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CANADA  
DEPARTMENT OF ENERGY, MINES AND RESOURCES  
OBSERVATORIES BRANCH

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# PUBLICATIONS

OF THE

# Dominion Observatory

OTTAWA

Volume XXXVII



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# AGINCOURT MAGNETIC OBSERVATORY 1967

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

Geomagnetic Coordinates: 55.0°N; 347.0°E

Elevation 175 metres

*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.

## Magnetic Equipment

### *Absolute Instruments*

Ruska magnetometer No. 6513 was used as the standard for declination. QHMs (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 measured by Ruska earth inductor No. 11650. Total intensity was determined by a proton precession magnetometer (Serson, 1962). The International Magnetic Standard corrections adopted for these instrument 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
- for I, I.M.S. = Ruska 11650 + 0.0 $\gamma$
- = Dominion Observatory No. 8 + 0.0 $\gamma$
- for F, I.M.S. = Proton Precession Magnetometer + 0.0 $\gamma$   
(4257.60 Hz per oersted)

The current I.M.S. corrections for D and H are discussed in some detail in the "Record of Observations at Agincourt Magnetic Observatory 1964-1965".

## *Variometers*

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

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 of the photographic variometers during 1967 are listed as follows.

Months	Ruska			la Cour		
	H	D	Z	H	D	Z
	( $\gamma$ /mm)	(''/mm)	( $\gamma$ /mm)	( $\gamma$ /mm)	(''/mm)	( $\gamma$ /mm)
Jan.	5.38	1.05	5.66	11.6	0.94	16.7
Feb.	5.39	1.06	5.66	11.5	0.92	16.7
Mar.	5.38	1.05	5.67	11.4	0.94	16.7
Apr.	5.39	1.06	5.69	11.5	0.94	16.7
May	5.36	1.05	5.64	11.4	0.93	16.7
June	5.37	1.06	5.61	11.6	0.95	16.8
July	5.50	1.06	5.70	11.6	0.93	16.9
Aug.	5.48	1.07	5.68	11.5	0.93	16.8
Sept.	5.42	1.07	5.77	11.6	0.93	16.8
Oct.	5.44	1.07	5.80	11.5	0.93	16.9
Nov.	5.48	1.07	5.84	11.5	0.93	16.8
Dec.	5.37	1.05	5.75	11.5	0.93	16.7

## Absolute Observations

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. Discontinuities occurred in the declination and horizontal intensity baselines at 0 hours U.T. on July 11, 1967. The rms difference of the observed minus the adopted baseline values for declination, horizontal intensity and vertical intensity is 0.14', 1.3 $\gamma$  and 1.7 $\gamma$ , respectively.

## PUBLICATIONS OF THE DOMINION OBSERVATORY

D West Baselines		D West Scale Values $\gamma$ /mm			
Adopted		Observed	Adopted		Observed
Jan.	23 22 - 23 20		Jan.	4.80	Jan. 11 4.76 19 4.79
Feb.	23 20 - 23 17.5		Feb.	4.80	Feb. 10 4.76 19 4.79
Mar.	23 17.5 - 23 14.5		Mar.	4.80	Mar. 24 4.76
Apr.	23 14.5 - 23 09.5		Apr.	4.80	
May	23 09.5 - 23 03.5		May	4.80	May 9 4.79 16 4.79
June	23 06.5		June	4.80	June 3 4.79 11 4.80 20 4.80
July	23 06.5		July	4.80	July 7 4.80 16 4.80 25 4.80 30 4.86
Aug.	23 06.5		Aug.	4.80	Aug. 9 4.79
Sept.	23 06.5		Sept.	4.80	
Oct.	23 06.5		Oct.	4.80	Oct. 1 4.81 16 4.82
Nov.	23 06.5		Nov.	4.80	Nov. 4 4.83
Dec. 1 (0000) - 8(2300) Thereafter	23 06.5 23 04.0		Dec.	4.80	Dec. 24 4.79

H Baselines $\gamma$		H Scale Values $\gamma$ /mm			
Adopted		Observed	Adopted		Observed
Jan.	9298 - 9291		Jan.	13.71	Jan. 11 13.75 19 13.74
Feb.	9291 - 9284		Feb.	13.72	Feb. 10 13.69 19 13.76
Mar.	9284 - 9277		Mar.	13.74	Mar. 24 13.70
Apr.	9276 - 9269		Apr.	13.75	
May	9265		May	13.77	May 9 13.69 16 13.73
June	9265		June	13.78	June 3 13.77 11 13.84 20 13.74
July	9267 - 9271		July	13.80	July 7 13.81
Aug.	9271 - 9275		Aug.	13.81	Aug. 9 13.78 17 13.83
Sept.	9275 - 9279		Sept.	13.83	Sept. 15 13.79
Oct.	9279 - 9283		Oct.	13.84	Oct. 1 13.88 16 13.88
Nov.	9283 - 9287		Nov.	13.85	Nov. 4 13.82
Dec.	9287 - 9291		Dec.	13.86	Dec. 24 13.88

**AMENDMENT TO PUBLICATIONS OF THE DOMINION OBSERVATORY**

**Volume XXXVII . No. 10**

**RECORD OF OBSERVATIONS AT AGINCOURT MAGNETIC OBSERVATORY  
1967**

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Delete the baseline and scale value tables on pages 416 and 417.





Z Baselines $\gamma$				Z Scale Values $\gamma/\text{mm}$				
Adopted		Observed		Adopted		Observed		
Jan. 1 (0000) - (0240) no trace; new Z variometer being installed				Jan.	13.30	Jan.	1	27.40
1 (0240) - 2(1310) 58900							3	12.98
2 (1310) - 31(1200) 58880							11	13.44
							19	13.31
							23	13.22
							26	13.23
Feb.	58880			Feb.	13.30	Feb.	10	13.32
							19	13.39
							27	13.39
Mar.	58880			Mar.	13.30	Mar.	8	13.37
							17	13.36
							24	13.34
Apr.	58880			Apr.	13.30			
May	58882	May 7	58877	May	13.30	May 9		13.32
		16	58889			16		13.38
		24	58879					
June	58882	June 3	58882	June	13.60	June 3		13.57
		13	58881			11		13.66
		23	58878			20		13.58
July	58882	July 7	58880	July	13.60	July 7		13.66
		16	58889			16		13.58
						30		13.60
Aug.	58882	Aug. 9	58884	Aug.	13.70	Aug. 9		13.65
						17		13.73
						28		13.70
Sept.	58882 - 58865	Sept. 30	58868	Sept.	13.7 - 14.0	Sept. 5		13.67
						15		13.75
						22		13.98
Oct. 1 (0000) - 26 (2315)		Oct. 5	58872	Oct. 1 - 26 (2315)	14.0	Oct. 1		13.94
58865 - 58875		7	58859	26 (2315) - 31 (2400)		7		14.07
		16	58869		13.5 - 13.7	16		13.94
26 (2315) - 31 (2400)	58935					27		13.50
						30		13.60
Nov. 1 (0000) - 30 (2300)		Nov. 6	58921	Nov. 1 (0000) - 29 (2300)		Nov. 5		14.09
58975 - 58635		10	58881		13.8 - 15.5	17		14.78
		18	58771	29 (2300) - 30 (2300)	14.3	29		14.28
30 (2335 - 2400)	59045	29	58638	30 (2335 - 2400)	13.4			
Dec.	59045	Dec. 9	59048	Dec. 1 - 29	13.4 - 13.6	Dec. 4		13.43
		24	59041	30 - 31	13.1	24		13.57
		30	59046			30		13.07

Notes on the Tables

Greenwich mean time (U.T.) 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 so 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 were sent bimonthly to the International Association of Geomagnetism and Aeronomy. Copies of K-indices were also supplied monthly to the National Research Council of Canada and Cornell Aeronautical Institute in Buffalo, N.Y.

## Annual Means

Year	D West		H	Z	X*	Y*	I* North		F*
	°	'	γ	γ	γ	γ	°	'	γ
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		18.1	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		02.4	331
1965.5		30.5	089	049	951	-2102	73	58.0	313
1966.5		33.4	152	026	16012	-2124		55.9	308
1967.5		35.9	216	011	16074	-2144		51.2	311

\*X, Y, I, F are derived from the annual means of D, H and Z.

The magnetograms were read each month for sudden commencements, bays and pulsations and the results reported directly to the IAGA and the National Research Council of Canada.

## References

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- Serson, P.H., and W.L.W. Hannaford, 1956. A portable electrical magnetometer, *Can. J. Technology*, 1, No. 28, 232-243.
- Smith, F.E., 1922. *Phil. Trans. Roy. Soc.*, 223, 175-200.



HORIZONTAL INTENSITY

TABLE 1		AGINCOURT																					H = 16000 PLUS TABULAR VALUES IN GAMMAS		JANUARY 1967	
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	D	192	187	181	183	187	187	186	186	187	188	185	188	198	181	186	132	121	149	157	165	181	186	192	187	178
2		186	187	184	181	191	181	176	176	175	178	180	182	183	178	167	159	149	150	155	176	180	187	188	192	177
3		191	192	192	191	187	181	183	186	187	187	181	191	186	170	176	153	137	145	153	160	172	182	187	188	177
4	Q	188	188	187	187	187	186	186	186	186	187	187	188	187	186	180	171	160	159	160	165	176	187	187	187	181
5		184	187	187	187	187	186	187	187	186	186	187	188	192	192	190	180	167	163	165	171	181	188	194	195	184
6		192	192	192	193	193	192	192	196	192	201	203	203	207	204	199	193	186	187	186	181	186	193	201	200	194
7	D	198	198	198	193	192	193	193	193	198	198	207	207	192	177	170	144	172	162	149	141	167	184	193	193	184
8	D	181	184	272	162	171	139	47	-55	-8	37	-9	112	158	163	155	95	84	106	128	143	138	148	152	150	119
9		154	154	145	152	151	162	166	166	170	172	177	178	181	177	165	154	149	145	154	160	164	170	172	170	163
10		167	171	172	173	175	177	178	179	181	179	177	177	178	177	172	162	160	161	164	171	171	178	179	180	173
11		165	166	172	176	178	183	179	171	187	187	182	181	182	167	166	157	151	150	160	171	178	182	167	173	172
12	Q	177	177	178	178	178	178	178	181	182	182	182	182	182	178	168	156	154	160	167	181	192	199	199	198	179
13	D	193	193	189	193	188	188	187	193	187	188	193	193	194	221	209	171	166	184	189	199	211	199	172	220	192
14	D	329	839	325	64	99	62	14	1	23	74	130	139	139	128	109	101	112	128	139	151	161	167	171	167	157
15		166	161	168	167	166	165	162	162	164	166	161	157	162	157	140	137	139	147	160	177	179	184	180	169	162
16		172	176	170	171	169	172	177	166	164	171	167	171	172	172	156	151	150	157	167	176	181	183	182	180	170
17		181	182	178	178	177	172	172	172	173	175	177	178	178	174	166	155	158	166	178	187	193	198	193	193	177
18		188	187	186	182	183	182	182	183	186	188	193	193	193	186	165	151	151	166	171	177	182	188	192	187	181
19		184	185	187	184	183	187	188	187	187	188	192	194	194	184	172	156	149	152	166	186	196	199	192	189	182
20		193	188	184	176	181	184	188	187	182	193	198	193	196	181	168	144	139	145	151	164	178	187	184	183	178
21		176	172	162	161	159	156	168	167	173	177	182	187	188	187	193	177	166	166	170	176	179	188	193	188	175
22		181	180	187	189	191	188	187	190	192	193	192	192	192	191	181	167	154	154	162	176	182	186	191	192	183
23		193	188	187	191	192	188	193	188	190	192	198	198	198	198	192	180	169	164	169	177	187	192	192	192	188
24	Q	193	193	193	195	194	193	194	194	197	197	197	197	198	197	193	181	171	167	172	182	188	194	198	202	191
25		204	204	203	198	198	199	200	199	202	198	198	198	198	199	241	172	167	164	172	183	192	199	203	202	195
26		198	198	197	199	197	193	197	193	193	195	193	197	193	187	186	176	166	164	170	176	182	192	198	201	189
27		198	198	198	198	198	199	202	203	203	203	203	203	204	202	198	192	186	182	186	191	198	202	203	203	198
28		195	192	197	188	178	171	161	166	173	188	194	193	188	178	178	166	160	162	173	177	187	191	193	198	182
29		193	190	186	191	191	192	191	194	197	196	196	196	193	191	180	165	151	152	161	180	196	198	201	197	187
30	Q	197	196	196	196	192	191	191	192	194	196	197	197	195	190	179	165	158	158	164	175	186	196	201	201	188
31	Q	201	197	197	192	196	197	197	197	197	198	198	200	198	192	183	170	159	159	170	182	191	207	207	206	191
MEAN A		191	206	192	180	181	178	174	171	174	179	181	186	187	183	177	159	154	157	164	173	182	188	189	190	179
MEAN Q		191	190	190	190	189	189	189	190	191	192	192	193	192	189	181	169	161	161	167	177	187	197	198	199	186
MEAN D		219	320	233	159	168	154	125	104	117	137	141	168	176	174	166	129	131	145	153	160	172	177	176	183	166

AGINCOURT MAGNETIC OBSERVATORY 1967



DECLINATION

TABLE 2 AGINCOURT D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES JANUARY 1967

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	TC 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	TC 20	TC 21	TO 22	TO 23	TO 24	
1	D	34.0	33.7	33.1	34.0	35.1	34.4	34.8	34.9	34.6	33.6	35.2	37.9	39.0	38.8	32.8	34.8	48.7	47.1	42.3	41.1	40.1	38.3	36.3	35.7	37.1
2		34.8	34.0	34.0	33.4	29.6	34.9	33.7	33.8	33.2	33.8	33.0	33.0	32.8	32.1	30.8	33.5	36.1	39.1	39.4	39.0	38.3	37.0	35.9	34.7	34.6
3		34.0	32.8	33.8	33.6	33.6	33.6	34.5	34.9	34.8	33.6	38.2	36.9	33.3	32.0	30.7	31.8	34.8	39.0	39.0	38.2	37.9	37.0	35.9	35.5	35.0
4	Q	34.9	34.0	33.7	33.6	33.6	33.8	34.2	34.8	34.9	34.8	34.2	33.8	33.6	31.9	29.6	30.5	33.0	36.1	37.9	38.0	38.7	37.7	36.8	35.8	34.6
5		34.7	33.8	33.5	32.9	32.9	33.8	34.2	34.2	33.8	34.5	34.6	33.6	32.7	30.7	30.5	30.1	32.2	34.9	36.9	37.8	38.2	37.0	35.8	34.9	34.1
6		34.1	33.7	33.6	33.8	33.8	33.6	33.6	32.0	33.8	35.8	33.5	33.0	32.2	31.6	30.9	31.8	33.6	35.8	36.3	36.8	37.0	36.2	35.0	34.7	34.0
7	D	34.6	34.1	34.0	33.8	34.1	35.1	34.1	32.2	33.1	39.1	32.9	32.8	37.1	44.2	41.3	42.5	50.5	40.9	43.2	43.3	38.2	37.5	33.8	28.4	37.1
8	D	33.7	32.4	26.2	22.4	27.7	32.7	33.7	38.9	18.9	36.4	36.3	47.3	45.3	42.4	44.3	45.3	41.0	42.6	40.1	38.3	39.6	36.9	35.7	35.4	36.4
9		35.2	35.0	34.1	35.5	35.1	38.0	35.1	34.9	34.8	34.9	35.1	33.8	32.8	31.5	31.5	37.1	38.6	38.9	37.4	37.1	36.5	35.8	35.8	36.1	35.5
10		34.7	34.8	34.5	34.9	35.1	35.1	34.9	34.9	35.0	34.9	34.9	34.9	34.0	32.6	33.1	35.1	36.8	37.8	38.0	39.0	39.0	36.9	35.8	34.0	35.4
11		33.6	34.1	33.8	34.0	35.8	35.9	35.0	36.8	35.1	33.0	34.6	33.8	32.7	32.0	32.0	34.0	35.7	38.6	40.4	41.1	39.0	36.2	33.8	35.1	35.3
12	Q	34.1	34.0	33.8	34.6	34.8	34.7	34.8	35.4	34.9	35.2	35.0	34.7	33.5	31.5	29.8	32.6	34.8	36.8	38.0	37.9	36.6	35.0	34.1	33.8	34.6
13	D	33.5	33.3	33.0	32.8	35.0	34.8	35.0	37.0	37.0	31.6	33.7	32.7	37.4	28.7	33.0	31.8	35.2	37.1	40.1	40.9	40.1	41.1	42.8	35.2	35.5
14	D	27.8	25.6	36.5	34.9	34.9	22.6	30.8	22.1	16.4	32.7	37.4	35.9	33.8	31.8	32.7	35.0	36.9	38.8	40.7	39.9	37.0	35.8	35.1	35.7	33.0
15		34.9	34.0	35.0	35.7	35.7	35.0	35.3	34.9	34.7	34.9	34.9	35.9	31.6	28.8	31.3	34.7	37.2	39.3	40.3	39.9	39.1	36.8	35.1	34.9	35.4
16		34.7	33.8	33.0	34.0	35.2	36.9	37.9	33.3	33.0	33.0	32.1	32.7	31.6	27.4	28.6	33.0	37.0	40.1	40.6	40.1	39.0	38.4	37.1	35.7	34.9
17		34.2	33.8	33.2	33.2	34.8	34.1	34.7	33.9	33.8	34.6	33.9	33.6	32.8	31.7	32.5	34.6	36.8	39.0	39.3	38.9	37.0	35.6	34.9	34.6	34.8
18		33.9	33.0	33.6	34.0	34.8	34.6	34.5	34.8	34.2	33.6	32.7	32.6	32.1	30.5	30.9	36.9	40.1	41.1	40.2	38.3	36.9	34.9	33.9	33.8	34.8
19		33.0	33.3	34.0	34.6	34.8	35.0	36.0	35.2	34.8	34.0	33.8	32.8	32.5	30.8	30.3	31.9	34.9	38.8	40.7	41.4	39.7	38.0	36.2	34.9	35.0
20		33.8	33.6	33.8	34.5	32.5	34.9	35.0	34.7	39.0	34.1	31.4	32.7	33.8	33.8	34.6	36.3	41.9	44.0	45.0	46.4	45.6	40.1	37.0	35.7	36.8
21		34.7	34.0	33.8	32.6	32.7	31.4	32.5	33.8	32.7	33.9	34.9	32.7	31.8	31.5	31.9	32.1	34.9	39.1	39.1	38.2	37.6	36.7	35.9	35.5	34.3
22		34.7	32.9	34.5	34.0	34.0	34.6	34.6	34.6	34.6	32.9	33.4	32.9	32.8	30.6	29.7	31.5	33.8	37.4	39.2	39.2	38.1	36.9	35.9	35.0	34.5
23		34.1	33.9	33.6	32.8	33.8	34.0	32.6	32.7	33.6	34.9	34.6	33.5	32.7	30.7	29.4	30.4	32.9	36.0	37.6	37.1	36.2	36.0	36.0	35.7	33.9
24	Q	34.8	34.0	33.6	33.8	34.8	34.6	34.4	34.5	34.2	34.2	34.3	34.0	33.4	31.9	30.5	30.7	32.7	35.0	37.1	37.3	37.0	36.9	35.2	34.6	34.3
25		33.6	32.9	32.8	32.9	33.5	33.6	34.0	34.6	34.7	33.8	33.8	32.7	33.8	31.4	29.6	31.6	33.8	36.7	38.7	38.4	37.6	36.1	34.9	34.7	34.2
26		34.4	33.8	33.9	33.9	34.5	34.5	34.4	33.8	33.3	32.5	33.3	34.5	31.9	31.6	29.8	30.7	32.7	35.5	37.6	37.9	37.5	36.8	35.5	34.7	34.1
27		34.2	34.0	33.9	34.4	34.6	34.7	34.6	34.4	33.8	33.5	32.8	32.6	32.0	31.7	30.6	32.4	33.9	36.0	37.1	37.1	36.6	36.0	34.9	34.8	34.2
28		34.6	34.5	32.8	33.3	32.5	32.5	31.4	31.4	34.7	25.3	30.9	31.7	31.8	30.5	29.8	32.4	35.4	37.2	37.9	37.6	36.8	36.4	35.2	34.5	33.4
29		34.4	33.8	34.8	34.5	34.6	35.2	34.8	36.8	35.5	32.6	32.6	32.7	32.5	31.4	30.3	31.4	33.4	36.8	39.0	39.7	38.8	36.8	35.8	34.9	34.7
30	Q	34.8	34.6	34.0	34.3	34.5	34.7	35.8	34.6	34.8	34.0	33.5	33.4	32.4	30.8	29.6	29.7	32.8	36.8	38.9	39.1	38.0	37.0	35.9	35.1	34.5
31	Q	34.7	34.5	34.0	33.6	33.8	34.4	34.7	34.7	34.7	34.5	33.6	32.6	31.8	29.8	28.3	29.8	32.6	35.8	38.0	39.7	39.2	38.6	36.5	35.6	34.4
MEAN A		34.1	33.5	33.6	33.6	33.9	34.1	34.4	34.2	33.4	33.9	34.0	34.1	33.6	32.1	31.6	33.4	36.3	38.3	39.2	39.2	38.3	37.0	35.8	34.8	34.9
MEAN Q		34.7	34.2	33.8	34.0	34.3	34.4	34.8	34.8	34.7	34.5	34.1	33.7	33.0	31.2	29.5	30.6	33.2	36.1	38.0	38.4	37.9	37.0	35.7	35.0	34.5
MEAN D		32.7	31.8	32.5	31.6	33.3	31.9	33.7	33.0	28.0	34.7	35.1	37.3	38.5	37.2	36.8	37.9	42.5	41.3	41.3	40.7	39.0	37.9	36.7	34.1	35.8

VERTICAL INTENSITY

TABLE 3		AGINCOURT																				Z = 56000 PLUS TABULAR VALUES IN GAMMAS		JANUARY 1967		
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	D	21	21	21	19	9	14	14	17	19	19	16	9	7	9	4	-1	16	19	25	25	26	27	27	26	17
2		28	27	27	29	25	21	25	24	22	22	22	22	22	22	21	15	20	26	30	32	27	27	25	22	24
3		22	22	21	21	20	20	20	21	20	18	14	12	12	15	15	10	15	24	31	32	31	26	22	21	20
4	Q	21	22	22	21	21	21	21	21	21	20	19	19	19	19	15	9	3	9	16	21	20	21	21	21	18
5		22	21	21	20	20	20	20	18	18	18	17	19	19	18	14	4	3	10	16	21	21	22	22	21	18
6		20	20	22	22	21	19	17	16	12	10	12	15	15	11	13	10	5	8	10	13	16	20	21	16	15
7	D	16	16	16	16	15	15	11	10	1	-15	-13	-1	-0	4	-6	-1	16	11	23	28	28	27	28	36	12
8	D	61	135	214	59	134	108	18	-12	-83	-131	-188	-89	-57	-24	-14	-0	33	61	75	74	67	58	54	48	25
9		43	39	38	34	27	-2	28	33	33	33	32	31	31	27	26	23	27	29	30	28	32	33	32	33	30
10		33	33	29	28	28	27	27	27	27	27	27	27	27	26	22	22	23	29	32	28	31	33	31	31	28
11		29	31	29	28	27	24	22	14	4	11	21	23	24	24	17	17	24	26	26	28	29	30	34	34	24
12	Q	33	29	28	28	26	27	25	23	23	23	24	27	28	28	23	23	27	28	29	28	27	26	24	23	26
13	D	23	22	21	17	17	17	17	11	-1	6	15	16	6	-7	-22	-6	12	17	19	19	23	34	97	204	24
14	D	263	105	133	-51	69	13	-57	-68	-112	-113	28	51	54	52	50	50	50	41	38	39	38	36	36	38	33
15		38	39	36	34	34	34	34	34	33	30	29	33	39	34	24	28	34	39	39	37	35	34	35	37	34
16		39	35	34	34	30	18	7	22	20	16	16	28	34	33	20	15	23	28	30	34	34	32	30	33	27
17		34	33	33	30	33	33	33	32	30	29	29	33	33	32	28	28	31	34	35	33	29	29	29	29	31
18		29	28	28	29	29	29	29	28	28	27	27	29	27	24	18	23	30	34	38	35	29	29	30	29	28
19		28	28	27	24	24	24	23	24	24	24	24	24	24	25	24	23	28	34	38	39	37	32	28	28	27
20		28	25	24	27	24	26	25	24	16	6	10	15	17	17	11	11	18	28	34	44	35	30	29	34	23
21		34	34	34	33	29	21	19	24	22	17	12	21	23	21	11	6	15	16	20	25	25	24	24	24	22
22		26	27	25	23	22	21	21	21	19	18	18	17	17	17	12	7	10	16	23	28	24	22	21	18	20
23		20	20	19	18	17	16	9	11	16	16	15	16	17	17	13	6	6	9	16	17	19	17	18	17	15
24	Q	17	17	16	13	12	12	13	13	12	12	13	14	15	15	11	4	5	7	11	16	17	17	17	16	13
25		12	11	11	11	11	11	11	11	11	11	10	9	10	9	6	4	7	8	11	16	17	17	15	12	11
26		11	11	11	11	11	11	7	7	11	11	11	11	13	12	10	7	10	12	17	19	18	20	18	17	12
27		13	14	12	12	12	12	12	12	12	12	12	11	11	10	10	6	6	6	6	6	7	11	12	12	10
28		12	13	11	12	16	13	6	21	-6	6	17	15	17	17	14	11	11	17	24	28	26	21	21	18	15
29		17	17	17	13	16	16	15	12	6	12	12	13	16	17	13	11	11	15	18	22	19	17	17	16	15
30	Q	16	16	16	16	15	16	13	12	16	16	15	15	15	16	15	11	11	16	18	23	23	21	18	17	16
31	Q	16	15	16	16	16	14	14	12	12	12	13	15	16	15	11	7	7	12	16	17	17	20	17	16	14
MEAN A		33	30	33	21	26	22	16	15	9	7	11	16	18	18	14	12	17	22	26	28	27	26	27	30	21
MEAN Q		20	20	19	19	18	18	17	16	17	17	17	18	19	18	15	11	11	14	18	21	21	21	19	18	18
MEAN D		76	60	81	12	49	33	0	-9	-35	-47	-29	-3	2	7	2	8	25	30	36	37	36	36	48	70	22

AGINCOURT MAGNETIC OBSERVATORY 1967

## HORIZONTAL INTENSITY

TABLE 4 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

FEBRUARY 1967

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		202	198	191	187	186	186	187	195	192	192	198	198	200	193	181	171	164	162	169	180	188	198	202	198	188
2	Q	198	197	198	198	198	197	197	198	198	199	202	202	201	196	188	176	162	155	162	170	181	193	202	201	190
3	Q	200	200	200	200	198	198	198	198	198	192	198	208	210	208	202	192	180	171	172	182	195	201	200	204	196
4		207	208	207	203	202	202	197	195	198	203	203	207	208	203	191	180	186	171	175	174	186	192	175	170	194
5		166	183	170	184	185	181	185	186	186	191	196	198	196	185	175	152	154	169	174	174	170	179	186	193	180
6		193	192	191	189	186	191	192	197	204	201	201	202	206	202	192	181	169	164	175	186	195	197	195	192	191
7	D	201	202	202	201	201	200	200	202	202	202	205	206	201	191	185	166	131	116	187	187	180	185	199	201	190
8	D	142	147	147	132	147	169	153	142	134	131	147	110	119	147	120	135	141	148	169	175	165	169	168	168	147
9		169	163	165	169	173	171	169	177	176	175	176	179	174	164	154	147	147	150	152	158	170	175	180	185	167
10	Q	185	186	186	190	191	186	186	185	186	186	186	195	195	186	179	166	158	158	164	175	185	191	196	196	183
11		195	196	194	193	190	183	178	184	183	189	189	191	191	184	178	168	163	162	168	177	180	190	195	196	184
12	Q	196	196	195	195	195	195	196	199	200	199	200	200	198	191	184	176	169	168	172	175	184	190	191	200	190
13	Q	200	200	200	204	199	197	197	197	200	200	200	197	196	194	189	184	179	178	183	191	191	190	196	190	194
14		190	189	190	185	183	184	190	191	190	194	194	195	194	189	180	173	162	157	164	173	181	190	199	200	185
15		199	196	194	196	195	195	196	201	200	200	200	201	201	200	194	179	169	163	169	180	190	195	200	217	193
16	D	227	227	211	212	210	205	200	193	190	180	58	-18	-18	66	141	147	136	149	163	146	130	137	152	156	150
17	C	153	162	156	195	165	162	164	168	163	168	168	159	172	169	169	168	157	150	146	152	163	167	179	179	165
18		178	177	177	178	173	179	178	178	179	178	184	184	184	189	185	175	168	162	163	157	173	179	184	189	177
19		190	190	190	190	189	185	182	187	188	190	190	195	200	200	196	175	162	149	152	161	175	189	196	195	184
20		196	196	196	198	196	194	195	196	194	194	198	200	200	199	190	180	173	163	168	184	191	191	199	200	191
21		201	200	200	200	200	196	200	200	204	201	200	201	204	196	190	173	167	168	170	184	184	190	194	195	192
22		190	190	190	191	192	194	190	190	194	191	190	196	200	197	190	190	184	189	194	205	201	200	200	199	194
23		196	190	190	196	195	195	195	200	206	215	211	222	213	190	167	156	157	151	152	161	173	173	174	178	186
24		179	182	182	183	184	184	183	183	181	189	190	191	190	183	169	156	150	152	163	173	178	190	194	195	179
25	D	196	200	201	199	190	185	176	175	190	194	200	200	194	184	168	157	146	138	151	184	190	200	195	192	184
26		173	163	172	179	189	191	190	190	194	196	195	192	190	186	169	146	130	146	156	169	185	190	195	194	178
27		198	197	196	195	197	195	197	197	198	200	198	195	193	184	164	144	131	126	152	170	191	200	201	202	184
28		202	202	199	196	200	197	197	200	201	201	202	204	202	191	176	158	152	153	164	177	192	201	207	212	191
MEAN A		190	190	189	191	190	189	188	189	190	191	188	186	186	185	177	167	159	157	166	174	181	187	191	193	183
MEAN Q		196	196	196	197	196	194	194	195	196	195	197	200	200	195	188	179	170	166	170	179	187	193	197	198	191
MEAN D		184	188	184	188	183	184	179	176	176	175	156	131	134	151	157	155	142	140	163	169	166	172	179	179	167

