	639	633	645	635	627	610	591	583	597	601	599	609	613	602	620
19		580	592	607	607	607	607	608	611	612	613	616	615	613	610	606	600	596	602	607	613	607	613	617	617	607
20		607	608	612	617	617	618	618	619	622	622	621	621	618	616	608	601	600	608	612	617	618	618	622	624	615
21	Q	625	623	618	613	614	616	618	621	623	624	624	623	620	613	602	597	600	615	624	629	629	634	636	636	620
22		634	634	629	630	629	626	627	633	634	634	629	627	622	613	617	613	611	617	623	629	629	629	627	616	625
23		613	618	622	619	618	622	622	623	623	623	623	623	618	613	606	601	601	608	617	624	629	633	632	629	619
24		627	624	624	623	622	623	623	626	628	633	634	634	633	625	617	613	611	617	622	638	640	638	617	584	624
25	D	607	611	602	612	606	608	612	615	612	619	624	623	628	623	612	606	600	612	623	625	628	633	628	628	617
26	D	629	628	623	623	622	622	616	615	607	622	622	606	618	612	602	596	600	599	612	618	623	623	613	617	615
27		623	627	627	623	618	622	623	622	622	625	618	624	623	623	611	601	596	601	607	607	616	618	623	617	617
28	D	618	618	617	622	623	622	613	611	622	623	624	629	627	617	606	601	583	591	602	601	606	618	624	626	614
29		623	623	618	614	617	619	617	616	618	617	622	627	628	620	617	607	596	601	610	616	624	629	624	628	618
30		628	628	624	620	630	624	623	624	626	628	627	622	623	623	621	612	606	606	610	617	623	629	629	628	622
31		628	627	624	623	626	622	618	617	618	623	627	626	628	624	618	611	607	608	611	617	622	623	623	624	621
MEAN ALL		619	619	618	618	618	619	619	620	621	623	624	625	625	619	613	607	603	607	614	618	620	623	623	621	618
MEAN Q		626	625	624	621	621	622	623	625	626	627	628	628	628	625	619	612	609	614	620	625	627	631	632	631	624
MEAN D		618	620	616	619	618	617	616	616	618	625	627	625	630	617	606	604	597	600	608	607	607	614	612	616	615

## DECLINATION

TABLE 35		AGINCOURT																							DECEMBER 1965	
		D = 7 DEGREES WEST + TABULAR VALUES IN MINUTES																								
DAY	HOUR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
	UT	TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23	TO 24	
1	D	28.8	30.7	30.7	30.7	31.3	31.4	31.6	33.3	33.2	29.7	29.7	29.4	29.7	34.6	42.2	42.2	36.8	33.9	35.8	37.0	34.8	32.8	33.5	31.7	33.2
2		29.7	28.6	26.2	34.0	37.8	31.5	30.9	31.5	32.9	33.3	30.6	32.6	31.0	29.6	29.5	31.4	32.6	34.6	34.6	34.0	33.2	32.5	31.6	31.1	31.9
3		30.6	30.8	31.3	31.6	32.0	32.2	32.2	32.1	31.6	31.4	30.8	30.6	30.5	30.4	29.7	31.0	32.5	33.5	34.0	33.9	33.7	32.6	31.6	31.4	31.7
4		29.6	30.7	30.9	30.5	30.6	31.9	31.9	31.7	31.5	31.3	29.6	29.5	31.4	29.8	30.6	31.4	35.7	37.0	37.0	35.8	34.8	33.8	32.6	31.5	32.1
5		31.4	30.8	31.4	30.9	31.2	31.7	31.6	31.5	30.8	31.7	30.6	29.7	29.8	29.7	29.6	31.5	33.7	34.8	35.1	34.6	33.1	32.5	31.6	31.1	31.7
6		30.5	30.4	30.8	30.8	31.5	32.3	32.5	32.4	31.8	31.0	30.6	30.8	30.4	29.6	29.4	30.4	32.4	33.8	34.5	33.8	32.8	32.4	31.4	30.7	31.5
7		30.4	29.6	30.6	30.7	31.5	32.4	31.3	31.5	29.6	29.2	29.6	29.9	30.2	29.6	30.4	31.8	33.7	34.7	35.0	34.2	32.8	32.6	31.8	31.1	31.4
8		30.5	30.5	30.7	31.3	31.3	31.2	31.4	31.5	31.2	30.5	30.6	30.6	30.2	29.1	28.4	29.5	32.5	33.3	34.4	33.2	32.5	31.5	31.1	30.7	31.2
9		30.7	29.1	30.7	30.7	31.2	31.3	31.4	30.9	31.3	29.7	32.5	30.5	30.5	32.7	30.8	30.8	32.7	34.7	35.5	34.8	33.8	32.6	31.6	31.5	31.8
10		30.6	30.1	30.3	30.3	31.3	31.4	31.8	31.8	31.5	31.4	30.5	30.4	30.3	29.4	29.3	32.4	33.7	36.5	37.6	37.1	35.8	35.6	31.4	32.4	32.2
11		29.6	29.2	29.5	29.3	27.2	30.1	30.5	31.8	31.7	31.4	31.3	31.2	30.3	29.6	28.6	30.6	32.4	34.7	35.7	35.9	35.8	34.7	33.5	32.8	31.6
12		30.7	30.6	29.5	30.0	31.3	32.4	31.5	31.2	30.3	30.5	30.3	30.3	29.3	28.5	30.1	33.3	33.8	34.7	36.7	36.8	35.5	33.9	32.5	31.4	31.9
13		30.4	29.5	30.5	29.0	29.4	29.3	33.6	31.5	30.7	30.6	30.3	30.6	30.2	28.2	29.2	31.4	32.4	33.9	34.8	34.6	33.6	32.5	31.5	31.2	31.2
14	Q	30.5	30.3	30.2	30.2	30.0	31.7	31.4	31.5	31.3	31.0	30.7	30.6	29.5	29.1	28.3	29.3	31.3	33.5	34.8	35.4	34.4	33.5	32.5	32.4	31.4
15	Q	31.3	30.4	30.3	30.4	30.7	31.2	31.3	31.4	31.5	31.4	31.3	30.9	30.4	29.2	28.8	30.2	31.2	32.6	33.7	33.7	32.6	32.3	31.2	30.6	31.2
16	Q	30.4	30.4	30.4	30.5	31.1	31.4	31.5	31.7	31.7	31.4	31.2	31.1	30.5	29.3	29.2	30.3	31.3	32.4	33.5	32.8	32.3	31.5	31.2	30.7	31.2
17	Q	30.4	30.4	30.6	31.0	31.2	31.4	32.3	32.5	31.5	31.0	31.2	31.3	30.5	29.5	29.5	31.2	32.7	33.9	34.7	33.8	32.6	32.3	31.3	30.6	31.6
18	D	30.4	30.4	30.6	31.1	31.2	31.5	31.7	35.7	31.3	28.5	29.2	33.6	33.6	28.6	29.6	31.3	35.8	39.8	38.9	38.6	36.5	34.6	31.3	32.1	32.7
19		24.1	31.2	31.9	32.5	32.1	31.4	32.5	34.5	30.9	30.4	30.6	30.8	30.4	29.6	30.3	31.5	32.6	33.6	34.3	33.6	33.5	32.7	31.7	31.4	31.6
20		30.4	30.3	31.3	32.0	32.4	32.5	32.5	31.7	31.4	31.2	31.3	31.2	30.6	30.1	30.4	31.5	33.3	34.7	35.5	34.5	33.6	33.2	32.4	31.2	32.1
21	Q	31.0	31.2	31.3	31.2	31.5	31.8	32.6	32.5	31.4	31.3	31.1	31.1	31.1	30.4	31.3	33.0	34.7	35.7	35.3	33.6	32.3	31.4	31.2	30.6	32.0
22		30.4	30.3	30.4	30.5	30.6	30.8	31.2	30.8	31.0	30.5	30.8	32.3	30.4	32.7	33.6	35.3	35.3	36.7	35.5	33.5	32.2	31.5	31.5	31.4	32.0
23		30.4	30.4	30.5	31.4	31.9	32.4	32.3	32.2	31.4	31.5	30.6	30.0	30.0	30.4	31.4	32.9	34.6	35.7	34.8	33.6	32.5	31.5	31.5	31.2	31.9
24		30.5	30.2	30.5	31.4	31.2	32.5	32.5	31.7	31.2	30.6	30.6	30.5	29.9	29.0	29.4	31.0	33.7	34.8	35.7	34.6	32.4	31.5	32.6	29.5	31.6
25	D	29.2	28.8	29.1	23.9	31.4	32.2	32.3	31.7	34.2	32.4	31.2	31.3	30.3	30.2	31.2	32.9	34.5	34.4	34.6	33.7	32.4	31.2	30.8	30.1	31.4
26	D	29.2	29.8	30.5	30.9	31.4	31.3	33.5	34.7	37.1	26.3	29.2	33.1	38.0	34.5	36.9	33.7	35.7	36.6	34.6	34.4	33.5	33.5	31.1	29.2	32.9
27		30.3	30.2	30.4	31.1	30.4	30.1	33.5	31.8	32.3	30.4	34.6	36.2	32.4	28.2	28.2	31.3	33.5	35.6	36.4	37.4	35.4	33.4	31.4	27.2	32.1
28	D	29.2	29.1	28.5	30.2	31.6	32.4	30.2	33.1	34.5	33.8	34.8	36.6	30.4	29.9	30.2	32.7	35.9	35.6	36.1	35.9	34.4	32.9	29.1	31.1	32.4
29		30.5	30.5	30.5	29.2	31.1	30.7	31.3	32.2	31.6	31.8	32.4	31.3	30.5	30.6	30.9	33.4	34.6	35.5	34.5	34.8	34.2	33.4	32.3	31.3	32.0
30		31.3	30.2	30.1	30.2	30.3	30.4	31.3	31.4	31.2	30.7	31.8	33.8	33.6	30.6	29.5	30.9	32.5	33.6	35.4	34.7	33.8	32.5	31.6	31.2	31.8
31		30.8	30.4	30.6	31.1	30.5	30.6	31.4	31.4	31.2	30.2	30.5	30.6	29.8	29.3	30.0	31.4	32.5	33.6	34.3	34.1	33.4	32.5	32.4	31.6	31.4
MEAN ALL		30.1	30.2	30.3	30.6	31.2	31.5	31.9	32.1	31.8	30.9	31.0	31.4	30.8	30.1	30.5	32.0	33.6	34.8	35.3	34.8	33.7	32.8	31.7	31.0	31.8
MEAN Q		30.7	30.5	30.5	30.7	30.9	31.5	31.8	31.9	31.5	31.2	31.1	31.0	30.4	29.5	29.4	30.8	32.3	33.6	34.4	33.8	32.8	32.2	31.5	31.0	31.5
MEAN D		29.4	29.7	29.9	29.4	31.4	31.8	31.8	33.7	34.1	30.1	30.8	32.8	32.4	31.5	34.0	34.6	35.7	36.1	36.0	35.9	34.3	33.0	31.2	30.8	32.5