## DECLINATION

TABLE 5		AGINCOURT																				D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES		FEBRUARY 1967		
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	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		35.2	34.7	34.0	34.0	34.0	33.5	34.1	34.2	35.3	36.1	34.9	32.9	31.6	28.9	27.8	29.6	32.9	35.9	37.2	38.0	37.2	37.0	36.2	36.1	34.2
2	Q	35.2	34.9	34.2	34.2	34.3	34.7	34.8	35.0	34.7	34.1	33.1	32.9	31.7	29.7	29.6	29.5	32.1	35.8	38.3	40.2	40.4	38.5	36.8	36.1	34.6
3	Q	35.2	35.0	34.8	34.5	34.8	34.7	34.7	34.7	34.2	34.8	32.8	31.8	31.8	29.8	28.6	29.2	31.9	34.7	37.4	39.3	38.7	37.4	36.3	36.2	34.3
4		35.1	34.8	34.2	35.0	35.1	34.3	34.0	34.3	34.6	33.1	32.9	33.1	31.6	31.9	28.4	31.8	36.3	34.2	35.7	37.1	37.4	38.0	39.3	39.5	34.7
5		38.1	31.6	31.0	32.2	32.7	33.4	34.8	34.0	33.1	33.0	32.9	32.9	31.9	31.6	31.1	30.6	41.0	38.2	38.1	38.0	38.3	38.2	37.2	36.3	34.6
6		35.9	35.0	35.0	33.2	33.9	35.9	36.0	36.3	36.3	34.0	34.2	34.4	33.7	32.9	30.1	31.2	34.7	37.4	38.2	37.5	37.0	36.6	36.1	35.6	35.0
7	D	34.7	34.0	34.0	34.1	34.1	34.2	34.8	34.6	34.2	33.7	33.3	33.0	31.8	29.9	28.7	27.9	30.7	44.3	42.5	46.5	48.9	47.7	49.0	46.7	36.8
8	D	39.4	37.5	29.9	20.4	29.7	28.9	30.9	28.7	35.0	30.9	34.0	45.5	43.7	35.7	38.4	35.0	36.2	40.3	41.3	41.2	38.6	39.3	40.3	37.2	35.7
9		38.0	35.3	34.6	32.7	33.4	36.0	36.0	35.0	34.4	35.9	34.7	34.2	33.2	31.9	31.2	31.6	34.0	36.1	38.4	39.3	38.2	37.5	37.1	36.3	35.2
10	Q	36.1	35.8	35.1	35.0	36.0	35.0	35.0	35.0	34.5	34.9	34.9	34.0	32.9	31.8	31.6	31.9	35.8	38.1	39.4	39.5	38.9	38.2	37.1	36.3	35.6
11		35.4	35.0	34.9	35.1	34.9	25.8	28.1	34.0	33.7	33.0	34.0	33.2	31.8	31.1	29.8	30.4	34.0	37.1	38.1	38.4	38.7	38.0	36.8	36.1	34.1
12	Q	35.1	34.9	34.2	34.8	34.9	34.9	35.0	35.0	34.6	34.4	34.0	33.2	32.8	31.5	31.3	31.7	33.3	35.9	38.2	39.4	40.0	39.3	37.2	36.2	35.1
13	Q	36.1	35.0	34.8	34.3	34.1	34.0	34.0	34.1	34.3	34.2	34.0	33.1	32.4	31.0	30.6	29.9	31.8	36.9	40.1	41.5	42.2	41.4	40.9	39.3	35.4
14		39.2	35.0	32.9	34.2	34.7	34.2	33.3	33.9	34.1	35.0	34.8	34.1	31.8	31.0	30.9	31.3	33.0	34.9	39.2	41.4	41.4	41.1	39.2	37.2	35.3
15		37.0	35.0	34.0	33.7	33.9	34.0	34.0	34.0	34.2	34.0	34.0	33.5	32.1	30.6	29.5	28.7	30.8	35.0	38.2	40.3	40.6	40.3	39.2	37.1	34.7
16	D	37.8	36.1	35.0	34.2	34.0	33.0	31.8	31.7	36.1	25.5	46.3	55.7	77.3	60.9	32.1	31.8	32.1	36.2	38.6	38.9	41.7	40.4	38.4	37.4	39.3
17	D	36.3	35.1	29.9	35.2	31.3	34.0	36.0	37.1	39.2	37.1	35.1	36.9	36.3	34.0	33.9	33.0	33.7	35.8	38.2	39.5	40.4	39.5	38.0	36.3	35.9
18		36.9	35.3	35.0	33.0	32.1	35.2	31.9	34.4	34.1	34.3	34.2	34.0	35.1	32.7	30.3	30.8	32.7	35.0	37.1	38.2	38.1	37.6	37.1	36.4	34.6
19		36.1	36.0	35.3	35.1	35.1	35.0	35.1	36.8	36.2	34.8	34.8	35.0	33.0	29.9	28.9	27.9	32.8	36.3	39.1	40.4	41.4	40.3	38.3	37.2	35.5
20		36.2	35.1	34.3	34.1	34.3	34.0	35.1	35.0	34.0	34.2	35.0	33.2	32.0	30.7	29.1	29.7	31.9	36.2	38.5	40.3	39.4	38.2	37.2	36.2	34.7
21		35.1	34.2	34.1	34.1	34.1	34.1	34.3	34.8	34.2	33.7	34.2	34.8	33.8	30.9	31.7	31.7	34.3	37.5	38.9	40.6	40.5	40.3	38.8	39.3	35.4
22		36.3	36.0	34.0	33.3	33.1	33.3	33.0	33.3	32.3	32.0	32.0	30.9	30.0	29.9	32.4	33.0	36.0	39.6	43.6	44.7	42.6	40.5	38.3	36.3	35.3
23		35.7	34.1	34.9	34.4	34.1	34.1	34.1	34.6	35.1	35.5	31.0	34.0	28.9	30.7	37.0	41.3	41.6	42.5	42.8	40.6	38.3	37.2	37.0	35.7	36.0
24		34.9	34.9	35.0	35.1	35.2	35.3	36.0	35.2	36.2	34.4	33.0	32.9	31.4	30.6	30.0	32.9	35.2	37.8	39.3	39.4	38.3	36.5	36.1	36.1	35.1
25	D	35.2	35.0	35.2	35.4	33.1	27.9	32.0	35.0	35.2	36.2	33.1	30.1	30.1	28.2	28.1	31.7	35.5	39.7	44.9	43.6	40.1	37.4	36.1	35.3	34.8
26		36.2	35.1	29.8	31.2	34.2	36.3	36.1	35.9	36.2	35.1	34.3	34.4	32.3	29.9	28.9	32.3	37.1	41.5	43.2	42.6	39.5	37.6	36.3	36.2	35.5
27		34.7	35.1	34.4	34.9	35.1	35.2	35.3	36.5	35.2	33.9	33.2	34.3	31.0	28.8	27.8	29.7	34.4	40.5	42.6	42.6	41.3	39.5	37.7	36.7	35.4
28		36.1	35.3	34.5	35.0	34.3	35.2	35.4	35.5	35.2	35.1	35.2	34.2	31.1	28.9	27.4	29.0	32.1	36.4	39.7	41.1	41.7	40.6	38.5	36.5	35.2
MEAN A		36.2	35.0	33.9	33.7	33.9	33.8	34.1	34.6	34.9	34.0	34.3	34.7	34.2	32.0	30.5	31.3	34.2	37.5	39.1	40.4	40.0	39.1	38.1	37.1	35.3
MEAN Q		35.6	35.1	34.6	34.6	34.8	34.7	34.7	34.8	34.4	34.5	33.7	33.0	32.3	30.8	30.3	30.7	33.0	36.3	38.7	40.0	40.1	38.9	37.7	36.8	35.0
MEAN D		36.7	35.5	32.8	31.9	32.4	31.6	33.1	33.4	35.9	32.7	36.4	40.3	43.9	37.7	32.2	31.9	33.6	39.3	41.1	41.9	42.0	40.9	40.4	38.6	36.5



## VERTICAL INTENSITY

TABLE 6		AGINCOURT																				Z = 56000 PLUS TABULAR VALUES IN GAMMAS		FEBRUARY 1967		
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		17	17	19	20	17	17	12	11	13	12	12	13	17	17	12	7	7	11	13	18	17	17	16	16	14
2	Q	12	12	12	12	12	11	11	10	11	11	11	11	11	11	6	5	5	9	13	19	19	18	16	12	12
3	Q	12	12	12	11	11	11	11	9	8	6	4	6	11	12	11	6	4	6	7	11	11	12	12	12	9
4		11	11	9	10	9	2	6	6	10	6	9	10	11	10	6	4	5	7	10	11	14	17	23	35	10
5		44	39	35	27	17	15	16	16	16	15	12	11	10	6	-0	-5	6	7	10	12	12	17	19	17	16
6		17	13	14	13	13	14	14	13	7	10	12	12	12	12	10	5	7	16	21	23	18	17	18	17	14
7	D	17	14	13	12	12	12	12	12	12	12	12	12	13	13	8	3	1	12	18	24	63	99	149	183	31
8	D	74	81	127	97	103	102	62	13	-17	-61	-46	-59	-33	1	12	17	24	29	31	29	29	31	41	43	30
9		51	46	49	46	36	29	23	18	25	27	25	27	26	24	19	16	17	22	25	25	25	27	76	76	32
10	Q	25	25	25	22	19	20	23	22	22	21	21	19	22	23	19	15	18	25	25	24	21	23	23	21	22
11		19	20	19	19	19	9	-9	2	6	14	19	19	19	21	22	18	18	19	23	25	25	25	23	20	17
12	Q	21	20	20	20	20	19	19	18	18	18	15	15	19	15	14	9	10	12	14	15	20	22	23	20	17
13	Q	20	20	20	19	19	19	18	19	18	17	15	14	14	10	7	8	10	13	15	21	25	25	26	17	17
14		31	30	27	27	27	26	21	20	20	20	19	17	20	17	15	12	11	15	16	20	20	21	25	22	21
15		25	27	27	22	21	20	18	15	15	15	15	15	15	15	14	6	3	4	10	15	20	21	21	25	17
16	D	22	21	23	22	16	15	11	11	4	-131	-146	-172	-136	-105	24	32	33	34	51	64	56	44	39	40	-5
17	D	33	35	39	4	12	22	23	21	15	16	16	21	20	21	23	28	31	31	29	29	34	37	39	33	25
18		30	30	29	28	25	18	14	17	18	22	23	22	23	26	27	22	17	18	22	25	27	24	23	23	23
19		23	22	22	22	22	18	18	18	18	18	18	18	22	22	23	17	11	10	12	17	18	23	25	28	20
20		24	24	23	23	23	19	20	19	18	18	18	17	18	15	13	12	7	14	17	18	24	23	22	19	19
21		18	18	17	17	17	17	15	16	16	14	14	13	17	13	11	7	8	12	17	22	23	24	25	26	17
22		26	27	25	20	20	19	19	14	14	14	14	14	16	12	5	-3	-1	2	9	14	14	19	18	18	15
23		19	20	19	19	19	18	18	16	14	7	-3	7	3	8	7	4	3	9	25	31	31	31	28	27	16
24		24	24	24	24	24	20	19	19	15	20	25	26	31	27	23	19	16	16	21	31	32	27	25	25	23
25	D	20	19	17	15	14	-9	8	14	14	16	14	12	14	12	8	3	8	16	27	31	26	20	20	24	15
26		32	43	47	37	26	20	20	20	20	20	20	20	25	25	19	15	20	26	28	31	32	30	30	26	26
27		24	21	20	20	20	19	15	14	17	20	19	20	21	20	16	13	14	20	26	25	20	19	20	20	19
28		20	19	18	18	15	15	15	15	15	16	16	20	21	21	20	16	15	15	20	24	26	25	20	20	18
MEAN A		25	25	27	23	22	19	17	15	14	8	7	7	10	12	14	11	12	15	20	23	25	26	30	31	18
MEAN Q		18	18	18	17	16	16	17	16	15	14	13	13	15	14	11	8	9	12	14	17	18	20	20	18	15
MEAN D		33	34	44	30	31	29	23	14	6	-30	-30	-37	-25	-12	15	17	19	24	31	35	42	46	58	65	19

HORIZONTAL INTENSITY

TABLE 7 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

MARCH 1967

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		209	208	204	196	196	195	200	201	202	201	201	201	200	195	180	185	165	163	170	184	192	200	205	206	194
2		206	205	202	203	206	205	206	206	206	206	206	203	203	200	185	167	158	162	169	176	179	190	196	205	194
3		203	203	203	201	206	206	207	209	212	216	214	212	212	201	207	201	193	185	185	191	196	201	206	206	203
4		205	197	196	202	200	201	202	205	205	208	211	210	208	202	190	180	178	181	186	190	193	201	204	199	198
5		196	202	206	197	189	185	191	202	206	206	206	205	201	191	166	147	164	179	181	185	190	191	181	191	190
6		196	196	201	196	197	198	201	197	202	203	207	206	201	192	186	180	170	166	177	185	191	193	204	208	194
7		208	208	208	207	207	207	207	206	203	203	207	213	211	208	198	176	157	153	159	170	185	201	207	210	197
8	Q	211	211	211	211	209	209	208	208	212	213	213	216	214	208	201	187	171	170	179	191	195	206	212	213	203
9	D	204	203	211	207	207	208	213	213	213	213	213	213	196	196	192	193	182	180	198	218	202	196	198	197	203
10		181	177	196	189	191	195	197	201	197	199	198	197	196	191	183	170	165	166	174	186	197	201	206	208	190
11	Q	208	208	208	207	207	207	207	207	208	208	209	207	202	192	180	169	159	164	178	191	199	202	203	207	198
12	Q	208	209	209	209	208	207	208	207	207	202	207	202	202	192	180	170	164	170	184	198	207	209	213	214	200
13		216	214	213	209	209	208	213	212	214	213	215	215	213	201	185	169	162	168	177	194	206	207	210	207	202
14		201	207	207	208	208	208	208	208	207	207	212	212	207	201	187	171	164	165	180	202	207	207	211	207	200
15	Q	208	208	211	212	208	207	207	208	208	208	211	209	203	191	176	169	165	175	187	201	213	217	218	218	202
16	Q	215	215	215	214	214	214	215	216	216	217	218	215	208	202	191	184	179	182	193	202	212	218	213	215	208
17		214	219	218	218	217	218	216	218	218	218	219	218	213	207	202	197	196	202	207	212	213	208	213	218	212
18	D	219	218	219	212	202	201	204	206	207	212	215	207	206	196	184	169	180	180	180	191	201	202	198	197	200
19	D	191	192	194	186	187	184	193	202	205	202	201	197	190	175	169	164	164	165	191	196	198	229	183	191	190
20	D	185	183	186	191	186	185	189	196	198	193	197	191	179	173	165	159	154	165	180	197	191	207	201	198	185
21		191	191	186	191	195	197	197	199	201	201	199	191	191	181	173	164	160	165	180	189	201	202	202	203	190
22		197	196	197	197	197	197	198	197	201	201	201	200	197	190	176	170	169	172	186	196	206	206	207	208	194
23		208	208	208	208	208	212	212	213	214	214	214	214	208	197	185	169	171	182	190	201	211	196	192	206	202
24		207	207	207	207	208	209	212	213	213	213	213	212	207	191	185	174	170	179	191	201	208	216	218	218	203
25		218	218	216	213	212	208	208	217	213	214	216	213	208	201	182	171	165	174	185	197	207	213	214	214	204
26		213	213	213	213	214	214	214	216	217	215	216	216	211	198	181	165	154	164	180	197	208	223	235	230	205
27	D	225	217	208	205	201	203	213	213	218	222	218	218	202	179	179	162	153	169	181	186	193	208	214	217	200
28		213	213	211	211	214	219	213	208	203	206	208	204	197	192	171	155	158	169	175	186	197	209	213	208	198
29		211	212	209	216	214	218	214	214	212	208	207	192	169	159	155	147	157	181	190	199	207	214	217	198	
30		213	218	219	219	207	212	213	213	214	213	212	206	192	176	170	160	159	161	182	202	209	209	216	200	200
31		201	203	207	207	207	207	211	212	212	209	207	202	191	175	161	155	163	179	196	209	212	213	213	198	198
MEAN A		206	206	206	205	204	205	206	208	209	209	209	208	203	193	182	172	166	171	181	193	200	206	207	209	199
MEAN Q		210	210	211	211	209	209	209	209	210	211	211	211	206	197	186	176	168	172	184	197	205	210	212	213	202
MEAN C		205	203	204	200	197	196	202	206	208	208	209	205	195	184	178	169	166	172	186	197	197	209	199	200	196

AGINCOURT MAGNETIC OBSERVATORY 1967

## DECLINATION

TABLE 8 AGINCOURT

D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES

MARCH 1967

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	TC 20	TC 21	TO 22	TO 23	TO 24	
1		35.1	34.9	32.7	30.0	31.1	33.0	34.5	34.1	34.1	33.9	33.4	32.8	31.9	30.0	29.1	31.9	33.3	38.1	40.5	41.2	40.6	40.1	38.1	36.4	34.6
2		35.2	34.8	34.8	33.9	33.9	34.2	34.2	34.5	34.1	33.9	33.8	35.1	33.9	31.1	29.6	31.7	34.3	38.1	39.2	41.2	41.3	41.0	38.5	36.9	35.4
3		36.0	35.1	35.0	34.2	32.2	33.0	34.0	34.0	33.7	33.0	33.3	33.9	28.8	31.1	32.9	31.6	34.3	38.0	39.9	39.9	39.4	39.1	38.0	36.7	34.9
4		35.9	35.2	35.1	34.3	34.3	34.8	34.9	32.1	33.9	33.4	32.8	32.1	30.9	28.8	27.6	31.7	35.0	37.4	39.3	40.4	39.6	38.6	37.2	36.1	34.6
5		36.1	34.3	34.8	33.1	28.9	31.8	33.0	35.9	34.9	33.7	33.3	32.0	30.7	28.7	25.6	32.0	37.7	38.3	38.3	39.6	39.6	39.1	38.3	36.4	34.4
6		34.2	31.8	29.9	35.9	33.1	33.0	32.8	34.0	35.0	34.2	34.0	33.6	32.1	31.7	31.2	30.8	33.0	37.0	38.5	39.6	39.6	38.4	37.2	36.3	34.4
7		35.6	35.1	35.0	35.1	35.1	34.0	34.0	34.2	33.9	33.2	32.0	31.0	32.0	31.2	26.0	28.6	33.0	37.4	41.4	42.5	40.6	38.6	37.2	36.5	34.7
8	Q	36.0	35.1	35.0	34.7	34.3	34.2	34.3	34.4	34.0	34.0	33.8	33.0	31.7	29.9	28.0	28.6	31.8	35.3	38.1	39.3	39.1	38.3	37.2	36.4	34.4
9	D	35.9	35.3	35.2	35.3	35.1	35.0	34.9	35.1	33.7	34.7	32.9	32.0	34.0	30.9	32.0	32.0	34.4	41.0	42.8	43.5	44.3	42.6	41.3	38.3	36.3
10		30.9	35.1	34.0	33.8	32.8	33.8	34.3	35.3	34.0	34.6	34.0	33.3	31.6	29.3	28.9	31.1	35.9	39.1	40.7	40.7	40.2	38.3	37.2	36.3	34.8
11	Q	35.8	35.1	35.0	35.0	34.7	34.8	34.8	34.9	34.3	34.0	33.2	32.2	30.0	28.7	27.6	29.9	34.0	39.1	41.2	40.9	39.4	38.1	37.0	36.3	34.8
12	Q	35.8	35.1	34.9	34.9	34.8	34.5	34.0	33.8	33.8	32.1	32.0	30.1	28.7	28.9	32.0	36.1	39.5	41.3	40.7	39.5	38.4	37.2	36.1	34.8	34.8
13		35.6	35.1	35.0	35.1	34.9	34.9	34.3	33.0	33.7	33.7	32.6	33.1	30.9	27.0	26.5	29.9	34.9	40.4	44.3	43.4	40.9	38.3	37.1	37.0	35.1
14		35.1	35.0	35.0	33.8	32.9	34.0	34.0	34.0	33.2	34.0	33.0	32.7	30.4	28.9	28.7	30.7	34.3	39.8	42.9	42.8	41.5	39.5	38.3	36.7	35.1
15	Q	36.1	35.1	34.6	34.2	34.0	34.0	34.0	33.9	33.7	33.1	33.0	32.2	30.1	29.9	30.1	33.0	37.2	40.4	41.4	41.3	39.6	38.3	37.2	36.1	35.1
16	Q	35.2	34.9	34.3	34.3	34.2	34.2	34.0	33.9	33.5	33.0	32.0	30.9	28.9	27.4	26.7	28.9	32.2	36.4	39.0	39.4	38.8	37.4	37.0	36.3	33.9
17		36.0	35.0	34.3	34.4	34.3	34.3	34.2	34.2	33.8	33.2	33.1	32.2	30.7	29.5	28.8	31.1	34.2	37.0	38.3	38.5	38.4	38.0	37.4	37.2	34.5
18	D	36.3	36.0	35.1	30.1	30.9	31.7	31.4	31.1	31.7	31.0	32.8	32.2	37.3	33.0	33.1	39.3	42.6	41.2	42.3	41.7	42.2	40.5	39.5	37.3	35.8
19	D	36.1	35.5	33.2	37.5	29.5	29.6	32.9	34.0	33.1	34.0	33.8	32.2	29.6	32.8	39.4	41.6	41.9	39.9	40.4	42.5	41.6	41.4	37.3	37.0	36.1
20	D	35.3	35.4	33.2	28.8	30.1	33.8	32.3	34.0	31.1	30.6	32.9	32.0	31.1	30.8	29.7	32.7	37.0	39.4	42.1	42.3	41.2	40.4	37.9	39.3	34.7
21		38.3	36.0	29.0	35.3	35.1	35.1	35.1	35.0	34.7	34.3	34.0	35.1	32.9	29.9	32.0	32.9	35.9	39.2	41.6	42.3	42.2	40.7	39.2	39.1	36.0
22		38.3	37.9	36.0	34.7	36.0	36.6	32.2	34.9	34.9	34.0	33.9	32.8	30.9	30.0	29.6	32.3	35.2	38.3	40.1	39.8	39.2	38.3	37.2	37.2	35.4
23		36.9	36.0	35.4	35.3	35.1	34.9	34.4	34.2	34.0	33.3	33.0	31.7	29.9	29.6	30.0	31.7	37.4	39.3	40.2	40.2	40.1	40.2	38.0	36.3	35.3
24		36.1	35.4	35.4	35.4	35.1	34.9	34.4	34.0	33.9	33.3	33.0	31.5	28.8	27.9	31.1	33.2	38.3	41.2	42.5	41.4	39.6	38.3	37.1	36.4	35.3
25		36.1	35.4	35.3	35.5	34.7	34.3	34.3	34.6	35.1	33.2	33.0	31.4	28.6	26.6	26.9	30.9	35.0	39.3	41.4	41.1	39.5	38.0	36.1	36.0	34.7
26		35.2	35.2	35.1	35.2	35.0	34.8	34.2	33.9	33.7	33.1	32.9	31.0	29.3	26.6	27.5	31.1	36.0	42.2	43.5	43.5	41.5	39.2	37.2	37.1	35.2
27	D	37.0	37.0	36.2	34.5	30.7	32.5	34.1	33.1	32.9	32.9	31.1	29.8	30.5	30.7	33.3	32.7	38.4	42.6	42.7	41.9	40.1	38.1	36.3	35.9	35.2
28		35.7	35.2	35.8	35.0	36.0	35.0	33.2	33.1	35.0	38.3	33.0	33.5	33.6	27.4	27.4	31.5	38.0	41.7	43.2	42.1	39.2	37.2	36.0	35.9	35.5
29		35.8	35.3	35.1	34.1	35.0	35.0	33.9	33.7	32.9	33.0	34.2	30.8	27.4	25.5	27.5	31.7	38.1	42.4	43.7	43.5	41.4	39.2	37.3	36.0	35.1
30		35.3	35.0	29.1	27.9	32.8	34.1	34.2	33.7	32.9	33.3	32.4	30.4	26.8	25.4	28.6	30.8	34.9	39.3	43.4	43.6	42.1	40.1	35.4	32.5	33.9
31		34.9	35.6	35.7	35.0	34.9	34.8	34.7	34.2	34.0	33.8	33.1	31.8	28.8	26.8	27.2	30.8	36.1	41.1	43.3	43.1	41.0	38.8	37.1	35.8	35.1
MEAN A		35.8	35.3	34.3	34.0	33.6	34.0	33.9	34.0	33.8	33.6	33.1	32.3	30.8	29.2	29.4	31.9	35.8	39.3	41.2	41.4	40.4	39.1	37.5	36.6	35.0
MEAN Q		35.8	35.1	34.7	34.6	34.4	34.3	34.2	34.2	33.9	33.3	32.8	32.0	30.1	28.9	28.3	30.5	34.3	38.1	40.2	40.3	39.3	38.1	37.1	36.2	34.6
MEAN D		36.1	35.9	34.6	33.2	31.3	32.5	33.1	33.5	32.5	32.6	32.7	31.6	32.5	31.6	33.5	35.6	38.8	40.8	42.1	42.4	41.9	40.6	38.5	37.6	35.6

VERTICAL INTENSITY

TABLE 9 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

MARCH 1967

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		15	15	15	15	15	20	19	15	16	15	15	15	17	15	14	11	5	9	14	15	16	15	16	16	15
2		15	15	15	15	14	14	14	14	14	12	10	10	11	11	12	10	9	14	15	16	15	19	22	20	14
3		15	15	15	14	9	9	11	11	11	10	6	3	5	4	-2	-8	-4	-3	2	5	14	15	16	15	8
4		14	14	15	14	15	14	10	3	9	9	10	10	10	9	3	1	3	9	10	14	14	15	15	15	11
5		14	12	10	12	10	10	14	11	8	10	10	12	15	15	11	10	12	12	9	9	14	20	24	20	13
6		22	20	10	16	15	14	7	14	15	15	14	15	15	15	14	5	3	5	11	16	19	15	16	15	14
7		14	12	11	10	10	10	10	10	9	10	10	11	11	9	3	-2	-5	-5	-1	9	15	16	16	15	9
8	Q	13	11	11	11	10	10	10	10	10	10	10	10	11	10	9	2	-2	-1	3	6	9	10	11	10	8
9	D	10	10	10	10	11	10	9	10	9	5	7	7	9	6	8	3	-2	4	11	19	20	27	29	28	11
10		35	36	26	26	22	19	15	9	13	15	15	16	19	19	15	11	9	8	10	15	17	18	15	15	17
11	Q	14	11	10	10	9	10	9	9	9	9	9	11	11	9	8	3	2	7	14	15	15	13	11	11	10
12	Q	11	10	10	9	9	10	9	9	9	8	10	11	11	10	7	5	5	9	12	15	12	12	12	12	10
13		10	10	10	10	10	10	9	5	5	4	2	5	3	3	-0	-1	-2	2	5	9	10	11	14	15	7
14		15	15	11	9	5	9	9	7	5	3	5	9	10	9	5	4	3	6	10	10	12	15	15	15	9
15	Q	14	12	10	10	10	11	11	10	10	10	10	14	15	11	11	9	5	5	8	8	9	9	10	9	10
16	Q	9	9	9	9	9	9	9	9	9	7	7	9	9	5	3	2	2	2	2	4	7	9	9	9	7
17		9	9	8	8	7	8	8	8	7	7	6	9	9	9	5	1	-2	-5	-2	-2	2	3	5	8	5
18	D	9	7	7	6	9	3	3	3	6	5	5	3	-9	-19	-19	-22	-15	-9	2	11	15	21	26	29	3
19	D	27	26	32	14	15	9	-7	2	5	14	15	16	15	14	10	5	4	18	46	31	26	54	50	34	20
20	D	37	44	43	27	22	20	10	3	-12	3	14	20	19	22	20	19	20	23	31	32	25	32	38	33	23
21		32	33	25	26	21	19	17	16	16	15	15	14	10	9	10	6	3	2	2	3	11	20	32	32	16
22		32	32	27	26	20	10	11	16	16	15	16	16	16	15	15	15	9	4	4	5	9	10	14	14	15
23		14	13	13	12	13	11	11	11	11	10	10	11	9	4	2	-3	3	3	5	10	14	16	19	16	10
24		15	14	11	11	12	13	12	10	10	10	11	14	14	12	9	-0	2	3	6	8	7	9	9	9	10
25		9	9	9	10	10	9	9	7	6	8	9	10	10	9	5	3	-2	-2	-1	3	6	9	10	10	7
26		10	9	9	9	9	9	9	9	9	9	10	13	14	10	6	-1	-2	3	4	4	7	10	13	10	8
27	D	15	20	19	15	9	12	14	10	7	-7	5	11	10	5	-0	-4	-1	8	5	10	15	19	15	12	9
28		9	8	8	8	5	-17	-7	-2	-7	-14	-16	-1	2	4	3	2	2	3	3	3	7	12	14	13	2
29		9	8	8	4	1	1	-2	2	4	4	5	8	9	10	9	8	9	13	12	10	13	13	13	10	8
30		9	9	4	-7	2	7	8	8	6	4	4	8	9	8	4	2	1	2	8	13	18	21	27	31	9
31		25	19	15	14	14	13	13	13	10	9	11	13	14	11	8	4	1	2	4	2	4	8	13	13	10
MEAN A		16	16	14	12	11	10	9	9	8	8	9	11	11	9	7	3	2	5	9	11	13	16	18	17	11
MEAN Q		12	11	10	10	9	10	10	9	9	9	9	11	11	9	8	4	2	4	8	10	10	11	11	10	9
MEAN D		19	21	22	14	13	11	6	6	3	4	9	12	9	5	4	0	1	9	19	20	20	31	32	27	13

AGINCOURT MAGNETIC OBSERVATORY 1967



## HORIZONTAL INTENSITY

TABLE 10 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

APRIL 1967

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	D	210	214	214	215	217	215	218	219	230	215	230	208	209	221	209	197	187	188	197	221	197	205	197	199	210
2		204	206	204	207	209	209	213	215	219	222	216	203	214	216	192	175	159	166	181	208	198	204	202	204	202
3		209	208	205	210	213	210	213	213	211	210	210	209	203	192	181	178	186	198	208	216	225	222	222	224	207
4		222	220	220	243	236	223	218	218	220	223	223	220	219	176	165	163	165	164	173	179	193	209	216	216	205
5		211	213	208	215	215	203	199	194	159	204	198	207	210	199	181	156	160	181	197	210	209	220	220	219	201
6		215	213	210	220	209	214	210	202	198	202	208	210	207	192	178	172	181	193	212	220	224	220	215	214	206
7		208	209	215	204	210	209	208	213	210	215	215	214	208	197	181	172	175	188	214	216	230	225	223	221	207
8		221	219	213	210	204	207	209	209	213	212	211	209	202	187	172	166	165	176	192	209	213	216	220	214	203
9		209	209	214	215	215	216	216	215	218	214	210	209	207	197	176	165	170	184	197	214	220	225	222	220	207
10		224	221	219	210	215	214	215	214	214	216	220	219	208	187	178	172	176	198	214	215	218	205	215	220	209
11		214	215	215	214	215	215	215	215	215	218	220	218	214	200	185	172	171	183	202	214	217	220	221	216	208
12		210	203	207	210	213	215	214	213	210	213	214	209	203	192	176	171	175	188	203	214	220	225	224	225	206
13	Q	225	222	220	221	215	217	216	217	217	217	220	214	199	188	182	186	203	220	234	236	235	235	226	216	216
14	Q	224	223	222	222	222	223	225	231	230	229	227	227	224	213	199	194	197	208	219	225	235	236	231	230	221
15		229	231	227	225	225	224	225	225	225	224	221	220	212	200	187	181	193	212	228	241	231	246	236	235	221
16		231	230	229	224	219	218	214	208	215	215	218	214	203	209	204	192	196	199	210	222	219	220	229	225	215
17		219	203	209	226	204	204	210	209	209	210	214	208	197	187	180	193	207	217	229	242	241	240	231	224	213
18		220	220	215	208	204	206	209	209	208	207	208	205	201	192	181	176	194	203	214	221	230	224	232	224	209
19	D	191	192	182	177	184	197	203	198	183	180	183	139	176	171	167	165	171	176	203	215	236	237	209	196	189
20		203	208	215	204	204	207	203	195	198	203	207	201	192	181	169	166	171	183	198	220	230	222	220	220	201
21		209	202	199	204	203	193	198	193	194	193	202	202	199	188	167	156	162	176	190	213	224	236	225	225	198
22	D	203	199	197	197	208	210	214	198	155	181	208	203	204	196	172	162	172	198	225	236	233	238	231	219	203
23	D	224	226	215	224	224	226	226	226	229	232	234	231	225	215	182	155	129	173	207	224	209	226	230	215	213
24	D	204	203	181	198	198	202	205	205	209	201	202	197	192	166	156	143	160	176	194	174	233	235	241	225	196
25		228	217	213	214	215	209	213	213	213	209	210	210	203	187	171	156	166	187	208	221	228	229	220	220	207
26	Q	220	219	220	219	220	220	217	218	216	215	216	213	203	187	182	192	202	213	224	225	225	229	229	229	214
27	Q	224	225	224	221	221	221	223	223	224	221	223	225	220	209	195	190	188	193	203	213	220	225	230	230	216
28	Q	229	228	228	228	225	222	224	225	225	225	225	225	220	208	193	188	193	203	215	230	241	240	226	230	221
29		230	227	224	225	225	225	225	225	227	229	227	225	220	203	193	183	194	224	236	242	235	237	230	235	223
30		233	231	231	230	231	230	232	230	232	230	226	224	218	209	197	192	198	210	225	230	233	230	231	230	224
MEAN A		217	215	213	215	214	213	214	213	212	213	215	211	208	196	182	174	178	192	208	219	223	226	224	221	209
MEAN Q		225	223	223	222	221	221	221	223	223	221	222	222	218	207	192	187	191	202	214	225	231	232	230	229	218
MEAN D		207	207	198	202	206	210	213	209	201	202	212	196	201	194	177	164	164	182	205	214	222	228	222	211	202