TABLE 36		AGINCOURT																							DECEMBER 1965	
		VERTICAL INTENSITY																								
		Z = 56000 + TABULAR VALUES IN GAMMAS																								
DAY	HOURLY UT	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
		TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23	TO 24	
1	D	53	50	48	45	43	44	44	42	37	37	39	34	34	34	34	34	37	34	39	49	64	66	72	65	45
2		56	56	55	48	31	42	44	44	44	39	37	40	41	39	34	31	27	31	38	44	45	45	45	44	42
3		44	44	44	43	43	42	42	43	42	42	40	40	40	38	37	37	38	38	42	44	43	44	44	43	42
4		42	44	44	44	44	44	43	43	42	42	39	37	34	34	31	31	39	44	48	49	48	50	49	47	42
5		48	47	45	44	44	44	44	44	44	42	41	41	41	39	38	37	37	38	41	43	42	42	40	39	42
6		39	39	39	38	38	39	39	39	39	39	39	39	39	38	35	33	34	37	42	44	44	43	42	42	39
7		39	40	43	43	42	39	34	37	39	39	39	39	38	36	32	33	37	38	40	43	40	40	40	39	39
8		39	39	39	39	39	39	39	39	39	37	37	37	37	34	32	31	34	35	37	37	37	36	36	34	37
9		36	38	37	37	37	35	35	34	34	33	34	33	34	32	33	32	34	34	38	39	39	38	38	38	35
10		39	38	38	37	37	37	37	38	38	37	37	37	37	33	27	31	32	33	37	37	38	43	53	48	38
11		43	39	40	38	29	28	31	37	39	39	38	38	39	38	32	32	34	35	39	41	42	42	43	44	37
12		48	48	45	40	40	37	39	39	38	39	38	38	39	37	31	32	37	38	41	45	47	45	44	44	40
13		43	43	39	39	39	31	28	34	38	39	39	38	39	37	31	31	29	34	39	42	40	39	38	37	37
14	Q	37	37	37	36	37	37	36	36	36	35	34	34	34	33	28	27	27	32	37	39	39	38	38	38	35
15	Q	37	37	37	37	37	34	34	34	33	33	34	34	34	32	27	27	28	32	33	35	37	37	34	32	34
16	Q	32	32	32	32	32	32	32	32	32	32	32	32	32	31	27	27	30	32	33	34	33	32	32	31	32
17	Q	31	31	31	31	31	31	41	31	28	28	30	31	31	30	27	22	26	27	30	33	34	34	32	32	30
18	D	32	31	32	32	32	31	31	27	21	26	22	26	23	22	22	22	24	31	39	44	48	45	42	48	31
19		59	60	49	44	41	40	39	34	34	35	36	38	39	39	39	39	39	39	41	44	41	40	39	40	41
20		42	44	44	41	39	38	38	38	38	37	37	37	38	34	31	32	32	32	38	40	38	38	39	38	38
21	Q	37	36	37	37	37	38	37	37	37	36	34	37	37	37	34	37	39	38	37	37	34	32	32	32	36
22		33	33	33	33	33	33	33	33	33	33	32	29	29	29	27	28	29	33	35	36	37	35	39	39	33
23		40	39	39	36	35	34	34	34	33	33	33	33	34	32	29	32	33	35	39	41	39	35	34	33	35
24		33	33	34	33	33	33	33	33	33	32	29	29	29	28	28	28	27	28	32	32	29	29	33	51	32
25	D	45	38	35	30	34	33	36	34	33	27	28	28	28	24	20	21	22	28	33	33	33	34	34	34	31
26	D	33	33	33	33	33	33	32	22	12	11	7	10	17	12	16	21	32	35	40	40	40	40	40	40	28
27		39	38	37	35	34	32	29	32	33	29	25	25	27	29	27	28	33	35	39	41	43	43	40	44	34
28	D	40	39	38	35	28	22	26	27	18	15	10	15	22	24	27	27	28	33	35	39	43	43	41	38	30
29		39	38	36	36	37	35	34	34	34	34	34	34	34	34	30	28	29	35	41	39	39	40	37	36	35
30		35	34	34	33	29	25	30	32	32	30	29	28	29	28	25	24	29	34	37	39	39	35	34	33	32
31		33	33	33	33	29	25	28	29	33	33	30	29	30	30	29	28	28	32	35	38	35	34	34	33	32
MEAN ALL		40	40	39	37	36	35	35	35	34	34	33	33	33	32	30	30	32	34	38	40	40	40	40	40	36
MEAN Q		35	35	35	35	35	35	34	34	34	33	33	34	34	33	29	28	30	32	34	36	35	35	34	33	33
MEAN D		41	38	37	35	34	33	34	30	24	23	21	23	25	23	24	25	29	32	37	41	46	45	46	45	33

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (All Days)