## DECLINATION

TABLE 11 AGINCOURT

D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES

APRIL 1967

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	D	35.5	36.2	35.6	35.6	35.4	35.2	34.5	34.2	33.2	35.6	36.6	37.3	35.6	29.8	28.0	32.9	36.7	40.6	43.7	44.5	43.8	42.3	41.0	38.5	36.8
2		37.1	36.6	36.5	36.2	33.5	32.3	33.3	33.4	34.1	33.0	33.1	37.2	39.2	29.2	27.9	31.9	34.2	40.6	40.8	40.6	39.5	38.5	38.4	37.1	35.6
3		35.3	28.9	31.7	35.1	35.2	34.4	34.0	33.8	33.3	33.3	33.0	31.5	28.9	27.8	29.7	34.2	38.3	40.4	41.3	40.6	39.5	38.2	37.2	36.8	34.7
4		36.5	36.0	35.3	35.0	34.2	30.1	28.8	30.0	30.4	32.2	31.8	29.7	26.4	24.6	30.9	35.0	36.4	39.5	41.4	42.3	41.1	39.4	37.2	36.2	34.2
5		35.3	35.7	36.0	35.3	37.1	36.2	30.3	32.8	34.2	32.9	35.0	34.3	29.7	28.3	28.0	34.1	39.0	41.2	42.5	42.3	40.1	38.1	36.3	35.0	35.4
6		35.0	34.1	33.0	33.7	31.7	33.7	33.9	27.8	30.1	31.1	32.7	31.9	29.7	31.8	32.8	35.3	41.4	41.3	41.2	39.6	38.2	36.3	34.9	34.0	34.4
7		34.0	34.0	32.1	32.9	33.2	35.0	33.6	32.9	32.8	33.6	32.7	31.0	28.7	27.8	29.4	34.2	39.5	43.1	44.3	43.3	40.4	38.2	36.2	35.3	34.9
8		35.0	33.6	32.0	31.7	33.1	33.9	33.8	33.8	33.5	33.8	32.1	30.8	28.5	26.4	26.8	31.8	36.5	40.2	41.9	41.6	40.1	38.2	36.8	35.8	34.2
9		33.9	35.1	32.0	34.8	34.9	34.9	34.7	34.1	33.9	34.9	33.9	30.4	27.6	27.3	28.3	32.8	38.1	41.6	42.3	41.6	40.4	38.9	36.3	36.0	34.9
10		35.2	35.0	34.6	32.9	34.9	34.4	33.8	32.9	32.8	33.3	32.8	30.7	29.4	27.4	29.6	33.9	39.3	42.3	44.2	44.0	42.3	39.3	37.1	36.0	35.3
11		35.1	34.9	34.8	34.9	34.7	34.2	33.9	33.8	33.8	33.9	33.1	31.4	30.1	28.3	28.8	30.6	34.7	40.1	43.4	43.4	41.5	40.3	38.2	37.8	35.2
12		37.1	36.1	35.7	30.0	34.0	34.1	34.0	33.5	33.7	33.3	33.0	30.9	29.7	29.5	31.8	37.1	41.5	44.3	44.3	43.3	41.1	39.0	37.1	36.1	35.9
13	Q	35.7	35.4	35.1	30.0	34.8	34.6	34.3	34.0	33.6	32.9	31.7	29.7	28.3	28.3	29.8	33.0	37.2	41.3	42.5	42.3	40.4	38.4	36.9	35.2	35.0
14	Q	34.8	34.8	34.8	35.0	34.9	34.2	34.1	33.1	32.7	32.1	31.8	30.8	29.0	29.7	30.8	32.9	37.0	41.1	41.4	40.5	39.2	37.5	37.1	36.2	34.8
15		35.9	35.0	35.0	35.0	34.9	34.2	34.0	32.8	32.2	31.9	31.8	30.7	29.4	27.6	30.0	35.0	39.2	42.5	44.2	43.7	41.4	40.2	38.3	36.7	35.5
16		36.2	36.1	36.3	35.2	36.2	34.8	31.6	31.9	32.4	31.0	30.6	29.8	30.3	30.7	31.9	32.9	38.2	41.5	42.4	41.4	39.3	35.1	34.9	35.1	34.8
17		36.3	37.1	27.5	31.6	29.9	30.9	31.8	31.8	31.7	35.0	31.8	27.6	26.2	26.9	31.0	37.6	40.7	42.5	43.4	42.5	40.6	38.4	37.1	37.1	34.5
18		36.2	36.8	36.1	34.8	34.3	35.2	34.3	33.5	31.6	30.5	29.7	28.4	28.9	30.0	35.7	39.3	40.2	42.3	42.4	41.4	39.3	38.0	36.1	38.2	35.6
19	D	37.1	37.1	29.9	36.2	34.7	34.7	34.9	34.0	37.1	25.5	19.5	24.4	27.1	27.0	41.7	35.1	39.0	40.5	40.2	40.6	39.2	37.9	36.1	36.0	34.4
20		37.0	36.3	34.0	35.1	35.3	35.2	36.0	36.2	33.5	31.4	28.8	28.8	26.9	28.7	31.8	37.0	40.3	43.5	44.8	43.7	40.2	37.1	36.1	35.6	35.6
21		36.2	34.8	34.2	35.3	36.9	34.9	32.2	33.7	32.2	28.9	29.6	27.6	27.6	28.7	30.8	37.2	42.7	47.7	47.8	44.6	41.3	37.4	36.2	35.7	35.6
22	D	35.8	33.9	33.1	35.0	34.9	36.0	34.8	32.9	40.1	36.1	24.5	23.5	22.6	26.5	31.9	36.1	43.5	44.8	43.6	42.7	41.3	38.4	36.5	37.1	35.2
23	D	37.8	39.5	38.0	36.7	36.3	35.7	34.3	33.2	32.1	31.6	29.8	28.8	27.6	26.8	27.6	32.9	45.8	52.9	48.9	44.6	40.3	35.3	34.1	32.7	36.0
24	D	31.7	31.5	20.2	28.7	18.0	27.2	32.8	33.2	36.8	38.0	33.9	30.7	29.7	31.3	32.9	39.4	43.0	43.3	42.5	40.4	38.9	35.3	35.2	34.9	33.7
25		29.8	31.8	31.9	34.7	31.9	35.1	35.3	36.0	36.1	36.4	32.9	29.6	27.6	26.5	28.4	33.1	38.6	43.3	45.4	44.5	41.5	38.2	36.2	35.8	35.0
26	Q	35.0	35.9	35.4	35.0	34.0	35.0	35.2	35.0	34.5	34.0	32.7	30.9	29.5	27.7	28.4	33.4	38.0	40.2	41.4	41.3	40.3	39.3	37.5	36.3	35.2
27	Q	35.9	35.1	35.2	35.0	34.9	34.7	34.5	34.0	33.7	32.9	31.7	30.0	28.8	28.7	28.4	30.9	35.0	38.4	40.5	41.4	40.9	39.6	38.2	36.5	34.8
28	Q	36.0	35.3	35.0	34.6	34.3	33.3	34.3	34.1	34.0	33.6	31.8	29.6	27.9	27.8	27.9	30.8	36.0	39.3	42.0	43.3	42.0	40.1	37.4	36.0	34.8
29		35.0	34.9	34.8	36.0	35.1	35.0	34.9	34.8	36.0	34.0	30.8	28.4	26.4	25.5	29.4	32.1	36.1	42.1	42.5	41.7	40.1	39.3	37.2	36.1	34.9
30		35.4	36.1	36.0	36.0	35.0	34.9	35.0	35.1	34.0	33.2	31.8	29.9	27.8	27.7	29.7	33.9	38.4	40.6	41.7	40.3	39.2	38.5	38.0	36.4	35.2
MEAN A		35.4	35.1	33.7	34.4	33.9	34.1	33.8	33.4	33.7	33.0	31.5	30.2	28.8	28.1	30.3	34.2	38.8	42.1	43.0	42.3	40.4	38.4	36.9	36.1	35.1
MEAN Q		35.5	35.3	35.1	34.9	34.6	34.4	34.5	34.0	33.7	33.1	32.0	30.2	28.7	28.4	29.1	32.2	36.7	40.0	41.6	41.8	40.6	39.0	37.4	36.0	34.9
MEAN D		35.6	35.6	31.4	34.4	31.9	33.7	34.3	33.5	35.9	33.4	28.9	28.9	28.5	28.3	32.4	35.3	41.6	44.4	43.8	42.6	40.7	37.9	36.6	35.8	35.2

## VERTICAL INTENSITY

TABLE 12 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

APRIL 1967

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	D	13	11	10	10	10	9	9	8	5	-13	-27	-24	-18	-15	-19	-17	-10	-3	3	12	14	31	37	32	3
2		20	15	14	14	10	14	14	10	3	-2	3	-1	-20	-10	-4	-3	-0	14	20	26	26	27	26	20	10
3		17	13	6	13	12	11	11	11	10	11	12	13	11	6	-3	-9	-10	-4	1	3	7	7	8	10	7
4		9	9	9	11	9	-2	2	7	9	6	6	8	8	1	-4	-4	-5	-3	5	13	18	19	19	15	7
5		13	13	13	12	5	-14	-15	-15	-5	-2	1	0	6	5	1	-1	6	12	17	19	18	18	18	17	6
6		16	16	11	-11	-22	-20	-27	-17	-10	-2	7	8	7	5	-2	-7	-3	-2	4	9	12	12	12	12	0
7		14	13	-0	5	8	-5	-6	5	6	6	8	11	10	8	2	4	1	6	12	17	17	16	12	11	8
8		11	11	11	7	7	12	11	12	11	11	11	11	12	13	11	7	7	11	18	22	21	18	21	18	13
9		17	17	12	11	10	9	10	9	8	5	5	7	8	9	7	4	0	6	12	17	17	20	21	15	11
10		12	11	11	9	10	11	9	9	11	11	12	12	10	8	5	3	8	11	18	23	27	19	18	17	12
11		14	11	10	10	10	9	10	10	10	10	10	12	14	14	10	1	-6	-1	6	12	16	22	26	26	11
12		27	28	26	15	14	12	11	10	10	11	15	16	14	11	10	11	11	14	15	18	20	20	16	16	16
13	Q	15	14	14	11	11	12	11	11	10	10	11	11	10	8	4	4	3	4	10	17	17	15	16	14	11
14	Q	11	10	10	10	8	8	7	8	5	4	6	6	5	6	6	4	-1	1	7	12	12	10	10	10	7
15		8	6	5	5	6	6	4	2	3	4	5	7	7	4	-3	-7	-7	-5	2	8	6	12	10	10	4
16		10	7	7	10	11	10	-0	8	10	10	10	7	4	-0	-2	-5	-1	4	14	26	33	28	23	18	10
17		22	33	23	-34	-1	12	15	15	11	1	-7	-1	5	6	-0	-6	-2	4	7	10	12	12	11	12	7
18		15	15	16	15	16	17	15	12	11	10	14	10	6	-0	-2	-13	-13	-1	10	12	15	16	30	40	11
19	D	60	51	34	3	22	32	32	18	-40	-48	-19	6	15	10	16	22	26	22	31	39	53	52	43	28	21
20		22	22	16	14	18	16	16	20	16	16	22	19	16	16	16	16	16	20	22	28	28	27	22	26	20
21		27	29	27	23	16	12	15	16	20	22	22	21	18	16	13	12	12	16	18	27	28	30	28	30	21
22	D	33	35	33	39	27	20	-0	9	-26	-43	-0	5	12	11	11	11	10	14	17	22	27	35	33	23	15
23	D	23	24	28	16	15	14	14	14	15	16	15	15	11	10	5	-3	-5	14	29	38	39	38	33	33	19
24	C	33	34	16	-1	-52	-7	10	15	8	-1	-8	-4	3	5	6	6	11	20	34	39	37	39	33	27	13
25		22	12	13	-18	-7	10	13	13	11	13	16	17	16	16	11	6	9	16	17	22	23	23	22	19	13
26	Q	17	16	15	14	10	7	10	11	11	12	14	15	12	11	4	-2	-3	-0	4	8	7	10	11	11	9
27	Q	11	11	11	11	11	8	10	9	10	10	11	11	11	8	3	-7	-11	-5	-2	3	8	14	16	12	7
28	Q	11	11	11	11	10	10	11	11	11	11	11	10	6	4	-0	-1	-1	-3	-2	1	10	12	11	13	7
29		11	11	11	11	10	10	10	10	6	2	6	6	5	3	-1	-13	-14	-2	3	6	6	7	6	10	5
30		10	10	10	10	8	8	8	6	3	5	9	11	10	10	4	-3	-9	-5	1	4	4	5	9	9	6
MEAN A		18	17	14	9	7	8	8	9	5	4	7	8	8	7	4	0	1	6	12	17	19	20	20	18	10
MEAN Q		13	13	12	11	10	9	10	10	9	10	10	11	9	7	4	-0	-3	-1	4	8	11	12	13	12	8
MEAN C		32	31	24	13	4	14	13	13	-8	-18	-8	-0	5	4	4	3	6	13	23	30	34	39	36	29	14

HORIZONTAL INTENSITY

TABLE 13 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

MAY 1967

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		228	229	222	218	219	218	226	229	229	233	230	224	214	197	186	183	191	201	214	267	271	236	255	238	223
2		222	229	228	229	231	229	222	229	234	202	204	214	210	199	190	194	217	218	231	236	255	250	241	218	222
3	D	181	161	131	72	143	47	68	100	62	41	124	95	73	100	84	101	121	207	271	298	314	254	251	213	146
4		186	187	191	181	186	186	182	186	180	177	182	186	172	154	155	164	173	186	198	212	208	214	211	214	186
5		215	193	186	186	185	184	187	186	191	192	199	201	195	191	175	160	159	158	196	207	222	223	224	207	193
6		203	209	210	209	207	208	203	202	202	201	198	192	186	182	175	170	168	186	211	228	235	234	222	212	202
7		203	208	191	196	197	180	207	206	187	198	219	214	205	196	182	180	190	207	222	230	231	219	213	214	204
8	Q	213	213	214	215	212	214	219	219	219	216	213	207	196	186	175	182	196	207	219	228	224	225	223	218	211
9	Q	219	212	212	214	218	219	218	219	219	222	220	216	203	192	180	181	185	197	207	219	225	226	223	222	211
10		218	226	222	220	218	219	218	220	222	221	218	209	209	196	175	166	197	218	229	239	235	234	224	228	216
11		229	220	217	225	215	225	223	219	218	215	214	213	208	199	188	177	187	202	213	230	247	261	240	213	217
12		219	223	210	202	204	229	224	224	219	214	222	220	213	199	182	182	192	198	215	229	226	235	229	235	214
13		214	225	221	204	198	197	213	210	214	214	213	208	202	194	181	177	192	203	215	234	242	243	236	235	212
14		221	220	217	214	216	214	214	214	215	222	224	220	213	203	183	177	196	214	231	246	244	251	244	220	218
15		200	199	199	204	208	208	208	212	214	215	219	214	210	203	197	188	193	199	214	218	208	219	220	215	208
16	Q	214	215	214	213	214	230	219	220	219	220	224	219	214	203	192	187	195	211	225	235	245	237	235	229	218
17		231	214	207	199	214	221	209	215	215	215	214	209	209	208	198	204	203	216	225	238	241	226	236	227	217
18		209	216	220	213	216	219	215	214	219	214	210	219	209	198	189	194	209	222	231	231	236	238	240	236	217
19		248	240	222	220	212	210	220	220	219	215	221	218	204	182	178	171	183	203	216	227	241	227	226	230	215
20	Q	231	235	223	221	220	220	220	215	220	216	215	215	205	193	181	183	201	215	227	236	238	230	237	231	218
21		230	230	226	222	223	221	222	221	216	218	220	221	214	197	182	178	189	211	181	247	221	220	220	231	215
22	Q	227	221	223	227	227	227	227	231	227	226	226	220	205	195	190	201	221	237	244	248	248	243	242	239	225
23		237	237	237	238	242	233	232	232	231	233	243	238	231	213	198	189	195	221	216	232	269	270	249	234	231
24		238	242	237	237	236	236	237	234	232	238	237	221	210	199	194	194	200	216	259	238	254	255	252	258	231
25	D	238	237	238	238	242	238	243	243	242	236	242	239	244	20	55	221	234	216	222	273	450	1129	921	123	291
26	D	141	265	-221	-266	-151	-708	-134	-489	-107	-15	-13	-30	9	-3	99	114	128	137	151	175	195	213	185	217	-4
27		185	179	191	186	169	165	162	153	169	177	165	162	165	163	163	164	174	194	198	216	238	235	251	231	186
28	D	179	180	190	196	202	200	207	205	179	120	120	200	201	190	190	159	197	199	210	280	314	342	335	286	212
29	D	215	164	158	61	117	-65	-23	51	-36	98	110	148	136	142	164	168	165	180	197	212	211	206	200	216	133
30		207	205	207	211	210	208	206	200	196	201	208	211	201	185	131	99	206	248	272	233	233	248	263	226	209
31		270	269	107	174	171	56	179	196	194	195	195	190	184	173	164	158	173	191	200	217	211	210	207	200	187
MEAN A		215	216	192	186	194	164	190	182	189	193	198	198	192	176	170	173	187	203	218	234	246	266	257	223	203
MEAN Q		221	219	217	218	218	222	221	221	221	220	220	216	207	196	185	184	196	210	223	233	236	232	232	221	216
MEAN D		191	201	99	60	111	-58	72	22	68	96	117	130	132	90	119	153	169	188	210	247	297	429	378	211	156

AGINCOURT MAGNETIC OBSERVATORY 1967



## DECLINATION

TABLE 14		AGINCOURT																				D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES		MAY 1967			
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	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		35.8	34.7	32.6	32.5	32.6	32.6	34.8	32.8	33.5	33.5	32.6	29.8	28.4	29.5	31.3	35.6	39.1	41.8	41.3	40.8	42.9	41.9	38.9	36.8	35.3	
2		37.7	37.9	36.0	33.6	29.5	30.3	29.8	31.4	24.2	26.7	27.7	27.2	29.6	30.4	32.0	33.9	39.4	35.6	37.9	37.7	33.9	34.2	30.7	28.5	32.3	
3	D	25.4	20.9	23.3	13.6	26.0	37.7	40.9	26.2	19.8	29.4	28.0	44.0	44.3	45.6	49.6	49.9	47.1	43.5	41.6	38.8	32.9	39.0	39.9	38.0	35.2	
4		33.8	35.9	35.7	32.8	35.0	34.8	34.2	33.4	32.7	34.7	31.4	28.8	28.5	33.5	37.8	40.1	41.5	42.2	42.4	41.4	40.3	39.0	36.7	35.9	35.9	
5		32.6	30.8	32.1	31.5	31.7	32.4	32.8	32.7	34.8	38.0	30.4	27.8	26.5	26.8	28.8	34.7	38.5	43.0	44.1	44.1	42.0	38.5	35.9	34.9	34.4	
6		34.8	35.6	34.7	32.9	36.1	37.0	34.0	34.0	33.7	32.5	29.8	27.3	26.3	28.6	30.8	35.8	40.1	44.2	44.5	43.4	41.0	38.9	36.9	36.1	35.4	
7		36.7	35.8	32.0	31.8	27.5	34.9	31.8	35.1	39.1	39.0	30.0	27.7	26.7	28.5	32.1	38.2	41.7	42.3	42.1	41.1	39.0	36.9	35.8	35.8	35.1	
8	Q	36.8	37.0	36.8	36.2	35.9	35.3	35.0	34.3	33.8	33.0	32.0	31.2	31.6	31.7	35.4	39.1	42.2	42.6	42.5	40.4	38.4	36.0	34.7	33.9	36.1	
9	Q	33.9	35.2	35.3	35.9	35.2	33.0	33.1	34.3	33.9	33.8	31.9	28.8	28.5	28.6	30.0	35.7	40.5	42.4	43.2	42.6	40.5	38.3	37.0	35.2	35.3	
10		35.9	35.8	35.8	36.0	36.0	33.0	35.1	34.6	33.8	32.7	31.3	30.6	28.7	30.7	31.9	38.4	43.9	44.4	44.4	43.6	41.2	38.5	36.6	34.3	36.1	
11		32.1	32.8	34.8	28.5	34.2	35.3	32.1	34.2	33.9	32.9	30.1	28.7	28.6	27.9	29.5	35.1	39.4	42.1	44.4	44.3	42.7	40.6	40.2	38.4	35.1	
12		37.1	35.8	29.6	25.5	39.4	36.3	35.1	35.0	34.7	37.3	31.8	27.6	26.7	28.6	30.8	37.1	41.3	44.5	45.8	45.3	43.5	41.3	37.4	36.7	36.0	
13		36.0	36.1	32.0	27.6	36.3	43.7	35.1	33.4	33.2	33.0	31.8	30.9	30.6	31.8	33.3	39.1	40.4	42.3	42.6	41.5	41.3	39.4	38.1	35.3	36.0	
14		36.0	33.9	35.2	34.3	37.1	35.1	35.0	35.0	34.0	32.8	30.7	28.9	27.8	27.9	31.1	36.3	42.8	42.7	43.1	42.5	39.2	38.1	39.2	37.9	35.7	
15		39.2	35.0	35.1	36.9	37.2	37.0	36.1	35.4	35.2	34.5	32.8	31.8	31.0	29.7	30.9	33.9	38.3	42.3	43.5	43.6	42.3	39.3	37.2	35.5	36.4	
16	Q	34.4	35.2	35.0	34.8	34.8	35.1	33.9	34.9	34.4	35.1	31.8	29.7	29.4	30.2	32.2	36.0	40.2	42.7	43.8	44.5	43.3	40.6	38.3	36.8	36.1	
17		34.0	31.7	33.8	33.0	34.5	31.1	33.3	35.0	34.0	32.9	31.8	30.6	29.0	28.6	30.8	38.0	39.2	41.4	43.4	44.4	41.4	40.4	37.1	36.3	35.1	
18		35.1	36.1	35.2	33.9	36.3	38.3	33.3	33.9	35.0	31.8	28.3	26.7	25.8	25.6	29.0	33.8	36.3	38.6	40.2	40.7	39.2	37.1	36.0	35.2	34.2	
19		34.3	35.1	35.1	32.1	32.1	28.8	35.1	34.2	34.3	32.1	29.7	27.8	26.8	31.0	32.9	34.0	37.7	40.1	41.9	41.7	40.2	38.1	36.1	35.4	34.4	
20	Q	32.9	27.9	32.9	35.0	35.3	35.2	35.1	36.1	35.1	32.9	29.9	28.5	27.9	28.9	32.0	38.5	42.2	42.6	41.9	41.3	39.1	36.1	33.9	33.9	34.8	
21		34.8	34.0	36.0	36.1	36.6	36.5	36.1	34.9	33.9	32.0	30.0	26.7	25.5	27.1	31.7	38.0	43.6	46.6	45.9	47.7	43.2	37.4	34.0	42.8	36.3	
22	Q	31.8	33.9	35.1	36.1	36.3	35.1	34.9	34.5	33.9	33.0	29.7	27.5	26.6	29.1	33.9	39.2	43.8	45.5	45.3	43.9	40.4	36.5	34.2	34.0	35.6	
23		35.0	36.0	36.0	35.9	34.9	34.0	33.2	32.1	32.0	31.6	27.6	25.6	22.7	23.7	27.9	33.6	40.2	43.4	51.2	51.8	45.7	39.2	36.1	35.3	35.2	
24		36.1	35.9	36.5	36.1	36.0	34.9	33.9	32.9	34.0	30.9	27.8	26.7	25.9	30.8	35.7	38.4	41.3	41.7	42.3	45.6	44.5	41.0	39.3	37.5	36.1	
25	D	37.4	37.2	36.1	36.0	35.0	34.0	33.4	32.9	32.7	33.1	30.9	25.1	24.6	32.9	40.0	47.9	41.2	37.1	41.6	48.5	42.6	102.3	113.1	86.0	44.2	
26	D	76.8	62.6	94.3	51.9	46.6	108.2	47.8	85.0	36.1	32.5	35.1	37.1	43.8	41.8	36.0	36.9	38.6	42.3	41.7	41.5	41.4	40.6	41.3	36.0	49.8	
27		37.3	38.4	29.9	35.1	36.6	35.2	37.1	40.6	35.3	30.8	26.5	27.8	27.4	30.9	34.9	35.8	37.1	38.0	39.4	39.4	38.4	38.4	35.3	34.9	35.0	
28	D	37.4	38.1	37.0	35.1	34.9	35.1	36.3	40.1	39.4	42.0	32.3	23.9	23.2	19.1	30.0	31.8	42.3	39.4	40.0	38.5	35.8	35.0	37.4	39.3	35.1	
29	D	34.9	29.9	26.6	28.1	32.2	29.4	32.3	29.7	53.0	33.9	44.9	37.4	38.4	40.4	38.1	33.1	35.2	38.0	38.4	39.3	39.2	38.1	37.2	35.5	36.0	
30		37.0	35.9	36.9	36.1	35.0	37.2	34.0	36.0	37.0	34.2	30.8	28.0	27.9	30.2	30.7	44.4	45.9	40.4	40.2	41.7	39.4	40.2	40.4	34.9	36.4	
31		29.8	30.1	29.8	26.6	30.7	52.2	32.9	33.0	35.0	33.9	32.0	29.8	28.8	30.6	33.1	37.0	40.3	42.1	43.5	43.1	42.5	41.5	40.8	39.0	35.7	
MEAN A		36.2	35.2	35.7	33.3	34.7	37.7	34.8	35.7	34.4	33.4	31.0	29.4	28.9	30.3	33.0	37.3	40.7	41.8	42.7	42.7	40.6	40.7	39.5	37.6	36.1	
MEAN Q		34.0	33.8	35.0	35.6	35.5	34.7	34.4	34.8	34.2	33.6	31.0	29.2	28.8	29.7	32.7	37.7	41.8	43.1	43.3	42.5	40.3	37.5	35.6	34.8	35.6	
MEAN D		42.4	37.7	43.5	32.9	34.9	48.9	38.1	42.8	36.2	34.2	34.2	33.5	34.9	36.0	38.8	39.9	40.9	40.1	40.7	41.3	38.4	51.0	53.8	47.0	40.1	

VERTICAL INTENSITY

TABLE 15 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

MAY 1967

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		7	7	9	10	3	-7	-3	4	7	4	-1	-2	-2	-2	-3	-2	-1	2	13	19	18	23	44	6	
2		30	19	18	13	8	7	-3	-3	-3	-16	-31	-14	0	2	2	2	11	9	20	31	43	58	75	70	14
3	D	47	-8	-46	-122	-127	-174	-139	-82	-110	-140	-138	-157	-94	-43	-14	26	84	155	172	145	137	104	121	131	-11
4		93	64	42	42	31	25	24	22	19	26	22	20	14	8	13	21	25	24	27	35	36	37	37	34	31
5		37	32	31	30	28	24	14	18	13	-16	8	14	13	13	13	13	9	2	5	13	19	24	31	36	18
6		31	24	24	14	19	1	8	18	20	23	24	20	19	14	9	4	2	2	8	14	20	30	30	31	17
7		30	36	43	39	14	-20	-21	10	1	-3	23	25	23	24	17	8	13	18	20	24	24	26	25	25	18
8	Q	20	20	19	19	19	19	19	19	17	18	19	18	13	9	5	2	4	13	19	22	25	24	22	19	17
9	Q	18	18	18	18	14	7	1	-1	5	13	13	14	15	13	7	6	13	17	13	15	18	19	19	19	13
10		18	18	18	18	17	13	18	18	18	18	19	14	12	11	8	7	12	8	9	16	23	26	23	24	16
11		25	23	25	3	0	-8	7	14	14	18	19	18	13	8	8	2	-5	-9	-3	7	15	26	34	28	12
12		18	18	18	1	-10	-8	10	15	13	7	7	12	12	7	2	1	2	4	12	19	23	29	35	29	11
13		21	23	24	24	25	-9	-15	11	19	23	23	20	18	11	3	-1	1	3	12	25	36	40	40	35	17
14		30	23	20	19	12	12	14	18	17	22	23	19	18	13	11	12	13	12	17	35	57	59	60	58	25
15		58	48	41	30	24	19	19	19	19	23	24	23	19	13	11	12	13	7	7	16	19	30	35	35	24
16	Q	30	28	24	23	22	-2	7	16	17	12	17	18	16	11	2	-4	-4	-5	-1	7	11	17	24	23	13
17		29	30	30	35	23	-4	16	20	21	22	23	17	10	7	6	5	5	-0	6	12	23	24	34	34	18
18		31	24	23	25	23	-1	-5	11	1	0	6	12	12	12	8	2	0	6	11	11	12	17	16	12	11
19		17	18	28	17	2	-9	-16	1	6	11	17	17	12	8	8	1	0	-3	6	12	18	17	17	18	9
20	Q	18	13	11	13	12	11	9	6	6	16	17	17	18	16	5	-2	2	6	6	11	17	19	22	21	12
21		18	18	17	18	17	16	16	17	18	22	22	21	17	12	7	5	6	7	12	18	17	22	23	24	16
22	Q	25	27	21	17	16	11	11	11	12	15	12	12	11	7	2	-2	-1	10	12	19	17	17	16	16	13
23		11	10	11	11	11	11	10	11	11	16	17	16	10	5	2	1	-1	4	6	11	24	34	33	23	12
24		17	16	12	11	11	10	10	10	10	12	11	11	6	-1	-6	-1	-1	3	5	3	6	10	10	15	8
25	D	11	11	10	10	10	10	10	9	7	11	9	7	1	-18	-25	-61	-8	-29	16	51	172	-181	-164	-18	-6
26	D	85	87	81	112	85	16	40	-112	-61	-95	-23	-29	5	33	62	74	77	68	63	60	67	74	63	86	38
27		72	60	50	35	33	39	29	-1	21	32	33	30	32	31	22	16	20	26	32	44	62	77	88	70	40
28	D	44	38	36	28	26	22	31	-29	-74	-121	-131	-41	9	26	25	3	5	5	40	116	148	144	140	115	25
29	D	64	-15	5	-176	-89	-227	-205	-205	-233	-103	-53	-31	-13	-7	4	19	21	27	38	47	49	48	49	50	-39
30		44	42	37	33	26	18	9	16	22	32	31	31	31	26	16	37	43	44	77	106	111	104	116	123	49
31		129	108	-215	-56	-86	-216	-44	36	42	44	45	44	44	43	41	38	38	33	32	37	39	43	40	38	12
MEAN A		36	28	16	10	7	-13	-4	-3	-3	-2	3	6	10	10	9	8	13	15	23	32	42	33	37	41	15
MEAN C		22	21	19	18	17	9	9	10	11	15	16	16	14	11	4	-0	3	8	10	15	18	19	21	20	14
MEAN D		50	22	17	-30	-19	-71	-53	-84	-94	-90	-67	-50	-19	-2	10	12	36	45	66	84	114	38	42	73	1

AGINCOURT MAGNETIC OBSERVATORY 1967

## HORIZONTAL INTENSITY

TABLE 16		AGINCOURT																							H = 16000 PLUS TABULAR VALUES IN GAMMAS		JUNE 1967	
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	Q	196	197	200	196	195	195	192	190	190	192	191	190	190	171	164	168	169	187	196	205	212	211	209	211	193		
2		217	216	212	211	211	208	205	205	201	191	196	196	191	174	174	173	186	205	213	228	226	217	222	216	204		
3		223	223	207	208	217	212	211	211	209	209	211	209	201	190	175	175	181	196	165	239	243	233	227	222	208		
4		223	222	218	218	219	223	219	217	216	212	217	216	190	190	181	175	181	207	227	230	228	233	248	239	214		
5	D	201	201	208	210	211	212	212	218	227	227	228	211	206	206	208	212	206	207	227	295	273	338	369	495	242		
6	D	325	-1	110	207	122	163	169	169	169	176	186	190	190	185	174	164	168	180	218	218	229	282	227	254	186		
7		254	189	186	194	175	179	158	143	169	179	186	187	180	174	161	148	148	158	169	180	192	202	207	208	180		
8		211	212	216	214	216	217	218	221	217	217	195	206	202	163	158	173	180	200	200	213	238	250	234	222	208		
9		218	216	218	211	211	191	212	200	205	212	200	188	212	207	196	188	186	191	207	218	221	227	235	245	209		
10		222	221	213	216	213	217	212	207	205	212	211	217	218	218	211	202	195	195	206	211	219	222	234	227	214		
11		221	222	222	224	217	216	217	218	220	222	223	223	163	207	201	197	208	216	226	218	214	223	229	227	216		
12		223	228	222	218	215	217	217	219	222	223	222	218	207	192	193	191	187	195	208	229	233	235	238	230	216		
13		235	236	228	224	230	229	229	228	225	229	229	228	225	215	206	206	207	218	228	231	229	230	230	234	226		
14		235	232	213	224	223	224	218	218	223	222	212	210	192	198	203	208	217	215	224	239	226	238	240	238	220		
15		232	198	204	215	219	218	210	220	220	220	219	215	208	199	193	203	216	223	234	241	242	235	231	229	218		
16		231	232	229	227	224	224	224	225	226	220	219	218	213	210	204	197	213	224	236	241	247	242	241	245	225		
17		232	232	233	232	232	232	236	231	236	230	225	228	226	219	199	193	188	215	240	251	256	253	253	236	229		
18	Q	220	215	221	221	221	225	224	225	226	226	225	219	211	205	204	208	214	226	241	248	242	237	241	224			
19		237	237	233	233	233	237	237	234	236	236	232	228	227	221	204	201	216	228	231	238	242	243	242	243	231		
20	Q	237	237	238	239	236	231	233	234	237	236	235	234	226	211	200	197	201	226	233	237	242	248	243	243	231		
21		238	238	238	238	237	237	237	237	237	237	242	238	233	222	212	209	211	223	243	255	269	259	248	231	236		
22		233	236	238	239	231	227	228	227	232	239	243	233	217	205	194	194	204	218	237	248	248	243	244	243	229		
23	Q	242	242	243	243	238	237	237	236	237	237	238	236	229	220	215	212	216	222	237	249	257	247	243	233	235		
24	Q	237	237	237	237	236	234	236	231	231	233	233	236	228	217	205	194	202	220	231	238	243	253	259	247	232		
25	D	237	237	248	259	258	255	254	250	249	257	254	254	247	242	233	226	226	223	228	252	248	281	286	296	250		
26	D	276	195	201	203	199	209	225	230	225	215	215	210	211	203	193	179	189	220	242	251	253	241	232	247	219		
27	D	253	219	204	192	176	183	200	210	210	209	188	205	203	199	196	197	193	197	198	205	215	241	242	257	208		
28		236	219	224	221	224	225	229	229	228	209	191	181	199	192	181	175	176	189	218	225	219	226	231	224	211		
29		222	223	225	228	235	234	202	208	219	219	218	218	212	201	187	176	175	190	219	231	235	234	229	254	216		
30		223	218	223	223	224	223	219	224	218	218	212	220	230	204	193	187	191	209	222	244	243	246	252	240	221		
MEAN A		233	214	217	221	217	218	217	217	219	219	217	216	210	202	194	191	195	207	220	233	236	243	242	246	218		
MEAN Q		227	226	228	227	225	224	224	223	224	225	225	224	218	206	198	195	199	214	225	234	241	240	239	235	223		
MEAN D		258	170	194	214	193	204	212	215	216	217	214	214	211	207	201	195	197	205	223	244	243	277	271	310	221		