Table 37 Agincourt

15,500  $\gamma$  +

1965

U. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	560	563	572	578	591	597	602	602	600	613	614	619	593	598	591	589
1-2	560	563	572	577	589	594	602	601	600	611	613	619	592	597	590	589
2-3	560	563	571	576	587	593	601	600	601	611	612	618	591	595	590	588
3-4	559	561	571	575	587	593	600	602	602	613	611	618	591	596	590	587
4-5	560	560	571	572	588	594	600	603	602	612	611	618	591	596	589	587
5-6	561	561	570	571	586	593	600	603	600	612	612	619	591	596	588	588
6-7	562	560	570	565	585	592	596	601	600	611	613	619	590	594	587	589
7-8	562	561	569	563	584	591	598	601	600	612	614	620	590	594	586	589
8-9	564	564	570	569	586	590	597	601	598	613	615	621	591	594	588	591
9-10	565	565	573	569	587	592	595	599	602	615	616	623	592	593	590	592
10-11	566	568	574	574	587	592	596	599	604	616	617	624	593	594	592	594
11-12	568	569	574	574	587	592	595	599	601	615	618	625	593	593	591	595
12-13	569	568	570	570	583	585	590	592	591	609	614	625	589	588	585	594
13-14	566	564	563	561	574	577	582	582	582	601	609	619	582	579	577	590
14-15	559	555	554	551	566	569	575	572	574	592	602	613	574	571	568	582
15-16	551	545	548	547	565	564	571	570	572	586	600	607	569	568	563	576
16-17	543	540	546	555	572	568	577	576	578	587	599	603	570	573	567	571
17-18	540	543	549	566	581	581	587	588	591	596	601	607	578	584	576	573
18-19	545	548	558	574	590	595	599	600	602	604	606	614	586	596	585	578
19-20	551	556	566	582	596	605	608	608	609	610	612	618	593	604	592	584
20-21	559	562	574	585	599	614	613	612	609	613	614	620	598	610	595	589
21-22	565	565	576	584	598	610	613	610	608	614	616	623	599	608	596	592
22-23	566	565	575	583	595	604	611	608	605	613	616	623	597	605	594	593
23-24	563	564	575	580	591	601	606	607	602	615	615	621	595	601	593	591
Mean	559	560	567	571	585	591	596	597	597	608	611	618	589	593	586	587

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (All Days)																	
Table 38 Agincourt													7° W + ...'				1965
U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter	
0-1	28.3	28.8	29.3	30.2	30.0	29.3	30.4	29.8	30.4	31.4	30.7	30.1	29.9	29.9	30.3	29.5	
1-2	27.9	28.1	29.0	30.2	30.3	29.5	30.6	29.8	30.4	30.5	30.6	30.2	29.8	30.1	30.0	29.2	
2-3	27.9	27.8	28.8	29.7	29.9	29.2	29.8	29.7	29.9	30.9	30.5	30.3	29.5	29.7	29.8	29.1	
3-4	27.8	27.6	28.8	29.6	29.6	29.4	29.8	29.5	30.7	31.0	30.4	30.6	29.6	29.6	30.0	29.1	
4-5	28.1	27.6	28.8	29.2	29.6	29.4	30.2	29.9	30.8	30.9	30.6	31.2	29.7	29.8	29.9	29.4	
5-6	28.6	28.3	29.1	29.3	29.4	29.8	30.3	30.2	31.9	31.3	31.1	31.5	30.1	29.9	30.4	29.9	
6-7	29.5	28.9	28.4	30.6	29.2	29.8	30.4	31.2	30.6	30.7	31.6	31.9	30.2	30.2	30.1	30.5	
7-8	29.4	29.0	27.8	29.5	29.8	30.0	30.2	30.5	29.6	30.9	31.6	32.1	30.0	30.1	29.5	30.5	
8-9	29.4	28.8	28.5	28.8	29.0	29.4	29.6	30.0	29.8	30.5	31.2	31.8	29.7	29.5	29.4	30.3	
9-10	28.9	28.6	28.1	27.9	27.9	28.4	28.9	28.4	28.4	30.4	30.7	30.9	29.0	28.4	28.7	29.8	
10-11	29.0	28.7	27.4	27.1	26.7	26.6	27.0	26.9	28.0	30.3	30.6	31.0	28.3	26.8	28.2	29.8	
11-12	28.9	28.9	26.9	26.4	25.2	25.3	25.3	24.6	26.8	29.9	30.3	31.4	27.5	25.1	27.5	29.9	
12-13	28.3	28.1	25.8	25.5	24.2	24.8	24.4	23.6	26.9	28.9	29.9	30.8	26.8	24.3	26.8	29.3	
13-14	27.1	26.9	25.2	25.7	25.1	25.6	24.8	24.2	27.6	28.2	29.3	30.1	26.7	24.9	26.7	28.4	
14-15	26.5	26.1	26.1	27.3	27.4	27.7	26.5	27.0	30.2	28.5	29.5	30.5	27.8	27.2	28.0	28.2	
15-16	27.4	27.3	28.9	30.9	30.8	30.9	30.1	31.9	34.2	30.5	31.0	32.0	30.5	30.9	31.1	29.4	
16-17	29.1	29.9	31.7	34.0	34.0	34.4	33.6	35.8	36.7	33.5	33.3	33.6	33.3	34.5	34.0	31.5	
17-18	31.2	31.7	34.0	35.5	36.0	36.9	36.1	38.3	38.2	35.9	34.9	34.8	35.3	36.8	35.9	33.2	
18-19	32.5	33.2	35.2	35.9	36.4	36.9	37.3	38.4	38.1	36.5	35.8	35.3	36.0	37.3	36.4	34.2	
19-20	32.5	33.1	34.4	35.1	35.5	36.3	37.1	37.7	36.2	35.6	35.3	34.8	35.3	36.7	35.3	33.9	
20-21	32.1	32.2	33.2	33.7	33.9	34.4	35.5	35.3	33.9	34.4	34.0	33.7	33.9	34.8	33.8	33.0	
21-22	30.8	31.1	31.6	32.2	32.5	33.3	33.8	33.3	32.1	33.4	33.3	32.8	32.5	33.2	32.3	32.0	
22-23	29.8	30.0	30.3	30.9	31.0	32.0	32.0	31.4	32.1	32.7	32.4	31.7	31.4	31.6	31.5	31.0	
23-24	29.1	29.4	29.9	30.4	30.2	30.3	31.0	30.2	31.6	32.3	31.2	31.0	30.6	30.4	31.1	30.2	
Mean	29.2	29.2	29.5	30.2	30.2	30.4	30.6	30.7	31.5	31.6	31.7	31.8	30.5	30.5	30.7	30.5	

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (All Days)

56,000  $\gamma$  +

1965

Table 39 Agincourt

U. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	57	65	67	58	58	58	48	46	66	51	46	40	55	53	61	52
1-2	57	64	66	58	57	54	47	44	60	51	46	40	54	51	59	52
2-3	56	64	66	58	57	52	45	43	56	51	44	39	53	49	58	51
3-4	56	63	65	55	55	48	42	40	53	49	44	37	51	46	56	50
4-5	54	61	63	52	52	42	39	37	51	48	43	36	48	43	54	49
5-6	52	59	58	50	49	40	34	34	46	46	42	35	45	39	50	47
6-7	49	54	55	49	48	43	31	32	47	46	42	35	44	39	49	45
7-8	50	54	55	46	47	38	31	30	44	47	42	35	43	37	48	45
8-9	52	55	54	49	51	40	36	33	44	46	41	34	45	40	48	46
9-10	51	55	55	43	54	41	39	36	47	47	41	34	45	43	48	45
10-11	52	56	59	49	56	43	41	40	51	47	40	33	47	45	52	45
11-12	52	55	61	53	55	43	40	40	53	47	41	33	48	45	54	45
12-13	52	57	62	53	53	41	39	37	51	48	42	33	47	43	54	46
13-14	52	57	61	51	51	41	39	37	51	48	41	32	47	42	53	46
14-15	49	54	58	48	48	40	37	36	50	47	38	30	45	40	51	43
15-16	46	54	56	46	45	41	35	35	49	44	37	30	43	39	49	42
16-17	46	56	57	46	45	39	34	35	50	43	37	32	43	38	49	43
17-18	49	59	59	49	46	41	36	36	53	44	40	34	46	40	51	46
18-19	53	61	61	53	48	46	39	40	57	47	44	38	49	43	55	49
19-20	55	63	63	56	52	51	43	45	60	50	47	40	52	48	57	51
20-21	57	66	66	57	57	59	47	49	60	51	47	40	55	53	59	53
21-22	58	66	67	59	60	63	50	51	65	52	47	40	57	56	61	53
22-23	56	65	67	59	62	64	51	50	65	52	48	40	57	57	61	52
23-24	56	65	66	58	61	65	51	48	65	51	47	40	56	56	60	52
Mean	53	59	61	52	53	47	41	40	54	48	43	36	49	45	54	48

## MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (Quiet Days)

Table 40 Agincourt

15,500  $\gamma$  +

1965

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	564	564	572	575	586	595	598	604	608	614	618	626	594	596	592	593
1-2	563	565	573	576	586	595	599	605	608	613	618	625	594	596	593	593
2-3	562	565	573	576	586	595	600	605	607	613	616	624	594	597	592	592
3-4	562	564	571	576	585	595	600	604	608	612	614	621	593	596	592	590
4-5	560	565	571	576	586	596	599	604	605	612	613	621	592	596	591	590
5-6	563	565	573	576	585	594	599	604	605	610	614	622	593	596	591	591
6-7	563	566	573	575	586	594	598	602	606	611	615	623	593	595	591	592
7-8	563	566	575	577	586	594	597	603	606	611	617	625	593	595	592	593
8-9	565	569	575	577	587	595	596	602	606	612	618	626	594	595	593	595
9-10	566	567	575	578	587	595	596	601	606	613	618	627	594	595	593	595
10-11	566	569	575	578	588	599	598	601	605	614	617	628	595	597	593	595
11-12	566	570	575	576	589	597	597	599	601	612	618	628	594	596	591	596
12-13	568	569	573	572	587	592	593	591	593	607	614	628	591	591	586	595
13-14	567	568	566	564	575	581	587	581	582	601	609	625	584	581	578	592
14-15	563	564	557	553	565	571	579	569	575	592	601	619	576	571	569	587
15-16	553	555	549	548	562	565	577	567	576	585	598	612	571	568	565	580
16-17	543	546	548	553	569	573	583	574	583	583	598	609	572	575	567	574
17-18	539	544	551	564	579	584	592	587	595	590	603	614	579	586	575	575
18-19	545	549	560	573	588	596	602	600	606	600	610	620	587	597	585	581
19-20	553	557	570	581	594	606	611	609	611	607	615	625	595	605	592	588
20-21	562	565	579	587	593	607	616	618	610	612	618	627	600	609	597	593
21-22	567	570	581	587	591	604	615	616	608	614	621	631	600	607	598	597
22-23	569	571	579	584	591	601	612	612	606	615	622	632	600	604	596	599
23-24	566	569	578	582	590	599	606	611	608	616	622	631	598	602	596	597
Mean	561	563	570	574	584	593	598	599	601	607	614	624	591	593	588	590

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (Quiet Days)

Table 41 Agincourt

7°W + ...'

1965

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	28.5	29.1	29.4	29.9	30.3	29.5	31.3	30.1	31.1	31.9	30.6	30.7	30.2	30.3	30.6	29.7
1-2	28.3	28.4	29.3	29.9	30.6	29.9	31.1	30.7	31.3	31.7	30.6	30.5	30.2	30.6	30.6	29.5
2-3	28.4	28.6	28.9	29.7	30.7	29.9	31.3	30.7	30.8	31.4	30.7	30.5	30.1	30.7	30.2	29.6
3-4	28.5	28.0	29.4	29.8	30.5	30.4	31.0	30.4	30.8	31.3	31.1	30.7	30.2	30.6	30.3	29.6
4-5	28.4	27.8	29.4	29.8	30.2	30.5	30.6	30.4	31.1	31.1	31.3	30.9	30.1	30.4	30.4	29.6
5-6	29.0	29.0	29.4	30.0	30.1	30.1	30.8	30.6	31.2	31.6	31.4	31.5	30.4	30.4	30.6	30.2
6-7	29.4	28.9	29.3	29.8	30.0	30.1	30.8	30.3	30.7	31.5	31.6	31.8	30.4	30.3	30.3	30.4
7-8	29.4	29.4	29.2	29.6	29.8	29.8	30.4	29.9	30.2	31.4	31.6	31.9	30.2	30.0	30.1	30.6
8-9	29.6	29.2	28.5	29.1	29.8	29.2	29.9	29.1	29.8	31.3	31.3	31.5	29.9	29.5	29.7	30.4
9-10	29.1	28.9	27.9	28.5	29.3	28.2	28.9	28.3	29.4	30.8	31.0	31.2	29.3	28.7	29.2	30.1
10-11	29.0	28.5	27.9	27.9	27.4	26.5	27.4	27.3	28.7	30.9	30.7	31.1	28.6	27.2	28.9	29.8
11-12	28.9	28.0	27.1	26.6	25.7	24.8	25.9	25.3	27.6	30.3	30.6	31.0	27.7	25.4	27.9	29.6
12-13	28.6	27.3	25.8	25.7	24.4	24.3	24.6	23.7	26.8	29.3	29.8	30.4	26.7	24.3	26.9	29.0
13-14	27.5	26.3	25.0	25.7	24.7	24.7	24.9	24.4	27.6	28.3	28.9	29.5	26.5	24.7	26.7	28.1
14-15	26.1	24.7	25.6	26.7	26.2	26.9	27.0	27.0	30.1	27.8	29.0	29.4	27.2	26.8	27.6	27.3
15-16	26.5	26.0	28.1	29.8	30.0	30.7	30.5	31.5	34.2	28.9	30.9	30.8	29.8	30.7	30.3	28.6
16-17	28.3	28.2	31.0	33.5	33.7	33.8	33.8	35.4	37.0	31.4	33.4	32.3	32.7	34.2	33.2	30.6
17-18	30.7	30.5	33.1	36.1	35.9	36.6	36.5	37.9	38.5	34.2	34.9	33.6	34.9	36.7	35.5	32.4
18-19	32.2	32.3	34.1	36.2	36.9	37.3	37.1	38.3	38.1	35.1	35.3	34.4	35.6	37.4	35.9	33.6
19-20	32.3	32.7	33.6	35.2	35.9	36.9	36.6	36.9	36.1	34.7	34.4	33.8	34.9	36.6	34.9	33.3
20-21	32.0	32.0	32.4	33.7	34.0	35.2	34.9	34.2	33.1	33.7	33.1	32.8	33.4	34.6	33.2	32.5
21-22	30.5	30.6	30.9	32.2	32.6	33.7	33.3	32.3	31.3	32.8	32.4	32.2	32.1	33.0	31.8	31.4
22-23	29.7	29.6	29.9	31.1	31.1	31.8	32.0	30.6	30.8	32.5	31.8	31.5	31.0	31.4	31.1	30.7
23-24	29.3	29.2	29.8	30.6	30.4	30.6	31.1	29.9	31.1	32.1	31.2	31.0	30.5	30.5	30.9	30.2
Mean	29.2	28.9	29.4	30.3	30.4	30.5	30.9	30.6	31.6	31.5	31.6	31.5	30.5	30.6	30.7	30.3

## MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Quiet Days)

Table 42 Agincourt

56,000  $\gamma$  +

1965

U. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	54	62	64	57	56	52	48	42	53	51	46	35	52	50	56	49
1-2	54	62	64	57	55	50	47	40	53	51	46	35	51	48	56	49
2-3	54	62	63	56	54	48	46	40	52	50	46	35	51	47	55	49
3-4	53	61	63	55	54	48	44	39	50	50	45	35	50	46	55	49
4-5	53	60	63	55	54	46	44	38	51	50	45	35	50	46	55	48
5-6	52	61	63	54	54	45	43	38	52	50	45	35	49	45	55	48
6-7	53	60	63	55	53	47	42	39	52	50	45	34	49	45	55	48
7-8	52	60	62	54	54	47	43	39	52	49	45	34	49	46	54	48
8-9	52	58	62	55	54	48	43	40	51	49	45	34	49	46	54	47
9-10	52	58	62	54	55	50	45	39	51	49	44	33	49	47	54	47
10-11	52	59	62	55	57	51	47	39	52	49	44	33	50	49	55	47
11-12	52	59	63	55	57	50	45	39	55	51	44	34	50	48	56	47
12-13	52	59	63	54	55	49	44	37	53	51	43	34	50	46	55	47
13-14	52	59	61	54	54	46	43	36	52	51	41	33	49	45	55	46
14-15	50	56	57	51	49	44	41	35	51	49	38	29	46	42	52	43
15-16	46	53	55	48	44	40	38	34	50	47	36	28	43	39	50	41
16-17	45	52	55	47	41	38	38	34	51	45	36	30	43	38	50	41
17-18	48	55	57	49	43	36	36	34	54	45	39	32	44	37	51	44
18-19	53	58	59	52	46	36	35	38	57	48	44	34	47	39	54	47
19-20	55	61	61	53	50	39	38	40	58	50	47	36	49	42	56	50
20-21	57	64	64	54	55	44	41	43	56	52	45	35	51	46	57	50
21-22	57	63	64	56	58	46	43	43	55	52	44	35	51	48	57	50
22-23	55	62	63	56	59	48	44	43	53	51	44	34	51	49	56	49
23-24	53	62	63	55	58	49	45	41	53	50	42	33	50	48	55	48
Mean	52	59	62	54	53	46	43	39	53	50	43	33	49	45	54	47

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY (Disturbed Days)

Table 43 Agincourt

15,500  $\gamma$  +

1965

U. T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	554	558	567	578	587	593	611	594	576	609	611	618	588	596	583	585
1-2	554	560	562	571	580	581	606	589	576	600	608	620	584	589	577	586
2-3	555	559	560	568	573	578	604	592	584	604	607	616	583	587	579	584
3-4	554	553	558	563	574	577	603	600	591	613	603	619	584	589	581	582
4-5	556	550	558	543	581	583	605	602	590	612	602	618	683	593	576	582
5-6	554	551	554	533	576	581	603	607	588	611	605	617	582	592	572	582
6-7	557	549	546	505	569	583	582	592	592	606	606	616	575	582	562	582
7-8	554	555	546	488	562	574	598	591	586	610	608	616	574	581	558	583
8-9	557	562	550	517	575	575	599	597	573	612	609	618	579	587	563	587
9-10	559	561	563	519	578	575	594	596	587	612	613	625	582	586	570	590
10-11	560	568	571	547	577	572	593	597	598	613	614	627	586	585	582	592
11-12	568	570	571	553	578	571	591	597	598	609	619	625	588	584	583	596
12-13	568	569	565	549	577	556	587	590	582	599	610	630	582	578	574	594
13-14	563	563	558	543	563	551	578	581	582	593	606	617	575	568	569	587
14-15	553	553	548	532	558	544	572	575	574	586	605	606	567	562	560	579
15-16	548	536	548	525	558	545	570	572	566	582	605	604	563	561	555	573
16-17	540	530	537	543	565	546	576	575	568	587	604	597	564	566	559	568
17-18	535	530	540	557	573	562	583	586	577	597	603	600	570	576	568	567
18-19	537	537	550	562	581	583	593	600	588	605	602	608	579	589	576	571
19-20	543	550	559	574	591	609	603	605	602	604	607	607	588	602	585	577
20-21	548	556	567	576	595	633	611	614	595	603	605	607	593	613	585	579
21-22	556	554	569	572	592	628	607	604	598	603	602	614	592	608	586	582
22-23	560	548	571	572	589	620	610	605	596	598	598	612	590	606	584	580
23-24	555	555	570	568	578	610	603	601	588	605	595	616	587	598	583	580
Mean	554	553	558	548	576	580	595	594	586	603	606	615	581	587	574	582

AGINCOURT MAGNETIC OBSERVATORY 1965



## MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION (Disturbed Days)

Table 44 Agincourt

7° W + ...'

1965

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	28.0	28.6	29.8	30.3	29.3	27.5	30.4	27.8	27.2	30.9	31.1	29.4	29.2	28.8	29.6	29.3
1-2	27.1	27.7	28.1	30.6	29.1	27.9	30.7	28.8	28.0	29.1	30.0	29.7	28.9	29.1	29.0	28.6
2-3	27.3	27.9	27.0	29.4	28.3	26.1	28.1	28.9	27.7	30.7	28.9	29.9	28.4	27.9	28.7	28.5
3-4	26.9	26.9	27.5	29.5	27.9	26.8	27.9	29.6	30.9	30.1	28.9	29.4	28.5	28.1	29.5	28.0
4-5	27.4	27.3	28.2	28.2	28.2	24.4	28.8	30.6	31.1	29.3	29.3	31.4	28.7	28.0	29.2	28.9
5-6	27.6	28.2	29.4	26.8	27.7	27.2	29.1	31.5	34.7	29.8	30.1	31.8	29.5	28.9	30.2	29.4
6-7	29.6	29.9	26.6	35.7	26.6	28.2	29.2	34.8	30.4	29.0	31.9	31.8	30.3	29.7	30.4	30.8
7-8	28.3	27.8	22.9	30.9	31.9	30.3	30.3	32.3	29.2	30.6	32.0	33.7	30.0	31.2	28.4	30.5
8-9	28.9	27.8	28.2	28.7	28.2	31.0	27.6	33.7	33.5	29.7	30.5	34.1	30.2	30.1	30.0	30.3
9-10	28.0	28.3	27.0	26.9	26.8	30.2	27.7	29.2	29.5	29.7	29.6	30.1	28.6	28.5	28.3	29.0
10-11	29.0	29.4	25.7	26.8	27.4	28.0	27.3	27.3	28.9	30.0	30.7	30.8	28.4	27.5	27.9	30.0
11-12	28.7	30.5	26.5	27.7	25.8	27.3	24.1	24.5	26.7	30.0	30.3	32.8	27.9	25.4	27.7	30.6
12-13	28.7	31.2	25.1	26.6	23.9	28.4	23.8	23.3	28.8	29.8	31.2	32.4	27.8	24.9	27.6	30.9
13-14	28.0	29.6	24.8	26.3	25.3	29.7	23.8	23.9	29.2	29.0	31.4	31.5	27.7	25.7	27.3	30.1
14-15	28.3	27.8	25.8	27.3	29.0	32.0	27.1	27.5	29.1	29.1	31.6	34.0	29.1	28.9	27.8	30.4
15-16	29.3	27.9	29.2	31.1	31.9	33.3	31.4	31.9	33.3	31.6	32.7	34.6	31.5	32.1	31.3	31.1
16-17	30.2	31.2	32.0	34.0	34.8	36.2	34.7	35.4	35.1	34.5	35.2	35.7	34.1	35.3	33.9	33.1
17-18	31.9	32.8	34.0	34.8	36.7	38.9	37.0	38.0	37.0	35.9	36.0	36.1	35.8	37.7	35.4	34.2
18-19	33.1	35.6	35.5	35.2	36.4	37.0	37.7	36.8	37.2	36.5	36.8	36.0	36.2	37.0	36.1	35.4
19-20	33.2	34.4	35.0	34.5	35.6	35.3	38.0	38.3	37.2	36.3	37.3	35.9	35.9	36.8	35.8	35.2
20-21	33.0	32.9	34.2	33.9	34.5	34.2	35.4	36.5	35.9	35.7	36.0	34.3	34.7	35.2	34.9	34.1
21-22	31.5	32.0	32.1	33.0	32.8	34.3	33.5	34.1	34.3	34.7	35.3	33.0	33.4	33.7	33.5	33.0
22-23	30.5	30.7	31.2	31.6	30.9	32.9	31.5	31.5	33.8	32.4	34.5	31.2	31.9	31.7	32.3	31.7
23-24	29.9	29.5	30.7	30.2	30.5	29.3	29.7	28.8	31.7	31.8	31.2	30.8	30.3	29.6	31.1	30.4
Mean	29.3	29.8	29.0	30.4	30.0	30.7	30.2	31.0	31.7	31.5	32.2	32.5	30.7	30.5	30.7	31.0

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY (Disturbed Days)