## DECLINATION

TABLE 17 AGINCOURT

D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES

JUNE 1967

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	Q	38.5	38.3	37.7	37.1	37.9	37.4	37.1	36.5	36.2	34.5	32.5	30.9	30.5	30.9	33.7	36.6	38.8	41.5	41.8	42.5	41.6	40.4	38.7	37.7	37.0
2		36.5	36.3	37.2	38.2	38.3	38.1	37.4	37.3	37.3	37.4	35.1	30.2	28.2	28.9	33.0	39.7	44.6	42.6	42.6	42.6	41.6	40.5	37.4	35.4	37.4
3		33.4	33.3	33.1	34.4	35.4	36.3	37.4	37.5	37.2	35.2	31.4	29.0	26.9	28.0	31.2	36.5	40.7	42.7	44.9	43.7	42.5	39.7	38.3	37.2	36.1
4		36.3	36.4	37.5	37.4	37.2	36.5	35.6	35.5	35.2	34.0	29.0	26.6	27.8	30.0	33.0	37.3	40.5	41.6	44.6	46.0	43.8	40.6	37.2	34.0	36.4
5	D	36.2	34.6	35.3	37.5	37.3	37.2	36.5	35.4	34.5	31.9	30.0	29.1	28.9	29.9	31.9	35.3	37.8	40.6	40.5	40.9	44.2	41.9	40.6	38.9	36.1
6	D	25.8	55.5	32.0	32.0	41.7	35.3	39.6	35.9	35.2	34.0	30.1	28.9	28.9	30.9	34.4	39.5	42.6	43.7	41.9	44.0	43.9	40.7	39.7	38.7	37.3
7		40.7	25.8	31.8	33.2	39.5	34.3	36.0	38.2	36.2	31.2	27.9	23.3	21.9	22.9	28.3	33.5	38.5	41.6	44.1	44.8	43.2	41.5	39.5	37.7	34.8
8		37.3	38.1	37.8	37.4	37.2	36.3	36.3	34.1	34.5	36.3	34.2	29.0	26.6	24.7	30.7	35.0	42.5	43.5	44.9	45.6	42.6	38.4	36.4	36.4	36.5
9		36.3	37.2	34.3	35.3	31.1	33.0	35.3	38.0	42.5	36.4	35.0	36.2	29.8	26.7	27.6	32.0	36.0	39.5	40.0	40.2	39.6	38.6	37.8	30.9	35.4
10		34.1	33.7	33.9	35.0	36.5	34.1	36.3	37.6	41.4	34.2	30.9	28.8	26.8	26.7	30.1	32.4	36.2	40.2	41.7	41.6	40.7	40.4	38.3	37.0	35.4
11		36.3	36.5	36.1	33.3	34.9	35.3	36.1	36.0	35.3	34.1	30.9	28.8	28.0	25.6	26.6	32.6	37.3	39.2	41.5	42.3	41.6	36.5	37.2	36.2	35.0
12		36.4	36.2	35.4	36.5	37.2	36.7	36.2	35.5	35.4	33.6	31.9	30.0	27.9	29.2	31.9	33.0	36.9	41.6	43.0	42.6	41.7	40.4	37.3	36.6	36.0
13		36.1	36.3	37.3	33.9	35.4	35.3	35.1	34.4	33.8	32.4	31.2	29.8	30.0	31.1	31.8	35.0	39.4	42.7	43.4	42.5	41.2	38.8	38.2	37.2	35.9
14		36.2	34.5	31.9	31.1	34.4	34.4	35.3	38.2	29.9	31.1	29.8	29.7	30.9	33.1	34.2	36.3	39.7	41.7	43.4	43.0	42.0	39.8	38.1	37.2	35.7
15		33.3	27.8	33.3	35.1	36.2	33.1	37.2	35.0	32.8	32.0	30.5	29.7	29.9	31.0	32.6	36.0	37.6	39.0	39.5	39.3	37.9	38.1	36.9	36.4	34.6
16		36.3	36.2	36.9	36.2	36.1	35.3	35.2	35.0	36.2	35.2	34.0	29.5	28.8	31.0	33.1	34.2	39.7	40.6	41.1	40.6	38.5	38.4	38.0	37.5	36.0
17		38.2	37.1	37.1	37.1	36.2	35.1	34.3	33.7	34.1	36.0	34.0	29.8	27.9	31.0	30.2	34.9	39.6	44.1	41.4	39.1	37.3	35.5	34.4	35.1	35.6
18	Q	34.3	35.2	36.9	35.5	36.4	36.0	36.1	36.1	35.2	34.1	31.8	29.8	29.1	30.1	31.0	34.3	38.2	42.4	42.3	39.6	38.5	38.0	36.6	36.3	35.6
19		36.1	36.3	37.0	36.3	36.2	35.3	35.2	35.0	34.1	32.9	30.8	27.8	25.7	27.8	28.8	34.2	40.6	43.7	44.6	42.8	41.4	40.2	38.3	37.0	35.7
20	Q	35.2	35.0	35.3	35.2	36.1	35.2	38.0	38.2	35.1	34.1	32.0	29.9	27.8	29.0	30.8	35.2	40.1	41.5	42.5	42.4	41.4	38.5	36.6	35.3	35.9
21		35.3	35.1	35.5	35.2	34.3	33.3	34.8	34.0	32.9	31.8	28.9	26.2	24.4	25.7	28.8	37.0	41.4	45.0	46.7	44.8	41.6	38.3	36.3	36.0	35.1
22		35.8	36.2	36.4	35.9	35.1	35.1	37.3	34.1	32.7	31.8	28.8	26.7	26.7	28.9	30.7	36.4	41.3	42.4	41.8	41.4	40.4	39.3	37.3	36.1	35.4
23	Q	36.0	36.1	35.3	35.1	36.1	35.3	35.2	35.2	34.2	32.6	30.7	27.8	27.4	28.8	31.1	37.1	41.6	43.3	42.3	40.5	39.7	38.2	37.3	37.2	35.6
24	Q	36.3	36.3	37.0	36.3	36.2	35.2	34.5	34.9	34.1	33.1	31.8	30.0	28.7	28.0	30.1	32.9	36.2	39.3	42.8	43.8	43.5	41.4	37.2	35.9	35.6
25	D	34.9	35.0	35.1	35.1	35.2	34.0	25.8	31.7	33.2	31.1	28.7	22.6	21.0	22.3	26.2	28.9	32.2	33.1	37.5	43.3	47.6	44.7	42.6	40.6	33.4
26	D	21.9	24.6	28.5	32.2	37.1	43.5	37.1	35.4	34.2	34.2	33.0	31.7	28.9	27.9	29.7	29.7	40.1	44.8	43.8	42.5	39.4	40.7	41.8	40.4	35.1
27	D	38.6	30.0	27.4	28.7	30.9	38.0	32.8	32.8	31.1	33.1	32.9	29.0	25.5	25.3	28.1	34.0	36.2	40.3	41.5	42.2	40.7	39.4	39.1	37.3	33.9
28		39.3	38.3	37.7	37.2	37.1	36.3	35.9	35.0	34.1	34.4	32.9	35.4	27.9	26.0	26.9	32.3	37.3	42.6	41.3	41.6	40.3	39.4	37.2	36.8	36.0
29		37.1	37.2	37.1	36.3	35.1	34.1	38.2	32.8	32.9	33.1	31.7	29.8	29.8	31.0	34.3	37.2	39.1	44.9	43.4	42.6	41.6	40.3	39.4	36.1	36.5
30		34.2	34.0	36.0	35.4	36.2	37.1	37.1	34.8	31.7	30.7	30.9	26.7	24.4	22.7	26.2	29.9	36.3	40.2	41.5	41.6	41.5	40.1	37.8	37.1	34.3
MEAN A		35.4	35.4	35.1	35.2	36.1	35.7	35.8	35.5	34.8	33.5	31.4	29.1	27.6	28.2	30.6	34.6	39.0	41.7	42.4	42.4	41.4	39.7	38.1	36.7	35.6
MEAN Q		36.1	36.2	36.5	35.9	36.5	35.8	36.2	36.2	34.9	33.7	31.8	29.7	28.7	29.4	31.3	35.2	39.0	41.6	42.3	41.8	40.9	39.3	37.3	36.5	35.9
MEAN D		31.5	35.9	31.7	33.1	36.5	37.6	34.4	34.2	33.6	32.9	30.9	28.2	26.6	27.3	30.1	33.5	37.8	40.5	41.0	42.6	43.2	41.5	40.8	39.2	35.2



## VERTICAL INTENSITY

TABLE 18 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

JUNE 1967

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	Q	36	35	35	37	35	33	32	33	33	37	36	30	27	22	20	15	15	19	20	31	37	42	42	37	31
2		33	31	31	28	30	30	31	32	31	23	16	20	21	21	21	21	15	19	28	42	48	44	43	38	29
3		37	26	25	23	2	14	20	24	24	29	30	27	24	24	24	19	21	26	31	32	31	30	29	26	25
4		26	29	28	26	25	24	24	24	25	26	27	25	19	19	13	12	17	27	35	59	65	58	70	74	32
5	D	63	48	42	37	34	30	30	30	31	36	32	25	25	25	23	18	15	13	15	37	69	92	148	194	46
6	D	-115	-175	-14	97	-10	-26	-4	37	49	53	53	48	46	46	47	44	43	43	57	58	53	81	105	110	30
7		146	-6	53	64	57	37	-48	-76	-22	8	35	42	42	41	36	35	35	37	45	45	40	35	36	35	31
8		36	35	35	33	34	30	29	29	31	24	-17	-5	3	8	13	18	24	25	29	36	53	68	64	63	29
9		53	34	0	-22	-10	-10	-4	1	4	11	12	1	1	6	12	18	24	29	26	28	35	41	52	62	17
10		51	36	35	31	14	17	14	18	14	24	29	29	29	29	28	27	29	31	29	29	31	30	37	40	28
11		34	33	30	23	22	27	27	28	28	30	29	28	22	18	18	18	16	12	22	28	33	39	35	30	26
12		25	28	26	28	28	28	28	27	25	27	28	27	26	23	18	19	18	18	17	22	27	29	30	28	25
13		29	32	33	29	27	24	22	26	26	28	27	29	27	22	18	13	11	4	3	11	17	23	31	28	23
14		27	28	27	22	26	23	11	-1	4	16	15	16	10	9	12	11	15	20	24	29	36	48	66	62	23
15		71	60	43	26	16	16	15	16	17	27	27	26	21	20	17	15	16	20	26	22	21	20	25	25	25
16		25	24	24	22	25	21	21	21	16	12	14	15	15	16	16	15	16	14	15	16	17	21	25	28	19
17		24	24	20	20	20	20	20	20	20	13	9	8	11	14	14	22	20	27	36	34	36	36	41	42	23
18	Q	47	37	31	26	25	24	25	25	25	26	26	26	25	20	15	9	10	16	19	20	27	26	26	27	24
19		21	21	19	19	19	19	19	19	20	23	22	20	24	21	18	20	24	19	14	14	19	19	21	25	20
20	Q	23	22	20	19	18	18	12	6	9	18	20	22	19	18	13	8	6	7	13	23	24	23	23	22	17
21		19	18	16	17	18	13	16	17	18	22	24	20	13	11	13	17	17	13	12	18	28	30	29	25	19
22		19	17	17	16	17	16	6	10	17	22	22	20	16	11	10	9	5	-1	1	10	12	18	19	21	14
23	Q	16	16	15	12	11	12	11	12	15	16	18	20	21	17	16	9	6	-1	-4	-0	6	15	22	21	13
24	Q	21	18	17	16	15	15	5	10	14	16	20	22	20	16	16	4	-13	-7	-0	4	9	12	15	17	12
25	D	17	15	15	15	14	10	-3	-7	9	18	15	15	9	9	9	5	4	3	14	36	67	121	149	177	31
26	D	82	69	42	25	-7	-19	-8	14	18	24	30	26	25	19	14	8	8	13	11	3	19	36	47	54	23
27	D	36	38	25	31	15	-25	-4	20	29	14	-4	7	19	27	29	22	25	25	23	26	26	31	26	32	21
28		35	35	29	24	20	19	19	20	22	17	-9	-15	-10	1	9	14	18	18	24	40	37	31	25	24	19
29		23	19	19	18	18	2	-45	-19	12	23	23	18	16	17	10	1	11	15	19	23	24	34	29	39	15
30		43	38	33	24	20	11	-9	-33	-15	11	6	11	12	7	7	8	11	16	17	23	17	22	28	34	14
MEAN A		33	23	26	26	19	15	10	13	18	23	21	20	19	19	18	16	16	17	21	27	32	39	45	48	23
MEAN Q		29	25	24	22	21	20	17	17	19	23	24	24	22	19	16	9	5	7	9	16	20	24	26	25	19
MEAN D		17	-1	22	41	9	-6	2	19	27	29	25	24	25	25	24	19	19	19	24	32	47	72	95	113	30

HORIZONTAL INTENSITY

TABLE 19 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

JULY 1967

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	D	233	233	233	227	239	228	217	196	222	206	197	218	213	206	223	196	200	207	233	241	245	235	235	226	221
2		227	221	215	213	216	217	221	222	224	226	226	222	216	204	200	210	223	237	248	250	245	244	237	243	225
3	Q	232	231	237	237	234	227	227	227	227	227	227	231	225	212	203	203	205	216	225	233	234	243	242	239	227
4		230	241	237	230	233	232	232	232	232	233	236	236	230	224	214	202	200	210	230	241	247	247	246	254	231
5	D	235	240	217	209	208	203	213	218	218	204	208	209	196	187	189	191	202	207	204	224	242	225	237	236	213
6		227	230	230	229	228	220	219	217	217	218	220	218	208	201	203	223	217	223	230	234	261	252	254	223	225
7		234	217	208	217	189	230	230	228	224	225	228	227	217	217	209	212	218	222	231	235	233	231	232	223	223
8		230	227	229	230	229	228	228	225	224	223	222	224	223	217	207	205	201	201	216	224	236	249	250	241	225
9	Q	232	230	234	235	235	233	234	234	233	233	236	239	230	216	208	207	218	230	239	245	250	241	245	242	232
10	Q	236	236	235	235	239	238	239	239	239	234	236	234	230	222	218	213	223	230	234	237	251	262	258	260	237
11	D	254	225	231	250	252	244	238	211	232	234	236	231	220	198	197	189	203	202	231	261	243	247	249	231	229
12		227	221	232	240	230	227	225	226	225	226	223	226	222	213	208	205	210	216	232	241	249	247	241	238	227
13		239	239	227	228	232	231	231	225	225	225	227	228	226	215	204	195	205	220	239	254	266	253	261	248	231
14		233	234	227	231	242	223	217	217	220	218	227	234	226	211	200	198	211	222	232	244	251	250	239	235	227
15		235	233	234	234	233	232	230	233	233	234	233	225	221	215	212	212	232	241	262	287	278	229	234	235	235
16		239	236	236	233	216	220	229	228	228	228	229	227	218	208	205	206	217	219	219	235	256	246	250	250	228
17		246	241	236	233	235	235	234	235	235	239	240	238	234	227	223	218	224	229	239	246	266	250	257	263	238
18		256	254	248	252	253	248	241	239	236	241	236	239	235	223	211	200	201	209	222	228	231	238	250	256	235
19		238	241	235	236	233	234	233	233	232	234	235	234	230	222	216	208	211	228	249	263	261	256	241	242	235
20		235	241	239	240	241	239	240	242	239	234	233	239	230	214	211	209	206	212	218	235	256	247	241	239	233
21		245	238	240	239	237	236	240	241	235	236	238	240	236	223	209	196	208	217	234	247	248	247	252	250	235
22	Q	242	243	242	247	247	247	243	245	241	240	246	246	231	208	187	196	215	230	232	240	247	254	255	254	237
23	D	247	249	248	250	246	248	251	251	246	242	247	245	242	235	220	198	203	226	243	302	303	313	285	229	249
24		207	214	214	224	228	231	234	232	228	229	226	229	220	203	188	185	192	207	221	234	242	253	251	258	223
25		246	238	237	232	232	230	231	232	237	236	229	229	226	212	199	183	193	202	214	241	247	248	258	260	229
26		254	237	234	238	235	233	235	235	233	235	231	226	219	203	196	191	203	220	232	242	245	247	248	247	230
27		242	238	238	237	237	237	238	243	232	229	235	238	232	225	209	191	183	193	208	230	241	245	254	260	230
28		242	238	236	243	241	240	241	236	242	232	231	246	242	231	214	211	219	221	246	266	270	268	270	263	241
29		252	252	263	253	252	226	226	225	225	231	232	231	219	204	192	186	191	209	227	247	253	263	274	248	233
30	D	226	215	208	208	197	180	187	222	221	215	213	210	210	204	205	205	218	236	241	241	232	230	226	224	216
31	Q	225	226	226	225	222	220	219	219	220	221	224	225	225	219	208	193	194	208	226	238	248	242	235	232	222
MEAN A		237	234	232	233	232	229	230	229	230	229	229	230	225	214	206	201	208	218	231	245	251	248	249	244	230
MEAN Q		233	233	235	236	235	233	232	233	232	231	234	235	228	216	205	202	211	223	231	238	246	248	247	245	231
MEAN D		239	233	228	229	229	220	221	220	228	220	220	223	216	206	207	196	205	216	230	254	253	250	246	229	226

AGINCOURT MAGNETIC OBSERVATORY 1967

DECLINATION

TABLE 20 AGINCOURT

D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES

JULY 1967

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	D	36.2	36.1	35.1	36.3	37.1	30.9	31.6	31.1	41.3	36.1	39.2	32.7	34.0	35.1	38.3	37.4	40.2	39.6	39.3	39.3	37.1	35.0	34.9	34.0	36.2
2		33.9	31.8	31.0	27.7	32.1	33.9	34.0	35.0	34.3	32.9	31.7	29.9	29.6	31.4	33.7	36.3	38.0	38.3	38.1	38.1	38.1	37.1	37.0	36.1	34.2
3	Q	36.1	36.1	36.2	37.0	37.0	36.9	36.5	36.0	34.9	34.8	33.0	30.7	29.8	31.4	34.0	35.7	39.2	42.5	42.5	42.3	41.2	39.2	38.0	36.4	36.6
4		36.1	35.9	35.9	36.2	37.2	37.2	35.0	35.0	34.9	33.9	28.7	27.7	27.4	27.6	28.7	30.9	37.0	43.4	43.4	40.5	38.0	36.2	35.1	34.0	34.8
5	D	35.0	36.3	33.9	31.9	34.2	31.8	33.2	34.1	39.0	28.9	26.8	25.7	25.4	29.9	32.1	38.1	41.3	43.7	44.2	41.7	39.2	38.3	34.9	34.1	34.7
6		34.3	34.9	34.9	34.9	35.1	35.0	34.9	35.1	35.1	34.1	31.7	29.1	26.5	28.6	32.8	32.7	38.1	42.5	42.5	42.0	40.1	39.3	36.3	35.9	35.3
7		33.2	30.9	34.9	28.8	35.9	29.4	33.2	34.4	34.0	32.9	30.8	29.6	27.5	27.3	29.5	33.0	38.2	41.3	41.4	40.3	39.4	37.4	36.0	35.0	33.9
8		33.2	32.9	34.9	34.8	34.0	34.9	36.2	36.1	35.9	34.2	31.6	29.9	26.6	26.4	28.3	31.6	36.2	40.1	41.6	42.4	40.4	38.1	35.1	34.1	34.6
9	Q	34.1	35.0	35.2	35.1	35.0	35.2	36.1	36.0	36.1	33.9	29.9	27.4	25.5	25.5	27.3	31.0	36.0	40.2	40.1	41.4	40.2	39.7	37.9	36.1	34.6
10	Q	35.1	36.0	36.0	35.9	35.3	35.1	35.0	34.9	34.8	33.0	30.6	27.6	26.6	26.1	26.6	29.4	33.1	38.0	41.4	42.3	41.5	40.4	38.1	35.3	34.5
11	D	34.9	29.9	31.4	34.1	36.2	35.2	27.9	34.0	32.7	28.6	26.8	25.3	23.4	23.9	30.0	36.4	39.2	45.5	44.4	42.5	43.5	41.1	38.7	37.3	34.3
12		36.2	37.2	36.2	34.0	35.4	36.3	35.9	35.5	37.5	34.2	31.9	28.8	27.6	28.6	31.0	34.0	37.3	41.5	41.6	42.7	41.7	39.2	36.4	36.3	35.7
13		36.0	33.2	36.2	36.5	35.5	35.3	35.4	36.2	34.4	32.9	29.9	26.6	24.8	26.4	29.7	33.1	37.2	40.2	41.2	40.4	38.4	38.6	37.3	35.1	34.6
14		36.4	38.0	38.2	38.4	35.4	33.5	34.4	33.0	35.1	34.0	28.7	26.5	24.6	25.9	29.1	33.9	38.3	41.1	42.8	40.8	39.4	38.4	38.1	37.6	35.1
15		37.3	37.5	37.3	36.9	36.2	35.4	35.3	35.1	35.1	34.2	32.1	30.1	28.2	28.6	28.0	31.9	37.4	39.5	40.8	39.4	38.6	40.4	37.5	37.2	35.4
16		37.3	37.3	36.3	36.5	31.1	33.9	35.3	35.1	34.1	33.1	30.7	28.9	28.0	28.8	30.0	32.2	36.0	40.2	43.6	43.9	41.9	40.6	39.3	37.2	35.5
17		36.3	36.9	37.1	36.3	35.9	35.1	35.0	34.9	34.0	33.1	31.8	29.7	27.7	27.7	29.7	32.9	35.5	39.3	41.7	42.5	42.3	42.2	40.1	37.2	35.6
18		37.1	36.5	36.4	35.8	35.2	34.9	32.9	34.0	34.3	32.0	26.8	25.7	24.6	24.3	27.6	32.0	36.3	39.7	43.7	44.5	42.7	40.4	37.3	35.0	34.6
19		35.2	31.9	34.0	35.1	36.1	36.1	35.3	35.2	35.0	34.0	31.9	29.9	28.6	29.8	32.1	35.7	39.1	42.6	44.5	43.6	42.7	40.6	38.3	36.3	36.0
20		34.4	35.2	36.1	35.0	34.3	35.3	35.3	35.2	35.1	33.2	29.9	27.6	25.7	24.7	26.9	32.0	39.4	43.7	45.7	45.7	42.5	40.1	38.1	36.1	35.3
21		34.8	35.3	35.0	34.1	35.1	35.3	36.3	38.9	34.9	35.0	28.8	24.4	24.1	23.7	27.6	32.9	37.6	42.4	43.8	44.5	43.6	40.5	38.2	35.1	35.1
22	Q	35.0	35.4	36.2	36.1	35.1	34.3	34.0	33.8	32.9	31.7	29.7	26.5	24.5	23.4	26.6	31.9	36.3	40.5	44.9	46.7	46.5	44.4	39.7	36.1	35.1
23	D	35.0	34.9	35.0	35.2	34.1	33.7	36.1	36.2	38.2	35.1	30.8	25.7	23.4	23.3	26.3	30.6	36.2	42.8	46.7	45.6	43.8	43.5	40.6	36.1	35.4
24		37.1	37.5	34.0	35.3	36.1	36.4	39.2	37.1	35.2	33.7	30.2	29.0	26.8	27.5	29.8	33.0	37.2	41.2	43.4	44.5	42.6	40.6	38.2	35.1	35.9
25		34.8	33.9	35.1	35.0	36.0	35.5	37.8	38.9	35.2	33.9	35.3	31.8	27.4	26.3	27.8	31.7	37.0	40.6	43.8	46.6	45.6	41.1	38.1	36.0	36.1
26		33.2	33.9	31.8	33.4	34.2	35.2	36.0	35.8	34.9	33.8	30.9	28.6	25.8	25.5	28.9	33.1	39.6	43.4	45.7	45.6	42.6	40.2	37.9	36.4	35.3
27		35.8	36.0	36.2	36.0	35.8	36.1	35.7	35.1	34.6	32.9	30.8	29.5	26.9	26.5	26.6	29.8	35.1	40.4	43.8	45.4	43.6	41.4	38.8	36.1	35.4
28		33.7	33.7	36.1	36.0	35.0	34.9	33.7	33.9	35.0	31.7	27.3	25.5	24.2	24.3	26.5	29.5	35.0	39.1	44.2	40.0	37.1	37.1	37.0	36.1	33.6
29		35.9	36.9	36.2	36.0	31.5	27.4	31.7	31.8	31.6	31.9	30.3	28.3	27.8	29.6	31.7	35.9	40.4	42.2	43.4	43.6	41.4	38.2	35.9	33.7	34.7
30	D	31.8	24.1	22.1	26.5	26.7	29.5	29.5	36.4	36.9	35.7	32.8	29.7	29.7	31.8	34.1	37.2	40.1	41.2	42.0	41.4	39.5	37.9	36.0	36.0	33.7
31	Q	35.9	35.1	34.9	36.0	35.9	35.1	35.9	35.9	35.2	35.0	33.8	32.4	31.1	31.2	32.7	37.0	40.5	43.2	43.3	42.3	40.0	37.2	36.0	35.1	36.3
MEAN A		35.2	34.7	34.8	34.7	34.8	34.3	34.7	35.2	35.2	33.4	30.8	28.4	26.9	27.5	29.8	33.3	37.7	41.3	42.9	42.7	41.1	39.5	37.4	35.7	35.1
MEAN Q		35.2	35.5	35.7	36.0	35.7	35.3	35.5	35.3	34.8	33.7	31.4	28.9	27.5	27.5	29.4	33.0	37.0	40.9	42.4	43.0	41.9	40.2	37.9	35.8	35.4
MEAN D		34.6	32.2	31.5	32.8	33.7	32.2	31.7	34.3	37.6	32.9	31.3	27.8	27.2	28.8	32.1	35.9	39.4	42.6	43.3	42.1	40.6	39.2	37.0	35.5	34.8

VERTICAL INTENSITY

TABLE 21 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

JULY 1967

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	D	36	31	35	30	7	-5	-15	-27	-53	-44	-48	-26	-30	-26	-22	-9	9	19	33	41	48	53	58	53	6
2		52	40	20	13	7	6	18	24	25	28	24	24	24	20	18	12	10	12	18	17	13	17	18	22	20
3	Q	19	20	17	16	16	16	16	17	17	17	21	23	22	22	16	5	6	13	17	21	25	29	32	29	19
4		23	21	19	17	11	-10	6	15	17	16	22	23	21	17	12	5	10	9	6	16	22	23	24	29	16
5	D	27	34	39	34	35	27	32	22	-35	-25	8	20	18	15	21	26	21	22	21	22	32	32	38	37	22
6		26	26	22	21	21	20	19	19	21	22	25	25	21	21	21	10	9	9	5	9	27	38	54	50	22
7		50	49	-9	5	-59	-31	10	22	25	26	21	21	21	22	21	22	21	21	21	21	21	21	21	26	16
8		25	21	20	18	15	13	13	14	18	19	19	14	9	8	3	-3	4	8	13	14	18	25	21	20	15
9	Q	14	15	15	16	15	14	13	13	13	19	21	20	19	14	13	10	14	13	10	18	20	20	21	19	16
10	Q	13	13	13	13	13	13	13	13	13	14	15	14	14	13	8	3	5	3	3	7	6	13	14	19	11
11	D	26	36	26	24	14	9	-20	-7	-9	9	14	16	13	4	8	13	16	8	9	18	19	36	33	26	14
12		24	20	20	-3	3	12	9	9	9	13	14	13	13	8	4	-4	-8	-11	-10	2	20	24	21	18	9
13		19	14	15	14	13	10	13	13	14	18	18	13	8	3	4	1	-2	5	14	18	21	20	30	30	14
14		25	19	18	15	-8	-11	-4	-3	-13	3	14	16	12	4	1	-3	0	1	0	7	17	25	25	18	8
15		15	16	14	13	14	13	13	14	15	18	19	19	21	20	18	10	8	10	7	20	32	25	20	15	16
16		13	13	15	10	9	16	18	16	18	19	16	16	14	12	8	4	2	10	15	13	14	13	14	16	13
17		19	15	16	15	15	15	14	15	15	15	19	17	13	8	11	9	10	10	5	9	20	19	22	20	14
18		11	10	10	10	10	10	4	11	10	2	9	10	9	4	3	5	-0	2	4	9	15	20	22	27	9
19		22	16	16	15	15	15	15	15	15	17	20	21	17	15	11	5	6	5	6	4	6	11	14	16	13
20		16	16	15	11	10	11	11	14	11	12	15	16	8	3	-0	-1	-1	-5	-0	3	11	21	26	23	10
21		17	15	17	16	15	13	11	1	10	15	16	20	16	15	10	-3	-1	5	10	16	18	23	27	27	14
22	Q	17	15	12	12	11	10	11	15	15	15	16	16	15	11	1	-1	3	3	1	5	9	10	17	16	11
23	D	12	11	10	10	8	6	5	4	4	7	11	9	10	11	11	9	-6	-1	1	26	34	62	89	67	17
24		46	38	33	27	22	16	-1	6	16	22	26	26	23	20	15	5	-2	-1	4	10	26	28	23	22	19
25		22	20	15	17	16	16	14	9	15	16	10	6	3	8	5	10	10	10	15	27	34	39	34	35	17
26		32	35	28	10	12	16	16	16	17	20	22	21	20	16	11	5	10	11	17	22	22	22	22	18	18
27		15	15	16	16	16	16	17	12	10	9	22	23	27	20	10	8	8	8	12	23	22	21	23	27	17
28		24	22	19	16	15	15	14	16	15	14	16	20	17	18	14	14	14	14	16	21	26	26	27	25	18
29		19	18	18	0	-36	-27	6	9	17	14	19	19	16	17	16	9	8	10	19	27	30	38	48	55	15
30	D	43	14	-2	-17	-61	-143	-85	-26	6	19	23	23	23	19	15	12	7	7	8	9	17	18	22	23	-1
31	Q	20	20	20	20	19	18	19	19	19	23	23	23	21	18	19	23	18	18	19	26	26	24	25	23	21
MEAN A		24	22	17	14	7	4	7	10	9	13	16	17	15	12	10	7	7	8	10	16	22	26	29	27	15
MEAN Q		17	17	15	15	15	14	14	15	16	18	19	19	18	16	11	8	9	10	10	16	17	19	22	21	16
MEAN D		29	25	21	16	1	-21	-16	-7	-18	-7	2	8	7	5	6	10	9	11	14	23	30	40	48	41	12

AGINCOURT MAGNETIC OBSERVATORY 1967



## HORIZONTAL INTENSITY

TABLE 22 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

AUGUST 1967

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	Q	230	231	232	231	230	232	233	234	233	233	237	238	236	225	204	199	205	215	237	255	266	266	258	252	234
2	Q	245	243	243	241	241	242	243	242	238	238	238	236	226	211	199	193	205	222	243	254	256	259	246	242	235
3	Q	238	238	238	239	238	240	242	242	238	238	237	237	230	220	215	225	249	269	276	281	269	252	250	236	243
4		239	246	243	244	241	241	243	243	242	243	241	233	226	218	227	204	216	226	244	247	247	246	244	248	237
5		252	228	239	244	247	247	256	253	243	243	243	241	235	221	204	211	217	228	238	253	260	245	244	249	239
6		247	248	247	249	245	248	244	249	246	234	242	242	233	223	207	201	210	227	244	253	261	255	253	256	240
7		248	244	249	248	248	247	244	247	248	238	243	244	233	221	201	184	181	200	233	249	257	238	248	242	235
8		232	238	237	235	244	238	237	243	256	256	247	245	234	215	195	179	179	200	231	251	253	258	256	251	234
9		243	245	244	242	243	242	244	244	239	238	242	244	237	222	201	195	199	207	226	245	248	261	250	258	236
10	D	253	244	236	237	233	244	242	242	238	237	233	222	215	215	185	177	195	211	224	247	267	273	275	226	232
11	D	244	241	242	233	240	245	259	247	248	234	234	240	237	217	184	178	189	207	254	262	275	281	267	254	238
12		212	216	231	228	233	234	239	236	232	227	228	228	227	216	195	174	182	206	228	250	261	266	250	240	227
13		239	238	239	236	237	237	237	237	236	235	235	230	227	223	206	202	216	239	254	265	256	245	250	250	236
14		238	233	231	228	233	236	222	223	234	228	222	228	229	223	217	218	225	242	248	255	256	254	254	239	234
15		244	244	245	249	242	244	242	240	243	238	235	229	227	222	220	210	222	244	256	255	249	250	248	237	239
16		243	242	244	243	243	243	242	243	243	242	237	228	226	228	229	222	220	217	233	234	244	266	272	255	239
17	D	234	239	249	239	234	231	237	240	237	237	229	238	256	238	227	211	205	211	229	238	249	253	248	254	236
18	D	247	244	239	241	241	239	225	233	227	232	232	230	233	215	200	188	194	216	239	244	265	264	237	232	231
19		245	236	234	236	240	243	242	238	239	236	239	236	228	216	192	187	188	192	202	236	243	244	249	253	229
20		242	243	242	244	253	236	231	236	232	233	233	237	226	213	182	166	165	178	194	222	243	242	241	249	224
21		244	247	242	244	248	248	246	243	239	240	237	234	222	198	173	172	195	223	243	259	264	260	261	255	235
22	Q	239	246	248	246	249	244	246	247	244	243	241	236	221	204	182	176	176	188	220	239	250	252	257	243	231
23	Q	247	253	253	244	244	246	247	243	244	246	242	237	233	215	193	183	192	214	242	242	260	258	256	250	237
24		254	241	232	239	241	236	235	236	232	227	230	236	235	209	198	204	218	233	247	254	259	254	251	235	235
25	D	253	259	259	255	247	235	226	226	224	230	231	227	220	211	193	188	210	222	231	259	236	249	269	244	234
26		226	232	241	238	241	242	241	238	243	242	237	243	233	226	215	215	209	213	226	246	241	264	244	247	235
27		249	244	243	241	236	241	238	241	243	241	232	232	222	205	192	187	188	192	206	221	233	253	249	241	228
28		245	247	244	245	245	242	236	237	242	242	243	240	231	216	194	180	173	194	216	232	243	250	259	248	231
29		246	248	248	248	248	248	248	248	248	242	239	242	227	206	201	190	189	204	222	244	264	274	254	242	236
30		245	248	249	251	256	241	237	239	234	242	243	236	223	199	195	189	195	213	231	252	269	265	248	241	235
31		236	242	251	255	248	245	237	248	250	242	245	242	217	200	200	199	214	221	232	243	248	253	249	234	236
MEAN A		242	242	242	242	242	241	240	241	240	238	237	236	229	217	201	194	200	215	233	248	254	257	253	246	235
MEAN Q		240	242	243	240	240	241	242	241	239	239	239	237	229	215	198	195	205	222	244	254	260	257	253	245	236
MEAN D		246	245	245	241	239	239	238	237	235	234	232	231	232	219	198	188	199	214	235	250	258	264	259	242	234

## DECLINATION

TABLE 23 AGINCOURT

D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES

AUGUST 1967

DAY	HOUR UT	DECLINATION																						MEAN		
		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
1	Q	36.1	36.2	36.2	36.1	36.2	36.2	36.1	35.9	35.3	34.8	32.8	30.4	28.0	27.9	29.8	34.2	39.3	42.7	44.7	44.4	40.8	37.5	36.2	35.3	36.0
2	Q	35.2	36.0	36.2	36.4	36.1	35.8	35.4	35.3	35.0	34.1	31.9	29.9	28.7	29.8	32.2	37.3	40.4	42.6	43.6	42.0	39.5	37.4	35.5	35.3	35.9
3	Q	36.1	36.4	36.5	36.3	36.3	36.1	35.6	35.0	34.2	33.4	32.4	30.9	29.7	31.3	35.3	40.6	43.6	44.8	43.7	41.7	39.6	38.4	37.1	37.2	36.8
4		37.2	36.5	36.1	36.2	36.1	35.4	35.2	33.1	33.8	31.7	30.8	29.6	29.8	31.8	37.4	37.2	43.1	45.6	44.9	44.6	42.5	39.4	36.2	34.0	36.6
5		32.9	34.0	35.0	35.6	36.0	35.4	36.6	36.1	33.8	32.7	29.7	25.6	24.3	25.5	30.5	38.5	41.6	44.1	45.5	43.4	41.7	39.4	37.5	36.1	35.5
6		35.9	36.0	36.2	35.9	35.1	33.1	35.1	35.3	35.3	37.4	34.3	29.4	26.4	25.8	29.0	35.3	42.6	47.7	46.6	45.6	42.4	39.2	37.0	34.2	36.3
7		35.1	33.8	36.0	36.1	36.2	35.3	35.3	37.1	36.3	35.2	31.7	27.8	26.2	25.6	27.7	33.9	39.5	45.6	46.6	46.7	44.6	41.3	38.2	35.3	36.1
8		35.2	32.2	29.6	33.0	33.9	33.9	38.2	38.2	40.4	35.8	29.4	26.3	23.5	24.1	27.6	31.8	38.5	42.6	43.7	42.5	41.3	39.0	36.5	34.9	34.7
9		36.2	36.3	36.3	36.4	37.0	36.2	36.1	36.0	34.8	34.7	31.6	25.3	22.0	21.2	24.4	30.0	37.6	42.3	45.3	45.5	43.4	40.5	37.4	36.0	35.1
10	D	35.3	31.8	28.8	31.9	36.1	31.5	35.2	35.1	34.9	33.3	31.6	32.3	34.0	28.2	26.5	35.2	39.2	41.8	43.6	42.6	41.8	40.5	38.3	37.3	35.3
11	D	36.9	37.1	30.8	33.8	36.3	36.1	35.4	32.7	34.9	29.0	24.7	22.3	23.4	23.7	26.4	35.2	39.7	43.6	45.6	46.6	42.6	41.4	39.3	34.2	34.6
12		35.7	32.9	36.0	36.4	37.0	37.1	36.2	36.9	39.3	36.3	33.9	30.6	27.3	26.8	28.6	34.1	38.9	41.3	43.4	43.5	41.5	39.7	38.5	36.2	36.2
13		35.9	35.1	35.8	36.0	36.2	35.8	35.2	34.8	34.2	33.0	31.3	29.9	28.6	27.6	29.7	34.7	37.8	42.0	44.5	42.8	41.2	39.4	37.7	34.7	35.6
14		33.6	32.7	31.5	30.9	29.2	29.4	32.1	42.2	30.6	32.8	38.5	28.6	27.9	29.9	32.8	37.3	41.4	44.4	44.7	42.7	40.4	38.5	37.0	35.9	35.2
15		35.8	36.9	36.1	32.8	36.1	35.1	34.8	34.1	33.9	33.2	31.6	28.4	28.9	28.3	31.6	34.1	38.4	41.3	40.6	41.2	40.6	39.2	37.1	36.2	35.3
16		35.4	36.3	36.3	36.0	35.8	35.0	35.1	35.2	34.8	33.8	32.0	31.4	29.4	27.6	29.8	31.8	37.1	41.6	44.5	44.7	43.4	41.0	41.3	39.1	36.2
17	D	38.1	34.1	36.2	35.7	27.7	31.7	32.6	32.9	32.5	31.6	31.8	27.7	27.0	23.0	24.3	31.8	39.2	41.5	43.8	44.3	42.5	39.4	37.0	35.9	34.3
18	D	35.1	37.1	37.0	37.4	35.8	32.6	32.4	42.7	32.1	30.5	28.4	26.2	25.6	24.0	27.7	32.9	40.2	44.5	47.6	47.8	45.8	43.6	39.1	37.0	36.0
19		34.2	33.7	36.0	36.1	36.1	38.1	37.1	34.8	35.0	33.7	30.7	27.4	24.0	22.3	25.2	29.7	36.3	41.4	45.5	46.1	43.5	41.3	37.3	35.7	35.0
20		35.1	35.2	35.9	35.1	29.7	31.7	37.1	33.2	35.8	35.1	32.7	29.8	24.5	23.1	25.0	28.7	37.9	43.5	46.0	45.8	44.3	41.6	37.3	35.0	35.0
21		35.3	33.0	34.0	34.8	35.3	35.9	36.1	36.0	38.1	35.4	31.3	27.1	24.5	24.4	27.6	37.8	47.5	50.0	49.5	45.6	41.3	37.7	35.1	34.8	36.2
22	Q	34.1	36.1	36.1	36.8	36.1	36.1	37.0	35.3	34.7	33.8	31.5	28.5	26.2	27.6	30.9	37.7	43.4	49.0	48.2	45.5	42.7	38.8	35.2	34.8	36.5
23	Q	36.0	36.2	36.9	34.1	36.9	36.2	36.0	35.0	34.0	32.7	32.7	29.6	25.1	25.3	28.6	34.2	41.4	47.6	49.1	47.8	44.5	40.4	37.8	37.2	36.5
24		35.0	32.9	33.7	35.9	35.8	34.6	33.7	35.1	33.8	30.9	28.5	30.8	25.5	25.4	25.3	31.8	38.2	43.4	45.4	43.6	41.4	40.2	38.3	37.9	34.9
25	D	37.0	36.9	36.0	35.0	34.1	33.8	33.9	30.8	32.1	34.7	28.7	25.4	24.4	26.4	28.4	34.7	43.5	44.5	46.8	44.9	42.7	39.1	36.8	35.2	35.2
26		35.0	36.2	34.8	35.1	36.0	35.8	35.0	35.4	33.9	32.7	31.7	29.9	27.4	27.7	29.6	34.1	38.4	41.7	43.4	43.8	42.8	41.5	38.1	36.3	35.7
27		35.1	36.1	33.8	29.8	34.1	35.0	35.8	34.7	34.0	35.9	32.7	28.4	26.6	25.6	28.6	34.1	37.0	41.7	43.6	43.5	41.5	39.3	36.7	37.2	35.0
28		36.3	36.0	35.9	36.0	34.8	34.8	35.2	34.2	34.0	33.8	32.7	29.9	25.5	26.5	29.5	34.5	41.2	45.0	44.7	44.4	41.6	38.4	36.4	36.1	35.7
29		35.8	36.2	36.2	36.1	35.9	35.1	34.8	35.3	35.8	33.8	30.6	28.5	26.6	28.7	32.1	35.7	40.6	43.4	44.5	43.7	40.6	37.9	36.2	36.9	35.9
30		36.9	36.9	36.1	36.2	32.7	30.9	33.9	36.8	31.7	32.1	30.8	28.5	26.5	27.5	33.6	38.8	43.6	48.1	49.6	46.0	40.1	37.8	35.8	34.8	36.1
31		36.0	34.8	30.3	32.7	34.7	35.1	39.3	37.1	40.4	32.7	29.8	26.7	24.6	28.9	34.7	41.6	44.4	44.6	43.5	40.0	37.2	34.2	33.8	32.6	35.4
MEAN A		35.6	35.2	34.9	35.1	35.0	34.7	35.4	35.6	34.8	33.6	31.4	28.5	26.5	26.5	29.4	34.8	40.4	44.0	45.3	44.3	41.9	39.5	37.1	35.8	35.6
MEAN Q		35.5	36.2	36.4	35.9	36.3	36.1	36.0	35.3	34.6	33.8	32.3	29.9	27.5	28.4	31.3	36.8	41.6	45.3	45.9	44.3	41.4	38.5	36.4	35.9	36.3
MEAN D		36.4	35.4	33.8	34.8	34.0	33.1	33.9	34.8	33.3	31.8	29.1	26.8	26.9	25.1	26.6	34.0	40.4	43.2	45.5	45.2	43.1	40.8	38.1	35.9	35.1

## VERTICAL INTENSITY

TABLE 24 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

AUGUST 1967

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	Q	18	17	16	16	16	16	16	16	16	18	19	18	12	11	11	11	11	12	24	27	27	23	18	17	17
2	Q	14	12	11	10	11	10	11	11	11	15	15	15	11	9	6	4	1	3	10	16	17	21	17	15	12
3	Q	9	9	10	10	10	9	9	10	10	10	11	9	4	3	-2	4	5	-1	-1	4	3	5	10	5	7
4		6	7	7	8	8	8	8	3	7	8	9	9	7	4	-2	-15	-14	-15	-8	4	15	24	20	13	5
5		12	18	14	11	9	6	-3	-9	-0	6	7	6	1	-3	-5	-5	-3	-2	3	12	15	14	12	12	5
6		7	7	6	6	7	0	5	6	6	6	7	6	4	2	1	-0	-4	-4	1	13	15	17	17	18	6
7		13	12	10	7	7	7	6	2	-16	-10	-4	2	6	6	5	-6	-4	-4	0	6	12	18	25	25	5
8		21	16	11	10	4	-5	-36	-46	-28	-21	2	10	6	4	0	-2	0	-1	-1	-0	9	19	22	20	1
9		10	8	6	9	5	5	5	4	6	7	5	5	4	-1	-7	-13	-13	-16	-12	-5	1	13	13	10	2
10	D	11	8	4	-1	-26	-19	-0	4	5	9	9	3	-13	-12	-14	-14	-19	-19	-14	-5	15	32	49	33	1
11	D	21	20	16	11	11	9	-0	5	-8	3	9	15	12	9	-1	-2	-5	-2	9	27	42	52	55	54	15
12		32	20	3	10	8	8	8	7	4	8	13	11	9	10	9	10	10	16	20	21	25	26	20	14	13
13		10	10	8	8	9	8	8	8	8	8	8	8	5	7	3	-4	3	8	3	5	10	14	20	19	8
14		14	10	4	3	-9	-30	-20	-48	-23	-1	-15	-9	-3	-8	-3	-2	-3	-1	-1	4	10	10	14	10	-4
15		7	7	7	2	4	3	3	2	3	1	1	-5	-8	-8	-9	-3	-7	-4	1	7	7	13	18	13	2
16		9	8	7	8	7	3	3	2	3	4	6	6	-4	-10	-15	-16	-10	-10	-4	3	7	17	27	31	4
17	D	36	23	3	-15	-3	1	7	13	9	9	4	6	-15	-11	-10	-7	-7	-8	1	3	7	8	8	9	3
18	D	14	18	22	18	13	2	-4	-28	-22	-3	7	7	3	1	-4	-6	-4	-8	-2	3	27	42	37	24	7
19		15	13	10	9	9	-3	-19	1	7	7	13	13	9	7	6	3	2	2	7	9	14	14	14	13	7
20		11	13	9	7	-10	-20	-10	-13	2	9	13	19	13	13	13	9	9	7	3	8	18	21	20	15	7
21		9	7	7	7	1	-4	2	2	1	3	6	7	8	2	-4	-8	-10	-10	-4	-2	4	7	8	8	2
22	Q	3	3	3	2	2	-3	2	2	2	3	7	8	8	6	2	2	1	3	3	7	4	6	11	7	4
23	Q	6	3	7	3	6	3	1	3	3	3	5	1	-3	-3	-4	-8	-2	-2	-3	2	8	14	14	7	3
24		8	13	18	14	13	9	9	7	-3	6	8	13	8	6	-6	-8	-12	-8	-3	2	6	9	9	3	5
25	D	1	1	0	0	1	-4	-10	-16	5	1	6	6	2	1	1	1	-5	-9	-5	6	3	12	24	35	2
26		29	16	11	6	6	5	2	-3	-1	2	6	12	10	12	6	1	-3	0	2	11	17	19	23	19	9
27		13	8	8	-5	1	1	2	3	2	1	0	8	7	5	2	3	2	5	8	13	12	16	20	12	6
28		8	6	6	3	3	2	6	6	6	6	9	12	8	7	5	2	8	12	11	12	12	18	18	11	8
29		6	6	5	2	2	2	2	1	-5	-4	2	6	3	1	5	6	2	6	8	12	12	14	8	1	4
30		1	1	2	5	-4	-14	-5	-12	-9	7	8	8	1	-6	-5	-0	1	3	10	18	29	34	35	28	6
31		20	18	7	2	0	-3	-10	-26	-54	-26	-4	6	3	-1	-1	0	0	1	9	14	14	17	19	20	1
MEAN A		13	11	8	6	4	1	-0	-3	-2	3	6	8	4	2	-1	-2	-2	-1	2	8	13	18	20	17	6
MEAN C		1 <sup>0</sup>	9	9	8	9	8	7	9	9	10	11	10	7	5	3	2	3	3	7	11	12	14	14	10	8
MEAN D		17	14	9	3	-1	-2	-1	-4	-2	4	7	8	-2	-2	-5	-6	-8	-9	-2	7	19	29	35	31	6

HORIZONTAL INTENSITY

TABLE 25 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

SEPTEMBER 1967

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		236	243	251	231	217	214	187	232	236	236	238	235	210	168	184	210	225	225	224	248	226	264	233	246	226
2		221	225	225	228	230	236	225	220	236	226	219	209	198	194	178	167	171	194	214	232	242	237	241	240	217
3		238	242	238	238	238	242	240	238	238	233	227	222	219	215	207	209	215	228	244	253	253	252	238	243	234
4		247	243	247	243	243	242	238	233	239	237	242	232	215	205	200	195	207	220	234	247	250	250	242	239	233
5	Q	243	238	240	243	243	243	243	240	237	239	243	238	221	205	186	174	182	205	232	254	259	254	247	248	231
6		247	249	254	247	243	244	247	246	245	243	243	238	227	210	194	189	196	211	226	243	249	245	243	249	234
7		249	249	246	249	249	248	249	244	244	243	243	239	232	222	198	195	210	221	243	259	265	259	253	249	240
8		251	251	251	250	249	250	245	248	248	244	244	235	222	206	206	196	201	222	247	251	260	245	245	246	238
9		232	242	250	233	235	239	243	239	238	238	239	232	228	222	206	189	186	201	224	244	246	251	248	240	231
10	Q	230	229	240	239	238	239	239	239	239	239	239	238	229	217	197	192	200	209	223	240	245	249	248	250	231
11	Q	250	250	250	251	251	250	251	250	250	247	244	239	232	212	200	194	196	212	225	239	246	247	248	250	237
12	Q	250	253	251	251	250	250	251	252	255	254	251	245	238	223	222	217	221	233	250	264	260	250	255	255	246
13		260	259	257	260	272	244	250	250	222	250	239	224	217	196	188	162	141	207	235	244	239	222	226	232	229
14		229	232	233	229	233	232	236	234	232	228	223	221	194	196	196	200	206	212	227	242	245	244	234	239	225
15		244	240	239	248	235	238	218	229	235	240	244	239	226	212	202	208	224	242	252	265	254	250	245	250	237
16		244	240	234	233	238	244	239	239	240	240	239	231	217	207	200	193	195	218	229	239	245	251	250	253	232
17		250	254	249	245	244	240	243	245	245	245	244	240	228	214	200	195	200	213	236	248	253	254	250	250	237
18		255	254	251	251	250	250	249	250	250	250	240	240	236	223	201	200	207	216	233	251	255	249	239	234	239
19		218	232	233	235	236	244	234	232	242	238	239	233	211	189	191	196	201	217	237	258	271	250	254	250	231
20	D	245	240	246	238	234	240	240	213	194	222	240	212	211	193	147	169	179	205	233	256	284	220	218	233	221
21	D	228	218	93	133	112	72	80	51	84	166	207	190	187	178	169	162	151	218	250	271	279	251	238	232	176
22		206	212	218	222	233	220	222	222	223	227	223	222	217	206	190	189	195	206	221	227	232	229	228	228	218
23	Q	232	232	232	232	232	232	233	233	233	234	232	231	226	217	200	195	201	216	222	232	233	235	237	238	227
24		238	239	238	237	238	238	239	240	241	243	239	233	226	220	207	195	183	200	207	217	232	232	233	228	227
25		233	238	239	241	243	243	243	243	244	243	242	238	232	221	206	191	189	195	211	228	235	249	250	242	231
26		242	242	243	243	243	242	239	238	242	241	238	236	227	215	205	204	208	220	232	243	233	236	242	236	233
27		233	236	238	239	235	232	235	240	241	241	241	238	225	213	209	203	199	208	225	236	242	245	251	254	232
28	D	251	246	237	225	218	185	116	197	213	217	208	218	218	207	192	183	195	191	198	229	230	240	222	192	210
29	D	180	181	199	213	203	164	157	71	57	104	208	214	200	185	158	147	172	189	186	222	243	219	212	215	179
30	D	202	187	187	190	206	196	173	223	213	187	189	216	176	176	195	179	172	210	215	222	228	227	228	217	200
MEAN A		236	236	233	234	233	228	223	224	225	230	234	229	218	206	194	190	194	212	228	243	248	244	240	239	226
MEAN Q		241	240	242	243	243	243	243	243	243	243	242	238	229	215	201	194	200	215	230	246	249	247	247	248	234
MEAN D		221	214	192	200	195	171	153	151	152	179	210	210	198	188	172	168	174	203	216	240	253	231	224	218	197

AGINCOURT MAGNETIC OBSERVATORY 1967



DECLINATION

TABLE 26 AGINCOURT

D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES

SEPTEMBER 1967

HOUR UT DAY	0 TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 5	5 TO 6	6 TO 7	7 TO 8	8 TO 9	9 TO 10	10 TO 11	11 TO 12	12 TO 13	13 TO 14	14 TO 15	15 TO 16	16 TO 17	17 TO 18	18 TO 19	19 TO 20	20 TO 21	21 TO 22	22 TO 23	23 TO 24	MEAN
1	34.6	33.0	31.5	33.8	31.0	30.7	33.9	32.9	26.6	28.4	29.5	27.6	25.6	31.3	44.8	44.4	47.9	46.6	47.1	42.1	38.9	37.1	34.7	30.7	35.2
2	29.5	35.0	34.1	30.9	35.2	35.9	38.1	45.8	35.9	33.7	40.4	33.0	29.5	30.6	31.8	39.0	44.8	45.4	44.7	42.5	38.9	36.9	35.2	35.9	36.8
3	37.0	36.7	36.3	37.0	37.1	36.7	38.1	35.8	34.8	34.2	31.8	32.4	30.5	32.0	34.8	39.1	42.5	45.1	43.4	40.9	38.4	37.0	35.9	36.8	36.8
4	38.1	37.0	35.0	35.1	35.9	36.3	34.6	38.2	33.0	32.7	31.6	29.4	28.6	32.1	34.8	39.6	43.5	45.5	45.3	43.4	39.6	36.9	35.2	35.9	36.6
5	Q 35.8	36.2	36.8	37.0	37.0	36.2	35.8	37.1	36.8	35.0	32.6	29.4	27.2	28.7	32.8	39.2	45.3	48.4	45.3	45.5	41.4	37.4	35.8	35.9	37.0
6	35.8	35.0	33.2	32.9	32.9	35.1	35.6	34.8	34.0	33.7	32.7	29.6	26.7	26.7	30.6	35.0	41.4	44.9	45.9	45.0	42.4	39.2	36.9	36.0	35.7
7	36.1	36.0	36.0	36.0	35.9	35.6	35.2	35.0	33.9	32.8	31.0	28.5	26.5	26.9	26.4	35.0	42.4	46.9	46.6	44.4	41.5	38.5	37.3	37.4	35.9
8	37.0	36.6	37.0	36.2	35.9	35.0	34.1	33.9	33.0	32.8	31.6	27.5	25.1	28.5	33.0	37.1	43.6	48.0	46.8	44.6	41.4	40.3	37.9	38.2	36.5
9	36.3	37.0	34.8	29.6	34.1	36.0	35.7	35.0	37.1	36.1	35.0	33.9	29.6	31.6	32.8	37.1	40.6	43.5	44.6	44.0	42.5	40.1	38.2	39.3	36.9
10	Q 40.1	37.1	37.2	40.3	36.3	36.6	35.9	35.1	34.1	33.9	32.7	30.5	27.5	27.5	29.8	34.7	38.4	40.4	40.9	40.2	38.5	37.4	37.1	37.1	35.8
11	Q 37.0	36.9	36.3	36.1	36.0	35.3	35.0	34.2	33.9	32.9	30.7	28.6	27.6	27.7	29.8	34.1	38.7	42.1	43.5	41.6	38.4	36.3	36.0	36.9	35.2
12	Q 37.1	36.3	36.3	36.0	35.8	35.2	34.7	34.2	33.9	33.1	32.5	30.7	29.6	30.7	35.0	37.3	38.4	39.6	40.3	39.3	36.9	35.0	36.0	37.3	35.5
13	37.3	37.3	36.8	35.2	33.0	31.7	31.7	29.7	27.5	27.7	23.2	28.4	30.5	30.2	34.4	40.6	48.0	52.3	43.4	40.6	39.1	37.3	39.2	34.0	35.4
14	36.2	38.2	37.2	36.0	35.5	34.1	39.4	35.0	30.7	32.2	32.5	28.5	32.4	40.0	41.5	41.4	39.4	41.6	41.4	40.0	38.2	35.0	36.1	34.8	36.5
15	29.0	36.7	31.7	35.8	35.8	42.3	52.9	34.7	33.7	30.7	30.7	29.5	29.6	30.7	33.9	37.1	39.4	40.9	40.4	38.5	37.1	35.2	36.0	37.1	35.8
16	37.2	34.8	32.9	37.4	39.4	39.3	35.8	34.8	34.1	33.4	32.7	30.9	30.8	33.0	36.2	40.5	42.9	44.6	43.9	41.5	38.6	37.2	37.1	36.9	36.9
17	37.2	37.2	37.0	34.9	36.5	36.1	36.1	34.9	34.0	32.1	31.9	30.8	29.9	31.8	34.0	37.2	42.4	44.9	44.7	41.5	39.3	37.2	36.2	37.0	36.5
18	36.3	36.3	36.9	36.3	36.2	35.9	35.4	35.1	34.4	34.0	32.9	31.8	28.8	28.4	30.8	39.5	44.5	46.9	47.9	45.8	42.9	41.5	41.3	39.0	37.4
19	38.3	28.6	34.7	36.2	37.0	36.1	35.3	34.0	37.2	31.8	30.7	28.6	27.2	32.6	36.1	38.5	43.5	44.7	46.1	44.6	44.5	38.5	37.2	38.4	36.7
20	D 37.5	37.0	36.3	35.9	33.2	36.3	35.3	43.6	34.7	29.7	32.9	33.2	38.3	36.1	38.3	48.6	49.1	46.6	45.8	44.5	43.4	41.6	36.1	28.6	38.4
21	D 17.8	25.5	24.2	44.5	32.7	45.5	32.3	27.8	18.1	42.2	28.7	28.7	35.6	37.3	37.4	38.5	42.6	41.0	42.2	41.5	40.6	41.6	39.5	35.8	35.1
22	35.5	37.3	37.0	37.4	39.4	37.2	36.6	36.0	35.4	35.2	34.8	33.0	31.9	31.7	32.3	37.2	39.4	41.6	43.4	41.6	39.4	38.4	38.1	38.0	37.0
23	Q 37.6	37.5	37.3	37.3	37.1	36.4	36.1	36.0	36.2	34.1	34.1	33.3	32.2	33.2	35.2	38.6	41.7	42.9	42.6	40.6	38.7	37.3	37.2	37.6	37.1
24	37.5	37.3	37.5	37.3	36.4	36.5	36.2	35.5	35.4	35.5	34.8	31.8	30.9	31.1	34.6	38.6	41.5	41.6	42.7	42.6	41.2	39.5	39.3	38.4	37.2
25	37.0	36.2	36.4	37.1	36.4	36.2	36.4	36.3	35.5	35.4	35.2	33.0	31.0	29.8	29.7	32.9	37.3	40.5	42.3	42.9	42.6	41.5	40.5	39.4	36.7
26	37.8	37.2	37.0	36.5	36.3	36.3	34.8	35.3	36.0	34.0	33.9	32.4	30.1	29.8	32.2	36.2	40.3	42.2	42.9	42.9	41.4	40.1	39.8	40.5	36.9
27	39.4	37.4	36.9	36.2	36.0	36.3	35.9	35.5	35.2	35.0	34.3	32.2	29.8	30.8	35.2	36.0	39.4	43.5	43.8	42.7	41.4	40.3	38.4	37.6	37.0
28	D 37.4	37.5	38.2	35.3	32.9	32.4	40.6	29.9	35.0	32.4	37.3	44.8	31.3	31.8	37.3	38.7	44.0	42.7	44.9	41.2	40.7	39.5	38.6	37.2	37.6
29	D 33.1	27.0	29.9	32.1	38.8	38.1	24.5	33.1	54.2	48.0	38.5	36.5	36.1	37.4	41.7	47.9	50.1	45.6	45.3	42.3	37.5	36.3	31.1	28.6	38.1
30	D 29.9	33.0	32.0	30.9	34.1	35.0	44.9	34.5	29.4	36.2	45.9	42.8	40.8	42.7	40.3	37.2	38.6	40.6	39.9	37.4	36.5	37.1	36.4	36.1	37.2
MEAN A	35.5	35.5	35.2	35.8	35.7	36.2	36.2	35.1	34.1	34.0	33.2	31.7	30.4	31.8	34.6	38.6	42.4	44.0	43.9	42.2	40.1	38.2	37.1	36.4	36.6
MEAN Q	37.5	36.8	36.8	37.3	36.4	35.9	35.5	35.3	35.0	33.8	32.5	30.5	28.8	29.6	32.5	36.8	40.5	42.7	42.5	41.5	38.8	36.7	36.4	37.0	36.1
MEAN D	31.1	32.0	32.2	35.7	34.3	37.5	35.5	33.8	34.3	37.7	36.7	37.2	36.4	37.1	39.0	42.2	44.9	43.3	43.6	41.4	39.7	39.2	36.3	33.3	37.3

PUBLICATIONS OF THE DOMINION OBSERVATORY

VERTICAL INTENSITY

TABLE 27 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

SEPTEMBER 1967

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		21	14	-12	-7	-7	-43	-78	-59	-6	12	10	5	-7	-7	-3	-8	-9	-3	5	18	20	34	31	44	-1
2		42	27	22	11	10	3	-19	-36	-19	-30	-36	-38	-18	-18	-15	-12	-1	15	21	22	26	21	16	14	0
3		9	10	9	9	9	6	4	5	7	4	6	8	4	4	5	4	7	8	8	10	11	14	15	15	8
4		11	10	8	5	-3	3	4	3	3	8	11	10	10	8	4	3	9	16	22	23	16	17	14	10	9
5	Q	12	10	10	10	10	8	8	4	5	6	11	11	8	5	5	9	10	10	21	22	21	14	8	8	10
6		8	8	4	-3	1	4	5	4	6	6	9	11	10	4	-3	-8	-8	-2	6	16	20	15	11	9	6
7		4	5	5	5	5	4	4	4	4	4	5	4	-1	-8	-18	-18	-20	-9	-2	4	4	6	3	-0	-0
8		4	4	4	4	4	4	3	4	3	4	4	4	3	4	-2	-3	4	5	9	21	31	27	21	21	8
9		19	14	15	-3	5	9	6	6	3	-1	-6	-10	-7	-7	-5	-2	-0	3	8	17	24	32	26	25	7
10	Q	29	31	21	21	21	15	14	11	10	10	10	11	10	11	11	4	4	4	6	11	14	9	6	4	12
11	Q	4	4	4	4	4	4	4	4	4	3	3	4	3	-3	-3	-2	-2	-0	2	4	8	6	5	4	3
12	Q	4	3	3	3	4	4	4	4	4	3	3	3	-1	-1	1	4	6	9	10	14	15	7	4	3	5
13		5	4	4	5	-7	-11	16	11	-6	-18	-13	-6	-5	-3	-4	5	23	38	49	46	45	40	34	10	10
14		22	16	12	12	11	10	0	5	-0	2	3	-7	-14	-18	-17	-8	-3	5	11	16	23	31	12	17	6
15		11	11	11	0	5	-12	-57	-34	7	9	9	5	7	4	0	-2	0	4	5	11	11	6	5	11	1
16		13	7	10	6	6	0	6	8	10	7	9	9	6	3	5	0	3	12	16	17	13	12	7	6	8
17		7	6	6	7	6	7	6	6	5	6	8	6	3	0	-1	-6	-1	2	10	12	12	12	7	6	5
18		5	4	2	5	4	5	4	5	5	5	4	-1	-5	-6	0	2	5	17	30	40	42	40	41	11	11
19		42	12	13	17	16	6	-6	6	6	6	12	11	6	1	2	6	6	8	16	23	27	23	12	12	12
20	D	16	18	14	31	24	17	12	-24	-46	-37	-41	-50	-35	-27	-17	-4	8	12	17	13	29	46	46	59	3
21	D	56	11	-178	-144	-106	-123	-80	-177	-140	-83	-57	-38	-21	-15	7	21	51	53	37	93	88	88	74	66	-22
22		35	30	26	30	13	18	19	19	18	18	18	18	18	18	17	18	14	18	18	13	15	17	17	14	19
23	Q	14	14	14	14	14	14	14	13	13	13	14	17	17	15	13	7	8	9	13	15	13	13	13	13	13
24		13	13	13	14	13	13	13	13	11	2	1	7	10	11	13	13	13	17	18	18	19	27	28	25	14
25		24	18	15	14	14	13	13	11	12	12	13	16	17	13	12	7	6	4	7	13	18	19	20	18	14
26		13	11	11	11	11	11	11	9	6	7	11	13	13	9	7	8	7	8	11	13	9	11	18	18	11
27		18	13	10	9	11	12	11	11	10	10	10	12	11	7	3	0	0	2	1	1	3	6	8	7	8
28	D	8	8	14	20	12	-20	-72	-23	-21	-37	-68	-85	-29	-9	1	7	16	21	33	42	42	63	117	93	6
29	D	65	49	50	-15	-31	-113	-194	-222	-136	-120	-31	-7	8	12	10	13	23	37	49	65	87	83	55	48	-9
30	D	46	2	1	-10	11	-10	-83	-4	1	-15	-40	-36	-20	-3	1	7	22	26	25	24	18	14	16	20	1
MEAN A		19	13	5	3	3	-5	-14	-14	-7	-6	-4	-3	0	0	1	2	6	11	15	22	24	25	23	22	6
MEAN Q		12	12	11	10	11	9	9	7	7	7	8	9	7	6	5	5	5	6	11	13	14	10	7	7	9
MEAN D		38	18	-20	-24	-18	-50	-83	-90	-69	-58	-47	-43	-20	-8	0	9	24	30	32	47	53	59	62	57	-4

AGINCOURT MAGNETIC OBSERVATORY 1967

## HORIZONTAL INTENSITY

TABLE 28		AGINCOURT																				H = 16000 PLUS TABULAR VALUES IN GAMMAS		OCTOBER 1967		
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		223	211	223	224	229	223	223	217	223	218	219	234	229	217	198	193	197	213	222	229	233	234	234	234	221
2		233	232	233	233	234	233	233	237	239	239	239	237	228	207	196	190	196	207	222	223	230	228	233	235	226
3		239	239	242	237	239	244	245	237	243	244	244	241	228	206	191	190	190	202	217	237	228	232	244	239	229
4		237	239	240	239	239	238	240	240	240	242	240	238	228	216	202	192	193	202	218	233	244	251	239	249	231
5		239	240	245	245	239	233	237	235	242	242	243	243	236	222	200	187	192	203	217	228	236	234	242	242	230
6		243	240	237	226	228	239	239	240	240	240	242	234	227	211	207	198	195	203	210	221	231	243	245	245	228
7		245	237	235	245	246	244	246	250	245	248	246	245	239	223	211	202	196	207	222	235	241	239	245	244	235
8		245	244	242	244	245	247	253	256	256	254	249	246	234	223	239	234	224	218	224	229	239	250	245	250	241
9	D	251	250	251	255	253	251	253	253	256	248	241	245	239	229	218	208	202	202	208	218	230	224	216	200	233
10	D	187	196	222	216	218	220	223	230	231	235	230	218	193	196	181	189	186	193	202	218	220	231	213	231	212
11		235	240	240	242	237	231	235	236	235	234	232	230	226	212	182	161	202	203	214	221	230	245	242	248	226
12	D	242	226	229	226	231	225	215	224	226	231	237	236	225	215	207	193	190	211	226	236	242	238	242	247	226
13		220	214	223	232	231	231	235	236	237	237	237	236	225	211	209	203	200	208	214	224	231	236	233	240	225
14		247	248	249	249	248	243	243	238	237	244	243	239	231	215	204	203	204	211	225	237	230	233	243	247	234
15		241	233	232	243	244	245	245	247	248	247	248	247	239	227	215	208	207	220	226	232	238	247	250	253	237
16		247	239	243	247	248	247	249	248	248	248	246	242	234	225	215	211	215	220	231	241	244	249	250	250	239
17		249	250	251	251	243	243	236	244	243	241	240	247	243	232	216	215	218	221	238	244	237	249	243	245	239
18		248	249	249	250	248	246	247	248	244	243	244	242	237	223	216	211	218	227	234	247	248	251	240	245	240
19		249	254	251	248	250	251	251	252	250	250	250	248	239	222	206	199	209	221	233	244	250	253	250	253	241
20	Q	253	250	253	254	254	254	254	255	254	255	256	255	244	230	217	210	213	219	226	240	248	253	255	255	244
21	Q	255	254	254	254	254	254	254	254	254	254	253	250	239	222	207	202	205	216	227	238	245	252	254	259	242
22		260	260	259	260	259	259	259	260	260	263	260	260	250	237	216	207	205	215	227	238	248	259	260	266	248
23		264	253	238	247	248	245	248	248	253	248	250	250	236	234	221	199	191	202	216	225	244	250	250	254	238
24	Q	256	259	260	260	258	255	253	251	252	254	259	260	250	231	216	201	195	196	205	221	229	242	248	250	240
25	Q	254	254	256	256	253	249	250	253	253	254	254	254	248	232	211	200	194	195	207	227	234	243	254	255	239
26	Q	255	255	253	253	254	253	254	255	254	258	258	254	248	237	222	208	200	206	220	233	247	262	269	265	245
27		264	264	265	265	263	264	263	260	262	258	258	260	259	238	237	236	214	211	222	231	226	237	248	249	248
28	D	244	237	244	244	253	247	236	236	222	226	253	247	225	205	204	203	219	226	243	253	233	243	244	235	
29	D	247	249	248	248	248	248	246	248	241	241	237	233	248	225	209	214	205	220	235	243	248	249	247	247	239
30		244	238	221	224	236	205	228	237	235	243	241	237	226	209	199	198	198	210	225	237	237	243	244	253	228
31		250	248	247	247	245	247	248	248	249	249	252	252	246	235	231	225	226	232	243	253	255	252	253	255	245
MEAN A		244	242	243	244	244	242	243	244	244	245	245	244	236	222	210	203	203	211	222	233	239	243	244	247	235
MEAN Q		254	254	255	255	255	253	253	254	254	255	256	255	246	230	215	204	201	206	217	232	241	250	256	257	242
MEAN D		234	232	239	238	240	238	235	238	235	236	240	237	231	218	204	202	197	209	219	232	239	235	232	234	229