Table 45 Agincourt

56,000  $\gamma$  +

1965

U.T.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Summer	Equinox	Winter
0-1	59	68	76	62	62	74	48	57	114	57	50	41	64	60	77	55
1-2	60	66	78	64	61	61	47	56	81	58	49	38	60	56	70	53
2-3	58	66	77	69	67	55	46	50	65	56	47	37	58	55	67	52
3-4	57	67	73	55	62	42	39	42	53	50	43	35	52	46	58	51
4-5	54	62	64	47	49	32	29	37	54	48	40	34	46	37	53	48
5-6	49	57	36	38	32	18	8	12	39	45	38	33	34	18	40	44
6-7	32	35	28	22	24	25	-6	4	34	45	41	34	27	12	32	36
7-8	41	41	30	5	23	-1	10	-1	21	50	37	30	24	8	27	37
8-9	46	40	26	26	42	0	29	15	12	48	35	24	29	22	28	36
9-10	46	39	31	-6	52	1	35	30	27	49	34	23	30	30	25	36
10-11	50	39	52	22	55	3	33	40	42	48	34	21	37	33	41	36
11-12	50	40	59	50	50	9	31	41	50	47	36	23	41	33	52	37
12-13	51	45	63	54	49	7	34	38	49	47	38	25	42	32	53	40
13-14	51	47	62	49	46	14	37	38	54	48	38	23	42	34	53	40
14-15	49	49	59	46	42	21	39	37	52	47	37	24	42	35	51	40
15-16	45	51	58	48	43	34	39	37	53	44	36	25	43	38	51	39
16-17	46	56	59	52	45	37	35	38	54	42	37	29	44	39	52	42
17-18	48	63	62	56	46	48	38	41	56	44	39	32	48	43	55	46
18-19	52	67	66	59	48	69	43	46	62	48	42	37	58	52	59	50
19-20	54	71	69	63	55	81	51	54	68	53	47	41	59	60	63	53
20-21	59	74	74	63	62	106	57	62	65	56	50	46	65	72	65	57
21-22	60	78	75	65	69	108	57	65	87	64	54	45	69	75	73	59
22-23	58	75	73	67	79	102	57	63	93	62	58	46	69	75	74	59
23-24	58	72	72	67	76	101	57	59	90	60	59	45	68	73	72	59
Mean	51	57	59	48	52	44	37	40	57	51	42	33	48	43	54	46

## PUBLICATIONS OF THE DOMINION OBSERVATORY

## THREE-HOUR RANGE INDICES, AGINCOURT, 1965

Table 46

January					February				
	D	H	Z	K	D	H	Z	K	
1	0110 1110	0110 0001	0000 0100	0110 1111	3211 0000	1110 0000	0100 0100	3211 0100	
2	1112 2321	1102 3323	0001 1121	1112 3323	0210 1000	0100 0011	0000 0101	0210 1111	
3	4021 1200	3010 1210	2000 1100	4021 1210	0111 1002	1110 0102	0000 0000	1111 1102	
4	0011 1110	0001 1221	0000 1110	0011 1221	3223 2222	2222 1121	0111 1110	3223 2222	
5	1000 0200	0000 1201	0000 1100	1000 1201	1201 2111	0200 0121	0100 0010	1201 2121	
6	0011 1000	0011 1001	0000 0001	0011 1001	3020 3432	2110 3443	0000 1322	3120 3443	
7	0101 2201	0100 1112	0000 0110	0101 2212	2554 4322	2445 2422	1453 3322	2555 4422	
8	3033 1101	3121 2111	2023 1110	3133 2111	1122 1213	1111 0233	0010 0113	1122 1233	
9	1311 1102	0200 1122	0100 1011	1311 1122	2101 3221	2112 2321	0000 1210	2112 3321	
10	1011 1011	1100 1111	0000 0000	1111 1111	2223 2201	1321 2212	0332 1110	2333 2212	
11	0100 0000	1200 0000	0000 0100	1200 0100	2240 2111	1230 1222	0120 0110	2240 2222	
12	1113 2311	0112 3323	0001 1110	1113 3323	1122 2000	1111 1000	0000 0000	1122 2000	
13	5232 3210	3211 2211	2210 0101	5232 3211	0021 1111	0010 1111	0000 0010	0021 1111	
14	1222 2210	1211 2211	0100 1000	1222 2211	0124 3201	1223 2122	0232 1000	1234 3222	
15	0211 2100	1211 2101	0010 0110	1211 2111	3211 3313	3211 2323	1000 1222	3211 2323	
16	0011 1001	0010 1001	0000 0001	0011 1001	1312 2100	2301 1111	0100 1100	2312 2111	
17	0102 4312	1001 3321	0001 1111	1102 4322	1002 2000	1002 3001	0000 1100	1002 3101	
18	0330 1101	0101 0111	0110 0110	0331 1111	0000 1211	0000 1012	0000 1011	0000 1212	
19	0210 0001	1200 0002	0000 0000	1210 0002	0201 1001	0201 1011	0100 0010	0201 1011	
20	0100 0223	0010 0133	0000 0012	0110 0233	1121 1211	2110 1112	0010 1111	2121 1212	
21	3300 2000	3210 1111	2300 1011	3310 2111	1523 4221	2412 2322	0411 2211	2523 4322	
22	1442 2310	1342 2211	1351 0210	1452 2311	2111 1112	1000 1132	0000 0111	2111 1132	
23	1322 1100	1211 1011	0111 1010	1322 1111	2222 2343	1222 3443	1011 1222	2222 2443	
24	0000 1000	0000 0001	0000 0010	0000 1001	2322 2213	2222 1123	1010 1112	2322 2223	
25	0210 1100	0200 0011	0100 1111	0210 1111	5132 2112	4121 1112	3020 0111	5132 2112	
26	0000 2100	0011 1101	0000 0110	0011 2101	2132 2110	2121 2101	0122 1010	3132 2111	
27	0211 1201	1210 1212	0110 0201	1211 1212	2123 2202	3123 2212	0001 0111	3123 2212	
28	2002 2112	1002 1111	0000 0110	2002 2112	2201 2211	2100 1121	2100 1110	2201 2221	
29	3001 1101	2000 1112	0000 0000	3001 1112					
30	2113 2101	1112 1100	0000 0000	2113 2101					
31	0001 1012	1000 0011	0000 1110	1001 1112					
March					April				
	D	H	Z	K	D	H	Z	K	
1	1202 2110	1200 1111	0000 1100	1202 2111	2221 2000	2110 1011	1000 1010	2221 2011	
2	0112 2331	0111 1232	0000 0120	0112 2332	0111 1000	0101 0001	0000 0000	0111 1001	
3	3343 3333	2232 2242	2232 1122	3343 3343	0201 2100	0200 1112	0100 0011	0201 2112	
4	4543 2000	3443 1111	3634 1000	4644 2111	0232 3200	0221 2121	0233 1010	0233 3221	
5	0024 3101	0112 1121	0011 1210	0124 3221	0301 0000	0200 0011	0100 0000	0301 0011	
6	2010 0211	1011 0122	0000 0121	2011 0222	2211 2200	0201 1222	0100 0101	2211 2222	
7	3222 2200	2220 2121	1220 2111	3222 2221	2312 3201	2210 2011	1310 1110	2312 3211	
8	0010 1110	0100 1111	0100 0110	0110 1111	1001 1101	0000 1112	0000 0011	1001 1112	
9	0021 1100	1111 1111	0000 1010	1121 1111	3431 0100	3421 0213	3320 1122	3431 0213	
10	1000 2110	1001 1111	0000 1111	1001 2111	2213 0000	2211 0011	0201 2110	2213 2111	
11	2121 1100	1120 1111	0010 1010	2121 1111	3011 1221	1001 1132	0000 1122	3011 1232	
12	0000 2212	0000 2122	0000 1111	0000 2222	3300 1101	2200 1033	2100 1121	3300 1133	
13	0023 3210	2122 2121	0022 1110	2123 3221	3221 1000	2100 1101	2111 0000	3221 1101	
14	0311 2101	0201 2122	0100 1121	0311 2122	1312 2100	0111 2111	0100 1100	1312 2111	
15	3244 2321	3132 1231	2122 1121	3244 2331	1210 0100	1100 1111	0100 0010	1210 1111	
16	1201 1001	1100 0012	0000 1000	1201 1012	0111 2100	1200 0111	0100 0110	1211 2111	
17	0021 2220	0110 1121	0010 1110	0121 2221	0110 3321	0100 1443	0000 1221	0110 3443	
18	0010 2100	0000 0000	0000 0000	0010 2100	4677 4221	4797 4432	4687 3221	4797 4432	
19	0032 2001	0012 1012	0011 0000	0032 2012	3122 3313	3012 2333	2011 1222	3122 3333	
20	2001 2100	1000 2121	0000 1110	2001 2121	2323 3100	3312 2212	3223 1201	3323 3212	
21	3111 2213	2110 2123	0010 1001	3111 2223	2101 1100	2000 1211	1000 1000	2101 1211	
22	0010 1113	0000 0143	0000 0022	0010 1143	0222 2101	1202 1013	0111 0001	1222 2113	
23	1554 3343	2432 2243	1433 2134	2554 3344	0122 1112	0120 1114	0010 0112	0122 1114	
24	0244 3212	1223 2222	0012 1111	1244 3222	2011 2100	1111 2210	1000 1210	2111 2210	
25	2354 3121	2343 2232	0444 1021	2454 3232	0112 2211	0110 1112	0000 1221	0112 2222	
26	4342 2212	4232 1222	2322 0011	4342 2222	2012 2111	1102 1122	0000 1121	2112 2122	
27	3232 2110	2221 1221	0221 1010	3232 2221	1011 1110	1111 1112	0010 1011	1111 1112	
28	0231 2101	0120 0111	0121 0100	0231 2111	1210 2100	1110 1121	0000 1201	1210 2221	
29	2111 2200	1211 2120	0110 1111	2211 2221	0221 0100	0111 0032	0110 0121	0221 0132	
30	0001 2211	0000 1211	0000 0100	0001 2211	3230 1100	2120 1111	1010 0220	3230 1221	
31	0313 1100	1211 0001	0101 0010	1313 1101					

## AGINCOURT MAGNETIC OBSERVATORY 1965

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## THREE-HOUR RANGE INDICES, AGINCOURT, 1965

May		June						
	D	H	Z	K	D	H	Z	K
1	0111 0100	1111 0011	0011 1121	1111 1121	0022 2111	1100 1222	0000 1121	1122 2222
2	0000 1110	0000 0111	0000 0211	2000 1211	2011 3222	1101 2123	1000 2021	2111 3223
3	2111 1100	2000 1011	0000 1001	2111 1111	1011 2231	1111 1243	0001 1122	1111 2243
4	0101 1212	0111 1123	0000 1111	0111 1111	0033 2323	1223 2333	1012 2122	1233 2333
5	3464 3313	4552 2233	4543 2122	4564 3333	3411 2210	3311 1121	1320 1121	3421 2221
6	2132 1103	2010 1112	2111 0021	2132 1123	0312 2121	1211 1122	0111 1111	1312 2122
7	3311 1110	2201 1011	2211 1010	3311 1111	1101 1100	1001 0210	0000 0110	1101 1210
8	1223 2224	1111 2335	0111 0234	1223 2335	1122 2133	1012 2244	0000 2233	1122 2244
9	4322 1112	4311 1122	4431 2122	4432 2122	3332 2311	3421 3322	3232 1221	3432 3322
10	3332 1101	3232 1012	2231 0121	3332 1122	1101 1000	1100 0000	2100 1111	2101 1111
11	0000 0100	0000 0112	0000 1111	0001 1112	0112 2231	0101 1243	0011 1232	0112 2243
12	3312 0000	2311 1111	2200 2010	3312 2111	2122 2101	1111 1112	2011 0111	2122 2112
13	0012 1100	0001 1111	0000 1121	0012 1121	0002 1001	0001 0111	0001 0100	0002 1111
14	1110 0010	1100 0121	0010 0120	1110 0121	1222 2112	1211 2233	0111 1121	1222 2233
15	1012 0101	1111 1122	0000 0121	1112 1122	0334 4343	2122 3354	1212 2243	2334 4354
16	2344 5211	3333 4222	1344 2221	3344 5222	4555 5556	5443 5575	4453 4575	5555 5576
17	3223 1110	2221 1121	1211 1101	3223 1121	6563 3315	5543 3325	6463 3215	6563 3325
18	0301 1100	1211 0122	0101 1120	1311 1122	4423 1221	4212 0043	3411 0121	4423 1243
19	0202 1001	0111 1112	0000 1110	0212 1112	2020 1000	2110 0000	1000 0111	2120 1100
20	0201 2100	1201 1221	0000 2221	1201 2221	0001 0000	1000 0110	0001 1221	1001 1221
21	0100 2212	2210 1222	0000 1111	2210 2222	1101 1000	1100 0011	0000 1112	1101 1112
22	2212 0220	2210 0222	1111 1221	2212 1222	1212 1111	1111 1112	0101 1112	1212 1112
23	2233 2102	2131 1112	0112 0010	2233 2112	2002 1110	2111 1221	1000 1011	2112 1221
24	1131 2110	1211 1131	2122 1120	2232 2131	0001 2110	1110 1221	0000 1110	1111 2221
25	0001 1110	1010 1122	0000 1110	1011 1122	0001 2432	1112 3333	0000 1121	1112 3433
26	1011 1011	1111 1033	0000 2111	1111 2133	2223 1132	4222 1233	1210 1122	4223 1233
27	2222 2122	2211 2223	1100 0011	2222 2223	3331 2200	3221 2121	2331 1021	3331 2221
28	0103 2321	1001 2232	0011 1210	1113 2332	1311 1000	1201 1112	1100 0111	1311 1112
29	0011 2211	1001 2222	0001 0111	1011 2222	1232 3322	2223 2232	0322 1123	2333 3333
30	0111 2111	1110 1111	1001 1021	1111 2121	2243 2224	2333 2234	2332 1123	2343 2234
31	1123 1111	1111 1121	1110 1022	1123 2122				
July		August						
	D	H	Z	K	D	H	Z	K
1	4234 2123	3232 2233	3233 1222	4234 2233	1100 0112	1100 1233	0000 1232	1100 1233
2	3232 2211	1111 1122	1110 1121	3232 2222	1023 3311	2233 3332	0122 2122	2233 3332
3	3121 1111	2111 1122	2011 0121	3121 1122	2322 1311	1212 2321	1101 1221	2322 2321
4	1010 1100	1110 0112	1000 1122	1110 1122	1121 2301	2111 2322	0010 1111	2121 2322
5	0011 1000	1111 0112	2111 2001	2111 2112	0101 2100	1011 1122	0000 1021	1111 2122
6	1534 3320	1533 3322	0533 2222	1534 3322	0110 2000	1200 2122	0100 0111	1210 2122
7	1222 1012	2111 1134	0321 1123	2322 1134	1122 2112	1121 2223	0010 1121	1122 2223
8	5512 3334	3321 1344	3310 0233	5522 3344	3311 1221	2201 1122	1200 1221	3311 1222
9	3413 1211	3311 1234	3301 2122	3413 2234	1202 3111	1200 2223	0100 1112	1202 3223
10	2453 2101	3332 1122	1432 1111	3453 2122	0202 2100	1211 2221	0111 1010	1212 2221
11	0110 0100	1100 0111	0001 0000	1111 0111	2321 1103	2211 0122	2200 0221	2321 1223
12	0000 1212	1000 0233	1000 0122	1000 1233	2321 1101	1320 1123	0221 0121	2321 1123
13	0012 2210	2112 1221	1002 0111	2112 2221	0001 1110	0010 0122	0000 0121	0011 1122
14	1210 1201	2200 0222	0100 0102	2210 1222	3323 2211	3211 2123	1221 1022	3323 2223
15	1132 2102	2222 2123	1032 1112	2232 2123	0012 1111	0100 0122	1011 0112	1112 1122
16	1110 1100	1110 0111	2000 0211	2110 1211	3011 1111	1321 1143	1001 0121	3321 1143
17	0001 1000	1000 0120	0000 0110	1001 1120	2323 3111	2213 1133	0123 2121	2323 3133
18	0111 1322	0011 1332	0000 1221	0111 1332	1001 2332	1000 1354	0000 1143	1001 2354
19	2244 2221	3233 3333	1043 1221	3244 3333	3452 4233	3431 3334	3652 1223	3652 4334
20	1012 1111	1011 0222	0001 0121	1012 1222	2344 3225	2222 3234	1243 2123	2344 3235
21	2210 1100	2110 0020	2200 1100	2210 1120	4543 2100	3433 2121	2332 2101	4543 2121
22	0011 1111	0110 1223	1000 0122	1111 1223	1011 2212	0112 1222	0000 0121	1112 2222
23	2331 4223	2221 3233	1331 1122	2331 4233	2000 2213	1000 0334	1000 0122	2000 2334
24	2333 2110	2223 2122	0212 0121	2333 2222	5452 2003	2221 0123	3243 0012	5453 2123
25	3222 1110	2111 2111	1101 1110	3222 2111	4332 2211	3332 2332	3321 0021	4332 2332
26	0222 1001	1110 1011	0110 2121	1222 2121	4132 1100	3221 2111	2221 0011	4232 2111
27	0212 2211	1121 2232	0111 1022	1222 2232	2221 2102	1111 2122	0011 1122	2221 2122
28	4453 2213	4462 1222	2461 1121	4463 2223	1101 1000	1100 0111	1001 2000	1101 2111
29	1441 2221	1322 3332	0441 1121	1442 2332	1221 1011	1120 1142	0120 0121	1221 1142
30	2210 1002	1100 0112	0000 1011	2210 1112	4222 1110	3231 1131	1121 0011	4232 1222
31	0101 0100	1110 0112	0000 0011	1111 0112	2323 2102	2313 1222	1333 1121	2333 2222