## DECLINATION

TABLE 29 AGINCOURT

D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES

OCTOBER 1967

HOUR UT DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
	TO 1	TO 2	TO 3	TO 4	TO 5	TO 6	TO 7	TO 8	TO 9	TO 10	TO 11	TO 12	TO 13	TO 14	TO 15	TO 16	TO 17	TO 18	TO 19	TO 20	TO 21	TO 22	TO 23	TO 24	
1	34.1	32.9	33.2	35.5	37.4	35.3	35.3	38.4	34.1	35.5	37.9	35.0	33.0	31.9	33.1	36.3	40.6	41.8	42.0	39.9	38.5	38.4	38.5	38.4	36.5
2	38.4	37.7	36.3	36.4	37.6	37.3	36.4	35.6	36.2	35.6	33.1	32.0	30.2	31.0	33.2	36.3	41.6	43.7	42.6	40.8	39.4	38.4	38.1	38.1	36.9
3	37.4	36.9	36.4	37.1	36.5	35.0	34.2	34.4	33.1	32.3	34.0	31.9	29.6	28.9	31.4	35.3	38.6	41.9	43.5	43.7	43.6	40.9	40.1	39.4	36.5
4	38.4	37.4	37.2	37.2	36.4	35.5	35.3	35.3	35.1	34.8	34.4	33.3	31.3	30.3	30.2	35.3	39.2	42.2	42.7	41.2	39.5	38.8	39.3	38.6	36.6
5	38.5	37.5	36.6	35.5	35.5	35.5	34.6	33.1	34.0	33.2	34.3	33.2	31.2	31.0	30.2	34.7	39.5	43.1	44.7	42.8	41.5	39.4	37.6	37.3	36.4
6	36.3	34.5	35.0	35.3	33.1	35.4	36.3	35.6	34.6	35.3	34.9	34.3	32.0	30.1	31.8	34.0	37.4	40.8	41.7	41.5	39.6	38.6	38.1	37.7	36.0
7	38.4	38.4	36.0	37.1	37.1	36.4	36.3	35.6	35.1	37.0	34.2	29.9	27.8	28.2	30.1	34.0	40.2	42.7	43.8	43.0	41.5	39.5	38.5	37.9	36.6
8	37.4	36.8	36.6	36.5	36.7	36.3	35.7	35.0	34.3	33.7	33.5	32.1	27.1	28.9	36.4	37.7	38.8	39.6	41.0	42.9	42.9	40.7	38.5	38.7	36.6
9	D 38.1	37.5	33.2	38.5	37.4	36.4	35.5	34.3	33.6	36.3	31.9	31.2	30.2	29.9	31.2	34.3	37.5	40.8	42.8	45.0	42.8	40.0	38.8	28.9	36.1
10	D 32.4	29.1	26.0	35.2	39.7	37.3	38.5	35.5	32.0	34.2	34.6	39.7	46.0	44.9	42.9	43.1	46.2	44.0	43.1	40.8	39.6	36.2	37.6	40.7	38.3
11	38.6	37.5	37.4	36.5	36.5	36.4	36.1	34.6	35.2	34.3	34.3	34.3	32.1	31.1	33.2	37.8	40.1	40.8	41.8	40.8	39.4	39.0	38.6	38.7	36.9
12	D 40.0	26.7	35.6	35.7	33.0	30.3	33.3	37.5	35.7	37.7	34.4	33.6	31.9	31.0	31.9	33.1	40.6	42.9	41.6	40.8	39.8	38.9	38.7	40.6	36.0
13	33.3	35.4	35.7	35.5	36.6	36.8	36.6	36.3	36.2	35.9	35.6	34.8	33.2	34.0	34.6	36.4	40.1	41.8	42.7	42.8	41.8	40.7	39.4	38.0	37.3
14	38.2	37.7	36.5	37.1	36.8	36.2	37.1	39.7	39.8	35.3	34.7	33.2	32.2	30.1	32.3	35.6	38.4	40.9	41.9	43.0	44.4	41.7	39.7	40.5	37.6
15	38.6	27.2	37.5	37.4	37.5	37.4	36.6	36.3	35.8	35.3	35.3	34.1	31.2	30.1	31.2	34.2	37.5	40.6	41.7	41.9	41.0	39.8	38.8	38.7	36.5
16	38.9	37.4	37.6	36.7	36.8	36.5	36.6	36.4	35.6	35.5	35.5	34.4	32.1	31.5	32.0	35.5	39.3	41.8	42.9	42.4	40.7	38.8	38.1	37.8	37.1
17	36.6	36.5	36.6	33.4	35.6	35.7	32.2	34.2	36.4	32.2	31.2	31.3	29.9	28.9	31.2	33.3	37.4	40.8	42.8	44.8	44.0	41.9	38.9	38.6	36.0
18	37.2	36.4	36.5	35.8	36.2	36.2	36.5	38.6	35.7	36.2	35.2	33.3	31.5	29.9	31.4	34.9	38.8	41.9	42.9	42.7	40.8	39.5	39.4	37.8	36.9
19	37.5	35.5	36.5	36.4	37.6	37.5	37.3	36.7	36.2	35.8	35.8	34.4	31.0	28.2	28.8	33.0	38.4	42.0	44.1	44.0	41.9	39.8	39.0	38.4	36.9
20	Q 37.7	36.6	35.8	36.6	36.5	36.6	36.6	30.2	36.3	35.5	35.3	34.1	30.3	29.8	30.3	34.4	38.9	42.6	43.7	42.9	40.8	38.9	38.6	37.7	36.5
21	Q 37.2	36.5	36.5	36.6	36.6	36.5	36.5	36.4	35.8	35.6	35.5	34.5	32.1	30.0	30.4	34.4	38.9	41.7	42.0	41.4	39.8	38.9	38.7	37.8	36.7
22	37.5	36.7	36.5	36.5	36.5	36.5	36.5	36.4	35.8	35.3	34.5	33.3	30.3	28.9	28.0	32.2	37.3	41.9	44.0	45.1	43.0	40.8	39.0	37.9	36.7
23	36.8	36.3	34.2	35.5	36.3	36.3	37.6	41.9	33.3	33.3	33.8	32.5	33.2	31.9	30.1	32.3	38.4	42.6	44.3	44.0	41.8	39.6	38.7	37.6	36.8
24	Q 36.9	36.4	36.0	36.2	35.8	36.6	35.8	35.7	36.3	34.6	33.3	33.6	31.6	31.3	34.5	34.8	38.8	41.0	42.1	42.1	41.0	39.8	38.7	37.7	36.7
25	Q 36.7	36.5	36.4	36.6	36.6	36.6	36.5	36.9	36.3	35.6	36.4	34.6	32.3	30.8	30.4	33.2	36.8	40.9	43.0	44.0	42.9	40.9	39.0	37.8	37.0
26	Q 36.8	36.9	36.6	36.0	35.6	36.7	36.3	36.3	35.9	35.6	35.4	34.5	32.6	30.4	29.0	31.5	35.9	39.9	42.0	42.8	41.9	39.9	38.8	37.8	36.5
27	37.6	36.9	36.7	36.6	36.6	36.4	36.5	36.8	36.1	31.5	33.2	32.7	30.2	33.2	36.5	36.6	37.9	42.2	42.2	43.0	41.1	39.9	38.1	38.0	36.9
28	D 37.7	36.6	36.7	35.6	36.8	34.5	36.3	30.2	30.5	40.8	39.7	39.7	32.3	28.3	31.6	34.4	38.8	40.9	43.0	43.1	43.0	42.3	39.4	39.3	37.2
29	D 37.5	36.6	35.7	37.6	37.5	37.6	36.6	35.9	35.7	35.8	36.4	37.6	35.8	39.1	29.2	38.8	37.5	39.1	41.1	40.8	38.8	38.5	38.8	38.0	37.3
30	38.0	38.8	37.7	35.8	43.7	44.1	37.8	39.1	39.7	35.7	35.6	34.5	33.6	34.3	35.6	37.6	39.8	40.7	40.3	39.0	38.0	38.2	38.5	37.8	38.1
31	37.7	37.6	37.7	37.7	37.7	37.7	37.7	37.5	36.6	36.4	35.8	35.4	34.5	33.8	33.6	38.8	41.4	43.1	43.0	40.7	38.5	38.0	38.8	38.1	37.8
MEAN A	37.3	35.9	35.9	36.3	36.8	36.4	36.2	36.0	35.4	35.2	34.8	34.0	32.0	31.3	32.1	35.3	39.0	41.6	42.6	42.4	41.1	39.6	38.7	38.1	36.8
MEAN Q	37.1	36.6	36.3	36.4	36.2	36.6	36.3	35.1	36.1	35.3	35.2	34.2	31.8	30.5	30.9	33.6	37.8	41.2	42.6	42.7	41.3	39.7	38.7	37.8	36.7
MEAN D	37.1	33.3	33.4	36.5	36.9	35.2	36.0	34.7	33.5	36.9	35.4	36.4	35.3	34.6	33.4	36.7	40.1	41.6	42.3	42.1	40.8	39.2	38.6	37.5	37.0

AGINCOURT MAGNETIC OBSERVATORY 1967



## VERTICAL INTENSITY

TABLE 30 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

OCTOBER 1967

DAY	0 TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 5	5 TO 6	6 TO 7	7 TO 8	8 TO 9	9 TO 10	10 TO 11	11 TO 12	12 TO 13	13 TO 14	14 TO 15	15 TO 16	16 TO 17	17 TO 18	18 TO 19	19 TO 20	20 TO 21	21 TO 22	22 TO 23	23 TO 24	MEAN	
1	20	20	3	15	17	14	14	10	0	0	-4	-4	2	9	12	7	7	9	10	14	13	13	13	14	9	
2	14	13	13	13	13	13	13	14	11	6	10	13	11	9	10	9	8	9	12	15	20	14	13	14	12	
3	14	12	11	12	12	5	-3	3	5	9	9	10	12	10	9	4	3	5	7	13	14	17	20	18	10	
4	13	10	9	8	8	8	8	9	8	8	9	11	11	9	6	2	3	2	2	2	7	13	11	13	8	
5	10	8	8	8	6	12	11	8	-1	1	8	9	9	6	2	2	2	4	7	4	8	9	11	11	7	
6	11	9	8	1	-9	7	8	8	8	8	8	8	7	2	-4	-6	-11	-10	-5	2	6	8	8	8	3	
7	9	10	14	13	9	8	8	8	5	-9	-12	-9	-3	0	1	1	2	3	6	9	12	10	9	8	5	
8	8	8	8	8	8	8	8	5	4	3	2	4	6	3	-3	-10	-9	-9	1	6	12	13	11	9	4	
9	D	8	9	8	9	7	6	5	3	2	-6	-17	-4	-1	1	-3	-4	3	13	23	42	47	48	69	11	
10	0	89	95	67	17	-11	6	2	-2	-5	8	9	-3	-30	-10	3	8	8	13	27	31	31	41	36	27	19
11		21	19	14	14	10	10	11	13	13	10	9	9	3	-5	5	2	-1	9	15	15	16	14	16	11	
12	D	17	10	3	21	10	3	-3	4	5	3	12	14	16	15	10	17	20	20	20	17	15	19	13	16	
13		28	27	29	21	17	16	14	14	14	13	12	14	14	16	15	9	9	13	14	16	16	18	16	15	16
14		15	11	11	11	10	10	7	-3	-7	-2	5	8	10	10	8	-0	-1	5	10	15	15	21	18	15	8
15		21	17	18	15	11	9	9	9	8	8	8	10	10	5	2	-2	-7	-5	-2	3	5	8	8	10	7
16		10	14	12	11	7	6	7	7	5	6	7	9	10	7	5	2	1	2	5	8	11	11	8	5	7
17		6	5	5	2	0	-2	-7	-7	-13	-17	-13	1	5	5	5	-2	-9	-7	-2	1	5	16	12	11	0
18		10	10	10	7	7	5	0	-11	-10	-1	0	6	12	6	-1	-13	-13	-12	-6	0	5	8	8	10	2
19		10	6	6	6	6	6	6	6	6	6	6	9	12	8	6	1	1	1	4	7	12	10	7	10	7
20	Q	10	11	11	8	7	7	7	7	7	7	7	9	11	10	2	-5	-5	-0	1	4	6	7	6	6	6
21	Q	6	6	6	4	4	3	3	3	3	3	4	7	9	10	7	1	-0	3	7	8	9	8	7	7	5
22		5	5	5	4	3	3	3	3	3	2	2	4	5	1	-4	-8	-10	-8	-3	2	7	5	2	3	1
23		3	8	17	14	9	2	-3	-21	-14	-3	4	6	8	8	3	-8	-12	-10	-4	2	8	8	8	7	2
24	Q	8	5	4	3	2	2	1	-2	-8	-9	-7	1	3	3	3	-3	-2	-1	3	9	11	11	9	8	2
25	Q	8	7	6	5	4	3	3	3	1	2	2	3	4	2	-3	-14	-14	-9	-3	2	3	6	8	5	1
26	Q	5	5	5	4	2	3	3	4	4	4	4	4	-0	-5	-12	-12	-6	-2	2	5	6	5	3	1	
27		2	2	1	1	2	1	1	-0	-12	-20	-7	-0	3	3	4	-12	-14	-4	-1	10	10	10	10	9	-0
28	D	9	10	10	5	-2	-12	-21	-25	-23	-41	-80	-71	-48	-30	-17	-10	-6	-2	-0	5	7	10	6	9	-13
29	D	9	11	23	13	7	7	7	6	6	-4	-24	-31	-31	-30	-14	-19	-12	-5	6	11	5	4	5	-2	
30		6	7	10	13	-23	-39	-18	-5	-9	5	8	10	11	10	6	3	5	9	11	13	8	6	8	8	3
31		6	5	5	6	6	5	5	5	6	5	5	5	5	6	5	5	5	10	10	9	6	4	5	4	6
MEAN A		13	13	12	9	5	4	3	2	1	1	0	2	3	3	2	-2	-2	0	5	9	12	13	12	12	6
MEAN Q		7	7	6	5	4	4	3	3	1	1	2	5	6	5	1	-7	-7	-3	1	5	7	8	7	6	3
MEAN D		26	27	22	13	2	2	-2	-3	-3	-6	-16	-18	-19	-11	-6	-2	-1	4	11	17	22	24	22	26	6



HORIZONTAL INTENSITY

TABLE 31 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

NOVEMBER 1967

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		255	255	255	255	255	256	257	258	258	258	259	259	252	237	227	224	226	235	238	247	249	258	258	259	250
2		260	253	253	248	249	247	247	244	251	253	249	254	254	243	236	232	228	220	217	220	235	236	227	234	241
3	D	230	238	239	243	243	243	241	243	244	252	249	249	243	228	209	229	210	188	204	227	221	221	233	236	232
4		232	220	215	219	231	231	241	240	240	240	242	242	235	226	218	213	210	214	225	237	241	248	242	232	230
5		232	240	243	242	242	241	249	235	236	242	243	242	237	231	219	202	203	210	220	229	236	236	238	237	233
6		242	243	245	246	247	248	248	248	248	252	256	254	246	232	225	226	230	231	236	242	247	248	255	257	244
7	Q	254	254	252	252	258	254	255	258	262	263	263	258	254	248	242	242	243	246	249	254	258	258	263	263	254
8	D	269	236	239	236	247	247	247	245	250	251	251	251	247	241	236	219	234	235	244	227	236	231	235	240	241
9		236	241	238	235	245	235	237	241	245	246	246	241	240	221	224	235	220	221	213	230	240	247	251	255	237
10		251	251	251	247	248	248	249	249	249	251	248	248	246	237	226	217	217	219	223	237	241	249	255	256	242
11		255	249	253	252	253	250	249	252	254	255	256	254	247	235	226	224	220	225	237	256	260	227	229	240	244
12	D	240	232	226	231	232	216	217	245	235	232	239	245	242	229	221	202	197	201	201	208	217	239	245	246	227
13	D	248	248	232	222	234	238	236	232	232	236	236	240	240	232	223	214	212	207	217	230	244	251	232	239	232
14		238	247	245	244	241	243	256	244	245	248	247	244	247	239	228	222	217	217	234	243	249	249	249	253	241
15		251	250	248	247	244	246	243	244	247	249	250	249	241	221	216	204	194	184	215	233	239	244	247	233	235
16		247	248	250	255	258	244	242	243	242	248	249	253	245	232	223	215	211	217	231	238	248	255	258	255	242
17	Q	253	250	249	248	248	248	249	250	253	253	252	250	246	238	227	222	225	232	243	251	254	251	251	251	246
18	Q	250	252	252	250	250	250	253	255	254	255	254	253	250	242	230	221	226	231	239	247	249	253	255	255	247
19	Q	255	254	252	253	250	254	253	254	254	255	256	256	253	243	231	220	215	224	241	248	254	254	259	259	248
20	Q	258	254	255	255	254	255	258	259	259	259	259	259	255	244	231	219	215	221	234	247	255	260	264	265	250
21		263	260	258	258	258	258	258	260	263	264	264	263	258	247	243	238	237	242	254	264	264	259	241	244	255
22		257	258	254	243	247	246	241	243	237	242	247	254	238	227	221	209	197	205	219	230	241	249	254	254	238
23		254	253	253	252	254	248	252	252	249	246	249	254	253	239	221	208	199	204	220	237	249	254	254	246	242
24	D	232	253	230	241	238	228	216	228	240	241	242	251	243	230	225	215	199	198	204	216	229	221	229	226	228
25		231	231	233	232	237	237	244	247	248	247	245	242	246	231	218	205	209	215	226	231	226	230	239	238	233
26		228	237	242	243	247	247	247	249	249	247	249	249	252	242	224	226	219	216	226	235	238	241	251	247	240
27		242	246	247	243	249	237	247	248	248	257	257	258	260	253	246	242	232	226	218	222	226	232	230	230	242
28		226	220	211	209	209	203	197	216	234	233	237	238	234	230	225	212	203	202	215	221	232	240	232	226	221
29		227	237	237	234	235	245	248	249	242	235	260	258	252	248	238	225	209	209	221	235	246	250	253	256	239
30		254	248	244	247	247	247	249	240	238	246	253	254	258	252	241	237	232	229	235	225	224	227	231	225	241
MEAN A		246	245	243	243	245	243	244	246	247	249	250	251	247	237	227	221	216	217	227	236	242	244	245	245	240
MEAN Q		254	253	252	252	252	252	254	255	256	257	257	255	252	243	232	225	225	231	241	250	254	255	258	259	249
MEAN D		244	242	233	234	239	234	231	239	240	243	244	247	243	232	223	216	210	206	214	222	230	232	235	237	232

AGINCOURT MAGNETIC OBSERVATORY 1967

## DECLINATION

TABLE 32		AGINCOURT																				D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES		NOVEMBER 1967		
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		37.7	37.4	37.4	36.9	37.6	36.8	36.7	36.1	35.7	35.4	34.7	34.5	33.4	32.1	32.4	33.7	36.6	39.7	41.1	42.0	42.0	42.2	41.8	39.2	37.2
2		38.9	38.0	36.6	35.8	36.1	35.8	35.4	36.4	38.8	33.3	32.6	33.4	32.4	32.6	35.3	36.8	39.8	42.8	45.2	44.2	40.6	43.0	44.1	43.4	38.0
3	D	37.7	36.4	35.3	36.6	37.5	36.9	35.6	35.6	36.2	35.6	30.7	31.4	31.3	29.0	36.6	39.6	38.0	45.8	48.2	45.3	43.0	41.9	39.1	36.6	37.5
4		36.4	29.3	30.4	35.7	35.6	36.8	38.5	37.9	35.3	35.3	36.5	35.4	33.4	32.7	32.3	34.5	37.7	40.9	42.0	41.9	40.8	39.1	38.8	38.7	36.5
5		37.4	35.3	35.2	35.0	36.4	36.7	35.4	34.5	35.8	35.6	33.3	34.6	34.3	32.9	33.9	36.4	41.0	43.5	45.2	44.4	42.7	40.6	39.0	38.8	37.4
6		36.6	36.7	36.6	36.7	37.5	37.7	37.7	37.8	37.9	36.8	35.4	34.5	33.6	33.4	34.4	35.6	37.7	40.4	41.1	40.8	39.6	39.0	38.0	37.6	37.2
7	Q	36.7	36.6	36.5	36.6	37.2	38.4	37.2	36.8	36.6	35.8	34.5	34.5	34.3	32.6	33.6	35.6	37.8	39.1	39.9	39.9	39.7	38.9	38.3	37.6	36.9
8	D	37.7	31.4	27.1	36.5	37.7	38.1	36.7	35.9	35.9	35.0	34.4	35.6	33.6	32.3	32.6	36.9	39.1	40.8	42.6	46.4	50.5	45.0	41.1	38.7	37.6
9		36.5	36.4	36.7	35.6	36.7	36.5	37.7	36.6	36.0	34.7	35.9	36.7	34.8	35.6	37.6	36.9	40.7	39.8	40.4	40.9	40.9	39.8	38.8	37.5	37.5
10		36.6	35.6	35.8	36.6	36.8	36.6	36.8	36.8	36.6	36.5	35.8	35.6	35.2	33.5	32.4	34.3	37.6	41.0	42.0	41.2	40.0	39.8	38.8	37.7	37.1
11		37.4	36.5	35.9	35.7	35.4	36.6	36.4	36.6	36.4	35.9	35.6	35.2	33.8	32.3	32.3	34.4	37.7	40.8	41.2	41.9	46.3	48.9	44.2	38.7	37.8
12	D	37.3	35.9	36.3	35.8	36.6	41.9	43.1	36.6	33.3	35.9	33.6	33.5	33.5	31.4	31.1	33.4	37.8	40.7	46.0	47.2	43.8	43.0	40.9	38.0	37.8
13	D	36.5	36.1	35.2	30.1	34.9	36.4	36.3	36.0	35.2	36.5	36.5	35.6	34.5	32.7	32.3	33.6	37.4	41.1	42.9	40.8	39.5	39.8	35.3	35.9	36.3
14		35.5	33.3	35.5	36.5	36.4	37.6	40.9	35.8	36.5	35.5	35.3	37.3	33.5	31.5	31.3	35.5	38.8	40.6	40.8	39.7	38.7	38.9	37.5	36.7	36.6
15		36.4	36.2	35.9	36.3	36.5	36.9	37.7	36.9	36.8	35.6	34.6	34.7	33.3	33.5	33.3	36.0	39.7	44.0	48.2	45.1	42.1	39.8	40.9	37.8	37.8
16		37.3	36.0	35.5	34.8	36.7	36.7	36.5	36.3	35.7	35.8	34.5	34.5	33.5	32.3	32.3	35.7	38.8	41.2	42.2	41.8	40.7	39.5	38.8	37.7	36.9
17	Q	37.4	36.4	36.4	36.5	36.5	36.6	36.3	36.5	36.4	35.8	35.6	35.2	34.3	33.2	33.3	35.7	38.4	39.8	40.7	39.8	38.8	38.7	38.3	37.7	36.8
18	Q	37.2	35.9	35.6	35.6	36.4	36.6	36.7	36.5	36.3	35.8	35.5	35.5	33.3	31.0	30.1	33.1	36.8	39.7	40.9	40.7	39.8	39.0	38.1	37.6	36.4
19	Q	36.7	36.5	36.5	36.3	35.6	35.6	36.4	37.3	36.5	36.3	35.5	35.1	33.4	31.9	31.4	33.6	37.6	41.9	41.9	41.5	40.2	38.8	37.8	37.5	36.7
20	Q	36.7	35.8	36.3	36.3	36.5	36.7	36.8	36.8	36.5	35.9	35.5	34.7	33.5	31.7	31.2	34.2	37.7	41.0	43.0	42.9	40.9	39.0	37.6	36.7	36.8
21		36.3	35.6	35.7	36.2	36.5	36.8	37.3	37.5	36.5	35.7	35.3	34.7	33.3	31.2	30.3	33.6	37.6	40.7	41.7	41.7	39.8	38.8	37.6	37.3	36.6
22		35.5	35.5	35.6	35.3	32.2	35.1	37.6	41.3	34.4	33.3	31.5	32.2	33.3	37.8	31.3	34.4	38.4	40.9	42.2	41.9	40.8	38.9	37.8	37.2	36.4
23		36.4	35.7	35.5	35.5	36.3	37.1	36.7	37.4	36.5	38.3	34.7	33.3	32.2	31.3	32.1	35.0	38.9	40.9	41.9	41.8	40.8	38.7	38.3	39.0	36.8
24	D	37.6	33.7	32.2	35.0	35.8	37.5	31.2	32.0	35.3	37.7	39.1	33.8	33.3	31.5	31.5	35.5	39.7	41.9	43.4	41.7	41.5	42.0	39.8	37.6	36.7
25		32.3	34.6	35.2	35.2	35.8	36.5	37.6	36.8	36.6	36.4	36.4	39.8	40.6	37.2	36.5	39.9	43.1	45.4	46.3	45.5	45.4	42.8	39.6	38.1	38.9
26		33.6	33.2	35.3	35.4	35.6	36.4	36.7	36.9	36.9	37.8	35.7	35.6	34.4	33.5	36.4	35.6	38.8	41.3	43.1	42.3	40.8	39.7	38.5	37.9	37.1
27		37.7	36.7	35.7	35.6	35.6	35.6	35.8	35.6	37.7	34.5	33.8	35.8	34.7	34.6	34.5	35.8	38.8	41.0	42.3	43.1	41.6	41.6	38.8	38.7	37.3
28		36.8	36.6	31.3	32.1	32.3	30.1	26.9	32.3	35.6	35.1	35.2	34.3	33.6	35.4	35.0	38.8	42.0	42.3	41.0	42.1	42.9	44.2	42.9	37.7	36.5
29		35.7	36.8	36.8	36.9	36.8	36.7	36.6	36.2	35.4	43.1	32.4	32.4	35.8	34.2	33.7	35.7	38.5	41.2	42.2	40.9	39.1	38.2	37.8	37.7	37.1
30		37.0	36.9	35.9	36.7	37.4	36.8	32.7	33.6	33.5	32.5	34.8	36.6	36.5	35.7	37.1	39.7	41.0	42.1	43.1	45.2	44.1	40.8	40.1	37.0	37.8
MEAN A		36.6	35.6	35.2	35.7	36.2	36.7	36.5	36.3	36.1	35.9	34.8	34.9	34.0	33.0	33.3	35.6	38.8	41.4	42.8	42.5	41.6	40.7	39.3	37.9	37.1
MEAN Q		36.9	36.2	36.3	36.3	36.4	36.8	36.7	36.8	36.5	35.9	35.3	35.0	33.8	32.1	31.9	34.4	37.7	40.3	41.3	41.0	39.9	38.9	38.0	37.4	36.7
MEAN D		37.4	34.7	33.2	34.8	36.5	38.2	36.6	35.2	35.2	36.1	34.9	34.0	33.2	31.4	32.8	35.8	38.4	42.1	44.6	44.3	43.7	42.3	39.3	37.4	37.2

VERTICAL INTENSITY

TABLE 33 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

NOVEMBER 1967

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		3	4	4	4	3	2	2	2	2	2	1	3	5	5	5	-0	-0	0	0	5	5	7	10	8	3
2		10	13	13	12	8	6	6	5	-10	-10	-6	-6	-5	-5	-5	-6	-5	1	10	18	36	24	25	34	7
3	D	33	25	22	13	8	6	5	6	-4	-12	-7	0	6	2	7	-0	-11	6	31	26	24	25	22	17	10
4		15	14	13	10	15	12	9	9	6	7	10	10	12	11	7	-1	-5	-0	2	5	6	8	8	9	8
5		13	13	13	11	10	8	-5	-11	-5	3	1	7	10	7	5	2	2	3	7	15	20	19	16	15	7
6		14	13	12	10	8	7	7	7	7	7	6	6	6	7	6	2	-0	1	6	7	7	7	8	6	7
7	Q	5	5	5	6	1	-2	-0	3	4	2	1	1	2	2	1	-5	-9	-5	-4	2	1	1	2	2	1
8	D	3	12	3	13	8	6	4	6	6	3	1	2	2	-1	-5	-7	-6	-6	-2	7	30	58	43	24	9
9		13	12	12	12	6	9	9	8	8	4	5	6	3	1	2	-9	-5	1	5	11	11	11	8	7	6
10		8	8	7	7	7	6	6	4	4	3	3	3	4	3	2	2	2	2	6	10	10	9	8	7	5
11		7	6	6	6	4	4	4	3	3	3	2	2	3	3	2	2	1	2	2	3	8	41	44	25	8
12	D	20	20	20	13	7	-20	-45	-10	-7	-2	2	3	3	2	2	-3	3	7	14	32	31	21	16	13	6
13	D	12	10	10	9	10	12	8	6	-2	1	0	3	9	6	2	-3	3	1	6	13	9	12	14	15	7
14		15	7	6	6	4	-4	-24	-9	0	4	3	4	5	1	-6	-6	-3	5	8	9	9	9	8	7	3
15		5	4	4	3	3	1	-3	-2	3	4	3	3	3	-0	-2	-3	-4	2	13	17	10	11	17	15	5
16		15	13	11	9	-6	1	5	5	6	6	5	5	5	6	4	-1	-1	-2	2	6	6	8	9	7	5
17	Q	5	5	5	5	5	4	4	4	4	4	2	3	3	4	0	-2	0	3	4	6	5	4	4	4	4
18	Q	5	5	5	4	4	3	2	1	1	0	-0	-0	1	-1	-8	-16	-15	-12	-6	-2	-0	3	3	2	-1
19	Q	1	0	0	1	-0	-2	-1	-0	-0	-1	0	-0	1	-0	-4	-12	-16	-9	-2	1	4	3	3	0	-1
20	Q	2	3	3	1	1	0	0	-0	-0	-1	-1	-1	-1	0	-4	-10	-7	-6	-5	-1	1	2	0	-1	-1
21		-0	-0	-1	-1	-1	-3	-3	-3	-3	-4	-4	-3	-2	-3	-5	-12	-12	-6	-3	1	-3	-3	5	8	-3
22		5	1	-1	0	1	-5	-8	-45	-40	-23	-19	-10	-4	-3	-3	-10	-10	-3	5	8	7	2	1	-0	-6
23		1	1	-1	-2	-4	-4	-3	-3	-3	-5	-6	-3	-2	-4	-5	-5	-3	2	7	8	8	4	2	5	-1
24	D	9	-1	4	9	3	-31	-43	-20	-7	-12	-23	-9	-4	-4	-3	-7	-4	3	10	16	17	17	17	20	-2
25		15	16	11	10	9	7	4	4	3	3	-1	-2	-6	-5	-4	-10	-7	-2	3	4	11	14	14	10	4
26		15	11	11	10	6	5	4	4	3	-0	-1	2	4	1	-0	-3	-2	0	4	10	10	10	9	6	5
27		6	8	6	4	-8	-6	-9	-6	-3	-1	-1	-1	-1	-2	-6	-11	-6	-1	6	16	18	18	17	17	2
28		19	18	16	15	4	1	-1	5	16	5	-8	-2	5	5	2	0	2	6	17	23	24	26	27	29	11
29		30	22	18	16	14	14	12	7	-5	-49	-21	-6	-2	3	5	6	7	13	18	19	14	11	9	8	7
30		7	7	7	8	6	3	-6	-21	-10	-2	0	2	2	0	-1	-1	-1	1	8	17	30	24	30	26	6
MEAN A		10	9	8	7	5	1	-2	-1	-1	-2	-2	1	2	1	-0	-4	-4	0	6	10	12	14	13	12	4
MEAN Q		4	4	4	3	2	1	1	2	2	1	1	1	1	1	-3	-9	-10	-6	-3	1	2	3	3	1	0
MEAN D		15	13	12	11	7	-5	-14	-2	-3	-4	-5	-0	3	1	1	-4	-3	2	12	19	22	27	22	18	6

AGINCOURT MAGNETIC OBSERVATORY 1967

## HORIZONTAL INTENSITY

TABLE 34 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

DECEMBER 1967

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	D	223	226	224	218	225	219	229	222	220	242	239	231	256	246	209	197	209	208	208	203	224	227	230	199	222
2		201	207	197	202	202	213	219	229	228	234	236	236	229	219	214	207	209	219	228	234	236	236	234	234	221
3		240	242	242	241	241	243	241	240	235	239	240	251	238	223	213	229	223	229	236	239	240	242	235	229	236
4		235	234	228	234	241	242	240	241	245	245	247	251	250	238	229	224	223	223	231	240	246	252	251	253	239
5		257	253	257	257	257	254	256	257	257	257	257	259	257	256	253	252	243	235	240	245	245	215	237	252	250
6		252	251	251	248	246	253	253	253	252	252	238	249	252	247	230	240	224	215	225	235	243	247	245	213	242
7		207	226	242	240	243	237	236	228	238	242	253	251	241	243	237	215	215	216	221	221	241	251	254	253	235
8	D	248	252	255	253	248	242	248	247	243	247	247	253	253	247	232	236	225	216	231	232	226	239	248	247	242
9		243	243	249	248	247	244	247	248	251	252	252	253	252	241	236	231	222	212	221	232	237	247	252	253	242
10		253	253	259	254	253	253	252	250	248	248	249	252	248	248	244	233	227	227	232	244	253	254	254	256	248
11	Q	265	254	249	254	254	253	253	252	253	252	254	254	251	246	236	224	220	226	237	243	248	254	259	259	248
12		258	259	254	253	255	254	252	248	248	253	253	253	253	249	239	231	217	222	232	244	249	256	264	264	248
13	Q	260	261	258	259	257	257	260	259	255	260	261	264	260	256	249	243	237	236	233	244	254	261	264	261	254
14	Q	259	259	259	257	259	260	260	259	259	259	262	264	260	253	244	227	222	227	237	244	253	260	265	265	253
15		268	259	266	267	260	256	253	254	254	259	264	264	266	263	255	254	247	247	251	263	275	277	274	275	261
16		271	269	270	269	267	266	269	266	270	270	272	275	271	270	264	249	237	228	232	239	247	248	243	242	258
17		239	238	244	247	244	248	242	238	241	259	260	271	266	264	252	237	220	218	227	238	241	246	250	244	245
18		237	232	244	248	252	260	255	238	258	259	262	263	256	250	227	225	216	212	207	222	223	238	244	243	240
19	D	234	231	232	232	211	229	243	242	239	244	232	243	254	242	217	200	196	194	200	201	227	222	243	217	226
20	D	222	223	212	195	215	216	229	228	222	244	243	228	245	249	211	211	205	179	209	217	227	238	245	247	223
21		244	244	252	242	243	247	248	251	252	231	238	263	259	246	237	216	199	207	221	231	238	258	259	253	241
22		249	243	241	247	248	248	249	251	252	257	252	249	253	250	238	226	226	231	231	240	237	245	241	246	244
23		232	243	248	243	251	252	246	242	241	246	250	247	244	236	221	208	204	214	215	228	238	243	248	247	237
24		249	255	256	254	253	253	253	254	253	252	248	247	244	232	221	216	215	215	221	231	238	247	252	253	242
25	Q	253	253	253	253	254	256	254	256	258	258	258	258	254	247	236	230	225	226	231	238	248	258	258	258	249
26		256	254	254	248	245	250	253	254	258	257	257	255	251	246	230	209	206	217	222	225	237	247	251	248	243
27		237	247	255	253	252	252	258	253	258	255	257	254	251	246	224	221	214	209	216	226	242	252	257	255	244
28	Q	255	253	255	257	257	259	262	262	263	263	262	262	260	252	240	236	236	236	235	230	237	246	246	246	250
29		236	245	254	254	252	257	258	258	259	262	259	257	257	251	236	225	223	231	235	241	251	258	264	264	249
30		266	265	262	258	257	257	257	263	268	268	270	273	273	262	252	253	246	246	236	245	241	246	246	236	256
31	D	234	224	220	211	206	182	183	183	215	242	295	245	200	165	149	129	135	177	208	220	223	232	236	225	206
MEAN A		245	245	246	245	245	245	247	246	248	252	254	254	252	245	231	224	218	219	226	233	241	247	250	246	242
MEAN Q		259	256	255	256	256	257	258	258	258	258	259	260	257	251	241	232	228	230	235	240	248	256	258	258	251
MEAN D		232	231	229	222	221	217	226	225	228	244	251	240	241	230	204	195	194	195	211	215	226	232	240	227	224



## DECLINATION

TABLE 35 AGINCOURT

D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES

DECEMBER 1967

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	D	37.0	35.3	34.7	33.9	33.6	38.2	39.1	40.1	42.4	37.6	38.7	48.7	35.3	36.2	39.4	43.7	45.5	42.7	44.2	50.8	45.0	40.5	37.9	39.4	40.0
2		35.8	28.0	34.1	34.4	34.0	37.1	36.3	39.5	40.4	38.1	36.2	36.0	37.3	39.4	34.6	35.1	37.3	39.5	40.3	39.5	38.6	38.4	38.1	37.5	36.9
3		36.2	36.1	36.1	36.3	37.0	37.3	37.3	37.4	38.2	34.3	34.2	34.4	36.0	38.1	39.6	40.4	42.7	44.6	44.3	41.4	39.5	38.6	38.7	37.1	38.2
4		36.3	35.1	33.4	34.4	37.5	38.1	37.4	36.3	37.0	35.4	35.7	34.2	32.7	32.1	32.1	35.3	38.2	39.6	40.6	40.5	39.8	39.5	38.3	36.5	36.5
5		36.3	35.7	35.5	35.2	36.4	36.4	36.7	36.7	36.4	36.0	35.6	35.4	35.4	34.7	34.4	36.4	37.6	39.6	41.5	41.8	42.5	44.6	40.4	37.2	37.4
6		35.4	35.5	35.6	34.6	37.5	35.4	36.4	36.7	35.6	36.5	38.4	40.6	33.6	33.1	35.6	41.3	39.6	40.5	41.4	40.8	40.5	41.8	42.0	39.3	37.8
7		31.3	35.5	34.6	32.4	33.5	35.5	35.3	37.2	39.4	37.0	35.7	35.7	38.4	37.9	33.5	36.5	36.7	38.3	39.7	39.5	39.7	39.3	38.7	39.2	36.7
8	D	38.4	32.2	35.3	36.4	35.2	39.2	39.8	35.2	36.1	35.6	36.6	36.3	36.5	35.1	34.4	34.4	36.1	36.6	40.6	43.6	34.2	41.4	37.6	36.0	36.8
9		37.7	36.5	34.4	36.4	35.6	36.1	37.4	36.5	36.5	36.4	36.5	36.5	35.6	34.4	33.2	34.2	37.1	40.7	40.6	41.9	41.2	39.4	37.9	37.6	37.1
10		36.9	34.9	35.2	36.6	36.4	36.6	37.4	36.5	37.8	39.7	35.5	36.3	36.6	34.9	33.7	34.6	36.5	38.8	40.6	40.7	40.2	39.7	38.6	37.8	37.2
11	Q	32.4	37.4	36.5	36.6	36.7	37.2	37.6	37.6	37.5	37.4	35.9	36.3	36.3	35.4	34.9	36.4	39.0	40.8	41.7	41.1	40.6	39.5	38.6	37.8	37.6
12		37.4	37.6	36.8	38.4	36.9	36.4	36.8	36.9	36.6	35.3	36.5	35.5	35.5	34.5	34.7	35.5	37.8	41.7	42.9	42.9	41.7	40.6	39.0	37.9	37.8
13	Q	36.6	36.4	35.7	36.3	36.4	36.6	35.5	35.2	35.9	35.9	35.5	35.5	35.2	33.8	34.5	35.5	36.7	38.7	40.7	40.8	39.6	38.6	37.8	37.4	36.7
14	Q	36.6	36.1	35.5	35.5	35.5	36.6	36.9	36.6	36.6	36.6	36.4	34.7	34.1	33.7	33.4	34.8	37.4	39.5	40.3	40.7	39.9	38.7	37.9	37.4	36.7
15		36.9	36.8	35.3	35.5	36.9	35.8	36.3	35.5	35.5	35.5	33.4	33.4	33.3	33.6	33.2	35.4	38.4	41.1	42.0	42.8	41.8	41.3	38.7	38.6	37.0
16		36.2	34.7	34.8	35.3	35.9	36.7	36.6	36.5	36.1	36.1	35.9	35.8	35.1	33.4	31.2	34.1	36.6	38.9	41.8	40.8	39.6	38.9	38.9	37.6	36.6
17		35.5	34.8	35.5	35.5	36.9	34.7	31.8	34.3	33.4	35.9	36.6	39.0	42.7	42.9	39.6	36.6	38.6	38.7	39.8	40.4	40.8	39.8	39.0	39.0	37.6
18		38.9	37.9	36.6	35.9	36.0	37.4	38.0	38.6	35.3	36.4	36.7	36.7	36.5	34.3	40.2	44.3	41.8	42.1	43.1	43.9	43.2	41.6	39.8	37.9	38.9
19	D	36.6	37.0	35.4	33.9	38.8	31.3	36.4	36.7	36.6	38.7	42.9	43.0	36.7	32.4	35.1	38.0	39.8	45.0	44.9	44.9	39.8	43.0	43.2	41.8	38.8
20	D	37.8	35.3	30.3	29.5	34.7	39.6	37.6	39.5	40.8	37.6	39.5	46.4	44.1	36.7	34.5	37.9	42.0	46.0	45.6	41.6	41.0	40.5	38.9	37.8	39.0
21		36.6	34.7	32.1	35.5	36.5	39.2	36.8	36.6	35.5	40.7	43.9	39.0	36.1	33.4	34.1	35.0	37.6	39.0	41.0	43.6	43.9	41.4	40.9	38.7	38.0
22		37.5	36.7	36.4	35.3	35.5	36.7	36.6	37.3	37.6	36.5	35.5	38.3	35.7	32.4	33.8	35.3	36.7	39.4	41.3	43.9	43.5	41.7	37.4	34.4	37.3
23		38.8	33.7	35.4	37.1	41.0	36.6	36.2	35.7	37.9	38.7	36.6	36.6	35.8	34.6	35.8	39.0	40.0	41.4	43.9	42.4	42.9	40.8	38.7	37.6	38.2
24		36.3	36.4	36.6	37.4	37.5	37.6	37.9	38.5	36.9	36.7	36.9	36.5	35.5	34.5	35.3	35.7	37.9	40.6	40.8	40.0	39.8	39.6	38.5	37.6	37.5
25	Q	36.6	36.5	36.7	37.5	37.6	37.6	38.7	36.9	36.6	36.5	36.6	36.0	35.5	33.3	33.8	35.3	37.4	39.8	40.8	39.9	38.9	38.5	37.9	37.6	37.2
26		37.6	35.4	37.8	37.6	37.8	37.5	36.6	36.7	36.7	35.7	35.9	35.9	37.5	35.9	35.4	38.6	41.0	46.8	43.9	41.6	40.9	39.5	37.8	37.3	38.2
27		34.6	36.3	36.6	36.8	30.7	36.7	37.4	37.1	38.7	37.5	36.6	37.0	39.1	37.9	37.6	40.8	37.4	40.7	42.1	41.8	40.7	38.9	38.6	38.0	37.9
28	Q	37.4	37.2	36.5	36.6	37.3	37.3	36.5	36.4	36.4	36.4	36.2	35.7	34.6	33.2	32.5	34.1	35.6	37.8	39.4	42.3	41.8	39.8	39.0	38.7	37.0
29		34.5	35.6	37.6	37.6	36.7	36.2	36.3	37.2	37.6	38.4	38.0	36.5	35.5	33.0	33.4	34.4	36.6	39.8	40.9	40.5	39.4	38.5	37.6	37.3	37.0
30		36.4	36.5	37.2	35.4	37.3	37.5	38.5	35.5	36.3	37.6	40.4	36.4	34.7	32.3	36.6	36.4	37.5	38.6	39.4	39.8	38.5	36.4	36.3	36.6	37.0
31	D	35.0	33.0	33.3	31.0	33.4	32.4	24.8	16.4	19.4	34.2	55.4	64.0	58.1	50.0	39.2	46.1	45.5	39.8	41.5	36.3	40.5	42.9	42.1	37.4	38.8
MEAN A		36.4	35.5	35.4	35.5	36.2	36.7	36.5	36.3	36.6	36.8	37.6	38.1	36.9	35.4	35.1	37.1	38.7	40.5	41.7	41.7	40.6	40.1	38.9	37.8	37.6
MEAN Q		35.9	36.7	36.2	36.5	36.7	37.1	37.1	36.6	36.6	36.6	36.1	35.6	35.2	33.9	33.8	35.2	37.2	39.3	40.6	40.9	40.1	39.0	38.2	37.8	37.0
MEAN D		37.0	34.6	33.8	32.9	35.1	36.2	35.5	33.6	35.1	36.7	42.6	47.7	42.1	38.1	36.5	40.0	41.8	42.0	43.4	43.5	40.1	41.7	39.9	38.5	38.7



## VERTICAL INTENSITY

TABLE 36		AGINCOURT																							Z = 56000 PLUS TABULAR VALUES IN GAMMAS		DECEMBER 1967	
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		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	D	22	17	14	9	2	-2	-2	-12	-37	-38	-46	-62	-23	-12	-7	-0	5	8	18	39	40	45	72	61	5		
2		57	11	15	18	12	5	8	5	0	4	5	6	5	4	-1	-1	5	8	12	14	11	12	13	12	10		
3		11	10	7	6	6	5	5	3	0	-1	0	-2	-1	5	4	1	-1	5	9	10	10	12	13	17	6		
4		17	17	12	13	8	10	6	5	1	1	4	4	4	-1	-3	-4	1	6	8	7	9	6	5	6	6		
5		5	3	3	1	-1	1	1	1	-0	-1	-1	-1	-1	-2	-4	-11	-16	-11	-5	1	3	12	12	9	-0		
6		6	6	5	1	-12	-6	2	1	-1	-2	-18	-17	-11	-10	-11	-7	-12	-10	1	7	8	11	17	35	-1		
7		48	46	36	25	13	11	2	-17	-22	-10	-4	-0	2	4	-1	-12	-12	-6	2	8	6	6	7	7	6		
8	D	12	17	9	11	6	-9	-27	-13	0	0	2	2	1	2	0	-4	-8	-3	2	6	19	14	19	13	3		
9		14	13	12	7	6	5	4	4	3	2	2	2	2	1	2	-3	-4	2	10	11	10	11	7	6	5		
10		6	6	2	6	6	3	3	2	1	-1	-3	-0	2	5	7	3	2	2	7	8	8	7	6	4	4		
11	Q	3	1	4	3	3	3	3	3	3	3	3	3	3	3	1	-3	-2	0	1	5	8	8	7	5	3		
12		3	4	4	5	5	4	3	3	3	2	-2	-2	1	-2	-7	-12	-11	-7	-2	5	3	5	5	3	1		
13	Q	1	1	1	1	-0	-2	-2	-4	-3	-3	-3	-3	-6	-7	-8	-10	-12	-9	-4	1	2	2	1	-2	-3		
14	Q	-1	-2	-1	-1	-1	-2	-2	-2	-2	-3	-3	-6	-3	-2	-3	-9	-7	-2	3	4	3	4	4	2	-1		
15		2	2	5	2	2	1	3	3	1	-1	-3	-4	-4	-5	-7	-13	-14	-9	-5	-2	1	2	-1	2	-2		
16		2	1	-2	-4	-5	-7	-7	-6	-6	-6	-5	-6	-4	-7	-12	-14	-17	-9	-2	2	4	4	3	4	-4		
17		5	5	4	0	-1	-14	-33	-47	-60	-70	-62	-52	-42	-33	-26	-18	-18	-11	-6	-2	-2	0	0	0	-20		
18		5	5	5	3	3	-0	-8	-29	-41	-13	-8	-7	-6	-3	-8	-13	-7	3	6	16	14	11	10	10	-2		
19	D	12	12	11	-3	-23	-8	3	6	-1	-8	-17	-16	-16	-13	-11	-12	-5	10	17	34	46	35	57	72	8		
20	D	36	28	30	29	23	-19	-23	-22	-46	-36	-21	-30	-24	-13	-7	5	4	12	18	21	17	15	12	11	1		
21		12	13	8	7	1	-6	0	4	-1	-15	-12	-15	-11	-3	-1	-4	6	13	8	8	12	12	7	7	2		
22		9	7	8	7	7	4	0	2	2	1	-10	-0	4	1	-5	-0	4	4	7	8	9	14	17	16	5		
23		22	11	7	8	-3	2	6	4	-0	-7	-6	-0	2	7	4	5	11	8	11	19	18	14	13	12	7		
24		12	9	8	7	7	7	7	3	3	2	2	2	5	2	2	1	0	8	14	14	9	11	9	8	6		
25	Q	8	8	6	6	5	3	2	1	2	2	2	2	3	5	7	8	6	5	8	13	12	9	6	6	6		
26		4	3	2	2	3	7	7	5	1	-3	1	2	3	-1	-3	2	3	5	5	11	12	12	10	9	4		
27		10	10	9	7	6	4	4	2	-7	-0	-2	-2	-0	0	-0	4	-2	-2	7	14	14	12	9	9	4		
28	Q	8	6	6	6	5	3	3	3	3	2	2	2	3	0	-7	-8	-7	-3	1	7	10	13	9	13	3		
29		14	14	10	8	4	3	2	3	3	3	2	3	4	4	-1	-2	-3	-2	2	4	8	7	4	3	4		
30		4	3	3	3	2	-2	-8	-3	-3	-3	-5	-3	-2	-2	-3	-11	-14	-12	-7	2	4	8	6	8	-2		
31	D	6	5	-1	-1	-24	-65	-77	-78	-94	-144	-134	-129	-99	-66	-37	-4	26	57	84	73	67	65	84	66	-17		
MEAN A		12	9	8	6	2	-2	-4	-6	-10	-11	-11	-11	-7	-4	-5	-5	-3	2	7	12	13	13	14	14	1		
MEAN Q		4	3	3	3	2	1	1	0	0	0	-0	-1	-0	-0	-2	-4	-4	-2	2	6	7	7	5	5	1		
MEAN D		18	16	12	9	-3	-21	-25	-24	-35	-45	-43	-47	-32	-21	-12	-3	4	17	28	34	38	35	49	45	-0		

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY-ALL DAYS

TABLE 37 AGINCOURT

H = 16000 PLUS TABULAR VALUES IN GAMMAS

1967

U. T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0-1	191	190	206	217	215	233	237	242	236	244	246	245	225	232	226	218
1-2	206	190	206	215	216	214	234	242	236	242	245	245	224	227	225	222
2-3	192	189	206	213	192	217	232	242	233	243	243	246	221	221	224	218
3-4	180	191	205	215	186	221	233	242	234	244	243	245	220	221	224	215
4-5	181	190	204	214	194	217	232	242	233	244	245	245	220	221	224	215
5-6	178	189	205	213	164	218	229	241	228	242	243	245	216	213	222	214
6-7	174	188	206	214	190	217	230	240	223	243	244	247	218	219	222	213
7-8	171	189	208	213	182	217	229	241	224	244	246	246	217	217	222	213
8-9	174	190	209	212	189	219	230	240	225	244	247	248	219	219	223	215
9-10	179	191	209	213	193	219	229	238	230	245	249	252	220	220	224	218
10-11	181	188	209	215	198	217	229	237	234	245	250	254	221	220	226	218
11-12	186	186	208	211	198	216	230	236	229	244	251	254	221	220	223	219
12-13	187	186	203	208	192	210	225	229	218	236	247	252	216	214	216	218
13-14	183	185	193	196	176	202	214	217	206	222	237	245	206	202	204	212
14-15	177	177	182	182	170	194	206	201	194	210	227	231	196	193	192	203
15-16	159	167	172	174	173	191	201	194	190	203	221	224	189	189	185	193
16-17	154	159	166	178	187	195	208	200	194	203	216	218	190	198	185	187
17-18	157	157	171	192	203	207	218	215	212	211	217	219	198	211	196	188
18-19	164	166	181	208	218	220	231	233	228	222	227	226	210	225	210	196
19-20	173	174	193	219	234	233	245	248	243	233	236	233	222	240	222	204
20-21	182	181	200	223	246	236	251	254	248	239	242	241	229	247	227	211
21-22	188	187	206	226	266	243	248	257	244	243	244	247	233	254	230	216
22-23	189	191	207	224	257	242	249	253	240	244	245	250	233	250	229	219
23-24	190	193	209	221	223	246	244	246	239	247	245	246	229	240	229	219
MEAN	179	183	199	209	203	218	230	235	226	235	240	242	216	221	217	211

AGINCOURT MAGNETIC OBSERVATORY 1967

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION-ALL DAYS

TABLE 38 AGINCOURT D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES 1967

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0-1	34.1	36.2	35.8	35.4	36.2	35.4	35.2	35.6	35.5	37.3	36.6	36.4	35.8	35.6	36.0	35.8
1-2	33.5	35.0	35.3	35.1	35.2	35.4	34.7	35.2	35.5	35.9	35.6	35.5	35.2	35.1	35.4	34.9
2-3	33.6	33.9	34.3	33.7	35.7	35.1	34.8	34.9	35.2	35.9	35.2	35.4	34.8	35.2	34.8	34.5
3-4	33.6	33.7	34.0	34.4	33.3	35.2	34.7	35.1	35.8	36.3	35.7	35.5	34.8	34.6	35.1	34.6
4-5	33.9	33.9	33.6	33.9	34.7	36.1	34.8	35.0	35.7	36.8	36.2	36.2	35.1	35.2	35.0	35.1
5-6	34.1	33.8	34.0	34.1	37.7	35.7	34.3	34.7	36.2	36.4	36.7	36.7	35.4	35.6	35.2	35.3
6-7	34.4	34.1	33.9	33.8	34.8	35.8	34.7	35.4	36.2	36.2	36.5	36.5	35.2	35.2	35.0	35.4
7-8	34.2	34.6	34.0	33.4	35.7	35.5	35.2	35.6	35.1	36.0	36.3	36.3	35.1	35.5	34.6	35.3
8-9	33.4	34.9	33.8	33.7	34.4	34.8	35.2	34.8	34.1	35.4	36.1	36.6	34.8	34.8	34.2	35.2
9-10	33.9	34.0	33.6	33.0	33.4	33.5	33.4	33.6	34.0	35.2	35.9	36.8	34.2	33.5	33.9	35.2
10-11	34.0	34.3	33.1	31.5	31.0	31.4	30.8	31.4	33.2	34.8	34.8	37.6	33.2	31.2	33.2	35.2
11-12	34.1	34.7	32.3	30.2	29.4	29.1	28.4	28.5	31.7	34.0	34.9	38.1	32.1	28.8	32.0	35.5
12-13	33.6	34.2	30.8	28.8	28.9	27.6	26.9	26.5	30.4	32.0	34.0	36.9	30.9	27.5	30.5	34.7
13-14	32.1	32.0	29.2	28.1	30.3	28.2	27.5	26.5	31.8	31.3	33.0	35.4	30.5	28.1	30.1	33.1
14-15	31.6	30.5	29.4	30.3	33.0	30.6	29.8	29.4	34.6	32.1	33.3	35.1	31.7	30.7	31.6	32.6
15-16	33.4	31.3	31.9	34.2	37.3	34.6	33.3	34.8	38.6	35.3	35.6	37.1	34.8	35.0	35.0	34.4
16-17	36.3	34.2	35.8	38.8	40.7	39.0	37.7	40.4	42.4	39.0	38.8	38.7	38.5	39.4	39.0	37.0
17-18	38.3	37.5	39.3	42.1	41.8	41.7	41.3	44.0	44.0	41.6	41.4	40.5	41.1	42.2	41.8	39.4
18-19	39.2	39.5	41.2	43.0	42.7	42.4	42.9	45.3	43.9	42.6	42.8	41.7	42.3	43.3	42.7	40.8
19-20	39.2	40.4	41.4	42.3	42.7	42.4	42.7	44.3	42.2	42.4	42.5	41.7	42.0	43.0	42.1	40.9
20-21	38.3	40.0	40.4	40.4	40.6	41.4	41.1	41.9	40.1	41.1	41.6	40.6	40.6	41.2	40.5	40.1
21-22	37.0	39.1	39.1	38.4	40.7	39.7	39.5	39.5	38.2	39.6	40.7	40.1	39.3	39.8	38.8	39.2
22-23	35.8	38.1	37.5	36.9	39.5	38.1	37.4	37.1	37.1	38.7	39.3	38.9	37.9	38.0	37.6	38.0
23-24	34.8	37.1	36.6	36.1	37.6	36.7	35.7	35.8	36.4	38.1	37.9	37.8	36.7	36.5	36.8	36.9
MEAN	34.9	35.3	35.0	35.1	36.1	35.6	35.1	35.6	36.6	36.8	37.1	37.6	35.9	35.6	35.9	36.2

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY-ALL DAYS

TABLE 39		AGINCOURT											Z = 56000 PLUS TABULAR VALUES IN GAMMAS				1967	
U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER		
0-1	33	25	16	18	36	33	24	13	19	13	10	12	21	27	17	20		
1-2	30	25	16	17	28	23	22	11	13	13	9	9	18	21	15	18		
2-3	33	27	14	14	16	26	17	8	5	12	8	8	16	17	11	19		
3-4	21	23	12	9	10	26	14	6	3	9	7	6	12	14	8	14		
4-5	26	22	11	7	7	19	7	4	3	5	5	2	10	9	7	14		
5-6	22	19	10	8	-13	15	4	1	-5	4	1	-2	5	2	5	10		
6-7	16	17	9	8	-4	10	7	-0	-14	3	-2	-4	4	3	2	7		
7-8	15	15	9	9	-3	13	10	-3	-14	2	-1	-6	4	4	2	6		
8-9	9	14	8	5	-3	18	9	-2	-7	1	-1	-10	3	6	2	3		
9-10	7	8	8	4	-2	23	13	3	-6	1	-2	-11	4	9	1	0		
10-11	11	7	9	7	3	21	16	6	-4	0	-2	-11	5	12	3	1		
11-12	16	7	11	8	6	20	17	8	-3	2	1	-11	7	13	4	3		
12-13	18	10	11	8	10	19	15	4	0	3	2	-7	8	12	6	6		
13-14	18	12	9	7	10	19	12	2	0	3	1	-4	7	11	5	7		
14-15	14	14	7	4	9	18	10	-1	1	2	-0	-5	6	9	3	6		
15-16	12	11	3	0	8	16	7	-2	2	-2	-4	-5	4	7	1	3		
16-17	17	12	2	1	13	16	7	-2	6	-2	-4	-3	5	8	2	5		
17-18	22	15	5	6	15	17	8	-1	11	0	0	2	8	10	5	10		
18-19	26	20	9	12	23	21	10	2	15	5	6	7	13	14	10	15		
19-20	28	23	11	17	32	27	16	8	22	9	10	12	18	21	15	18		
20-21	27	25	13	19	42	32	22	13	24	12	12	13	21	27	17	19		
21-22	26	26	16	20	33	39	26	18	25	13	14	13	22	29	19	20		
22-23	27	30	18	20	37	45	29	20	23	12	13	14	24	32	18	21		
23-24	30	31	17	18	41	48	27	17	22	12	12	14	24	33	17	22		
MEAN	21	18	11	10	15	23	15	6	6	6	4	1	11	15	8	11		

AGINCOURT MAGNETIC OBSERVATORY 1967

## MEAN VALUES OF MAGNETIC ELEMENTS

## HORIZONTAL INTENSITY—QUIET DAYS

TABLE 40	AGINCOURT												H = 16000 PLUS TABULAR VALUES IN GAMMAS				1967			
U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER				
0-1	191	196	210	225	221	227	233	240	241	254	254	259	229	230	232	225				
1-2	190	196	210	223	219	226	233	242	240	254	253	256	229	230	232	223				
2-3	190	196	211	223	217	228	235	243	242	255	252	255	229	231	233	223				
3-4	190	197	211	222	218	227	236	240	243	255	252	256	229	230	233	224				
4-5	189	196	209	221	218	225	235	240	243	255	252	256	228	230	232	223				
5-6	189	194	209	221	222	224	233	241	243	253	252	257	228	230	231	223				
6-7	189	194	209	221	221	224	232	242	243	253	254	258	228	230	232	224				
7-8	190	195	209	223	221	223	233	241	243	254	255	258	229	230	232	225				
8-9	191	196	210	223	221	224	232	239	243	254	256	258	229	229	232	225				
9-10	192	195	211	221	220	225	231	239	243	255	257	258	229	229	232	226				
10-11	192	197	211	222	220	225	234	239	242	256	257	259	229	229	233	226				
11-12	193	200	211	222	216	224	235	237	238	255	255	260	229	228	232	227				
12-13	192	200	206	218	207	218	228	229	229	246	252	257	224	221	225	225				
13-14	189	195	197	207	196	206	216	215	215	230	243	251	213	208	212	219				
14-15	181	188	186	192	185	198	205	198	201	215	232	241	202	196	198	211				
15-16	169	179	176	187	184	195	202	195	194	204	225	232	195	194	190	201				
16-17	161	170	168	191	196	199	211	205	200	201	225	228	196	203	190	196				
17-18	161	166	172	202	210	214	223	222	215	206	231	230	204	217	199	197				
18-19	167	170	184	214	223	225	231	244	230	217	241	235	215	231	211	203				
19-20	177	179	197	225	233	234	238	254	246	232	250	240	225	240	225	211				
20-21	187	187	205	231	236	241	246	260	249	241	254	248	232	246	231	219				
21-22	197	193	210	232	232	240	248	257	247	250	255	256	235	245	235	225				
22-23	198	197	212	230	232	239	247	253	247	256	258	258	236	243	236	228				
23-24	199	198	213	229	228	235	245	245	248	257	259	258	234	238	237	228				
MEAN	186	191	202	218	216	223	231	236	234	242	249	251	223	227	224	219				



MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION-QUIET DAYS

TABLE 41 AGINCOURT D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES 1967

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0-1	34.7	35.6	35.8	35.5	34.0	36.1	35.2	35.5	37.5	37.1	36.9	35.9	35.8	35.2	36.5	35.8
1-2	34.2	35.1	35.1	35.3	33.8	36.2	35.5	36.2	36.8	36.6	36.2	36.7	35.7	35.4	35.9	35.6
2-3	33.8	34.6	34.7	35.1	35.0	36.5	35.7	36.4	36.8	36.3	36.3	36.2	35.6	35.9	35.7	35.2
3-4	34.0	34.6	34.6	34.9	35.6	35.9	36.0	35.9	37.3	36.4	36.3	36.5	35.7	35.9	35.8	35.3
4-5	34.3	34.8	34.4	34.6	35.5	36.5	35.7	36.3	36.4	36.2	36.4	36.7	35.7	36.0	35.4	35.6
5-6	34.4	34.7	34.3	34.4	34.7	35.8	35.3	36.1	35.9	36.6	36.8	37.1	35.5	35.5	35.3	35.7
6-7	34.8	34.7	34.2	34.5	34.4	36.2	35.5	36.0	35.5	36.3	36.7	37.1	35.5	35.5	35.1	35.8
7-8	34.8	34.8	34.2	34.0	34.8	36.2	35.3	35.3	35.3	35.1	36.8	36.6	35.3	35.4	34.7	35.7
8-9	34.7	34.4	33.9	33.7	34.2	34.9	34.8	34.6	35.0	36.1	36.5	36.6	35.0	34.7	34.7	35.6
9-10	34.5	34.5	33.3	33.1	33.6	33.7	33.7	33.8	33.8	35.3	35.9	36.6	34.3	33.7	33.9	35.4
10-11	34.1	33.7	32.8	32.0	31.0	31.8	31.4	32.3	32.5	35.2	35.3	36.1	33.2	31.6	33.1	34.8
11-12	33.7	33.0	32.0	30.2	29.2	29.7	28.9	29.9	30.5	34.2	35.0	35.6	31.8	29.4	31.7	34.3
12-13	33.0	32.3	30.1	28.7	28.8	28.7	27.5	27.5	28.8	31.8	33.8	35.2	30.5	28.1	29.9	33.5
13-14	31.2	30.8	28.9	28.4	29.7	29.4	27.5	28.4	29.6	30.5	32.1	33.9	30.0	28.7	29.3	32.0
14-15	29.5	30.3	28.3	29.1	32.7	31.3	29.4	31.3	32.5	30.9	31.9	33.8	30.9	31.2	30.2	31.4
15-16	30.6	30.7	30.5	32.2	37.7	35.2	33.0	36.8	36.8	33.6	34.4	35.2	33.9	35.7	33.3	32.7
16-17	33.2	33.0	34.3	36.7	41.8	39.0	37.0	41.6	40.5	37.8	37.7	37.2	37.5	39.9	37.3	35.3
17-18	36.1	36.3	38.1	40.0	43.1	41.6	40.9	45.3	42.7	41.2	40.3	39.3	40.4	42.7	40.5	38.0
18-19	38.0	38.7	40.2	41.6	43.3	42.3	42.4	45.9	42.5	42.6	41.3	40.6	41.6	43.5	41.7	39.6
19-20	38.4	40.0	40.3	41.8	42.5	41.8	43.0	44.3	41.5	42.7	41.0	40.9	41.5	42.9	41.5	40.1
20-21	37.9	40.1	39.3	40.6	40.3	40.9	41.9	41.4	38.8	41.3	39.9	40.1	40.2	41.1	40.0	39.5
21-22	37.0	38.9	38.1	39.0	37.5	39.3	40.2	38.5	36.7	39.7	38.9	39.0	38.6	38.9	38.4	38.5
22-23	35.7	37.7	37.1	37.4	35.6	37.3	37.9	36.4	36.4	38.7	38.0	38.2	37.2	36.8	37.4	37.4
23-24	35.0	36.8	36.2	36.0	34.8	36.5	35.8	35.9	37.0	37.8	37.4	37.8	36.4	35.8	36.7	36.8
MEAN	34.5	35.0	34.6	34.9	35.6	35.9	35.4	36.3	36.1	36.7	36.7	37.0	35.7	35.8	35.6	35.8

AGINCOURT MAGNETIC OBSERVATORY 1967

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY-QUIET DAYS

TABLE 42 AGINCOURT

Z = 56000 PLUS TABULAR VALUES IN GAMMAS

1967

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0-1	20	18	12	13	22	29	17	10	12	7	4	4	14	19	11	11
1-2	20	18	11	13	21	25	17	9	12	7	4	3	13	18	11	11
2-3	19	18	10	12	19	24	15	9	11	6	4	3	13	17	10	11
3-4	19	17	10	11	18	22	15	8	10	5	3	3	12	16	9	10
4-5	18	16	9	10	17	21	15	9	11	4	2	2	11	15	9	10
5-6	18	16	10	9	9	20	14	8	9	4	1	1	10	13	8	9
6-7	17	17	10	10	9	17	14	7	9	3	1	1	10	12	8	9
7-8	16	16	9	10	10	17	15	9	7	3	2	0	9	13	7	8
8-9	17	15	9	9	11	19	16	9	7	1	2	0	10	14	7	9
9-10	17	14	9	10	15	23	18	10	7	1	1	0	10	16	7	8
10-11	17	13	9	10	16	24	19	11	8	2	1	-0	11	18	7	8
11-12	18	13	11	11	16	24	19	10	9	5	1	-1	11	17	9	8
12-13	19	15	11	9	14	22	18	7	7	6	1	-0	11	15	8	9
13-14	18	14	9	7	11	19	16	5	6	5	1	-0	9	13	7	8
14-15	15	11	8	4	4	16	11	3	5	1	-3	-2	6	8	4	5
15-16	11	8	4	-0	-0	9	8	2	5	-7	-9	-4	2	5	1	1
16-17	11	9	2	-3	3	5	9	3	5	-7	-10	-4	2	5	-0	1
17-18	14	12	4	-1	8	7	10	3	6	-3	-6	-2	5	7	2	5
18-19	18	14	8	4	10	9	10	7	11	1	-3	2	8	9	6	8
19-20	21	17	10	8	15	16	16	11	13	5	1	6	12	14	9	11
20-21	21	18	10	11	18	20	17	12	14	7	2	7	13	17	11	12
21-22	21	20	11	12	19	24	19	14	10	8	3	7	14	19	10	13
22-23	19	20	11	13	21	26	22	14	7	7	3	5	14	21	9	12
23-24	18	18	10	12	20	25	21	10	7	6	1	5	13	19	9	11
MEAN	18	15	9	8	14	19	16	8	9	3	0	1	10	14	7	9