## PUBLICATIONS OF THE DOMINION OBSERVATORY

## THREE-HOUR RANGE INDICES, AGINCOURT, 1965

September					October				
	D	H	Z	K	D	H	Z	K	
1	1330 3221	1121 1122	0230 0101	1331 3222	0000 1101	0000 0112	0000 0000	0000 1112	
2	2211 2101	2201 1122	1210 1111	2211 2122	2321 2203	3421 2233	1320 0113	3421 2233	
3	0010 2102	0000 0123	0000 1111	0010 2123	0111 1000	0001 0111	0010 0000	0111 1111	
4	2313 3220	2323 3222	2322 2221	2323 3222	0000 0000	0100 0100	0000 0000	0100 0100	
5	3331 2110	2321 2121	1221 0011	3331 2121	0021 3100	2120 3211	0010 1000	2121 3211	
6	2121 2320	0100 2322	0100 1222	2121 2322	0000 1000	0000 0110	0000 0000	0000 1110	
7	0221 2201	1101 1322	0010 0201	1221 2322	0001 2312	0002 1233	0001 1111	0002 2333	
8	2100 2110	1101 1011	1100 0010	2101 2111	3110 2112	4321 2123	3110 1121	4321 2123	
9	2000 1100	0101 1111	0000 1100	2101 1111	2110 1110	1001 1110	0000 0100	2111 1110	
10	0001 2100	0100 0111	0000 0100	0101 2111	0110 0100	0100 0020	0000 0100	0110 0120	
11	0001 1201	0000 1222	0000 1011	0001 1222	0001 1110	1000 1101	0000 0000	1001 1111	
12	4301 2211	2101 1223	2200 0101	4301 2223	2201 2210	1200 1220	0100 1100	2201 2220	
13	3201 2100	3200 1121	1101 1010	3201 2121	2220 2211	1211 1120	0220 0010	2221 2221	
14	0000 2101	1001 1011	0000 1010	1001 2111	2202 1200	2112 1101	2100 0000	2212 1201	
15	1221 2323	1111 1333	0111 0124	1221 2334	0000 0100	0000 0100	0000 0000	0000 0100	
16	5354 3223	4244 3233	6455 2122	6455 3233	0010 0000	0000 0111	0000 0000	0010 0111	
17	4453 2223	1332 2232	2433 1122	4453 2233	0000 2000	0000 0101	0000 0000	0000 2100	
18	2422 3334	1301 2233	2310 1233	2422 3334	3232 2000	2122 1010	0010 0000	3232 2010	
19	1432 3221	1322 2233	2341 1221	2442 3233	0011 1100	0001 1210	0000 0000	0011 1210	
20	1031 1102	1020 0112	0010 0010	1031 1112	0011 1000	0001 0111	0000 0000	0011 1111	
21	3100 1111	2100 0122	1000 0110	3100 1122	0120 0000	0100 0100	0000 0000	0120 0100	
22	0130 1000	1131 0121	0010 0000	1131 1121	1033 1332	2122 1342	0022 0232	2133 1332	
23	0011 3221	1111 2222	0010 0110	1111 3222	2333 3223	2232 3222	2342 1121	2343 3223	
24	1432 2101	1322 1022	0331 0010	1432 2122	4332 3222	4311 2322	2221 1000	4332 3322	
25	4300 3101	2321 2212	1200 0000	4321 3212	3423 2111	2312 2212	2321 1111	3423 2212	
26	1322 2103	0322 2113	0212 1002	1322 2113	4212 1101	3111 0201	2000 0100	4212 1201	
27	3101 2325	2001 1333	2000 0145	3101 2345	1011 2301	0021 2222	0000 0100	1021 2322	
28	7545 1220	4433 2232	6533 2021	7545 2232	4313 4111	2213 3232	1002 2010	4313 4232	
29	0020 1002	0021 1212	0020 0000	0021 1212	2200 0002	2110 0212	0000 0001	2210 0212	
30	0310 0110	0200 0210	0100 0000	0310 0210	2333 1221	1322 2110	0221 0100	2333 2221	
31					2110 1221	3110 2212	0010 0010	3110 2222	
<b>November</b>					<b>December</b>				
	D	H	Z	K	D	H	Z	K	
1	0100 1101	0000 0222	0000 0110	0100 1222	2233 4432	2111 4343	0011 1121	2233 4443	
2	3110 2101	2001 1112	1000 0100	3111 2112	3423 2111	3202 1120	1301 0100	3423 2121	
3	0000 1100	1000 0100	0000 0000	1000 1100	0000 0000	1000 1201	0000 0000	1000 1201	
4	1112 2200	3112 1210	1000 1000	3112 2210	2201 3200	2111 3322	0000 0100	2211 3322	
5	0022 2324	1212 2334	0001 0223	1222 2334	0100 1000	1100 0101	0000 0000	1100 1101	
6	4323 2114	2312 3133	3311 0021	4323 3134	1010 1000	0000 0101	0000 0000	1010 1101	
7	3233 1001	2113 0001	2212 0100	3233 1001	1222 1000	1111 0100	0110 0000	1222 1100	
8	0000 1101	0000 0111	0000 0000	0000 1111	0010 1210	0110 0222	0000 0000	0110 1222	
9	3011 2100	2001 1110	0001 0000	3011 2110	2112 2000	2002 3111	0000 1000	2112 3111	
10	0000 0000	0000 0000	0000 0100	0000 0100	0000 1224	1000 2223	0000 0002	1000 2224	
11	0000 1101	0000 0211	0000 0000	0000 1211	1320 1112	2201 1223	0210 0000	2321 1223	
12	0000 2101	0000 2112	0000 0001	0000 2112	3322 2110	2211 2120	1100 0000	3322 2120	
13	2301 2003	2200 1022	0000 0012	2301 2023	2220 2100	2221 2111	0120 0000	2221 2111	
14	0010 2020	0000 0011	0000 0010	0010 2021	0100 0000	0100 0100	0000 0000	0100 0100	
15	0200 0020	0100 0010	0000 0010	0200 0020	0000 0000	0000 0101	0000 0000	0000 0101	
16	0100 1000	0100 0110	0000 0100	0100 1110	0000 0000	0000 0000	0000 0000	0000 0000	
17	1211 1100	1210 1101	0100 0000	1211 1101	0010 0000	0001 0101	0000 0010	0011 0111	
18	1301 2110	2301 2121	0200 0110	2301 2121	0133 3322	0122 2332	0020 0201	0133 3332	
19	0043 2121	1232 1121	0021 1000	1243 2121	4131 1000	3010 0111	2010 0000	4131 1111	
20	3343 3123	3233 2222	1122 1110	3343 3223	1000 1000	1000 0211	0000 0000	1000 1211	
21	4231 2200	3220 1110	3221 0000	4231 2210	0210 1000	1100 0210	0000 0000	1210 1210	
22	2211 1001	1111 1101	0000 0100	2211 1101	0002 3201	1222 2212	0000 0000	1222 3212	
23	0220 2001	0120 1001	0010 0000	0220 2001	1001 1000	2000 0110	0000 0000	2001 1110	
24	0210 1010	1120 1121	0000 0000	1220 1121	2201 1123	1111 1134	0000 0013	2211 1134	
25	0110 1111	0010 0131	0000 0010	0110 1131	3432 1210	2211 1212	2110 0100	3432 1212	
26	0112 1110	0111 1210	0000 0000	0112 1210	1144 3213	1133 3223	0032 2100	1144 3223	
27	1010 1000	1000 0110	0000 0010	1010 1110	0233 3124	1312 2222	0111 2001	1333 3224	
28	1000 1100	1000 1110	0000 0000	1000 1110	3333 2323	2221 2322	0221 1100	3333 2323	
29	0200 1011	0100 1111	0000 0000	0200 1111	0211 1211	1111 1222	0000 0101	1211 1222	
30	0101 4323	0002 3223	0000 2121	0102 4323	1302 3100	0301 1100	0100 0000	1302 3100	
31					0111 1000	0211 1110	0000 0000	0211 1110	