MEAN VALUES OF MAGNETIC ELEMENTS

HORIZONTAL INTENSITY-DISTURBED DAYS

TABLE 43		AGINCOURT											H = 16000 PLUS TABULAR VALUES IN GAMMAS				1967	
U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER		
0-1	219	184	205	207	191	258	239	246	221	234	244	232	223	234	217	220		
1-2	320	188	203	207	201	170	233	245	214	232	242	231	224	212	214	245		
2-3	233	184	204	198	99	194	228	245	192	239	233	229	206	192	208	220		
3-4	159	188	200	202	60	214	229	241	200	238	234	222	199	186	210	201		
4-5	168	183	197	206	111	193	229	239	195	240	239	221	202	193	209	202		
5-6	154	184	196	210	-58	204	220	239	171	238	234	217	184	152	204	197		
6-7	125	179	202	213	72	212	221	238	153	235	231	226	192	186	201	190		
7-8	104	176	206	209	22	215	220	237	151	238	239	225	187	174	201	186		
8-9	117	176	208	201	68	216	228	235	152	235	240	228	192	187	199	190		
9-10	137	175	208	202	96	217	220	234	179	236	243	244	199	192	206	200		
10-11	141	156	209	212	117	214	220	232	210	240	244	251	204	196	218	198		
11-12	168	131	205	196	130	214	223	231	210	237	247	240	203	200	212	197		
12-13	176	134	195	201	132	211	216	232	198	231	243	241	201	198	206	199		
13-14	174	151	184	194	90	207	206	219	188	218	232	230	191	180	196	197		
14-15	166	157	178	177	119	201	207	198	172	204	223	204	184	181	183	187		
15-16	129	155	169	164	153	195	196	188	168	202	216	195	177	183	176	173		
16-17	131	142	166	164	169	197	205	199	174	197	210	194	179	192	175	169		
17-18	145	140	172	182	188	205	216	214	203	209	206	195	190	206	191	172		
18-19	153	163	186	205	210	223	230	235	216	219	214	211	206	225	207	185		
19-20	160	169	197	214	247	244	254	250	240	232	222	215	220	249	221	191		
20-21	172	166	197	222	297	243	253	258	253	239	230	226	229	263	227	198		
21-22	177	172	209	228	429	277	250	264	231	235	232	232	245	305	226	203		
22-23	176	179	199	222	378	271	246	259	224	232	235	240	238	289	219	208		
23-24	183	179	200	211	211	310	229	242	218	234	237	227	223	248	216	207		
MEAN	166	167	196	202	156	221	226	234	197	229	232	224	204	209	206	197		

AGINCOURT MAGNETIC OBSERVATORY 1967

MEAN VALUES OF MAGNETIC ELEMENTS

DECLINATION-DISTURBED DAYS

TABLE 44 AGINCOURT D = 7.0 DEGREES WEST PLUS TABULAR VALUES IN MINUTES 1967

U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER
0-1	32.7	36.7	36.1	35.6	42.4	31.5	34.6	36.4	31.1	37.1	37.4	37.0	35.7	36.2	35.0	35.9
1-2	31.8	35.5	35.9	35.6	37.7	35.9	32.2	35.4	32.0	33.3	34.7	34.6	34.6	35.3	34.2	34.2
2-3	32.5	32.8	34.6	31.4	43.5	31.7	31.5	33.8	32.2	33.4	33.2	33.8	33.7	35.1	32.9	33.1
3-4	31.6	31.9	33.2	34.4	32.9	33.1	32.8	34.8	35.7	36.5	34.8	32.9	33.7	33.4	35.0	32.8
4-5	33.3	32.4	31.3	31.9	34.9	36.5	33.7	34.0	34.3	36.9	36.5	35.1	34.2	34.8	33.6	34.4
5-6	31.9	31.6	32.5	33.7	48.9	37.6	32.2	33.1	37.5	35.2	38.2	36.2	35.7	38.0	34.7	34.5
6-7	33.7	33.1	33.1	34.3	38.1	34.4	31.7	33.9	35.5	36.0	36.6	35.5	34.7	34.5	34.7	34.7
7-8	33.0	33.4	33.5	33.5	42.8	34.2	34.3	34.8	33.8	34.7	35.2	33.6	34.7	36.6	33.9	33.8
8-9	28.0	35.9	32.5	35.9	36.2	33.6	37.6	33.3	34.3	33.5	35.2	35.1	34.3	35.2	34.0	33.5
9-10	34.7	32.7	32.6	33.4	34.2	32.9	32.9	31.8	37.7	36.9	36.1	36.7	34.4	32.9	35.2	35.1
10-11	35.1	36.4	32.7	28.9	34.2	30.9	31.3	29.1	36.7	35.4	34.9	42.6	34.0	31.4	33.4	37.2
11-12	37.3	40.3	31.6	28.9	33.5	28.2	27.8	26.8	37.2	36.4	34.0	47.7	34.1	29.1	33.5	39.8
12-13	38.5	43.9	32.5	28.5	34.9	26.6	27.2	26.9	36.4	35.3	33.2	42.1	33.8	28.9	33.2	39.4
13-14	37.2	37.7	31.6	28.3	36.0	27.3	28.8	25.1	37.1	34.6	31.4	38.1	32.8	29.3	32.9	36.1
14-15	36.8	32.2	33.5	32.4	38.8	30.1	32.1	26.6	39.0	33.4	32.8	36.5	33.7	31.9	34.6	34.6
15-16	37.9	31.9	35.6	35.3	39.9	33.5	35.9	34.0	42.2	36.7	35.8	40.0	36.6	35.8	37.4	36.4
16-17	42.5	33.6	38.8	41.6	40.9	37.8	39.4	40.4	44.9	40.1	38.4	41.8	40.0	39.6	41.4	39.1
17-18	41.3	39.3	40.8	44.4	40.1	40.5	42.6	43.2	43.3	41.6	42.1	42.0	41.8	41.6	42.5	41.2
18-19	41.3	41.1	42.1	43.8	40.7	41.0	43.3	45.5	43.6	42.3	44.6	43.4	42.7	42.6	42.9	42.6
19-20	40.7	41.9	42.4	42.6	41.3	42.6	42.1	45.2	41.4	42.1	44.3	43.5	42.5	42.8	42.1	42.6
20-21	39.0	42.0	41.9	40.7	38.4	43.2	40.6	43.1	39.7	40.8	43.7	40.1	41.1	41.3	40.8	41.2
21-22	37.9	40.9	40.6	37.9	51.0	41.5	39.2	40.8	39.2	39.2	42.3	41.7	41.0	43.1	39.2	40.7
22-23	36.7	40.4	38.5	36.6	53.8	40.8	37.0	38.1	36.3	38.6	39.3	39.9	39.7	42.4	37.5	39.1
23-24	34.1	38.6	37.6	35.8	47.0	39.2	35.5	35.9	33.3	37.5	37.4	38.5	37.5	39.4	36.0	37.1
MEAN	35.8	36.5	35.6	35.2	40.1	35.2	34.8	35.1	37.3	37.0	37.2	38.7	36.5	36.3	36.3	37.0

MEAN VALUES OF MAGNETIC ELEMENTS

VERTICAL INTENSITY-DISTURBED DAYS

TABLE 45	AGINCOURT												Z = 56000 PLUS TABULAR VALUES IN GAMMAS				1967
U.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	SUMMER	EQUINOX	WINTER	
0-1	76	33	19	32	50	17	29	17	38	26	15	18	31	28	29	36	
1-2	60	34	21	31	22	-1	25	14	18	27	13	16	23	15	24	31	
2-3	81	44	22	24	17	22	21	9	-20	22	12	12	22	17	12	37	
3-4	12	30	14	13	-30	41	16	3	-24	13	11	9	9	8	4	16	
4-5	49	31	13	4	-19	9	1	-1	-18	2	7	-3	6	-3	0	21	
5-6	33	29	11	14	-71	-6	-21	-2	-50	2	-5	-21	-7	-25	-6	9	
6-7	0	23	6	13	-53	2	-16	-1	-83	-2	-14	-25	-13	-17	-17	-4	
7-8	-9	14	6	13	-84	19	-7	-4	-90	-3	-2	-24	-14	-19	-19	-5	
8-9	-35	6	3	-8	-94	27	-18	-2	-69	-3	-3	-35	-19	-22	-19	-17	
9-10	-47	-30	4	-18	-90	29	-7	4	-58	-6	-4	-45	-22	-16	-20	-32	
10-11	-29	-30	9	-8	-67	25	2	7	-47	-16	-5	-43	-17	-8	-16	-27	
11-12	-3	-37	12	-0	-50	24	8	8	-43	-18	-0	-47	-12	-3	-12	-22	
12-13	2	-25	9	5	-19	25	7	-2	-20	-19	3	-32	-5	3	-6	-13	
13-14	7	-12	5	4	-2	25	5	-2	-8	-11	1	-21	-1	6	-2	-6	
14-15	2	15	4	4	10	24	6	-5	0	-6	1	-12	4	9	1	1	
15-16	8	17	0	3	12	19	10	-6	9	-2	-4	-3	5	9	3	4	
16-17	25	19	1	6	36	19	9	-8	24	-1	-3	4	11	14	8	12	
17-18	30	24	9	13	45	19	11	-9	30	4	2	17	16	17	14	18	
18-19	36	31	19	23	66	24	14	-2	32	11	12	28	24	25	21	27	
19-20	37	35	20	30	84	32	23	7	47	17	19	34	32	36	29	31	
20-21	36	42	20	34	114	47	30	19	53	22	22	38	40	53	32	34	
21-22	36	46	31	39	38	72	40	29	59	24	27	35	40	45	38	36	
22-23	48	58	32	36	42	95	48	35	62	22	22	49	46	55	38	44	
23-24	70	65	27	29	73	113	41	31	57	26	18	45	50	65	35	49	
MEAN	22	19	13	14	1	30	12	6	-4	6	6	-0	10	12	7	12	

AGINCOURT MAGNETIC OBSERVATORY 1967



## PUBLICATIONS OF THE DOMINION OBSERVATORY

## THREE-HOUR RANGE INDICES, AGINCOURT, 1967

Table 46

January							February			
	D	H	Z	K	D	H	Z	K		
1	0222 3423	1212 3532	0111 1211	1222 3533	1122 1000	1121 0001	0010 0000	1122 1001		
2	2411 1010	1311 1121	0200 0000	2411 1121	0010 1000	0001 0011	0000 0000	0011 1011		
3	2013 3210	1212 3221	0000 1010	2213 3221	0002 1000	0002 0011	0001 0000	0002 1011		
4	0000 1000	0000 0011	0000 0000	0000 1011	0112 3322	0211 3333	0200 0012	0212 3333		
5	0001 1000	0000 0010	0000 0000	0001 1010	4221 3410	3221 2311	3200 1020	4221 3421		
6	1133 0100	0021 1122	0000 0000	1133 1122	0231 2001	1221 1113	0010 0002	1231 2113		
7	0024 4544	1023 4443	0023 2332	1024 4544	0001 2545	1111 1645	0000 0346	1111 2646		
8	6686 3322	7686 4421	7566 4422	7686 4422	5555 4333	4444 4344	5553 5232	5555 5344		
9	1421 3201	2312 3211	0421 2110	2422 3211	3231 1010	3130 0020	1220 0000	3231 1020		
10	1100 1110	1000 1221	0000 0000	1100 1221	0201 1000	0100 0000	0000 0000	0201 1000		
11	2232 3322	3231 3222	0022 2111	3232 3322	0542 2000	0232 1122	0321 0000	0542 2122		
12	0010 0000	0000 0010	0000 0000	0010 0010	0000 1100	0000 0111	0000 0000	0000 1111		
13	1342 5225	0222 6236	0022 3227	1342 6237	0000 0201	0000 0221	0000 0100	0000 0221		
14	7864 2111	9856 2112	8766 0100	9866 2112	3111 2010	2111 0011	0000 0001	3111 2011		
15	1002 3112	2001 2123	0000 0010	2002 3123	2100 0003	1010 0004	0000 0003	2110 0004		
16	1232 2000	1331 2001	0322 0000	1332 2001	3148 7331	3349 7343	1238 7331	3349 7343		
17	1111 0100	1111 0001	0000 0000	1111 0101	4522 3200	2412 2223	1401 0112	4522 3223		
18	1200 2100	1100 1201	0000 0000	1200 2201	0320 2000	0110 1100	0100 0000	0320 2100		
19	1011 0120	0211 0021	0000 0000	1211 0121	0021 2200	0001 1111	0000 0000	0021 2211		
20	0333 2322	0222 2222	0022 1121	0333 2322	0101 0100	0101 0012	0000 0000	0101 0112		
21	1223 2200	1212 2201	0212 1110	1223 2201	0002 2211	0011 1121	0000 0000	0012 2221		
22	2011 1100	2000 0010	0000 0000	2011 1110	1011 3121	1011 2121	0000 0000	1011 3121		
23	1122 0000	2120 0100	0020 0000	2122 0100	2013 3210	2024 3220	0002 1100	2024 3220		
24	1100 0000	0000 0001	0000 0000	1100 0001	0020 1000	0010 0121	0000 0000	0020 1121		
25	1001 2000	1110 1011	0000 0000	1111 2011	0422 2121	1322 1232	0320 0221	1422 2232		
26	0022 1000	1001 1000	0010 0000	1022 1000	4311 2200	3201 1221	2200 0101	4311 2221		
27	0001 1000	0001 1111	0000 0000	0001 1111	0022 1210	0101 0310	0010 0100	0122 1310		
28	1343 2101	2332 1122	0233 0010	2343 2122	0201 0100	0110 0011	0000 0000	0211 0111		
29	1230 1100	2110 0010	0110 0000	2230 1110						
30	0120 0000	0000 0010	0000 0000	0120 0010						
31	0000 0000	0100 0111	0000 0000	0100 0111						
March							April			
	D	H	Z	K	D	H	Z	K		
1	3300 3200	1200 2101	0000 0000	3300 3201	0023 3212	0033 3144	0012 1122	0033 3244		
2	0100 2100	0100 1000	0000 0000	0100 2100	0214 4311	1113 3332	0111 2210	1214 4332		
3	0203 3200	0211 2121	0101 1000	0213 3221	4100 0000	3100 0102	2000 0000	4100 0102		
4	0120 2101	1110 1102	0010 0000	1120 2102	0322 4210	1321 4222	0320 2000	1322 4222		
5	2321 3301	2210 1222	0010 0011	2321 3322	1333 2200	2222 2221	0321 0000	1333 2221		
6	4320 1110	3210 1121	2110 0010	4320 1121	2342 2200	2222 2221	0322 0000	2342 2221		
7	0001 3000	0001 2010	0000 0000	0001 3010	3332 2200	2220 1132	2220 0111	3332 2232		
8	0000 0010	0000 0021	0000 0000	0000 0021	1211 0000	2211 1121	0100 0000	2211 1121		
9	0012 3313	1012 1233	0000 0111	1012 3333	3002 1001	2001 1011	0000 0000	3002 1011		
10	4220 2200	3210 1110	2010 0000	4220 2210	2200 1000	1211 1022	0000 0010	2211 1022		
11	0000 0000	0000 0001	0000 0000	0000 0001	0002 1100	0000 1112	0000 0000	0002 1112		
12	0001 1000	0001 0000	0000 0000	0001 1000	2400 0000	2100 0000	0200 0000	2400 0000		
13	0022 1100	1021 0011	0011 0000	1022 1111	0100 0000	0100 0001	0000 0000	0100 0001		
14	1201 1100	2111 0001	0000 0000	2211 1101	0000 1100	0020 0001	0000 0000	0020 1101		
15	0000 0000	0000 0000	0000 0000	0000 0000	0020 2000	1010 0122	0000 0011	1020 2122		
16	0000 0100	0000 0112	0000 0000	0000 0112	0321 2211	1221 2232	0110 0111	1321 2232		
17	0000 2110	2110 0122	0000 0000	2110 2122	5313 2000	4302 2022	4402 1000	5413 2022		
18	0423 3211	0222 2222	0110 2001	0423 3222	1211 1102	1211 1223	1000 0103	1211 1223		
19	4522 3323	3431 2335	3230 0334	4532 3335	5454 3211	4333 3233	4444 2111	5454 3233		
20	2322 3103	2221 2223	1232 1012	2322 3223	3222 2111	3221 1133	1211 0012	3222 2133		
21	5102 2102	2101 1122	2000 0000	5102 2122	2232 2101	2221 2222	1221 0010	2232 2101		
22	1420 0000	1210 0011	0210 0000	1420 0011	3344 2311	2354 2223	1344 0001	3354 2323		
23	0000 0211	0000 0222	0000 0100	0000 0222	2001 3542	3111 4453	1000 2231	3111 4553		
24	0000 3100	0000 1101	0000 0000	0000 3101	5522 3323	4423 3333	4522 1122	5523 3333		
25	0120 2100	0110 1011	0010 0000	0120 2111	3312 1000	3201 0112	3300 0000	3312 1112		
26	0001 2200	0000 1102	0000 0101	0001 2202	0210 1000	0111 1011	0000 0000	0211 1011		
27	2333 3211	3222 3222	2202 0101	3333 3222	0000 0000	1100 0002	0000 0000	1100 0002		
28	0223 3100	1222 1211	0322 0000	1223 3211	0100 1000	0100 0002	0000 0000	0100 1002		
29	0212 1200	0210 1211	0010 0000	0212 1211	1010 1200	1010 1223	0000 0001	1010 1223		
30	4301 1114	3311 1122	0200 0001	4311 1124	0020 0000	2011 0110	0000 0000	2021 0110		
31	1000 0000	2000 0000	0000 0000	2000 0000						

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THREE-HOUR RANGE INDICES, AGINCOURT, 1967

Table 46

May					June												
	D	H	Z	K	D	H	Z	K									
1	2322	2233	2201	1254	0220	0123	2322	2254	0101	0000	2001	2222	0001	1021	2101	2222	
2	2345	3323	2223	3334	2113	1233	2345	3334	1013	2301	2022	3333	0002	0221	2023	3333	
3	5766	4443	5777	5554	5666	5643	5777	5654	3222	2210	3210	2122	2310	0001	3322	2222	
4	3312	1201	2222	2122	4211	0112	4322	2222	0002	2233	3111	4233	1000	2233	3112	4233	
5	3245	0211	4122	0222	2133	0122	4245	0222	2112	2245	3223	3167	3001	1047	3223	3267	
6	3400	1111	1301	1222	1220	1020	3421	1222	9532	2133	8621	2245	8641	1134	9642	2245	
7	2443	2211	3333	1112	2443	1110	3443	2222	7553	1000	5452	1111	7553	0000	7553	1111	
8	0001	2200	1110	1120	0000	1111	1111	2221	0014	3333	1113	4244	0014	2132	1114	4344	
9	1121	1210	1111	1211	0210	1110	1221	1211	5543	3114	3433	2134	5322	1013	5543	3134	
10	0211	2210	2211	2223	0111	0121	2211	2223	3233	1000	2131	1112	2211	0001	3233	1112	
11	2411	2211	3311	1123	1320	1222	3421	2223	1200	2210	1200	1132	0100	0121	1200	2232	
12	3412	2112	3311	1133	1311	1022	3412	2133	1120	1101	1111	2123	0000	0011	1121	2123	
13	4530	2101	3311	2223	0430	2132	4531	2233	3210	1111	3221	1232	1100	0112	3221	1232	
14	3210	2320	2101	2123	1100	1032	3211	2333	4342	2213	3223	3234	2131	2123	4343	3234	
15	3001	2210	2001	1232	2100	1111	3101	2232	4331	1111	4331	1122	3310	0011	4331	1122	
16	1223	0001	1312	1122	1221	0022	1323	1122	1023	2211	2111	2122	0011	0110	2123	2222	
17	3321	3122	3421	2233	2421	0012	3421	3233	1102	2321	2122	2333	0000	0111	2122	2333	
18	1332	2000	3212	2222	2332	0111	3332	2222	2110	0000	3000	0111	2000	0010	3110	0111	
19	2331	2700	3321	0321	2332	0010	3332	2321	0000	2210	2000	3322	0000	0110	2000	3322	
20	3011	0000	2111	0123	1011	0000	3111	0123	1031	1000	1110	1211	0010	0000	1131	1211	
21	1101	0030	1100	0243	0000	0020	1101	0243	0111	1100	0100	1123	0000	0000	0211	1123	
22	1101	0000	3110	0000	1000	0100	3111	0100	0132	2100	1212	2121	0010	0000	1232	2121	
23	0011	1242	0201	1254	0000	0122	0211	1254	1110	0000	1100	0112	0000	0000	1110	0112	
24	1022	3231	2121	2343	0000	0122	2122	3343	0121	1002	1110	1013	0010	0001	1121	1013	
25	1115	7659	2213	7689	0002	4569	2215	7689	2143	1344	3222	2445	0020	0245	3243	2445	
26	9996	5333	9996	6455	8996	5333	9996	6455	5543	2532	6422	2434	5431	0123	6543	2534	
27	4333	3023	4333	2045	3231	1033	4333	3045	4553	1212	5543	1233	4542	1112	5553	1233	
28	2245	5545	2346	4565	2256	3356	2356	5566	2013	3110	3114	2232	1003	3111	3114	3232	
29	6665	4212	6765	4233	7775	3212	7775	4233	0241	1312	1230	2243	0341	1121	1341	2343	
30	1332	5444	2221	5765	0221	2344	2332	5765	3343	2211	4132	2333	2231	1122	4343	2333	
31	8651	1320	8751	1442	8761	1320	8761	1442									
July									August								
	D	H	Z	K	D	H	Z	K									
1	2445	2211	2344	2223	0344	1111	2445	2223	0001	2110	0001	1321	0000	0110	0001	2321	
2	3410	0000	2210	0013	3210	0000	3410	0013	0002	1000	1100	0012	0000	0011	1102	1012	
3	1000	0200	2100	0112	0000	0010	2100	0212	0000	0101	0000	1223	0000	0112	0000	1223	
4	0313	0200	2200	0113	0321	0021	2323	0223	0021	3322	2031	3232	0010	1121	2031	3332	
5	2352	3112	3223	2233	2244	1121	3354	3233	2123	3210	3221	2222	1021	1120	3223	3222	
6	1100	2213	1101	3234	0000	0023	1101	3234	0214	2112	1112	1133	0101	0122	1214	2133	
7	4421	2100	4410	2231	5520	0011	5521	2231	3033	3012	2022	1233	1022	0122	3033	3233	
8	2201	1000	1101	0110	0000	0101	2201	1111	3344	2212	2242	2233	2233	0021	3344	2233	
9	0010	0010	0010	1222	0000	0010	0010	1222	0013	3310	2111	2232	0000	1021	2113	3332	
10	0000	1000	0011	1122	0000	0001	0011	1122	3413	3312	3312	3234	1312	1133	3413	3334	
11	3243	4422	4342	3354	3232	2232	4343	4454	4343	4534	3442	4444	1233	2333	4443	4544	
12	3234	2212	2221	1332	1211	0101	3234	2332	3132	2212	4121	2223	3001	1100	4132	2223	
13	3120	0112	3110	1133	1000	0022	3120	1133	1201	2203	1101	2232	0000	0121	1201	2232	
14	1334	2101	2322	2022	0322	1020	2334	2122	2354	2002	2332	1123	2342	1011	2354	2123	
15	0000	2322	1011	2342	0000	1131	1011	2342	2313	3101	0222	1222	0101	0011	2323	3222	
16	1410	0000	1301	0121	0200	0110	1411	0121	1011	2312	2111	2124	0001	0112	2111	2324	
17	1001	1010	1001	1133	0000	0021	1001	1133	3523	3310	3423	3323	3312	2201	3523	3323	
18	1233	2100	3212	1223	0012	1112	3233	2223	2342	3211	3332	2333	2232	1133	3342	3333	
19	3000	1000	2100	0122	1000	0011	3100	1122	3221	2200	2121	2233	0332	0021	3332	2233	
20	1100	2000	2111	2122	0001	1021	2111	2122	1332	2200	2332	2223	0222	0121	2332	2223	
21	1233	1110	1013	0222	1020	0101	1233	1222	2120	1110	2211	1122	0101	0111	2221	1122	
22	1200	1000	1210	1122	0100	0112	1210	1122	1121	2100	1102	1113	0010	0001	1122	2113	
23	0122	2334	1111	2455	0001	1244	1122	2455	2213	1000	2201	0131	0000	0011	2213	1131	
24	3222	1121	2211	1223	2220	0021	3222	1223	3222	2100	3122	1223	1012	1101	3222	2223	
25	2132	1122	3121	1343	1011	1111	3132	1343	0333	2312	2332	2334	0131	1121	2333	2334	
26	3302	2100	3201	1222	2200	0001	3302	2222	3121	1110	2012	1234	3011	0121	3122	1234	
27	0022	0311	0022	1232	0012	1021	0022	1332	3312	2101	2211	2123	1102	0011	3312	2123	
28	2122	2331	2122	2332	1011	1221	2122	2332	0111	1100	2111	1122	0000	0101	2111	1122	
29	3421	1221	3321	0224	2420	0122	3421	1224	1021	1111	2211	1134	0011	1012	2221	1134	
30	4441	1111	2340	1110	4551	1110	4551	1111	0431	2121	1321	2233	0221	1021	1431	2233	
31	0000	1110	0000	1211	0000	0110	0000	1211	4342	2101	3222	2223	2143	0021	4342	2223	

## PUBLICATIONS OF THE DOMINION OBSERVATORY

## THREE-HOUR RANGE INDICES, AGINCOURT, 1967

Table 46

September					October				
	D	H	Z	K	D	H	Z	K	
1	3443 5223	3351 4354	3352 1233	3453 5354	4233 2200	3133 2210	3122 1100	4233 2210	
2	4444 2210	2333 2331	3332 3310	4444 3331	2213 1100	0001 0131	0000 1120	2213 1131	
3	1122 1101	1111 1223	0001 0001	1122 1223	0232 2212	1221 1123	0120 0121	1232 2223	
4	2232 1100	1222 2122	0210 0111	2232 2122	1001 1000	1000 0123	0000 0010	1001 1123	
5	1120 1000	2010 1012	1000 0021	2120 1022	1221 2210	2220 1222	0122 1110	2222 2222	
6	2201 0100	2200 0122	0100 0021	2201 0122	2411 2100	2202 1112	0300 0100	2412 2112	
7	0000 2410	1221 2322	0000 1200	1221 2422	2024 3201	2122 1312	1002 0011	2124 3312	
8	1002 3222	0112 3233	0000 1132	1112 3233	0102 4322	0011 3232	0001 2120	0112 4332	
9	4423 1011	2212 2133	1212 0021	4423 2133	3113 2235	2112 2244	1002 0043	3113 2245	
10	2300 1000	2100 0010	2100 0000	2300 1010	5534 3333	4333 3334	5423 3222	5534 3334	
11	0001 2000	0000 0111	0000 0010	0001 2111	1121 3321	1111 4432	0110 0221	1121 4432	
12	0000 3100	0000 1132	0000 0010	0000 3132	5333 1412	4233 0323	3222 0212	5333 1423	
13	0434 4533	1443 3543	0333 2332	1444 4543	3301 2111	3201 2222	2200 0001	3301 2222	
14	2143 4224	1122 3233	1022 2123	2143 4234	1132 2123	0122 2234	0022 1111	1132 2234	
15	4551 2120	2231 1132	2341 0111	4551 2132	4001 1200	3211 1222	2100 0010	4211 1222	
16	3301 2210	3201 1322	2100 0211	3301 2322	1001 0000	2110 0011	1000 0000	2111 0011	
17	2221 2111	2110 1122	0000 0111	2221 2122	0233 3112	1222 2232	0122 1021	1233 3232	
18	0001 4333	2112 3233	0000 1131	2112 4333	1122 2111	1111 1122	0022 1010	1122 2122	
19	5232 4332	4333 3354	4232 1122	5333 4354	2202 2110	2201 1021	0001 0000	2202 2121	
20	1354 4536	2245 5564	1343 2334	2355 5566	2001 2000	1000 0021	0000 0000	2001 2021	
21	7865 4436	8766 4554	8765 3455	8866 4556	0000 0000	0000 0100	0000 0000	0000 0100	
22	3301 1210	3300 3321	2200 1110	3301 3321	0001 3221	0000 2133	0000 0021	0001 3233	
23	0011 2000	1111 2112	0001 0000	1111 2112	3141 2000	3111 2121	2121 1000	3141 2121	
24	0112 2201	1201 2332	0001 0011	1212 2332	0112 3000	0011 1111	0000 1000	0112 3111	
25	1011 1210	2000 0132	0000 0021	2011 1232	0011 1100	0001 0010	0000 0000	0011 1110	
26	0021 1222	0010 0222	0000 0001	0021 1222	0200 2000	0100 0011	0000 0000	0200 2011	
27	2102 3000	1110 1222	0000 0010	2112 3222	0022 4321	0111 3221	0023 1220	0123 4321	
28	1555 4333	2555 3334	1445 4224	2555 4334	1343 3324	2333 3334	0224 3223	2344 3334	
29	5565 3333	4465 3343	6666 2343	6666 3343	2212 4421	2222 4432	2203 3221	2223 4432	
30	5454 4310	4444 3422	4453 3301	5454 4422	2431 1101	2531 1221	1531 0010	2531 1221	
31					0002 4210	1002 3131	0000 2120	1002 4231	
November					December				
	D	H	Z	K	D	H	Z	K	
1	0000 1001	0010 1221	0000 0010	0010 1221	2335 2344	2324 3345	1244 3134	2345 3345	
2	2122 2233	2121 2232	1022 0032	2122 2233	6332 3101	4221 2112	5310 1100	6332 3112	
3	3113 5433	2111 4432	2022 2322	3123 5433	0031 2212	0022 2222	0011 1111	0032 2222	
4	4222 3101	3211 0112	1200 0000	4222 3112	1212 2111	2211 1112	1110 0100	2212 2112	
5	2232 3220	2231 2231	0022 1020	2232 3231	0101 1223	1201 1233	0100 0121	1201 1233	
6	1111 1000	0011 0111	0000 0000	1111 1111	0423 4223	2323 3333	0213 2223	2423 4333	
7	0211 2000	0210 0011	0000 0010	0211 2011	4333 4321	3233 3332	3232 2121	4333 4332	
8	5322 2344	4211 2333	3200 1134	5322 2344	4443 3343	2222 3342	2331 1132	4443 3343	
9	1312 2010	0311 3231	0201 1120	1312 3231	2110 3221	2010 2232	1000 1111	2110 3232	
10	0200 0010	1000 2122	0000 0010	1200 2122	3122 1101	3112 1111	1010 0000	3122 1111	
11	1210 0044	1111 1133	0000 0023	1211 1144	3001 1100	3000 1201	1000 0000	3001 1201	
12	2553 3443	3443 2233	0442 1231	3553 3443	1211 1111	1110 1212	0000 1110	1211 1212	
13	2422 3333	3322 2233	1122 1121	3422 3333	0111 1011	1111 1111	0000 0010	1111 1111	
14	4332 2222	2322 1211	2230 0100	4332 2222	0101 1110	0101 0211	0000 0100	0101 1211	
15	0121 2223	0111 3333	0010 0211	0121 3333	2222 1213	3211 1123	1101 0112	3222 1223	
16	1322 2210	2311 2212	0200 0011	2322 2212	2100 2211	2212 1211	1000 1110	2212 2211	
17	0100 1100	0000 0110	0000 0000	0100 1110	2234 3111	2223 2222	0233 2210	2234 3222	
18	0010 1100	0010 1100	0000 2100	0010 1100	1142 3332	2242 3332	0142 2221	2242 3332	
19	0211 1200	0100 0220	0100 1110	0211 1220	2513 4344	1312 3244	1322 1334	2523 4344	
20	1000 1110	1100 0100	0000 1010	1100 1110	4424 4430	3333 4332	2433 3221	4434 4432	
21	0000 1112	0000 1123	0000 1112	0000 1123	3324 3322	3213 3322	1221 2211	3324 3322	
22	0332 3211	1222 2212	1132 1110	1332 3212	1222 3224	1212 2233	0112 1112	1222 3234	
23	0112 3211	1211 2222	0101 1111	1212 3222	6422 3221	4321 1222	4211 1120	6422 3222	
24	4343 2223	4332 1222	2432 0110	4443 2223	1011 1210	1001 1211	0000 0210	1011 1211	
25	3112 3212	2101 1122	2000 0110	3112 3222	1021 2100	1011 1111	0000 0010	1021 2111	
26	4001 2211	3100 2112	1000 0000	4101 2212	2111 2321	1100 2221	0111 1110	2111 2321	
27	0323 2222	1211 2121	0210 1120	1323 2222	2032 2300	2121 2211	0020 1120	2132 2321	
28	3241 2213	2221 1212	1222 1111	3242 2213	1100 1122	1100 1022	0000 1021	1100 1122	
29	2124 3210	2223 2210	2024 1110	2224 3210	3211 2200	2211 1212	1110 1010	3211 2212	
30	1122 3232	1121 1232	0020 0132	1122 3232	0333 3311	1111 1222	0010 0120	1333 3322	
31					3456 6445	2445 3344	2443 5454	3456 6455	

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3432